

UNIDAD N° 3

VARIABLES
ALEATORIAS Y SUS
DISTRIBUCIONES

TABLAS ESTADÍSTICAS

TABLA I

| Función de Probabilidad Binomial (Puntual) | | | | | | | $P(x=x_i \text{ n } P)$ | | | | |
|--|---|--------|--------|--------|--------|--------|-------------------------|--------|--------|--------|--------|
| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 |
| 1 | 0 | 0.9500 | 0.9000 | 0.8500 | 0.8000 | 0.7500 | 0.7000 | 0.6500 | 0.6000 | 0.5500 | 0.5000 |
| | 1 | 0.0500 | 0.1000 | 0.1500 | 0.2000 | 0.2500 | 0.3000 | 0.3500 | 0.4000 | 0.4500 | 0.5000 |
| 2 | 0 | 0.9025 | 0.8100 | 0.7225 | 0.6400 | 0.5625 | 0.4900 | 0.4225 | 0.3600 | 0.3025 | 0.2500 |
| | 1 | 0.0950 | 0.1800 | 0.2550 | 0.3200 | 0.3750 | 0.4200 | 0.4550 | 0.4800 | 0.4950 | 0.5000 |
| 3 | 0 | 0.8574 | 0.7290 | 0.6141 | 0.5120 | 0.4219 | 0.3430 | 0.2746 | 0.2160 | 0.1664 | 0.1250 |
| | 1 | 0.1354 | 0.2430 | 0.3251 | 0.3840 | 0.4219 | 0.4410 | 0.4436 | 0.4320 | 0.4084 | 0.3750 |
| 4 | 0 | 0.8145 | 0.6561 | 0.5220 | 0.4096 | 0.3164 | 0.2401 | 0.1785 | 0.1296 | 0.0915 | 0.0625 |
| | 1 | 0.1715 | 0.2916 | 0.3685 | 0.4096 | 0.4219 | 0.4116 | 0.3845 | 0.3456 | 0.2995 | 0.2500 |
| 5 | 0 | 0.7738 | 0.5905 | 0.4437 | 0.3277 | 0.2373 | 0.1681 | 0.1160 | 0.0778 | 0.0503 | 0.0313 |
| | 1 | 0.2036 | 0.3281 | 0.3915 | 0.4096 | 0.3955 | 0.3602 | 0.3124 | 0.2592 | 0.2059 | 0.1563 |
| 6 | 0 | 0.7351 | 0.5314 | 0.3771 | 0.2621 | 0.1780 | 0.1176 | 0.0754 | 0.0467 | 0.0277 | 0.0156 |
| | 1 | 0.2321 | 0.3543 | 0.3993 | 0.3932 | 0.3560 | 0.3025 | 0.2437 | 0.1866 | 0.1359 | 0.0938 |
| 7 | 0 | 0.6983 | 0.4783 | 0.3206 | 0.2097 | 0.1335 | 0.0824 | 0.0490 | 0.0280 | 0.0152 | 0.0078 |
| | 1 | 0.2573 | 0.3720 | 0.3960 | 0.3670 | 0.3115 | 0.2471 | 0.1848 | 0.1306 | 0.0872 | 0.0547 |
| 8 | 0 | 0.6634 | 0.4305 | 0.2725 | 0.1678 | 0.1001 | 0.0576 | 0.0319 | 0.0168 | 0.0084 | 0.0039 |
| | 1 | 0.2793 | 0.3826 | 0.3847 | 0.3355 | 0.2670 | 0.1977 | 0.1373 | 0.0896 | 0.0548 | 0.0313 |
| 9 | 0 | 0.6302 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 10 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 11 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 12 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 13 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 14 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 15 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 16 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 17 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 18 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 19 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 20 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 21 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 22 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 23 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 24 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 25 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 26 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 27 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 28 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 29 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 30 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 31 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 32 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 33 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 34 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 35 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 36 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 37 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 38 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 39 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0101 | 0.0046 | 0.0020 |
| | 1 | 0.2985 | 0.3874 | 0.3679 | 0.3020 | 0.2253 | 0.1556 | 0.1004 | 0.0605 | 0.0339 | 0.0176 |
| 40 | 0 | 0.6000 | 0.3874 | 0.2316 | 0.1342 | 0.0751 | 0.0404 | 0.0207 | 0.0 | | |

| | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 7 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0012 | 0.0039 | 0.0098 | 0.0212 | 0.0407 | 0.0703 |
| 8 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0004 | 0.0013 | 0.0035 | 0.0083 | 0.0176 |
| 9 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0008 | 0.0020 |

TABLA I

Función de Probabilidad Binomial (Puntual)

| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 | P(x=x _i n P) |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------------------------|
| 10 | 0 | 0.5987 | 0.3487 | 0.1969 | 0.1074 | 0.0563 | 0.0282 | 0.0135 | 0.0060 | 0.0025 | 0.0010 | |
| | 1 | 0.3151 | 0.3874 | 0.3474 | 0.2684 | 0.1877 | 0.1211 | 0.0725 | 0.0403 | 0.0207 | 0.0098 | |
| | 2 | 0.0746 | 0.1937 | 0.2759 | 0.3020 | 0.2816 | 0.2335 | 0.1757 | 0.1209 | 0.0763 | 0.0439 | |
| | 3 | 0.0105 | 0.0574 | 0.1298 | 0.2013 | 0.2503 | 0.2668 | 0.2522 | 0.2150 | 0.1665 | 0.1172 | |
| | 4 | 0.0010 | 0.0112 | 0.0401 | 0.0881 | 0.1460 | 0.2001 | 0.2377 | 0.2508 | 0.2384 | 0.2051 | |
| | 5 | 0.0001 | 0.0015 | 0.0085 | 0.0264 | 0.0584 | 0.1029 | 0.1536 | 0.2007 | 0.2340 | 0.2461 | |
| | 6 | 0.0000 | 0.0001 | 0.0012 | 0.0055 | 0.0162 | 0.0368 | 0.0689 | 0.1115 | 0.1596 | 0.2051 | |
| | 7 | 0.0000 | 0.0000 | 0.0001 | 0.0008 | 0.0031 | 0.0090 | 0.0212 | 0.0425 | 0.0746 | 0.1172 | |
| | 8 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0004 | 0.0014 | 0.0043 | 0.0106 | 0.0229 | 0.0439 | |
| | 9 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0016 | 0.0042 | 0.0098 | |
| 11 | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0010 | |
| | 0 | 0.5688 | 0.3138 | 0.1673 | 0.0859 | 0.0422 | 0.0198 | 0.0088 | 0.0036 | 0.0014 | 0.0005 | |
| | 1 | 0.3293 | 0.3835 | 0.3248 | 0.2362 | 0.1549 | 0.0932 | 0.0518 | 0.0266 | 0.0125 | 0.0054 | |
| | 2 | 0.0867 | 0.2131 | 0.2866 | 0.2953 | 0.2581 | 0.1998 | 0.1395 | 0.0887 | 0.0513 | 0.0269 | |
| | 3 | 0.0137 | 0.0710 | 0.1517 | 0.2215 | 0.2581 | 0.2568 | 0.2254 | 0.1774 | 0.1259 | 0.0806 | |
| | 4 | 0.0014 | 0.0158 | 0.0536 | 0.1107 | 0.1721 | 0.2201 | 0.2428 | 0.2365 | 0.2060 | 0.1611 | |
| | 5 | 0.0001 | 0.0025 | 0.0132 | 0.0388 | 0.0803 | 0.1321 | 0.1830 | 0.2207 | 0.2360 | 0.2256 | |
| | 6 | 0.0000 | 0.0003 | 0.0023 | 0.0097 | 0.0268 | 0.0566 | 0.0985 | 0.1471 | 0.1931 | 0.2256 | |
| | 7 | 0.0000 | 0.0000 | 0.0003 | 0.0017 | 0.0064 | 0.0173 | 0.0379 | 0.0701 | 0.1128 | 0.1611 | |
| | 8 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0011 | 0.0037 | 0.0102 | 0.0234 | 0.0462 | 0.0806 | |
| 12 | 9 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0018 | 0.0052 | 0.0126 | 0.0269 | |
| | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0007 | 0.0021 | 0.0054 | |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0005 | |
| | 0 | 0.5404 | 0.2824 | 0.1422 | 0.0687 | 0.0317 | 0.0138 | 0.0057 | 0.0022 | 0.0008 | 0.0002 | |
| | 1 | 0.3413 | 0.3766 | 0.3012 | 0.2062 | 0.1267 | 0.0712 | 0.0368 | 0.0174 | 0.0075 | 0.0029 | |
| | 2 | 0.0988 | 0.2301 | 0.2924 | 0.2835 | 0.2323 | 0.1678 | 0.1088 | 0.0639 | 0.0339 | 0.0161 | |
| | 3 | 0.0173 | 0.0852 | 0.1720 | 0.2362 | 0.2581 | 0.2397 | 0.1954 | 0.1419 | 0.0923 | 0.0537 | |
| | 4 | 0.0021 | 0.0213 | 0.0683 | 0.1329 | 0.1936 | 0.2311 | 0.2367 | 0.2128 | 0.1700 | 0.1208 | |
| | 5 | 0.0002 | 0.0038 | 0.0193 | 0.0532 | 0.1032 | 0.1585 | 0.2039 | 0.2270 | 0.2225 | 0.1934 | |
| | 6 | 0.0000 | 0.0005 | 0.0040 | 0.0155 | 0.0401 | 0.0792 | 0.1281 | 0.1766 | 0.2124 | 0.2256 | |
| 13 | 7 | 0.0000 | 0.0000 | 0.0006 | 0.0033 | 0.0115 | 0.0291 | 0.0591 | 0.1009 | 0.1489 | 0.1934 | |
| | 8 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0024 | 0.0078 | 0.0199 | 0.0420 | 0.0762 | 0.1208 | |
| | 9 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0004 | 0.0015 | 0.0048 | 0.0125 | 0.0277 | 0.0537 | |
| | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0008 | 0.0025 | 0.0068 | 0.0161 | |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0010 | 0.0029 | |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | |
| | 0 | 0.5133 | 0.2542 | 0.1209 | 0.0550 | 0.0238 | 0.0097 | 0.0037 | 0.0013 | 0.0004 | 0.0001 | |
| | 1 | 0.3512 | 0.3672 | 0.2774 | 0.1787 | 0.1029 | 0.0540 | 0.0259 | 0.0113 | 0.0045 | 0.0016 | |
| | 2 | 0.1109 | 0.2448 | 0.2937 | 0.2680 | 0.2059 | 0.1388 | 0.0836 | 0.0453 | 0.0220 | 0.0095 | |
| | 3 | 0.0214 | 0.0997 | 0.1900 | 0.2457 | 0.2517 | 0.2181 | 0.1651 | 0.1107 | 0.0660 | 0.0349 | |
| | 4 | 0.0028 | 0.0277 | 0.0838 | 0.1535 | 0.2097 | 0.2337 | 0.2222 | 0.1845 | 0.1350 | 0.0873 | |
| | 5 | 0.0003 | 0.0055 | 0.0266 | 0.0691 | 0.1258 | 0.1803 | 0.2154 | 0.2214 | 0.1989 | 0.1571 | |
| | 6 | 0.0000 | 0.0008 | 0.0063 | 0.0230 | 0.0559 | 0.1030 | 0.1546 | 0.1968 | 0.2169 | 0.2095 | |
| | 7 | 0.0000 | 0.0001 | 0.0011 | 0.0058 | 0.0186 | 0.0442 | 0.0833 | 0.1312 | 0.1775 | 0.2095 | |
| | 8 | 0.0000 | 0.0000 | 0.0001 | 0.0011 | 0.0047 | 0.0142 | 0.0336 | 0.0656 | 0.1089 | 0.1571 | |
| | 9 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0009 | 0.0034 | 0.0101 | 0.0243 | 0.0495 | 0.0873 | |

| | | | | | | | | | | | |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0006 | 0.0022 | 0.0065 | 0.0162 | 0.0349 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0012 | 0.0036 | 0.0095 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0016 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 14 | 0 | 0.4877 | 0.2288 | 0.1028 | 0.0440 | 0.0178 | 0.0068 | 0.0024 | 0.0008 | 0.0002 | 0.0001 |
| | 1 | 0.3593 | 0.3559 | 0.2539 | 0.1539 | 0.0832 | 0.0407 | 0.0181 | 0.0073 | 0.0027 | 0.0009 |
| | 2 | 0.1229 | 0.2570 | 0.2912 | 0.2501 | 0.1802 | 0.1134 | 0.0634 | 0.0317 | 0.0141 | 0.0056 |
| | 3 | 0.0259 | 0.1142 | 0.2056 | 0.2501 | 0.2402 | 0.1943 | 0.1366 | 0.0845 | 0.0462 | 0.0222 |

TABLA I

| Función de Probabilidad Binomial (Puntual) | | | | | | | $P(x=x_i \cap P)$ | | | | |
|--|----|--------|--------|--------|--------|--------|-------------------|--------|--------|--------|--------|
| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 |
| | 4 | 0.0037 | 0.0349 | 0.0998 | 0.1720 | 0.2202 | 0.2290 | 0.2022 | 0.1549 | 0.1040 | 0.0611 |
| | 5 | 0.0004 | 0.0078 | 0.0352 | 0.0860 | 0.1468 | 0.1963 | 0.2178 | 0.2066 | 0.1701 | 0.1222 |
| | 6 | 0.0000 | 0.0013 | 0.0093 | 0.0322 | 0.0734 | 0.1262 | 0.1759 | 0.2066 | 0.2088 | 0.1833 |
| | 7 | 0.0000 | 0.0002 | 0.0019 | 0.0092 | 0.0280 | 0.0618 | 0.1082 | 0.1574 | 0.1952 | 0.2095 |
| | 8 | 0.0000 | 0.0000 | 0.0003 | 0.0020 | 0.0082 | 0.0232 | 0.0510 | 0.0918 | 0.1398 | 0.1833 |
| | 9 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0018 | 0.0066 | 0.0183 | 0.0408 | 0.0762 | 0.1222 |
| | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0014 | 0.0049 | 0.0136 | 0.0312 | 0.0611 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0010 | 0.0033 | 0.0093 | 0.0222 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0019 | 0.0056 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0009 |
| | 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| 15 | 0 | 0.4633 | 0.2059 | 0.0874 | 0.0352 | 0.0134 | 0.0047 | 0.0016 | 0.0005 | 0.0001 | 0.0000 |
| | 1 | 0.3658 | 0.3432 | 0.2312 | 0.1319 | 0.0668 | 0.0305 | 0.0126 | 0.0047 | 0.0016 | 0.0005 |
| | 2 | 0.1348 | 0.2669 | 0.2856 | 0.2309 | 0.1559 | 0.0916 | 0.0476 | 0.0219 | 0.0090 | 0.0032 |
| | 3 | 0.0307 | 0.1285 | 0.2184 | 0.2501 | 0.2252 | 0.1700 | 0.1110 | 0.0634 | 0.0318 | 0.0139 |
| | 4 | 0.0049 | 0.0428 | 0.1156 | 0.1876 | 0.2252 | 0.2186 | 0.1792 | 0.1268 | 0.0780 | 0.0417 |
| | 5 | 0.0006 | 0.0105 | 0.0449 | 0.1032 | 0.1651 | 0.2061 | 0.2123 | 0.1859 | 0.1404 | 0.0916 |
| | 6 | 0.0000 | 0.0019 | 0.0132 | 0.0430 | 0.0917 | 0.1472 | 0.1906 | 0.2066 | 0.1914 | 0.1527 |
| | 7 | 0.0000 | 0.0003 | 0.0030 | 0.0138 | 0.0393 | 0.0811 | 0.1319 | 0.1771 | 0.2013 | 0.1964 |
| | 8 | 0.0000 | 0.0000 | 0.0005 | 0.0035 | 0.0131 | 0.0348 | 0.0710 | 0.1181 | 0.1647 | 0.1964 |
| | 9 | 0.0000 | 0.0000 | 0.0001 | 0.0007 | 0.0034 | 0.0116 | 0.0298 | 0.0612 | 0.1048 | 0.1527 |
| | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0007 | 0.0030 | 0.0096 | 0.0245 | 0.0515 | 0.0916 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0006 | 0.0024 | 0.0074 | 0.0191 | 0.0417 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0004 | 0.0016 | 0.0052 | 0.0139 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0010 | 0.0032 |
| | 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 |
| | 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 16 | 0 | 0.4401 | 0.1853 | 0.0743 | 0.0281 | 0.0100 | 0.0033 | 0.0010 | 0.0003 | 0.0001 | 0.0000 |
| | 1 | 0.3706 | 0.3294 | 0.2097 | 0.1126 | 0.0535 | 0.0228 | 0.0087 | 0.0030 | 0.0009 | 0.0002 |
| | 2 | 0.1463 | 0.2745 | 0.2775 | 0.2111 | 0.1336 | 0.0732 | 0.0353 | 0.0150 | 0.0056 | 0.0018 |
| | 3 | 0.0359 | 0.1423 | 0.2285 | 0.2463 | 0.2079 | 0.1465 | 0.0888 | 0.0468 | 0.0215 | 0.0085 |
| | 4 | 0.0061 | 0.0514 | 0.1311 | 0.2001 | 0.2252 | 0.2040 | 0.1553 | 0.1014 | 0.0572 | 0.0278 |
| | 5 | 0.0008 | 0.0137 | 0.0555 | 0.1201 | 0.1802 | 0.2099 | 0.2008 | 0.1623 | 0.1123 | 0.0667 |
| | 6 | 0.0001 | 0.0028 | 0.0180 | 0.0550 | 0.1101 | 0.1649 | 0.1982 | 0.1983 | 0.1684 | 0.1222 |
| | 7 | 0.0000 | 0.0004 | 0.0045 | 0.0197 | 0.0524 | 0.1010 | 0.1524 | 0.1889 | 0.1969 | 0.1746 |
| | 8 | 0.0000 | 0.0001 | 0.0009 | 0.0055 | 0.0197 | 0.0487 | 0.0923 | 0.1417 | 0.1812 | 0.1964 |
| | 9 | 0.0000 | 0.0000 | 0.0001 | 0.0012 | 0.0058 | 0.0185 | 0.0442 | 0.0840 | 0.1318 | 0.1746 |
| | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0014 | 0.0056 | 0.0167 | 0.0392 | 0.0755 | 0.1222 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0013 | 0.0049 | 0.0142 | 0.0337 | 0.0667 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0011 | 0.0040 | 0.0115 | 0.0278 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0008 | 0.0029 | 0.0085 |

| | | | | | | | | | | |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0018 |
| | 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 |
| | 16 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 17 | 0 | 0.4181 | 0.1668 | 0.0631 | 0.0225 | 0.0075 | 0.0023 | 0.0007 | 0.0002 | 0.0000 |
| | 1 | 0.3741 | 0.3150 | 0.1893 | 0.0957 | 0.0426 | 0.0169 | 0.0060 | 0.0019 | 0.0005 |
| | 2 | 0.1575 | 0.2800 | 0.2673 | 0.1914 | 0.1136 | 0.0581 | 0.0260 | 0.0102 | 0.0035 |
| | 3 | 0.0415 | 0.1556 | 0.2359 | 0.2393 | 0.1893 | 0.1245 | 0.0701 | 0.0341 | 0.0144 |
| | 4 | 0.0076 | 0.0605 | 0.1457 | 0.2093 | 0.2209 | 0.1868 | 0.1320 | 0.0796 | 0.0411 |
| | 5 | 0.0010 | 0.0175 | 0.0668 | 0.1361 | 0.1914 | 0.2081 | 0.1849 | 0.1379 | 0.0875 |
| | 6 | 0.0001 | 0.0039 | 0.0236 | 0.0680 | 0.1276 | 0.1784 | 0.1991 | 0.1839 | 0.1432 |
| | 7 | 0.0000 | 0.0007 | 0.0065 | 0.0267 | 0.0668 | 0.1201 | 0.1685 | 0.1927 | 0.1841 |
| | 8 | 0.0000 | 0.0001 | 0.0014 | 0.0084 | 0.0279 | 0.0644 | 0.1134 | 0.1606 | 0.1883 |
| | 9 | 0.0000 | 0.0000 | 0.0003 | 0.0021 | 0.0093 | 0.0276 | 0.0611 | 0.1070 | 0.1540 |
| | | | | | | | | | | 0.1855 |

TABLA I

Función de Probabilidad Binomial (Puntual)

P(x=x_i n P)

| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 10 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0025 | 0.0095 | 0.0263 | 0.0571 | 0.1008 | 0.1484 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0026 | 0.0090 | 0.0242 | 0.0525 | 0.0944 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0006 | 0.0024 | 0.0081 | 0.0215 | 0.0472 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0021 | 0.0068 | 0.0182 |
| | 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0004 | 0.0016 | 0.0052 |
| | 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0010 |
| | 16 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| | 17 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 18 | 0 | 0.3972 | 0.1501 | 0.0536 | 0.0180 | 0.0056 | 0.0016 | 0.0004 | 0.0001 | 0.0000 | 0.0000 |
| | 1 | 0.3763 | 0.3002 | 0.1704 | 0.0811 | 0.0338 | 0.0126 | 0.0042 | 0.0012 | 0.0003 | 0.0001 |
| | 2 | 0.1683 | 0.2835 | 0.2556 | 0.1723 | 0.0958 | 0.0458 | 0.0190 | 0.0069 | 0.0022 | 0.0006 |
| | 3 | 0.0473 | 0.1680 | 0.2406 | 0.2297 | 0.1704 | 0.1046 | 0.0547 | 0.0246 | 0.0095 | 0.0031 |
| | 4 | 0.0093 | 0.0700 | 0.1592 | 0.2153 | 0.2130 | 0.1681 | 0.1104 | 0.0614 | 0.0291 | 0.0117 |
| | 5 | 0.0014 | 0.0218 | 0.0787 | 0.1507 | 0.1988 | 0.2017 | 0.1664 | 0.1146 | 0.0666 | 0.0327 |
| | 6 | 0.0002 | 0.0052 | 0.0301 | 0.0816 | 0.1436 | 0.1873 | 0.1941 | 0.1655 | 0.1181 | 0.0708 |
| | 7 | 0.0000 | 0.0010 | 0.0091 | 0.0350 | 0.0820 | 0.1376 | 0.1792 | 0.1892 | 0.1657 | 0.1214 |
| | 8 | 0.0000 | 0.0002 | 0.0022 | 0.0120 | 0.0376 | 0.0811 | 0.1327 | 0.1734 | 0.1864 | 0.1669 |
| | 9 | 0.0000 | 0.0000 | 0.0004 | 0.0033 | 0.0139 | 0.0386 | 0.0794 | 0.1284 | 0.1694 | 0.1855 |
| | 10 | 0.0000 | 0.0000 | 0.0001 | 0.0008 | 0.0042 | 0.0149 | 0.0385 | 0.0771 | 0.1248 | 0.1669 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0010 | 0.0046 | 0.0151 | 0.0374 | 0.0742 | 0.1214 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0012 | 0.0047 | 0.0145 | 0.0354 | 0.0708 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0012 | 0.0045 | 0.0134 | 0.0327 |
| | 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0011 | 0.0039 | 0.0117 |
| | 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0009 | 0.0031 |
| | 16 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0006 |
| | 17 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |
| | 18 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 19 | 0 | 0.3774 | 0.1351 | 0.0456 | 0.0144 | 0.0042 | 0.0011 | 0.0003 | 0.0001 | 0.0000 | 0.0000 |
| | 1 | 0.3774 | 0.2852 | 0.1529 | 0.0685 | 0.0268 | 0.0093 | 0.0029 | 0.0008 | 0.0002 | 0.0000 |
| | 2 | 0.1787 | 0.2852 | 0.2428 | 0.1540 | 0.0803 | 0.0358 | 0.0138 | 0.0046 | 0.0013 | 0.0003 |
| | 3 | 0.0533 | 0.1796 | 0.2428 | 0.2182 | 0.1517 | 0.0869 | 0.0422 | 0.0175 | 0.0062 | 0.0018 |
| | 4 | 0.0112 | 0.0798 | 0.1714 | 0.2182 | 0.2023 | 0.1491 | 0.0909 | 0.0467 | 0.0203 | 0.0074 |
| | 5 | 0.0018 | 0.0266 | 0.0907 | 0.1636 | 0.2023 | 0.1916 | 0.1468 | 0.0933 | 0.0497 | 0.0222 |
| | 6 | 0.0002 | 0.0069 | 0.0374 | 0.0955 | 0.1574 | 0.1916 | 0.1844 | 0.1451 | 0.0949 | 0.0518 |
| | 7 | 0.0000 | 0.0014 | 0.0122 | 0.0443 | 0.0974 | 0.1525 | 0.1844 | 0.1797 | 0.1443 | 0.0961 |
| | 8 | 0.0000 | 0.0002 | 0.0032 | 0.0166 | 0.0487 | 0.0981 | 0.1489 | 0.1797 | 0.1771 | 0.1442 |

| | | | | | | | | | | | |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 9 | 0.0000 | 0.0000 | 0.0007 | 0.0051 | 0.0198 | 0.0514 | 0.0980 | 0.1464 | 0.1771 | 0.1762 |
| | 10 | 0.0000 | 0.0000 | 0.0001 | 0.0013 | 0.0066 | 0.0220 | 0.0528 | 0.0976 | 0.1449 | 0.1762 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0018 | 0.0077 | 0.0233 | 0.0532 | 0.0970 | 0.1442 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0004 | 0.0022 | 0.0083 | 0.0237 | 0.0529 | 0.0961 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0024 | 0.0085 | 0.0233 | 0.0518 |
| | 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0006 | 0.0024 | 0.0082 | 0.0222 |
| | 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0022 | 0.0074 |
| | 16 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0005 | 0.0018 |
| | 17 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 |
| | 18 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| | 19 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 20 | 0 | 0.3585 | 0.1216 | 0.0388 | 0.0115 | 0.0032 | 0.0008 | 0.0002 | 0.0000 | 0.0000 | 0.0000 |
| | 1 | 0.3774 | 0.2702 | 0.1368 | 0.0576 | 0.0211 | 0.0068 | 0.0020 | 0.0005 | 0.0001 | 0.0000 |
| | 2 | 0.1887 | 0.2852 | 0.2293 | 0.1369 | 0.0669 | 0.0278 | 0.0100 | 0.0031 | 0.0008 | 0.0002 |
| | 3 | 0.0596 | 0.1901 | 0.2428 | 0.2054 | 0.1339 | 0.0716 | 0.0323 | 0.0123 | 0.0040 | 0.0011 |
| | 4 | 0.0133 | 0.0898 | 0.1821 | 0.2182 | 0.1897 | 0.1304 | 0.0738 | 0.0350 | 0.0139 | 0.0046 |
| | 5 | 0.0022 | 0.0319 | 0.1028 | 0.1746 | 0.2023 | 0.1789 | 0.1272 | 0.0746 | 0.0365 | 0.0148 |
| | 6 | 0.0003 | 0.0089 | 0.0454 | 0.1091 | 0.1686 | 0.1916 | 0.1712 | 0.1244 | 0.0746 | 0.0370 |

TABLA I

| Función de Probabilidad Binomial (Puntual) | | | | | | | $P(x=x_i n, P)$ | | | | |
|--|-----------|-------------|------------|-------------|------------|-------------|-------------------|-------------|------------|-------------|------------|
| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 |
| | 7 | 0.0000 | 0.0020 | 0.0160 | 0.0545 | 0.1124 | 0.1643 | 0.1844 | 0.1659 | 0.1221 | 0.0739 |
| | 8 | 0.0000 | 0.0004 | 0.0046 | 0.0222 | 0.0609 | 0.1144 | 0.1614 | 0.1797 | 0.1623 | 0.1201 |
| | 9 | 0.0000 | 0.0001 | 0.0011 | 0.0074 | 0.0271 | 0.0654 | 0.1158 | 0.1597 | 0.1771 | 0.1602 |
| | 10 | 0.0000 | 0.0000 | 0.0002 | 0.0020 | 0.0099 | 0.0308 | 0.0686 | 0.1171 | 0.1593 | 0.1762 |
| | 11 | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0030 | 0.0120 | 0.0336 | 0.0710 | 0.1185 | 0.1602 |
| | 12 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0008 | 0.0039 | 0.0136 | 0.0355 | 0.0727 | 0.1201 |
| | 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0010 | 0.0045 | 0.0146 | 0.0366 | 0.0739 |
| | 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0012 | 0.0049 | 0.0150 | 0.0370 |
| | 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0013 | 0.0049 | 0.0148 |
| | 16 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0013 | 0.0046 |

TABLA II

Función de Probabilidad Binomial (Acumulada)

$P(x \leq x_i | n, P)$

| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 | |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 2 | 1 | 0.9975 | 0.9900 | 0.9775 | 0.9600 | 0.9375 | 0.9100 | 0.8775 | 0.8400 | 0.7975 | 0.7500 | |
| | 2 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 3 | 1 | 0.9928 | 0.9720 | 0.9393 | 0.8960 | 0.8438 | 0.7840 | 0.7183 | 0.6480 | 0.5748 | 0.5000 | |
| | 2 | 0.9999 | 0.9990 | 0.9966 | 0.9920 | 0.9844 | 0.9730 | 0.9571 | 0.9360 | 0.9089 | 0.8750 | |
| 4 | 3 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 1 | 0.9860 | 0.9477 | 0.8905 | 0.8192 | 0.7383 | 0.6517 | 0.5630 | 0.4752 | 0.3910 | 0.3125 | |
| 5 | 2 | 0.9995 | 0.9963 | 0.9880 | 0.9728 | 0.9492 | 0.9163 | 0.8735 | 0.8208 | 0.7585 | 0.6875 | |
| | 3 | 1.0000 | 0.9999 | 0.9995 | 0.9984 | 0.9961 | 0.9919 | 0.9850 | 0.9744 | 0.9590 | 0.9375 | |
| 6 | 4 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 1 | 0.9774 | 0.9185 | 0.8352 | 0.7373 | 0.6328 | 0.5282 | 0.4284 | 0.3370 | 0.2562 | 0.1875 | |
| 7 | 2 | 0.9988 | 0.9914 | 0.9734 | 0.9421 | 0.8965 | 0.8369 | 0.7648 | 0.6826 | 0.5931 | 0.5000 | |
| | 3 | 1.0000 | 0.9995 | 0.9978 | 0.9933 | 0.9844 | 0.9692 | 0.9460 | 0.9130 | 0.8688 | 0.8125 | |
| 8 | 4 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9990 | 0.9976 | 0.9947 | 0.9898 | 0.9815 | 0.9688 | |
| | 5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 9 | 6 | 0.9672 | 0.8857 | 0.7765 | 0.6554 | 0.5339 | 0.4202 | 0.3191 | 0.2333 | 0.1636 | 0.1094 | |
| | 1 | 0.9978 | 0.9842 | 0.9527 | 0.9011 | 0.8306 | 0.7443 | 0.6471 | 0.5443 | 0.4415 | 0.3438 | |
| 10 | 2 | 0.9999 | 0.9987 | 0.9941 | 0.9830 | 0.9624 | 0.9295 | 0.8826 | 0.8208 | 0.7447 | 0.6563 | |
| | 3 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9990 | 0.9976 | 0.9947 | 0.9898 | 0.9815 | 0.9688 | |
| 11 | 4 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 12 | 6 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 7 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 13 | 8 | 0.9556 | 0.8503 | 0.7166 | 0.5767 | 0.4449 | 0.3294 | 0.2338 | 0.1586 | 0.1024 | 0.0625 | |
| | 1 | 0.9962 | 0.9743 | 0.9262 | 0.8520 | 0.7564 | 0.6471 | 0.5323 | 0.4199 | 0.3164 | 0.2266 | |
| 14 | 2 | 0.9998 | 0.9973 | 0.9879 | 0.9667 | 0.9294 | 0.8740 | 0.8002 | 0.7102 | 0.6083 | 0.5000 | |
| | 3 | 1.0000 | 0.9998 | 0.9988 | 0.9953 | 0.9871 | 0.9712 | 0.9444 | 0.9037 | 0.8471 | 0.7734 | |
| 15 | 4 | 1.0000 | 1.0000 | 0.9999 | 0.9996 | 0.9987 | 0.9962 | 0.9910 | 0.9812 | 0.9643 | 0.9375 | |
| | 5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 16 | 6 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 7 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 17 | 8 | 0.9428 | 0.8131 | 0.6572 | 0.5033 | 0.3671 | 0.2553 | 0.1691 | 0.1064 | 0.0632 | 0.0352 | |
| | 1 | 0.9942 | 0.9619 | 0.8948 | 0.7969 | 0.6785 | 0.5518 | 0.4278 | 0.3154 | 0.2201 | 0.1445 | |
| 18 | 2 | 0.9996 | 0.9950 | 0.9786 | 0.9437 | 0.8862 | 0.8059 | 0.7064 | 0.5941 | 0.4770 | 0.3633 | |
| | 3 | 1.0000 | 0.9996 | 0.9971 | 0.9896 | 0.9727 | 0.9420 | 0.8939 | 0.8263 | 0.7396 | 0.6367 | |
| 19 | 4 | 1.0000 | 1.0000 | 0.9998 | 0.9988 | 0.9958 | 0.9887 | 0.9747 | 0.9502 | 0.9115 | 0.8555 | |
| | 5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 20 | 6 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 7 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 21 | 8 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 1 | 0.9288 | 0.7748 | 0.5995 | 0.4362 | 0.3003 | 0.1960 | 0.1211 | 0.0705 | 0.0385 | 0.0195 | |
| 22 | 2 | 0.9916 | 0.9470 | 0.8591 | 0.7382 | 0.6007 | 0.4628 | 0.3373 | 0.2318 | 0.1495 | 0.0898 | |
| | 3 | 0.9994 | 0.9917 | 0.9661 | 0.9144 | 0.8343 | 0.7297 | 0.6089 | 0.4826 | 0.3614 | 0.2539 | |
| 23 | 4 | 1.0000 | 0.9991 | 0.9944 | 0.9804 | 0.9511 | 0.9012 | 0.8283 | 0.7334 | 0.6214 | 0.5000 | |
| | 5 | 1.0000 | 0.9999 | 0.9994 | 0.9969 | 0.9900 | 0.9747 | 0.9464 | 0.9006 | 0.8342 | 0.7461 | |
| 24 | 6 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9987 | 0.9957 | 0.9888 | 0.9750 | 0.9502 | 0.9102 | |
| | 7 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9996 | 0.9986 | 0.9962 | 0.9909 | 0.9805 | |
| 25 | 8 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9992 | 0.9980 | |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 26 | 10 | 1 | 0.9139 | 0.7361 | 0.5443 | 0.3758 | 0.2440 | 0.1493 | 0.0860 | 0.0464 | 0.0233 | 0.0107 |
| | 2 | 0.9885 | 0.9298 | 0.8202 | 0.6778 | 0.5256 | 0.3828 | 0.2616 | 0.1673 | 0.0996 | 0.0547 | |
| 27 | 3 | 0.9990 | 0.9872 | 0.9500 | 0.8791 | 0.7759 | 0.6496 | 0.5138 | 0.3823 | 0.2660 | 0.1719 | |
| | 4 | 0.9999 | 0.9984 | 0.9901 | 0.9672 | 0.9219 | 0.8497 | 0.7515 | 0.6331 | 0.5044 | 0.3770 | |
| 28 | 5 | 1.0000 | 0.9999 | 0.9986 | 0.9936 | 0.9803 | 0.9527 | 0.9051 | 0.8338 | 0.7384 | 0.6230 | |

| | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 1.0000 | 1.0000 | 0.9999 | 0.9991 | 0.9965 | 0.9894 | 0.9740 | 0.9452 | 0.8980 | 0.8281 |
| 7 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9996 | 0.9984 | 0.9952 | 0.9877 | 0.9726 | 0.9453 |
| 8 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9995 | 0.9983 | 0.9955 | 0.9893 |
| 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9990 |
| 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

TABLA II

Función de Probabilidad Binomial (Acumulada)

P(x≤x_i | n | P)

| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11 | 1 | 0.8981 | 0.6974 | 0.4922 | 0.3221 | 0.1971 | 0.1130 | 0.0606 | 0.0302 | 0.0139 | 0.0059 |
| | 2 | 0.9848 | 0.9104 | 0.7788 | 0.6174 | 0.4552 | 0.3127 | 0.2001 | 0.1189 | 0.0652 | 0.0327 |
| | 3 | 0.9984 | 0.9815 | 0.9306 | 0.8389 | 0.7133 | 0.5696 | 0.4256 | 0.2963 | 0.1911 | 0.1133 |
| | 4 | 0.9999 | 0.9972 | 0.9841 | 0.9496 | 0.8854 | 0.7897 | 0.6683 | 0.5328 | 0.3971 | 0.2744 |
| | 5 | 1.0000 | 0.9997 | 0.9973 | 0.9883 | 0.9657 | 0.9218 | 0.8513 | 0.7535 | 0.6331 | 0.5000 |
| | 6 | 1.0000 | 1.0000 | 0.9997 | 0.9980 | 0.9924 | 0.9784 | 0.9499 | 0.9006 | 0.8262 | 0.7256 |
| | 7 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9988 | 0.9957 | 0.9878 | 0.9707 | 0.9390 | 0.8867 |
| | 8 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9980 | 0.9941 | 0.9852 | 0.9673 |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9993 | 0.9978 | 0.9941 |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9995 |
| 12 | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | 1 | 0.8816 | 0.6590 | 0.4435 | 0.2749 | 0.1584 | 0.0850 | 0.0424 | 0.0196 | 0.0083 | 0.0032 |
| | 2 | 0.9804 | 0.8891 | 0.7358 | 0.5583 | 0.3907 | 0.2528 | 0.1513 | 0.0834 | 0.0421 | 0.0193 |
| | 3 | 0.9978 | 0.9744 | 0.9078 | 0.7946 | 0.6488 | 0.4925 | 0.3467 | 0.2253 | 0.1345 | 0.0730 |
| | 4 | 0.9998 | 0.9957 | 0.9761 | 0.9274 | 0.8424 | 0.7237 | 0.5833 | 0.4382 | 0.3044 | 0.1938 |
| | 5 | 1.0000 | 0.9995 | 0.9954 | 0.9806 | 0.9456 | 0.8822 | 0.7873 | 0.6652 | 0.5269 | 0.3872 |
| | 6 | 1.0000 | 0.9999 | 0.9993 | 0.9961 | 0.9857 | 0.9614 | 0.9154 | 0.8418 | 0.7393 | 0.6128 |
| | 7 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9972 | 0.9905 | 0.9745 | 0.9427 | 0.8883 | 0.8062 |
| | 8 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9996 | 0.9983 | 0.9944 | 0.9847 | 0.9644 | 0.9270 |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9992 | 0.9972 | 0.9921 | 0.9807 |
| 13 | 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9989 | 0.9968 |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9998 |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | 1 | 0.8646 | 0.6213 | 0.3983 | 0.2336 | 0.1267 | 0.0637 | 0.0296 | 0.0126 | 0.0049 | 0.0017 |
| | 2 | 0.9755 | 0.8661 | 0.6920 | 0.5017 | 0.3326 | 0.2025 | 0.1132 | 0.0579 | 0.0269 | 0.0112 |
| | 3 | 0.9969 | 0.9658 | 0.8820 | 0.7473 | 0.5843 | 0.4206 | 0.2783 | 0.1686 | 0.0929 | 0.0461 |
| | 4 | 0.9997 | 0.9935 | 0.9658 | 0.9009 | 0.7940 | 0.6543 | 0.5005 | 0.3530 | 0.2279 | 0.1334 |
| | 5 | 1.0000 | 0.9991 | 0.9925 | 0.9700 | 0.9198 | 0.8346 | 0.7159 | 0.5744 | 0.4268 | 0.2905 |
| | 6 | 1.0000 | 0.9999 | 0.9987 | 0.9930 | 0.9757 | 0.9376 | 0.8705 | 0.7712 | 0.6437 | 0.5000 |
| | 7 | 1.0000 | 1.0000 | 0.9998 | 0.9988 | 0.9944 | 0.9818 | 0.9538 | 0.9023 | 0.8212 | 0.7095 |
| 14 | 8 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9990 | 0.9960 | 0.9874 | 0.9679 | 0.9302 | 0.8666 |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9993 | 0.9975 | 0.9922 | 0.9797 | 0.9539 |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9987 | 0.9959 | 0.9888 |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9995 | 0.9983 |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 |
| | 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | 1 | 0.8470 | 0.5846 | 0.3567 | 0.1979 | 0.1010 | 0.0475 | 0.0205 | 0.0081 | 0.0029 | 0.0009 |
| | 2 | 0.9699 | 0.8416 | 0.6479 | 0.4481 | 0.2811 | 0.1608 | 0.0839 | 0.0398 | 0.0170 | 0.0065 |
| | 3 | 0.9958 | 0.9559 | 0.8535 | 0.6982 | 0.5213 | 0.3552 | 0.2205 | 0.1243 | 0.0632 | 0.0287 |
| | 4 | 0.9996 | 0.9908 | 0.9533 | 0.8702 | 0.7415 | 0.5842 | 0.4227 | 0.2793 | 0.1672 | 0.0898 |
| 15 | 5 | 1.0000 | 0.9985 | 0.9885 | 0.9561 | 0.8883 | 0.7805 | 0.6405 | 0.4859 | 0.3373 | 0.2120 |
| | 6 | 1.0000 | 0.9998 | 0.9978 | 0.9884 | 0.9617 | 0.9067 | 0.8164 | 0.6925 | 0.5461 | 0.3953 |
| | 7 | 1.0000 | 1.0000 | 0.9997 | 0.9976 | 0.9897 | 0.9685 | 0.9247 | 0.8499 | 0.7414 | 0.6047 |
| | 8 | 1.0000 | 1.0000 | 1.0000 | 0.9996 | 0.9978 | 0.9917 | 0.9757 | 0.9417 | 0.8811 | 0.7880 |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9983 | 0.9940 | 0.9825 | 0.9574 | 0.9102 |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9989 | 0.9961 | 0.9886 | 0.9713 |

| | | | | | | | | | | | |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9978 | 0.9935 |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9991 |
| | 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 |
| | 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 15 | 1 | 0.8290 | 0.5490 | 0.3186 | 0.1671 | 0.0802 | 0.0353 | 0.0142 | 0.0052 | 0.0017 | 0.0005 |
| | 2 | 0.9638 | 0.8159 | 0.6042 | 0.3980 | 0.2361 | 0.1268 | 0.0617 | 0.0271 | 0.0107 | 0.0037 |
| | 3 | 0.9945 | 0.9444 | 0.8227 | 0.6482 | 0.4613 | 0.2969 | 0.1727 | 0.0905 | 0.0424 | 0.0176 |
| | 4 | 0.9994 | 0.9873 | 0.9383 | 0.8358 | 0.6865 | 0.5155 | 0.3519 | 0.2173 | 0.1204 | 0.0592 |
| | 5 | 0.9999 | 0.9978 | 0.9832 | 0.9389 | 0.8516 | 0.7216 | 0.5643 | 0.4032 | 0.2608 | 0.1509 |
| | 6 | 1.0000 | 0.9997 | 0.9964 | 0.9819 | 0.9434 | 0.8689 | 0.7548 | 0.6098 | 0.4522 | 0.3036 |

TABLA II

| Función de Probabilidad Binomial (Acumulada) | | | | | | | $P(x \leq x_i n, P)$ | | | | | |
|--|----|--------|--------|--------|--------|--------|------------------------|--------|--------|--------|--------|--------|
| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 | |
| 15 | 7 | 1.0000 | 1.0000 | 0.9994 | 0.9958 | 0.9827 | 0.9500 | 0.8868 | 0.7869 | 0.6535 | 0.5000 | |
| | 8 | 1.0000 | 1.0000 | 0.9999 | 0.9992 | 0.9958 | 0.9848 | 0.9578 | 0.9050 | 0.8182 | 0.6964 | |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9992 | 0.9963 | 0.9876 | 0.9662 | 0.9231 | 0.8491 | |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9993 | 0.9972 | 0.9907 | 0.9745 | 0.9408 | |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9995 | 0.9981 | 0.9937 | 0.9824 | |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9989 | 0.9963 | |
| | 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9995 | |
| | 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 16 | 1 | 0.8108 | 0.5147 | 0.2839 | 0.1407 | 0.0635 | 0.0261 | 0.0098 | 0.0033 | 0.0010 | 0.0003 |
| | 2 | 0.9571 | 0.7892 | 0.5614 | 0.3518 | 0.1971 | 0.0994 | 0.0451 | 0.0183 | 0.0066 | 0.0021 | |
| | 3 | 0.9930 | 0.9316 | 0.7899 | 0.5981 | 0.4050 | 0.2459 | 0.1339 | 0.0651 | 0.0281 | 0.0106 | |
| | 4 | 0.9991 | 0.9830 | 0.9209 | 0.7982 | 0.6302 | 0.4499 | 0.2892 | 0.1666 | 0.0853 | 0.0384 | |
| | 5 | 0.9999 | 0.9967 | 0.9765 | 0.9183 | 0.8103 | 0.6598 | 0.4900 | 0.3288 | 0.1976 | 0.1051 | |
| | 6 | 1.0000 | 0.9995 | 0.9944 | 0.9733 | 0.9204 | 0.8247 | 0.6881 | 0.5272 | 0.3660 | 0.2272 | |
| | 7 | 1.0000 | 0.9999 | 0.9989 | 0.9930 | 0.9729 | 0.9256 | 0.8406 | 0.7161 | 0.5629 | 0.4018 | |
| | 8 | 1.0000 | 1.0000 | 0.9998 | 0.9985 | 0.9925 | 0.9743 | 0.9329 | 0.8577 | 0.7441 | 0.5982 | |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9984 | 0.9929 | 0.9771 | 0.9417 | 0.8759 | 0.7728 | |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9984 | 0.9938 | 0.9809 | 0.9514 | 0.8949 | |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9987 | 0.9951 | 0.9851 | 0.9616 | |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9991 | 0.9965 | 0.9894 | |
| | 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9979 | |
| | 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | |
| | 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| | 16 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |
| 17 | 1 | 0.7922 | 0.4818 | 0.2525 | 0.1182 | 0.0501 | 0.0193 | 0.0067 | 0.0021 | 0.0006 | 0.0001 | |
| | 2 | 0.9497 | 0.7618 | 0.5198 | 0.3096 | 0.1637 | 0.0774 | 0.0327 | 0.0123 | 0.0041 | 0.0012 | |
| | 3 | 0.9912 | 0.9174 | 0.7556 | 0.5489 | 0.3530 | 0.2019 | 0.1028 | 0.0464 | 0.0184 | 0.0064 | |
| | 4 | 0.9988 | 0.9779 | 0.9013 | 0.7582 | 0.5739 | 0.3887 | 0.2348 | 0.1260 | 0.0596 | 0.0245 | |
| | 5 | 0.9999 | 0.9953 | 0.9681 | 0.8943 | 0.7653 | 0.5968 | 0.4197 | 0.2639 | 0.1471 | 0.0717 | |
| | 6 | 1.0000 | 0.9992 | 0.9917 | 0.9623 | 0.8929 | 0.7752 | 0.6188 | 0.4478 | 0.2902 | 0.1662 | |
| | 7 | 1.0000 | 0.9999 | 0.9983 | 0.9891 | 0.9598 | 0.8954 | 0.7872 | 0.6405 | 0.4743 | 0.3145 | |
| | 8 | 1.0000 | 1.0000 | 0.9997 | 0.9974 | 0.9876 | 0.9597 | 0.9006 | 0.8011 | 0.6626 | 0.5000 | |
| | 9 | 1.0000 | 1.0000 | 1.0000 | 0.9995 | 0.9969 | 0.9873 | 0.9617 | 0.9081 | 0.8166 | 0.6855 | |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9968 | 0.9880 | 0.9652 | 0.9174 | 0.8338 | |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9993 | 0.9970 | 0.9894 | 0.9699 | 0.9283 | |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9975 | 0.9914 | 0.9755 | |
| | 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9995 | 0.9981 | 0.9936 | |
| | 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9988 | |
| | 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | |
| | 16 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | |

| | | | | | | | | | | | |
|-----------|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 17 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 18 | 1 | 0.7735 | 0.4503 | 0.2241 | 0.0991 | 0.0395 | 0.0142 | 0.0046 | 0.0013 | 0.0003 | 0.0001 |
| | 2 | 0.9419 | 0.7338 | 0.4797 | 0.2713 | 0.1353 | 0.0600 | 0.0236 | 0.0082 | 0.0025 | 0.0007 |
| | 3 | 0.9891 | 0.9018 | 0.7202 | 0.5010 | 0.3057 | 0.1646 | 0.0783 | 0.0328 | 0.0120 | 0.0038 |
| | 4 | 0.9985 | 0.9718 | 0.8794 | 0.7164 | 0.5187 | 0.3327 | 0.1886 | 0.0942 | 0.0411 | 0.0154 |
| | 5 | 0.9998 | 0.9936 | 0.9581 | 0.8671 | 0.7175 | 0.5344 | 0.3550 | 0.2088 | 0.1077 | 0.0481 |
| | 6 | 1.0000 | 0.9988 | 0.9882 | 0.9487 | 0.8610 | 0.7217 | 0.5491 | 0.3743 | 0.2258 | 0.1189 |
| | 7 | 1.0000 | 0.9998 | 0.9973 | 0.9837 | 0.9431 | 0.8593 | 0.7283 | 0.5634 | 0.3915 | 0.2403 |
| | 8 | 1.0000 | 1.0000 | 0.9995 | 0.9957 | 0.9807 | 0.9404 | 0.8609 | 0.7368 | 0.5778 | 0.4073 |
| | 9 | 1.0000 | 1.0000 | 0.9999 | 0.9991 | 0.9946 | 0.9790 | 0.9403 | 0.8653 | 0.7473 | 0.5927 |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9988 | 0.9939 | 0.9788 | 0.9424 | 0.8720 | 0.7597 |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9986 | 0.9938 | 0.9797 | 0.9463 | 0.8811 |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9986 | 0.9942 | 0.9817 | 0.9519 |
| | 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9987 | 0.9951 | 0.9846 |
| | 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9990 | 0.9962 |

TABLA II

Función de Probabilidad Binomial (Acumulada)

P(x≤x_i | n | P)

| n | x | 0.05 | 0.1 | 0.15 | 0.2 | 0.25 | 0.3 | 0.35 | 0.4 | 0.45 | 0.5 |
|-----------|-----------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|-------------|------------|
| 18 | 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9993 |
| | 16 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 |
| | 17 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | 18 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 19 | 1 | 0.7547 | 0.4203 | 0.1985 | 0.0829 | 0.0310 | 0.0104 | 0.0031 | 0.0008 | 0.0002 | 0.0000 |
| | 2 | 0.9335 | 0.7054 | 0.4413 | 0.2369 | 0.1113 | 0.0462 | 0.0170 | 0.0055 | 0.0015 | 0.0004 |
| | 3 | 0.9868 | 0.8850 | 0.6841 | 0.4551 | 0.2631 | 0.1332 | 0.0591 | 0.0230 | 0.0077 | 0.0022 |
| | 4 | 0.9980 | 0.9648 | 0.8556 | 0.6733 | 0.4654 | 0.2822 | 0.1500 | 0.0696 | 0.0280 | 0.0096 |
| | 5 | 0.9998 | 0.9914 | 0.9463 | 0.8369 | 0.6678 | 0.4739 | 0.2968 | 0.1629 | 0.0777 | 0.0318 |
| | 6 | 1.0000 | 0.9983 | 0.9837 | 0.9324 | 0.8251 | 0.6655 | 0.4812 | 0.3081 | 0.1727 | 0.0835 |
| | 7 | 1.0000 | 0.9997 | 0.9959 | 0.9767 | 0.9225 | 0.8180 | 0.6656 | 0.4878 | 0.3169 | 0.1796 |
| | 8 | 1.0000 | 1.0000 | 0.9992 | 0.9933 | 0.9713 | 0.9161 | 0.8145 | 0.6675 | 0.4940 | 0.3238 |
| | 9 | 1.0000 | 1.0000 | 0.9999 | 0.9984 | 0.9911 | 0.9674 | 0.9125 | 0.8139 | 0.6710 | 0.5000 |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9977 | 0.9895 | 0.9653 | 0.9115 | 0.8159 | 0.6762 |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9995 | 0.9972 | 0.9886 | 0.9648 | 0.9129 | 0.8204 |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9969 | 0.9884 | 0.9658 | 0.9165 |
| | 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9993 | 0.9969 | 0.9891 | 0.9682 |
| | 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9994 | 0.9972 | 0.9904 |
| | 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9995 | 0.9978 |
| | 16 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9996 |
| | 17 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | 18 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| | 19 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 20 | 1 | 0.7358 | 0.3917 | 0.1756 | 0.0692 | 0.0243 | 0.0076 | 0.0021 | 0.0005 | 0.0001 | 0.0000 |
| | 2 | 0.9245 | 0.6769 | 0.4049 | 0.2061 | 0.0913 | 0.0355 | 0.0121 | 0.0036 | 0.0009 | 0.0002 |
| | 3 | 0.9841 | 0.8670 | 0.6477 | 0.4114 | 0.2252 | 0.1071 | 0.0444 | 0.0160 | 0.0049 | 0.0013 |
| | 4 | 0.9974 | 0.9568 | 0.8298 | 0.6296 | 0.4148 | 0.2375 | 0.1182 | 0.0510 | 0.0189 | 0.0059 |
| | 5 | 0.9997 | 0.9887 | 0.9327 | 0.8042 | 0.6172 | 0.4164 | 0.2454 | 0.1256 | 0.0553 | 0.0207 |
| | 6 | 1.0000 | 0.9976 | 0.9781 | 0.9133 | 0.7858 | 0.6080 | 0.4166 | 0.2500 | 0.1299 | 0.0577 |
| | 7 | 1.0000 | 0.9996 | 0.9941 | 0.9679 | 0.8982 | 0.7723 | 0.6010 | 0.4159 | 0.2520 | 0.1316 |
| | 8 | 1.0000 | 0.9999 | 0.9987 | 0.9900 | 0.9591 | 0.8867 | 0.7624 | 0.5956 | 0.4143 | 0.2517 |
| | 9 | 1.0000 | 1.0000 | 0.9998 | 0.9974 | 0.9861 | 0.9520 | 0.8782 | 0.7553 | 0.5914 | 0.4119 |
| | 10 | 1.0000 | 1.0000 | 1.0000 | 0.9994 | 0.9961 | 0.9829 | 0.9468 | 0.8725 | 0.7507 | 0.5881 |
| | 11 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9991 | 0.9949 | 0.9804 | 0.9435 | 0.8692 | 0.7483 |
| | 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 | 0.9987 | 0.9940 | 0.9790 | 0.9420 | 0.8684 |

| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9985 | 0.9935 | 0.9786 | 0.9423 |
| 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9997 | 0.9984 | 0.9936 | 0.9793 |
| 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9985 | 0.9941 |
| 16 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9997 | 0.9987 |
| 17 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9998 |
| 18 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 19 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| 20 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

TABLA III

Función de Probabilidad Poisson (puntual) $P(x=x_i \text{ m}=\lambda=nP)$

$m=\lambda$

| x | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 0.9048 | 0.8187 | 0.7408 | 0.6703 | 0.6065 | 0.5488 | 0.4966 | 0.4493 | 0.4066 | 0.3679 |
| 1 | 0.0905 | 0.1637 | 0.2222 | 0.2681 | 0.3033 | 0.3293 | 0.3476 | 0.3595 | 0.3659 | 0.3679 |
| 2 | 0.0045 | 0.0164 | 0.0333 | 0.0536 | 0.0758 | 0.0988 | 0.1217 | 0.1438 | 0.1647 | 0.1839 |
| 3 | 0.0002 | 0.0011 | 0.0033 | 0.0072 | 0.0126 | 0.0198 | 0.0284 | 0.0383 | 0.0494 | 0.0613 |
| 4 | 0.0000 | 0.0001 | 0.0003 | 0.0007 | 0.0016 | 0.0030 | 0.0050 | 0.0077 | 0.0111 | 0.0153 |
| 5 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0004 | 0.0007 | 0.0012 | 0.0020 | 0.0031 |
| 6 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0003 | 0.0005 |
| 7 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |

m

| x | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2 |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 0.3329 | 0.3012 | 0.2725 | 0.2466 | 0.2231 | 0.2019 | 0.1827 | 0.1653 | 0.1496 | 0.1353 |
| 1 | 0.3662 | 0.3614 | 0.3543 | 0.3452 | 0.3347 | 0.3230 | 0.3106 | 0.2975 | 0.2842 | 0.2707 |
| 2 | 0.2014 | 0.2169 | 0.2303 | 0.2417 | 0.2510 | 0.2584 | 0.2640 | 0.2678 | 0.2700 | 0.2707 |
| 3 | 0.0738 | 0.0867 | 0.0998 | 0.1128 | 0.1255 | 0.1378 | 0.1496 | 0.1607 | 0.1710 | 0.1804 |
| 4 | 0.0203 | 0.0260 | 0.0324 | 0.0395 | 0.0471 | 0.0551 | 0.0636 | 0.0723 | 0.0812 | 0.0902 |
| 5 | 0.0045 | 0.0062 | 0.0084 | 0.0111 | 0.0141 | 0.0176 | 0.0216 | 0.0260 | 0.0309 | 0.0361 |
| 6 | 0.0008 | 0.0012 | 0.0018 | 0.0026 | 0.0035 | 0.0047 | 0.0061 | 0.0078 | 0.0098 | 0.0120 |
| 7 | 0.0001 | 0.0002 | 0.0003 | 0.0005 | 0.0008 | 0.0011 | 0.0015 | 0.0020 | 0.0027 | 0.0034 |
| 8 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0003 | 0.0005 | 0.0006 | 0.0009 |
| 9 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0002 |

m

| x | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3 |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 0.1225 | 0.1108 | 0.1003 | 0.0907 | 0.0821 | 0.0743 | 0.0672 | 0.0608 | 0.0550 | 0.0498 |
| 1 | 0.2572 | 0.2438 | 0.2306 | 0.2177 | 0.2052 | 0.1931 | 0.1815 | 0.1703 | 0.1596 | 0.1494 |
| 2 | 0.2700 | 0.2681 | 0.2652 | 0.2613 | 0.2565 | 0.2510 | 0.2450 | 0.2384 | 0.2314 | 0.2240 |
| 3 | 0.1890 | 0.1966 | 0.2033 | 0.2090 | 0.2138 | 0.2176 | 0.2205 | 0.2225 | 0.2237 | 0.2240 |
| 4 | 0.0992 | 0.1082 | 0.1169 | 0.1254 | 0.1336 | 0.1414 | 0.1488 | 0.1557 | 0.1622 | 0.1680 |
| 5 | 0.0417 | 0.0476 | 0.0538 | 0.0602 | 0.0668 | 0.0735 | 0.0804 | 0.0872 | 0.0940 | 0.1008 |
| 6 | 0.0146 | 0.0174 | 0.0206 | 0.0241 | 0.0278 | 0.0319 | 0.0362 | 0.0407 | 0.0455 | 0.0504 |
| 7 | 0.0044 | 0.0055 | 0.0068 | 0.0083 | 0.0099 | 0.0118 | 0.0139 | 0.0163 | 0.0188 | 0.0216 |
| 8 | 0.0011 | 0.0015 | 0.0019 | 0.0025 | 0.0031 | 0.0038 | 0.0047 | 0.0057 | 0.0068 | 0.0081 |
| 9 | 0.0003 | 0.0004 | 0.0005 | 0.0007 | 0.0009 | 0.0011 | 0.0014 | 0.0018 | 0.0022 | 0.0027 |
| 10 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0003 | 0.0004 | 0.0005 | 0.0006 | 0.0008 |
| 11 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 |
| 12 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |

m

| x | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4 |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 0.0450 | 0.0408 | 0.0369 | 0.0334 | 0.0302 | 0.0273 | 0.0247 | 0.0224 | 0.0202 | 0.0183 |
| 1 | 0.1397 | 0.1304 | 0.1217 | 0.1135 | 0.1057 | 0.0984 | 0.0915 | 0.0850 | 0.0789 | 0.0733 |
| 2 | 0.2165 | 0.2087 | 0.2008 | 0.1929 | 0.1850 | 0.1771 | 0.1692 | 0.1615 | 0.1539 | 0.1465 |

| | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3 | 0.2237 | 0.2226 | 0.2209 | 0.2186 | 0.2158 | 0.2125 | 0.2087 | 0.2046 | 0.2001 | 0.1954 |
| 4 | 0.1733 | 0.1781 | 0.1823 | 0.1858 | 0.1888 | 0.1912 | 0.1931 | 0.1944 | 0.1951 | 0.1954 |
| 5 | 0.1075 | 0.1140 | 0.1203 | 0.1264 | 0.1322 | 0.1377 | 0.1429 | 0.1477 | 0.1522 | 0.1563 |
| 6 | 0.0555 | 0.0608 | 0.0662 | 0.0716 | 0.0771 | 0.0826 | 0.0881 | 0.0936 | 0.0989 | 0.1042 |
| 7 | 0.0246 | 0.0278 | 0.0312 | 0.0348 | 0.0385 | 0.0425 | 0.0466 | 0.0508 | 0.0551 | 0.0595 |
| 8 | 0.0095 | 0.0111 | 0.0129 | 0.0148 | 0.0169 | 0.0191 | 0.0215 | 0.0241 | 0.0269 | 0.0298 |
| 9 | 0.0033 | 0.0040 | 0.0047 | 0.0056 | 0.0066 | 0.0076 | 0.0089 | 0.0102 | 0.0116 | 0.0132 |
| 10 | 0.0010 | 0.0013 | 0.0016 | 0.0019 | 0.0023 | 0.0028 | 0.0033 | 0.0039 | 0.0045 | 0.0053 |
| 11 | 0.0003 | 0.0004 | 0.0005 | 0.0006 | 0.0007 | 0.0009 | 0.0011 | 0.0013 | 0.0016 | 0.0019 |
| 12 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0005 | 0.0006 |
| 13 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 |
| 14 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 |

TABLA III

Función de Probabilidad Poisson (puntual) $P(x=x_i; m=\lambda=nP)$

| x | $m=\lambda$ | | | | | | | | | |
|----|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5 |
| 0 | 0.0166 | 0.0150 | 0.0136 | 0.0123 | 0.0111 | 0.0101 | 0.0091 | 0.0082 | 0.0074 | 0.0067 |
| 1 | 0.0679 | 0.0630 | 0.0583 | 0.0540 | 0.0500 | 0.0462 | 0.0427 | 0.0395 | 0.0365 | 0.0337 |
| 2 | 0.1393 | 0.1323 | 0.1254 | 0.1188 | 0.1125 | 0.1063 | 0.1005 | 0.0948 | 0.0894 | 0.0842 |
| 3 | 0.1904 | 0.1852 | 0.1798 | 0.1743 | 0.1687 | 0.1631 | 0.1574 | 0.1517 | 0.1460 | 0.1404 |
| 4 | 0.1951 | 0.1944 | 0.1933 | 0.1917 | 0.1898 | 0.1875 | 0.1849 | 0.1820 | 0.1789 | 0.1755 |
| 5 | 0.1600 | 0.1633 | 0.1662 | 0.1687 | 0.1708 | 0.1725 | 0.1738 | 0.1747 | 0.1753 | 0.1755 |
| 6 | 0.1093 | 0.1143 | 0.1191 | 0.1237 | 0.1281 | 0.1323 | 0.1362 | 0.1398 | 0.1432 | 0.1462 |
| 7 | 0.0640 | 0.0686 | 0.0732 | 0.0778 | 0.0824 | 0.0869 | 0.0914 | 0.0959 | 0.1002 | 0.1044 |
| 8 | 0.0328 | 0.0360 | 0.0393 | 0.0428 | 0.0463 | 0.0500 | 0.0537 | 0.0575 | 0.0614 | 0.0653 |
| 9 | 0.0150 | 0.0168 | 0.0188 | 0.0209 | 0.0232 | 0.0255 | 0.0281 | 0.0307 | 0.0334 | 0.0363 |
| 10 | 0.0061 | 0.0071 | 0.0081 | 0.0092 | 0.0104 | 0.0118 | 0.0132 | 0.0147 | 0.0164 | 0.0181 |
| 11 | 0.0023 | 0.0027 | 0.0032 | 0.0037 | 0.0043 | 0.0049 | 0.0056 | 0.0064 | 0.0073 | 0.0082 |
| 12 | 0.0008 | 0.0009 | 0.0011 | 0.0013 | 0.0016 | 0.0019 | 0.0022 | 0.0026 | 0.0030 | 0.0034 |
| 13 | 0.0002 | 0.0003 | 0.0004 | 0.0005 | 0.0006 | 0.0007 | 0.0008 | 0.0009 | 0.0011 | 0.0013 |
| 14 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0005 | |
| 15 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 |
| x | m | | | | | | | | | |
| x | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6 |
| 0 | 0.0061 | 0.0055 | 0.0050 | 0.0045 | 0.0041 | 0.0037 | 0.0033 | 0.0030 | 0.0027 | 0.0025 |
| 1 | 0.0311 | 0.0287 | 0.0265 | 0.0244 | 0.0225 | 0.0207 | 0.0191 | 0.0176 | 0.0162 | 0.0149 |
| 2 | 0.0793 | 0.0746 | 0.0701 | 0.0659 | 0.0618 | 0.0580 | 0.0544 | 0.0509 | 0.0477 | 0.0446 |
| 3 | 0.1348 | 0.1293 | 0.1239 | 0.1185 | 0.1133 | 0.1082 | 0.1033 | 0.0985 | 0.0938 | 0.0892 |
| 4 | 0.1719 | 0.1681 | 0.1641 | 0.1600 | 0.1558 | 0.1515 | 0.1472 | 0.1428 | 0.1383 | 0.1339 |
| 5 | 0.1753 | 0.1748 | 0.1740 | 0.1728 | 0.1714 | 0.1697 | 0.1678 | 0.1656 | 0.1632 | 0.1606 |
| 6 | 0.1490 | 0.1515 | 0.1537 | 0.1555 | 0.1571 | 0.1584 | 0.1594 | 0.1601 | 0.1605 | 0.1606 |
| 7 | 0.1086 | 0.1125 | 0.1163 | 0.1200 | 0.1234 | 0.1267 | 0.1298 | 0.1326 | 0.1353 | 0.1377 |
| 8 | 0.0692 | 0.0731 | 0.0771 | 0.0810 | 0.0849 | 0.0887 | 0.0925 | 0.0962 | 0.0998 | 0.1033 |
| 9 | 0.0392 | 0.0423 | 0.0454 | 0.0486 | 0.0519 | 0.0552 | 0.0586 | 0.0620 | 0.0654 | 0.0688 |
| 10 | 0.0200 | 0.0220 | 0.0241 | 0.0262 | 0.0285 | 0.0309 | 0.0334 | 0.0359 | 0.0386 | 0.0413 |
| 11 | 0.0093 | 0.0104 | 0.0116 | 0.0129 | 0.0143 | 0.0157 | 0.0173 | 0.0190 | 0.0207 | 0.0225 |
| 12 | 0.0039 | 0.0045 | 0.0051 | 0.0058 | 0.0065 | 0.0073 | 0.0082 | 0.0092 | 0.0102 | 0.0113 |
| 13 | 0.0015 | 0.0018 | 0.0021 | 0.0024 | 0.0028 | 0.0032 | 0.0036 | 0.0041 | 0.0046 | 0.0052 |
| 14 | 0.0006 | 0.0007 | 0.0008 | 0.0009 | 0.0011 | 0.0013 | 0.0015 | 0.0017 | 0.0019 | 0.0022 |
| 15 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0005 | 0.0006 | 0.0007 | 0.0008 | 0.0009 |
| 16 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 |
| 17 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| x | m | | | | | | | | | |
| x | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7 |

| | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0 | 0.0022 | 0.0020 | 0.0018 | 0.0017 | 0.0015 | 0.0014 | 0.0012 | 0.0011 | 0.0010 | 0.0009 |
| 1 | 0.0137 | 0.0126 | 0.0116 | 0.0106 | 0.0098 | 0.0090 | 0.0082 | 0.0076 | 0.0070 | 0.0064 |
| 2 | 0.0417 | 0.0390 | 0.0364 | 0.0340 | 0.0318 | 0.0296 | 0.0276 | 0.0258 | 0.0240 | 0.0223 |
| 3 | 0.0848 | 0.0806 | 0.0765 | 0.0726 | 0.0688 | 0.0652 | 0.0617 | 0.0584 | 0.0552 | 0.0521 |
| 4 | 0.1294 | 0.1249 | 0.1205 | 0.1162 | 0.1118 | 0.1076 | 0.1034 | 0.0992 | 0.0952 | 0.0912 |
| 5 | 0.1579 | 0.1549 | 0.1519 | 0.1487 | 0.1454 | 0.1420 | 0.1385 | 0.1349 | 0.1314 | 0.1277 |
| 6 | 0.1605 | 0.1601 | 0.1595 | 0.1586 | 0.1575 | 0.1562 | 0.1546 | 0.1529 | 0.1511 | 0.1490 |
| 7 | 0.1399 | 0.1418 | 0.1435 | 0.1450 | 0.1462 | 0.1472 | 0.1480 | 0.1486 | 0.1489 | 0.1490 |
| 8 | 0.1066 | 0.1099 | 0.1130 | 0.1160 | 0.1188 | 0.1215 | 0.1240 | 0.1263 | 0.1284 | 0.1304 |
| 9 | 0.0723 | 0.0757 | 0.0791 | 0.0825 | 0.0858 | 0.0891 | 0.0923 | 0.0954 | 0.0985 | 0.1014 |
| 10 | 0.0441 | 0.0469 | 0.0498 | 0.0528 | 0.0558 | 0.0588 | 0.0618 | 0.0649 | 0.0679 | 0.0710 |
| 11 | 0.0244 | 0.0265 | 0.0285 | 0.0307 | 0.0330 | 0.0353 | 0.0377 | 0.0401 | 0.0426 | 0.0452 |
| 12 | 0.0124 | 0.0137 | 0.0150 | 0.0164 | 0.0179 | 0.0194 | 0.0210 | 0.0227 | 0.0245 | 0.0263 |
| 13 | 0.0058 | 0.0065 | 0.0073 | 0.0081 | 0.0089 | 0.0099 | 0.0108 | 0.0119 | 0.0130 | 0.0142 |
| 14 | 0.0025 | 0.0029 | 0.0033 | 0.0037 | 0.0041 | 0.0046 | 0.0052 | 0.0058 | 0.0064 | 0.0071 |
| 15 | 0.0010 | 0.0012 | 0.0014 | 0.0016 | 0.0018 | 0.0020 | 0.0023 | 0.0026 | 0.0029 | 0.0033 |
| 16 | 0.0004 | 0.0005 | 0.0005 | 0.0006 | 0.0007 | 0.0008 | 0.0010 | 0.0011 | 0.0013 | 0.0014 |
| 17 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 |
| 18 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0002 |
| 19 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |

TABLA III

Función de Probabilidad Poisson (puntual) $P(x=x_i \text{ m}=\lambda=nP)$

| x | $m=\lambda$ | | | | | | | | | |
|----|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8 |
| 0 | 0.0008 | 0.0007 | 0.0007 | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0004 | 0.0004 | 0.0003 |
| 1 | 0.0059 | 0.0054 | 0.0049 | 0.0045 | 0.0041 | 0.0038 | 0.0035 | 0.0032 | 0.0029 | 0.0027 |
| 2 | 0.0208 | 0.0194 | 0.0180 | 0.0167 | 0.0156 | 0.0145 | 0.0134 | 0.0125 | 0.0116 | 0.0107 |
| 3 | 0.0492 | 0.0464 | 0.0438 | 0.0413 | 0.0389 | 0.0366 | 0.0345 | 0.0324 | 0.0305 | 0.0286 |
| 4 | 0.0874 | 0.0836 | 0.0799 | 0.0764 | 0.0729 | 0.0696 | 0.0663 | 0.0632 | 0.0602 | 0.0573 |
| 5 | 0.1241 | 0.1204 | 0.1167 | 0.1130 | 0.1094 | 0.1057 | 0.1021 | 0.0986 | 0.0951 | 0.0916 |
| 6 | 0.1468 | 0.1445 | 0.1420 | 0.1394 | 0.1367 | 0.1339 | 0.1311 | 0.1282 | 0.1252 | 0.1221 |
| 7 | 0.1489 | 0.1486 | 0.1481 | 0.1474 | 0.1465 | 0.1454 | 0.1442 | 0.1428 | 0.1413 | 0.1396 |
| 8 | 0.1321 | 0.1337 | 0.1351 | 0.1363 | 0.1373 | 0.1381 | 0.1388 | 0.1392 | 0.1395 | 0.1396 |
| 9 | 0.1042 | 0.1070 | 0.1096 | 0.1121 | 0.1144 | 0.1167 | 0.1187 | 0.1207 | 0.1224 | 0.1241 |
| 10 | 0.0740 | 0.0770 | 0.0800 | 0.0829 | 0.0858 | 0.0887 | 0.0914 | 0.0941 | 0.0967 | 0.0993 |
| 11 | 0.0478 | 0.0504 | 0.0531 | 0.0558 | 0.0585 | 0.0613 | 0.0640 | 0.0667 | 0.0695 | 0.0722 |
| 12 | 0.0283 | 0.0303 | 0.0323 | 0.0344 | 0.0366 | 0.0388 | 0.0411 | 0.0434 | 0.0457 | 0.0481 |
| 13 | 0.0154 | 0.0168 | 0.0181 | 0.0196 | 0.0211 | 0.0227 | 0.0243 | 0.0260 | 0.0278 | 0.0296 |
| 14 | 0.0078 | 0.0086 | 0.0095 | 0.0104 | 0.0113 | 0.0123 | 0.0134 | 0.0145 | 0.0157 | 0.0169 |
| 15 | 0.0037 | 0.0041 | 0.0046 | 0.0051 | 0.0057 | 0.0062 | 0.0069 | 0.0075 | 0.0083 | 0.0090 |
| 16 | 0.0016 | 0.0019 | 0.0021 | 0.0024 | 0.0026 | 0.0030 | 0.0033 | 0.0037 | 0.0041 | 0.0045 |
| 17 | 0.0007 | 0.0008 | 0.0009 | 0.0010 | 0.0012 | 0.0013 | 0.0015 | 0.0017 | 0.0019 | 0.0021 |
| 18 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 | 0.0006 | 0.0007 | 0.0008 | 0.0009 |
| 19 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0003 | 0.0004 |
| 20 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 |
| 21 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |
| x | m | | | | | | | | | |
| x | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9 |
| 0 | 0.0003 | 0.0003 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0001 | 0.0001 |
| 1 | 0.0025 | 0.0023 | 0.0021 | 0.0019 | 0.0017 | 0.0016 | 0.0014 | 0.0013 | 0.0012 | 0.0011 |
| 2 | 0.0100 | 0.0092 | 0.0086 | 0.0079 | 0.0074 | 0.0068 | 0.0063 | 0.0058 | 0.0054 | 0.0050 |
| 3 | 0.0269 | 0.0252 | 0.0237 | 0.0222 | 0.0208 | 0.0195 | 0.0183 | 0.0171 | 0.0160 | 0.0150 |
| 4 | 0.0544 | 0.0517 | 0.0491 | 0.0466 | 0.0443 | 0.0420 | 0.0398 | 0.0377 | 0.0357 | 0.0337 |
| 5 | 0.0882 | 0.0849 | 0.0816 | 0.0784 | 0.0752 | 0.0722 | 0.0692 | 0.0663 | 0.0635 | 0.0607 |

| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 6 | 0.1191 | 0.1160 | 0.1128 | 0.1097 | 0.1066 | 0.1034 | 0.1003 | 0.0972 | 0.0941 | 0.0911 |
| 7 | 0.1378 | 0.1358 | 0.1338 | 0.1317 | 0.1294 | 0.1271 | 0.1247 | 0.1222 | 0.1197 | 0.1171 |
| 8 | 0.1395 | 0.1392 | 0.1388 | 0.1382 | 0.1375 | 0.1366 | 0.1356 | 0.1344 | 0.1332 | 0.1318 |
| 9 | 0.1256 | 0.1269 | 0.1280 | 0.1290 | 0.1299 | 0.1306 | 0.1311 | 0.1315 | 0.1317 | 0.1318 |
| 10 | 0.1017 | 0.1040 | 0.1063 | 0.1084 | 0.1104 | 0.1123 | 0.1140 | 0.1157 | 0.1172 | 0.1186 |
| 11 | 0.0749 | 0.0776 | 0.0802 | 0.0828 | 0.0853 | 0.0878 | 0.0902 | 0.0925 | 0.0948 | 0.0970 |
| 12 | 0.0505 | 0.0530 | 0.0555 | 0.0579 | 0.0604 | 0.0629 | 0.0654 | 0.0679 | 0.0703 | 0.0728 |
| 13 | 0.0315 | 0.0334 | 0.0354 | 0.0374 | 0.0395 | 0.0416 | 0.0438 | 0.0459 | 0.0481 | 0.0504 |
| 14 | 0.0182 | 0.0196 | 0.0210 | 0.0225 | 0.0240 | 0.0256 | 0.0272 | 0.0289 | 0.0306 | 0.0324 |
| 15 | 0.0098 | 0.0107 | 0.0116 | 0.0126 | 0.0136 | 0.0147 | 0.0158 | 0.0169 | 0.0182 | 0.0194 |
| 16 | 0.0050 | 0.0055 | 0.0060 | 0.0066 | 0.0072 | 0.0079 | 0.0086 | 0.0093 | 0.0101 | 0.0109 |
| 17 | 0.0024 | 0.0026 | 0.0029 | 0.0033 | 0.0036 | 0.0040 | 0.0044 | 0.0048 | 0.0053 | 0.0058 |
| 18 | 0.0011 | 0.0012 | 0.0014 | 0.0015 | 0.0017 | 0.0019 | 0.0021 | 0.0024 | 0.0026 | 0.0029 |
| 19 | 0.0005 | 0.0005 | 0.0006 | 0.0007 | 0.0008 | 0.0009 | 0.0010 | 0.0011 | 0.0012 | 0.0014 |
| 20 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0005 | 0.0006 |
| 21 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0003 |
| 22 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |

m

| x | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10 |
|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| 0 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 |
| 1 | 0.0010 | 0.0009 | 0.0009 | 0.0008 | 0.0007 | 0.0007 | 0.0006 | 0.0005 | 0.0005 | 0.0005 |
| 2 | 0.0046 | 0.0043 | 0.0040 | 0.0037 | 0.0034 | 0.0031 | 0.0029 | 0.0027 | 0.0025 | 0.0023 |
| 3 | 0.0140 | 0.0131 | 0.0123 | 0.0115 | 0.0107 | 0.0100 | 0.0093 | 0.0087 | 0.0081 | 0.0076 |
| 4 | 0.0319 | 0.0302 | 0.0285 | 0.0269 | 0.0254 | 0.0240 | 0.0226 | 0.0213 | 0.0201 | 0.0189 |

TABLA III

Función de Probabilidad Poisson (puntual) **P(x=x; m=λ=nP)**

| m=λ | | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|-----------|
| x | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10 |
| 5 | 0.0581 | 0.0555 | 0.0530 | 0.0506 | 0.0483 | 0.0460 | 0.0439 | 0.0418 | 0.0398 | 0.0378 |
| 6 | 0.0881 | 0.0851 | 0.0822 | 0.0793 | 0.0764 | 0.0736 | 0.0709 | 0.0682 | 0.0656 | 0.0631 |
| 7 | 0.1145 | 0.1118 | 0.1091 | 0.1064 | 0.1037 | 0.1010 | 0.0982 | 0.0955 | 0.0928 | 0.0901 |
| 8 | 0.1302 | 0.1286 | 0.1269 | 0.1251 | 0.1232 | 0.1212 | 0.1191 | 0.1170 | 0.1148 | 0.1126 |
| 9 | 0.1317 | 0.1315 | 0.1311 | 0.1306 | 0.1300 | 0.1293 | 0.1284 | 0.1274 | 0.1263 | 0.1251 |
| 10 | 0.1198 | 0.1210 | 0.1219 | 0.1228 | 0.1235 | 0.1241 | 0.1245 | 0.1249 | 0.1250 | 0.1251 |
| 11 | 0.0991 | 0.1012 | 0.1031 | 0.1049 | 0.1067 | 0.1083 | 0.1098 | 0.1112 | 0.1125 | 0.1137 |
| 12 | 0.0752 | 0.0776 | 0.0799 | 0.0822 | 0.0844 | 0.0866 | 0.0888 | 0.0908 | 0.0928 | 0.0948 |
| 13 | 0.0526 | 0.0549 | 0.0572 | 0.0594 | 0.0617 | 0.0640 | 0.0662 | 0.0685 | 0.0707 | 0.0729 |
| 14 | 0.0342 | 0.0361 | 0.0380 | 0.0399 | 0.0419 | 0.0439 | 0.0459 | 0.0479 | 0.0500 | 0.0521 |
| 15 | 0.0208 | 0.0221 | 0.0235 | 0.0250 | 0.0265 | 0.0281 | 0.0297 | 0.0313 | 0.0330 | 0.0347 |
| 16 | 0.0118 | 0.0127 | 0.0137 | 0.0147 | 0.0157 | 0.0168 | 0.0180 | 0.0192 | 0.0204 | 0.0217 |
| 17 | 0.0063 | 0.0069 | 0.0075 | 0.0081 | 0.0088 | 0.0095 | 0.0103 | 0.0111 | 0.0119 | 0.0128 |
| 18 | 0.0032 | 0.0035 | 0.0039 | 0.0042 | 0.0046 | 0.0051 | 0.0055 | 0.0060 | 0.0065 | 0.0071 |
| 19 | 0.0015 | 0.0017 | 0.0019 | 0.0021 | 0.0023 | 0.0026 | 0.0028 | 0.0031 | 0.0034 | 0.0037 |
| 20 | 0.0007 | 0.0008 | 0.0009 | 0.0010 | 0.0011 | 0.0012 | 0.0014 | 0.0015 | 0.0017 | 0.0019 |
| 21 | 0.0003 | 0.0003 | 0.0004 | 0.0004 | 0.0005 | 0.0006 | 0.0006 | 0.0007 | 0.0008 | 0.0009 |
| 22 | 0.0001 | 0.0001 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0003 | 0.0003 | 0.0004 | 0.0004 |
| 23 | 0.0000 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0002 | 0.0002 |
| 24 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0001 |

m

| x | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 1 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2 | 0.0010 | 0.0004 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3 | 0.0037 | 0.0018 | 0.0008 | 0.0004 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |

| | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 4 | 0.0102 | 0.0053 | 0.0027 | 0.0013 | 0.0006 | 0.0003 | 0.0001 | 0.0001 | 0.0000 | 0.0000 |
| 5 | 0.0224 | 0.0127 | 0.0070 | 0.0037 | 0.0019 | 0.0010 | 0.0005 | 0.0002 | 0.0001 | 0.0001 |
| 6 | 0.0411 | 0.0255 | 0.0152 | 0.0087 | 0.0048 | 0.0026 | 0.0014 | 0.0007 | 0.0004 | 0.0002 |
| 7 | 0.0646 | 0.0437 | 0.0281 | 0.0174 | 0.0104 | 0.0060 | 0.0034 | 0.0019 | 0.0010 | 0.0005 |
| 8 | 0.0888 | 0.0655 | 0.0457 | 0.0304 | 0.0194 | 0.0120 | 0.0072 | 0.0042 | 0.0024 | 0.0013 |
| 9 | 0.1085 | 0.0874 | 0.0661 | 0.0473 | 0.0324 | 0.0213 | 0.0135 | 0.0083 | 0.0050 | 0.0029 |
| 10 | 0.1194 | 0.1048 | 0.0859 | 0.0663 | 0.0486 | 0.0341 | 0.0230 | 0.0150 | 0.0095 | 0.0058 |
| 11 | 0.1194 | 0.1144 | 0.1015 | 0.0844 | 0.0663 | 0.0496 | 0.0355 | 0.0245 | 0.0164 | 0.0106 |
| 12 | 0.1094 | 0.1144 | 0.1099 | 0.0984 | 0.0829 | 0.0661 | 0.0504 | 0.0368 | 0.0259 | 0.0176 |
| 13 | 0.0926 | 0.1056 | 0.1099 | 0.1060 | 0.0956 | 0.0814 | 0.0658 | 0.0509 | 0.0378 | 0.0271 |
| 14 | 0.0728 | 0.0905 | 0.1021 | 0.1060 | 0.1024 | 0.0930 | 0.0800 | 0.0655 | 0.0514 | 0.0387 |
| 15 | 0.0534 | 0.0724 | 0.0885 | 0.0989 | 0.1024 | 0.0992 | 0.0906 | 0.0786 | 0.0650 | 0.0516 |
| 16 | 0.0367 | 0.0543 | 0.0719 | 0.0866 | 0.0960 | 0.0992 | 0.0963 | 0.0884 | 0.0772 | 0.0646 |
| 17 | 0.0237 | 0.0383 | 0.0550 | 0.0713 | 0.0847 | 0.0934 | 0.0963 | 0.0936 | 0.0863 | 0.0760 |
| 18 | 0.0145 | 0.0255 | 0.0397 | 0.0554 | 0.0706 | 0.0830 | 0.0909 | 0.0936 | 0.0911 | 0.0844 |
| 19 | 0.0084 | 0.0161 | 0.0272 | 0.0409 | 0.0557 | 0.0699 | 0.0814 | 0.0887 | 0.0911 | 0.0888 |
| 20 | 0.0046 | 0.0097 | 0.0177 | 0.0286 | 0.0418 | 0.0559 | 0.0692 | 0.0798 | 0.0866 | 0.0888 |
| 21 | 0.0024 | 0.0055 | 0.0109 | 0.0191 | 0.0299 | 0.0426 | 0.0560 | 0.0684 | 0.0783 | 0.0846 |
| 22 | 0.0012 | 0.0030 | 0.0065 | 0.0121 | 0.0204 | 0.0310 | 0.0433 | 0.0560 | 0.0676 | 0.0769 |
| 23 | 0.0006 | 0.0016 | 0.0037 | 0.0074 | 0.0133 | 0.0216 | 0.0320 | 0.0438 | 0.0559 | 0.0669 |
| 24 | 0.0003 | 0.0008 | 0.0020 | 0.0043 | 0.0083 | 0.0144 | 0.0226 | 0.0328 | 0.0442 | 0.0557 |
| 25 | 0.0001 | 0.0004 | 0.0010 | 0.0024 | 0.0050 | 0.0092 | 0.0154 | 0.0237 | 0.0336 | 0.0446 |
| 26 | 0.0000 | 0.0002 | 0.0005 | 0.0013 | 0.0029 | 0.0057 | 0.0101 | 0.0164 | 0.0246 | 0.0343 |
| 27 | 0.0000 | 0.0001 | 0.0002 | 0.0007 | 0.0016 | 0.0034 | 0.0063 | 0.0109 | 0.0173 | 0.0254 |
| 28 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0009 | 0.0019 | 0.0038 | 0.0070 | 0.0117 | 0.0181 |
| 29 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0004 | 0.0011 | 0.0023 | 0.0044 | 0.0077 | 0.0125 |
| 30 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0006 | 0.0013 | 0.0026 | 0.0049 | 0.0083 |
| 31 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0007 | 0.0015 | 0.0030 | 0.0054 |
| 32 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0001 | 0.0004 | 0.0009 | 0.0018 | 0.0034 |
| 33 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0005 | 0.0010 | 0.0020 |
| 34 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0002 | 0.0006 | 0.0012 |
| 35 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0007 |

TABLA IV

| Función de Probabilidad Poisson (Acumulada) | | | | | | | | | | P(x≤x _i m=λ=nP) |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------|
| x | m=λ | | | | | | | | | |
| 0 | 0.9048 | 0.8187 | 0.7408 | 0.6703 | 0.6065 | 0.5488 | 0.4966 | 0.4493 | 0.4066 | 0.3679 |
| 1 | 0.9953 | 0.9825 | 0.9631 | 0.9384 | 0.9098 | 0.8781 | 0.8442 | 0.8088 | 0.7725 | 0.7358 |
| 2 | 0.9998 | 0.9989 | 0.9964 | 0.9921 | 0.9856 | 0.9769 | 0.9659 | 0.9526 | 0.9371 | 0.9197 |
| 3 | 1.0000 | 0.9999 | 0.9997 | 0.9992 | 0.9982 | 0.9966 | 0.9942 | 0.9909 | 0.9865 | 0.9810 |
| 4 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9998 | 0.9996 | 0.9992 | 0.9986 | 0.9977 | 0.9963 |
| 5 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9998 | 0.9997 | 0.9994 |
| 6 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 |
| 7 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| x | m | | | | | | | | | |
| 0 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2 |
| 1 | 0.3329 | 0.3012 | 0.2725 | 0.2466 | 0.2231 | 0.2019 | 0.1827 | 0.1653 | 0.1496 | 0.1353 |
| 2 | 0.6990 | 0.6626 | 0.6268 | 0.5918 | 0.5578 | 0.5249 | 0.4932 | 0.4628 | 0.4337 | 0.4060 |
| 3 | 0.9004 | 0.8795 | 0.8571 | 0.8335 | 0.8088 | 0.7834 | 0.7572 | 0.7306 | 0.7037 | 0.6767 |
| 4 | 0.9743 | 0.9662 | 0.9569 | 0.9463 | 0.9344 | 0.9212 | 0.9068 | 0.8913 | 0.8747 | 0.8571 |
| 5 | 0.9946 | 0.9923 | 0.9893 | 0.9857 | 0.9814 | 0.9763 | 0.9704 | 0.9636 | 0.9559 | 0.9473 |
| 6 | 0.9990 | 0.9985 | 0.9978 | 0.9968 | 0.9955 | 0.9940 | 0.9920 | 0.9896 | 0.9868 | 0.9834 |
| 7 | 0.9999 | 0.9997 | 0.9996 | 0.9994 | 0.9991 | 0.9987 | 0.9981 | 0.9974 | 0.9966 | 0.9955 |
| 8 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9998 | 0.9997 | 0.9996 | 0.9994 | 0.9992 | 0.9989 |
| 9 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9998 | 0.9998 |
| x | m | | | | | | | | | |
| 0 | 2.1 | 2.2 | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3 |
| 1 | 0.1225 | 0.1108 | 0.1003 | 0.0907 | 0.0821 | 0.0743 | 0.0672 | 0.0608 | 0.0550 | 0.0498 |
| 2 | 0.3796 | 0.3546 | 0.3309 | 0.3084 | 0.2873 | 0.2674 | 0.2487 | 0.2311 | 0.2146 | 0.1991 |
| 3 | 0.6496 | 0.6227 | 0.5960 | 0.5697 | 0.5438 | 0.5184 | 0.4936 | 0.4695 | 0.4460 | 0.4232 |
| 4 | 0.8386 | 0.8194 | 0.7993 | 0.7787 | 0.7576 | 0.7360 | 0.7141 | 0.6919 | 0.6696 | 0.6472 |
| 5 | 0.9379 | 0.9275 | 0.9162 | 0.9041 | 0.8912 | 0.8774 | 0.8629 | 0.8477 | 0.8318 | 0.8153 |
| 6 | 0.9796 | 0.9751 | 0.9700 | 0.9643 | 0.9580 | 0.9510 | 0.9433 | 0.9349 | 0.9258 | 0.9161 |
| 7 | 0.9941 | 0.9925 | 0.9906 | 0.9884 | 0.9858 | 0.9828 | 0.9794 | 0.9756 | 0.9713 | 0.9665 |
| 8 | 0.9985 | 0.9980 | 0.9974 | 0.9967 | 0.9958 | 0.9947 | 0.9934 | 0.9919 | 0.9901 | 0.9881 |
| 9 | 0.9997 | 0.9995 | 0.9994 | 0.9991 | 0.9989 | 0.9985 | 0.9981 | 0.9976 | 0.9969 | 0.9962 |
| 10 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9997 | 0.9996 | 0.9995 | 0.9993 | 0.9991 | 0.9989 |
| 11 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9997 |
| 12 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| x | m | | | | | | | | | |
| 0 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4 |
| 1 | 0.0450 | 0.0408 | 0.0369 | 0.0334 | 0.0302 | 0.0273 | 0.0247 | 0.0224 | 0.0202 | 0.0183 |
| 2 | 0.1847 | 0.1712 | 0.1586 | 0.1468 | 0.1359 | 0.1257 | 0.1162 | 0.1074 | 0.0992 | 0.0916 |
| 3 | 0.4012 | 0.3799 | 0.3594 | 0.3397 | 0.3208 | 0.3027 | 0.2854 | 0.2689 | 0.2531 | 0.2381 |
| 4 | 0.6248 | 0.6025 | 0.5803 | 0.5584 | 0.5366 | 0.5152 | 0.4942 | 0.4735 | 0.4532 | 0.4335 |
| 5 | 0.7982 | 0.7806 | 0.7626 | 0.7442 | 0.7254 | 0.7064 | 0.6872 | 0.6678 | 0.6484 | 0.6288 |
| 6 | 0.9057 | 0.8946 | 0.8829 | 0.8705 | 0.8576 | 0.8441 | 0.8301 | 0.8156 | 0.8006 | 0.7851 |
| 7 | 0.9612 | 0.9554 | 0.9490 | 0.9421 | 0.9347 | 0.9267 | 0.9182 | 0.9091 | 0.8995 | 0.8893 |
| 8 | 0.9858 | 0.9832 | 0.9802 | 0.9769 | 0.9733 | 0.9692 | 0.9648 | 0.9599 | 0.9546 | 0.9489 |
| 9 | 0.9953 | 0.9943 | 0.9931 | 0.9917 | 0.9901 | 0.9883 | 0.9863 | 0.9840 | 0.9815 | 0.9786 |
| 10 | 0.9986 | 0.9982 | 0.9978 | 0.9973 | 0.9967 | 0.9960 | 0.9952 | 0.9942 | 0.9931 | 0.9919 |
| 11 | 0.9996 | 0.9995 | 0.9994 | 0.9992 | 0.9990 | 0.9987 | 0.9984 | 0.9981 | 0.9977 | 0.9972 |
| 12 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9997 | 0.9996 | 0.9995 | 0.9994 | 0.9993 | 0.9991 |
| 13 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9997 |

| | | | | | | | | | | |
|----|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 13 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 |
| 14 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

TABLA IV

Función de Probabilidad Poisson (Acumulada) $P(x \leq x_i; m = \lambda = nP)$

| x | $m = \lambda$ | | | | | | | | | |
|----|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 | 4.7 | 4.8 | 4.9 | 5 |
| 0 | 0.0166 | 0.0150 | 0.0136 | 0.0123 | 0.0111 | 0.0101 | 0.0091 | 0.0082 | 0.0074 | 0.0067 |
| 1 | 0.0845 | 0.0780 | 0.0719 | 0.0663 | 0.0611 | 0.0563 | 0.0518 | 0.0477 | 0.0439 | 0.0404 |
| 2 | 0.2238 | 0.2102 | 0.1974 | 0.1851 | 0.1736 | 0.1626 | 0.1523 | 0.1425 | 0.1333 | 0.1247 |
| 3 | 0.4142 | 0.3954 | 0.3772 | 0.3594 | 0.3423 | 0.3257 | 0.3097 | 0.2942 | 0.2793 | 0.2650 |
| 4 | 0.6093 | 0.5898 | 0.5704 | 0.5512 | 0.5321 | 0.5132 | 0.4946 | 0.4763 | 0.4582 | 0.4405 |
| 5 | 0.7693 | 0.7531 | 0.7367 | 0.7199 | 0.7029 | 0.6858 | 0.6684 | 0.6510 | 0.6335 | 0.6160 |
| 6 | 0.8786 | 0.8675 | 0.8558 | 0.8436 | 0.8311 | 0.8180 | 0.8046 | 0.7908 | 0.7767 | 0.7622 |
| 7 | 0.9427 | 0.9361 | 0.9290 | 0.9214 | 0.9134 | 0.9049 | 0.8960 | 0.8867 | 0.8769 | 0.8666 |
| 8 | 0.9755 | 0.9721 | 0.9683 | 0.9642 | 0.9597 | 0.9549 | 0.9497 | 0.9442 | 0.9382 | 0.9319 |
| 9 | 0.9905 | 0.9889 | 0.9871 | 0.9851 | 0.9829 | 0.9805 | 0.9778 | 0.9749 | 0.9717 | 0.9682 |
| 10 | 0.9966 | 0.9959 | 0.9952 | 0.9943 | 0.9933 | 0.9922 | 0.9910 | 0.9896 | 0.9880 | 0.9863 |
| 11 | 0.9989 | 0.9986 | 0.9983 | 0.9980 | 0.9976 | 0.9971 | 0.9966 | 0.9960 | 0.9953 | 0.9945 |
| 12 | 0.9997 | 0.9996 | 0.9995 | 0.9993 | 0.9992 | 0.9990 | 0.9988 | 0.9986 | 0.9983 | 0.9980 |
| 13 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9997 | 0.9997 | 0.9996 | 0.9995 | 0.9994 | 0.9993 |
| 14 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 |
| 15 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 |
| 16 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| x | 5.1 | 5.2 | 5.3 | 5.4 | 5.5 | 5.6 | 5.7 | 5.8 | 5.9 | 6 |
| 0 | 0.0061 | 0.0055 | 0.0050 | 0.0045 | 0.0041 | 0.0037 | 0.0033 | 0.0030 | 0.0027 | 0.0025 |
| 1 | 0.0372 | 0.0342 | 0.0314 | 0.0289 | 0.0266 | 0.0244 | 0.0224 | 0.0206 | 0.0189 | 0.0174 |
| 2 | 0.1165 | 0.1088 | 0.1016 | 0.0948 | 0.0884 | 0.0824 | 0.0768 | 0.0715 | 0.0666 | 0.0620 |
| 3 | 0.2513 | 0.2381 | 0.2254 | 0.2133 | 0.2017 | 0.1906 | 0.1800 | 0.1700 | 0.1604 | 0.1512 |
| 4 | 0.4231 | 0.4061 | 0.3895 | 0.3733 | 0.3575 | 0.3422 | 0.3272 | 0.3127 | 0.2987 | 0.2851 |
| 5 | 0.5984 | 0.5809 | 0.5635 | 0.5461 | 0.5289 | 0.5119 | 0.4950 | 0.4783 | 0.4619 | 0.4457 |
| 6 | 0.7474 | 0.7324 | 0.7171 | 0.7017 | 0.6860 | 0.6703 | 0.6544 | 0.6384 | 0.6224 | 0.6063 |
| 7 | 0.8560 | 0.8449 | 0.8335 | 0.8217 | 0.8095 | 0.7970 | 0.7841 | 0.7710 | 0.7576 | 0.7440 |
| 8 | 0.9252 | 0.9181 | 0.9106 | 0.9027 | 0.8944 | 0.8857 | 0.8766 | 0.8672 | 0.8574 | 0.8472 |
| 9 | 0.9644 | 0.9603 | 0.9559 | 0.9512 | 0.9462 | 0.9409 | 0.9352 | 0.9292 | 0.9228 | 0.9161 |
| 10 | 0.9844 | 0.9823 | 0.9800 | 0.9775 | 0.9747 | 0.9718 | 0.9686 | 0.9651 | 0.9614 | 0.9574 |
| 11 | 0.9937 | 0.9927 | 0.9916 | 0.9904 | 0.9890 | 0.9875 | 0.9859 | 0.9841 | 0.9821 | 0.9799 |
| 12 | 0.9976 | 0.9972 | 0.9967 | 0.9962 | 0.9955 | 0.9949 | 0.9941 | 0.9932 | 0.9922 | 0.9912 |
| 13 | 0.9992 | 0.9990 | 0.9988 | 0.9986 | 0.9983 | 0.9980 | 0.9977 | 0.9973 | 0.9969 | 0.9964 |
| 14 | 0.9997 | 0.9997 | 0.9996 | 0.9995 | 0.9994 | 0.9993 | 0.9991 | 0.9990 | 0.9988 | 0.9986 |
| 15 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9998 | 0.9997 | 0.9996 | 0.9996 | 0.9995 |
| 16 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9998 |
| 17 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 |
| 18 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| x | 6.1 | 6.2 | 6.3 | 6.4 | 6.5 | 6.6 | 6.7 | 6.8 | 6.9 | 7 |
| 0 | 0.0022 | 0.0020 | 0.0018 | 0.0017 | 0.0015 | 0.0014 | 0.0012 | 0.0011 | 0.0010 | 0.0009 |
| 1 | 0.0159 | 0.0146 | 0.0134 | 0.0123 | 0.0113 | 0.0103 | 0.0095 | 0.0087 | 0.0080 | 0.0073 |
| 2 | 0.0577 | 0.0536 | 0.0498 | 0.0463 | 0.0430 | 0.0400 | 0.0371 | 0.0344 | 0.0320 | 0.0296 |
| 3 | 0.1425 | 0.1342 | 0.1264 | 0.1189 | 0.1118 | 0.1052 | 0.0988 | 0.0928 | 0.0871 | 0.0818 |
| 4 | 0.2719 | 0.2592 | 0.2469 | 0.2351 | 0.2237 | 0.2127 | 0.2022 | 0.1920 | 0.1823 | 0.1730 |
| 5 | 0.4298 | 0.4141 | 0.3988 | 0.3837 | 0.3690 | 0.3547 | 0.3406 | 0.3270 | 0.3137 | 0.3007 |
| 6 | 0.5902 | 0.5742 | 0.5582 | 0.5423 | 0.5265 | 0.5108 | 0.4953 | 0.4799 | 0.4647 | 0.4497 |
| 7 | 0.7301 | 0.7160 | 0.7017 | 0.6873 | 0.6728 | 0.6581 | 0.6433 | 0.6285 | 0.6136 | 0.5987 |
| 8 | 0.8367 | 0.8259 | 0.8148 | 0.8033 | 0.7916 | 0.7796 | 0.7673 | 0.7548 | 0.7420 | 0.7291 |
| 9 | 0.9090 | 0.9016 | 0.8939 | 0.8858 | 0.8774 | 0.8686 | 0.8596 | 0.8502 | 0.8405 | 0.8305 |
| 10 | 0.9531 | 0.9486 | 0.9437 | 0.9386 | 0.9332 | 0.9274 | 0.9214 | 0.9151 | 0.9084 | 0.9015 |

| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 11 | 0.9776 | 0.9750 | 0.9723 | 0.9693 | 0.9661 | 0.9627 | 0.9591 | 0.9552 | 0.9510 | 0.9467 |
| 12 | 0.9900 | 0.9887 | 0.9873 | 0.9857 | 0.9840 | 0.9821 | 0.9801 | 0.9779 | 0.9755 | 0.9730 |
| 13 | 0.9958 | 0.9952 | 0.9945 | 0.9937 | 0.9929 | 0.9920 | 0.9909 | 0.9898 | 0.9885 | 0.9872 |
| 14 | 0.9984 | 0.9981 | 0.9978 | 0.9974 | 0.9970 | 0.9966 | 0.9961 | 0.9956 | 0.9950 | 0.9943 |
| 15 | 0.9994 | 0.9993 | 0.9992 | 0.9990 | 0.9988 | 0.9986 | 0.9984 | 0.9982 | 0.9979 | 0.9976 |
| 16 | 0.9998 | 0.9997 | 0.9997 | 0.9996 | 0.9996 | 0.9995 | 0.9994 | 0.9993 | 0.9992 | 0.9990 |
| 17 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9998 | 0.9997 | 0.9997 | 0.9996 |
| 18 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 |
| 19 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |

TABLA IV

| Función de Probabilidad Poisson (Acumulada) | | | | | | | | | | P(x≤x _i m=λ=nP) | |
|---|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------------------------|----------------------------|
| x | m=λ | | | | | | | | | | P(x≤x _i m=λ=nP) |
| | 7.1 | 7.2 | 7.3 | 7.4 | 7.5 | 7.6 | 7.7 | 7.8 | 7.9 | 8 | |
| 0 | 0.0008 | 0.0007 | 0.0007 | 0.0006 | 0.0006 | 0.0005 | 0.0005 | 0.0004 | 0.0004 | 0.0003 | 0.0003 |
| 1 | 0.0067 | 0.0061 | 0.0056 | 0.0051 | 0.0047 | 0.0043 | 0.0039 | 0.0036 | 0.0033 | 0.0030 | 0.0030 |
| 2 | 0.0275 | 0.0255 | 0.0236 | 0.0219 | 0.0203 | 0.0188 | 0.0174 | 0.0161 | 0.0149 | 0.0138 | 0.0138 |
| 3 | 0.0767 | 0.0719 | 0.0674 | 0.0632 | 0.0591 | 0.0554 | 0.0518 | 0.0485 | 0.0453 | 0.0424 | 0.0424 |
| 4 | 0.1641 | 0.1555 | 0.1473 | 0.1395 | 0.1321 | 0.1249 | 0.1181 | 0.1117 | 0.1055 | 0.0996 | 0.0996 |
| 5 | 0.2881 | 0.2759 | 0.2640 | 0.2526 | 0.2414 | 0.2307 | 0.2203 | 0.2103 | 0.2006 | 0.1912 | 0.1912 |
| 6 | 0.4349 | 0.4204 | 0.4060 | 0.3920 | 0.3782 | 0.3646 | 0.3514 | 0.3384 | 0.3257 | 0.3134 | 0.3134 |
| 7 | 0.5838 | 0.5689 | 0.5541 | 0.5393 | 0.5246 | 0.5100 | 0.4956 | 0.4812 | 0.4670 | 0.4530 | 0.4530 |
| 8 | 0.7160 | 0.7027 | 0.6892 | 0.6757 | 0.6620 | 0.6482 | 0.6343 | 0.6204 | 0.6065 | 0.5925 | 0.5925 |
| 9 | 0.8202 | 0.8096 | 0.7988 | 0.7877 | 0.7764 | 0.7649 | 0.7531 | 0.7411 | 0.7290 | 0.7166 | 0.7166 |
| 10 | 0.8942 | 0.8867 | 0.8788 | 0.8707 | 0.8622 | 0.8535 | 0.8445 | 0.8352 | 0.8257 | 0.8159 | 0.8159 |
| 11 | 0.9420 | 0.9371 | 0.9319 | 0.9265 | 0.9208 | 0.9148 | 0.9085 | 0.9020 | 0.8952 | 0.8881 | 0.8881 |
| 12 | 0.9703 | 0.9673 | 0.9642 | 0.9609 | 0.9573 | 0.9536 | 0.9496 | 0.9454 | 0.9409 | 0.9362 | 0.9362 |
| 13 | 0.9857 | 0.9841 | 0.9824 | 0.9805 | 0.9784 | 0.9762 | 0.9739 | 0.9714 | 0.9687 | 0.9658 | 0.9658 |
| 14 | 0.9935 | 0.9927 | 0.9918 | 0.9908 | 0.9897 | 0.9886 | 0.9873 | 0.9859 | 0.9844 | 0.9827 | 0.9827 |
| 15 | 0.9972 | 0.9969 | 0.9964 | 0.9959 | 0.9954 | 0.9948 | 0.9941 | 0.9934 | 0.9926 | 0.9918 | 0.9918 |
| 16 | 0.9989 | 0.9987 | 0.9985 | 0.9983 | 0.9980 | 0.9978 | 0.9974 | 0.9971 | 0.9967 | 0.9963 | 0.9963 |
| 17 | 0.9996 | 0.9995 | 0.9994 | 0.9993 | 0.9992 | 0.9991 | 0.9989 | 0.9988 | 0.9986 | 0.9984 | 0.9984 |
| 18 | 0.9998 | 0.9998 | 0.9998 | 0.9997 | 0.9997 | 0.9996 | 0.9996 | 0.9995 | 0.9994 | 0.9993 | 0.9993 |
| 19 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9998 | 0.9997 | 0.9997 |
| 20 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 |
| 21 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| x | m | | | | | | | | | | m |
| x | 8.1 | 8.2 | 8.3 | 8.4 | 8.5 | 8.6 | 8.7 | 8.8 | 8.9 | 9 | |
| 0 | 0.0003 | 0.0003 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0002 | 0.0001 | 0.0001 | 0.0001 |
| 1 | 0.0028 | 0.0025 | 0.0023 | 0.0021 | 0.0019 | 0.0018 | 0.0016 | 0.0015 | 0.0014 | 0.0012 | 0.0012 |
| 2 | 0.0127 | 0.0118 | 0.0109 | 0.0100 | 0.0093 | 0.0086 | 0.0079 | 0.0073 | 0.0068 | 0.0062 | 0.0062 |
| 3 | 0.0396 | 0.0370 | 0.0346 | 0.0323 | 0.0301 | 0.0281 | 0.0262 | 0.0244 | 0.0228 | 0.0212 | 0.0212 |
| 4 | 0.0940 | 0.0887 | 0.0837 | 0.0789 | 0.0744 | 0.0701 | 0.0660 | 0.0621 | 0.0584 | 0.0550 | 0.0550 |
| 5 | 0.1822 | 0.1736 | 0.1653 | 0.1573 | 0.1496 | 0.1422 | 0.1352 | 0.1284 | 0.1219 | 0.1157 | 0.1157 |
| 6 | 0.3013 | 0.2896 | 0.2781 | 0.2670 | 0.2562 | 0.2457 | 0.2355 | 0.2256 | 0.2160 | 0.2068 | 0.2068 |
| 7 | 0.4391 | 0.4254 | 0.4119 | 0.3987 | 0.3856 | 0.3728 | 0.3602 | 0.3478 | 0.3357 | 0.3239 | 0.3239 |
| 8 | 0.5786 | 0.5647 | 0.5507 | 0.5369 | 0.5231 | 0.5094 | 0.4958 | 0.4823 | 0.4689 | 0.4557 | 0.4557 |
| 9 | 0.7041 | 0.6915 | 0.6788 | 0.6659 | 0.6530 | 0.6400 | 0.6269 | 0.6137 | 0.6006 | 0.5874 | 0.5874 |
| 10 | 0.8058 | 0.7955 | 0.7850 | 0.7743 | 0.7634 | 0.7522 | 0.7409 | 0.7294 | 0.7178 | 0.7060 | 0.7060 |
| 11 | 0.8807 | 0.8731 | 0.8652 | 0.8571 | 0.8487 | 0.8400 | 0.8311 | 0.8220 | 0.8126 | 0.8030 | 0.8030 |
| 12 | 0.9313 | 0.9261 | 0.9207 | 0.9150 | 0.9091 | 0.9029 | 0.8965 | 0.8898 | 0.8829 | 0.8758 | 0.8758 |
| 13 | 0.9628 | 0.9595 | 0.9561 | 0.9524 | 0.9486 | 0.9445 | 0.9403 | 0.9358 | 0.9311 | 0.9261 | 0.9261 |
| 14 | 0.9810 | 0.9791 | 0.9771 | 0.9749 | 0.9726 | 0.9701 | 0.9675 | 0.9647 | 0.9617 | 0.9585 | 0.9585 |
| 15 | 0.9908 | 0.9898 | 0.9887 | 0.9875 | 0.9862 | 0.9848 | 0.9832 | 0.9816 | 0.9798 | 0.9780 | 0.9780 |
| 16 | 0.9958 | 0.9953 | 0.9947 | 0.9941 | 0.9934 | 0.9926 | 0.9918 | 0.9909 | 0.9899 | 0.9889 | 0.9889 |
| 17 | 0.9982 | 0.9979 | 0.9977 | 0.9973 | 0.9970 | 0.9966 | 0.9962 | 0.9957 | 0.9952 | 0.9947 | 0.9947 |
| 18 | 0.9992 | 0.9991 | 0.9990 | 0.9989 | 0.9987 | 0.9985 | 0.9983 | 0.9981 | 0.9978 | 0.9976 | 0.9976 |
| 19 | 0.9997 | 0.9997 | 0.9996 | 0.9995 | 0.9995 | 0.9994 | 0.9993 | 0.9992 | 0.9991 | 0.9989 | 0.9989 |
| 20 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9998 | 0.9998 | 0.9997 | 0.9997 | 0.9996 | 0.9996 | 0.9996 |
| 21 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9998 |
| 22 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 |
| 23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| x | m | | | | | | | | | | m |
| x | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10 | |
| 0 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0000 | 0.0000 |
| 1 | 0.0011 | 0.0010 | 0.0009 | 0.0009 | 0.0008 | 0.0007 | 0.0007 | 0.0006 | 0.0005 | 0.0005 | 0.0005 |
| 2 | 0.0058 | 0.0053 | 0.0049 | 0.0045 | 0.0042 | 0.0038 | 0.0035 | 0.0033 | 0.0030 | 0.0028 | 0.0028 |

| | | | | | | | | | | |
|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 3 | 0.0198 | 0.0184 | 0.0172 | 0.0160 | 0.0149 | 0.0138 | 0.0129 | 0.0120 | 0.0111 | 0.0103 |
| 4 | 0.0517 | 0.0486 | 0.0456 | 0.0429 | 0.0403 | 0.0378 | 0.0355 | 0.0333 | 0.0312 | 0.0293 |
| 5 | 0.1098 | 0.1041 | 0.0986 | 0.0935 | 0.0885 | 0.0838 | 0.0793 | 0.0750 | 0.0710 | 0.0671 |

TABLA IV

Función de Probabilidad Poisson (Acumulada)

$P(x \leq x_i, m = \lambda = nP)$

| x | $m = \lambda$ | | | | | | | | | |
|-----------|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | 9.1 | 9.2 | 9.3 | 9.4 | 9.5 | 9.6 | 9.7 | 9.8 | 9.9 | 10 |
| 6 | 0.1978 | 0.1892 | 0.1808 | 0.1727 | 0.1649 | 0.1574 | 0.1502 | 0.1433 | 0.1366 | 0.1301 |
| 7 | 0.3123 | 0.3010 | 0.2900 | 0.2792 | 0.2687 | 0.2584 | 0.2485 | 0.2388 | 0.2294 | 0.2202 |
| 8 | 0.4426 | 0.4296 | 0.4168 | 0.4042 | 0.3918 | 0.3796 | 0.3676 | 0.3558 | 0.3442 | 0.3328 |
| 9 | 0.5742 | 0.5611 | 0.5479 | 0.5349 | 0.5218 | 0.5089 | 0.4960 | 0.4832 | 0.4705 | 0.4579 |
| 10 | 0.6941 | 0.6820 | 0.6699 | 0.6576 | 0.6453 | 0.6329 | 0.6205 | 0.6080 | 0.5955 | 0.5830 |
| 11 | 0.7932 | 0.7832 | 0.7730 | 0.7626 | 0.7520 | 0.7412 | 0.7303 | 0.7193 | 0.7081 | 0.6968 |
| 12 | 0.8684 | 0.8607 | 0.8529 | 0.8448 | 0.8364 | 0.8279 | 0.8191 | 0.8101 | 0.8009 | 0.7916 |
| 13 | 0.9210 | 0.9156 | 0.9100 | 0.9042 | 0.8981 | 0.8919 | 0.8853 | 0.8786 | 0.8716 | 0.8645 |
| 14 | 0.9552 | 0.9517 | 0.9480 | 0.9441 | 0.9400 | 0.9357 | 0.9312 | 0.9265 | 0.9216 | 0.9165 |
| 15 | 0.9760 | 0.9738 | 0.9715 | 0.9691 | 0.9665 | 0.9638 | 0.9609 | 0.9579 | 0.9546 | 0.9513 |
| 16 | 0.9878 | 0.9865 | 0.9852 | 0.9838 | 0.9823 | 0.9806 | 0.9789 | 0.9770 | 0.9751 | 0.9730 |
| 17 | 0.9941 | 0.9934 | 0.9927 | 0.9919 | 0.9911 | 0.9902 | 0.9892 | 0.9881 | 0.9870 | 0.9857 |
| 18 | 0.9973 | 0.9969 | 0.9966 | 0.9962 | 0.9957 | 0.9952 | 0.9947 | 0.9941 | 0.9935 | 0.9928 |
| 19 | 0.9988 | 0.9986 | 0.9985 | 0.9983 | 0.9980 | 0.9978 | 0.9975 | 0.9972 | 0.9969 | 0.9965 |
| 20 | 0.9995 | 0.9994 | 0.9993 | 0.9992 | 0.9991 | 0.9990 | 0.9989 | 0.9987 | 0.9986 | 0.9984 |
| 21 | 0.9998 | 0.9998 | 0.9997 | 0.9997 | 0.9996 | 0.9996 | 0.9995 | 0.9995 | 0.9994 | 0.9993 |
| 22 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9998 | 0.9998 | 0.9998 | 0.9997 | 0.9997 |
| 23 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 | 0.9999 |
| 24 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 |
| x | m | | | | | | | | | |
| x | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| 0 | | | | | | | | | | |
| 1 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 2 | 0.0012 | 0.0005 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 3 | 0.0049 | 0.0023 | 0.0011 | 0.0005 | 0.0002 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| 4 | 0.0151 | 0.0076 | 0.0037 | 0.0018 | 0.0009 | 0.0004 | 0.0002 | 0.0001 | 0.0000 | 0.0000 |
| 5 | 0.0375 | 0.0203 | 0.0107 | 0.0055 | 0.0028 | 0.0014 | 0.0007 | 0.0003 | 0.0002 | 0.0001 |
| 6 | 0.0786 | 0.0458 | 0.0259 | 0.0142 | 0.0076 | 0.0040 | 0.0021 | 0.0010 | 0.0005 | 0.0003 |
| 7 | 0.1432 | 0.0895 | 0.0540 | 0.0316 | 0.0180 | 0.0100 | 0.0054 | 0.0029 | 0.0015 | 0.0008 |
| 8 | 0.2320 | 0.1550 | 0.0998 | 0.0621 | 0.0374 | 0.0220 | 0.0126 | 0.0071 | 0.0039 | 0.0021 |
| 9 | 0.3405 | 0.2424 | 0.1658 | 0.1094 | 0.0699 | 0.0433 | 0.0261 | 0.0154 | 0.0089 | 0.0050 |
| 10 | 0.4599 | 0.3472 | 0.2517 | 0.1757 | 0.1185 | 0.0774 | 0.0491 | 0.0304 | 0.0183 | 0.0108 |
| 11 | 0.5793 | 0.4616 | 0.3532 | 0.2600 | 0.1848 | 0.1270 | 0.0847 | 0.0549 | 0.0347 | 0.0214 |
| 12 | 0.6887 | 0.5760 | 0.4631 | 0.3585 | 0.2676 | 0.1931 | 0.1350 | 0.0917 | 0.0606 | 0.0390 |
| 13 | 0.7813 | 0.6815 | 0.5730 | 0.4644 | 0.3632 | 0.2745 | 0.2009 | 0.1426 | 0.0984 | 0.0661 |
| 14 | 0.8540 | 0.7720 | 0.6751 | 0.5704 | 0.4657 | 0.3675 | 0.2808 | 0.2081 | 0.1497 | 0.1049 |
| 15 | 0.9074 | 0.8444 | 0.7636 | 0.6694 | 0.5681 | 0.4667 | 0.3715 | 0.2867 | 0.2148 | 0.1565 |
| 16 | 0.9441 | 0.8987 | 0.8355 | 0.7559 | 0.6641 | 0.5660 | 0.4677 | 0.3751 | 0.2920 | 0.2211 |
| 17 | 0.9678 | 0.9370 | 0.8905 | 0.8272 | 0.7489 | 0.6593 | 0.5640 | 0.4686 | 0.3784 | 0.2970 |
| 18 | 0.9823 | 0.9626 | 0.9302 | 0.8826 | 0.8195 | 0.7423 | 0.6550 | 0.5622 | 0.4695 | 0.3814 |
| 19 | 0.9907 | 0.9787 | 0.9573 | 0.9235 | 0.8752 | 0.8122 | 0.7363 | 0.6509 | 0.5606 | 0.4703 |
| 20 | 0.9953 | 0.9884 | 0.9750 | 0.9521 | 0.9170 | 0.8682 | 0.8055 | 0.7307 | 0.6472 | 0.5591 |
| 21 | 0.9977 | 0.9939 | 0.9859 | 0.9712 | 0.9469 | 0.9108 | 0.8615 | 0.7991 | 0.7255 | 0.6437 |
| 22 | 0.9990 | 0.9970 | 0.9924 | 0.9833 | 0.9673 | 0.9418 | 0.9047 | 0.8551 | 0.7931 | 0.7206 |
| 23 | 0.9995 | 0.9985 | 0.9960 | 0.9907 | 0.9805 | 0.9633 | 0.9367 | 0.8989 | 0.8490 | 0.7875 |
| 24 | 0.9998 | 0.9993 | 0.9980 | 0.9950 | 0.9888 | 0.9777 | 0.9594 | 0.9317 | 0.8933 | 0.8432 |
| 25 | 0.9999 | 0.9997 | 0.9990 | 0.9974 | 0.9938 | 0.9869 | 0.9748 | 0.9554 | 0.9269 | 0.8878 |
| 26 | 1.0000 | 0.9999 | 0.9995 | 0.9987 | 0.9967 | 0.9925 | 0.9848 | 0.9718 | 0.9514 | 0.9221 |
| 27 | 1.0000 | 0.9999 | 0.9998 | 0.9994 | 0.9983 | 0.9959 | 0.9912 | 0.9827 | 0.9687 | 0.9475 |
| 28 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9991 | 0.9978 | 0.9950 | 0.9897 | 0.9805 | 0.9657 |
| 29 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9996 | 0.9989 | 0.9973 | 0.9941 | 0.9882 | 0.9782 |

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| | | | | | | | | | | |
|-----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 30 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9998 | 0.9994 | 0.9986 | 0.9967 | 0.9930 | 0.9865 |
| 31 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9993 | 0.9982 | 0.9960 | 0.9919 |
| 32 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9996 | 0.9990 | 0.9978 | 0.9953 |
| 33 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9998 | 0.9995 | 0.9988 | 0.9973 |
| 34 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9998 | 0.9994 | 0.9985 |
| 35 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9999 | 0.9997 | 0.9992 |

TABLA V: DISTRIBUCIÓN HIPERGEOMÉTRICA

| N | n | X | x_i | $P(x \leq x_i)$ | $p(x = x_i)$ | N | n | X | x_i | $P(x \leq x_i)$ | $p(x = x_i)$ |
|-----|-----|-----|-------|-----------------|--------------|-----|-----|-----|-------|-----------------|--------------|
| 10 | 1 | 1 | 0 | 0,900000 | 0,900000 | 10 | 5 | 3 | 0 | 0,083333 | 0,083333 |
| 10 | 1 | 1 | 1 | 1,000000 | 0,100000 | 10 | 5 | 3 | 1 | 0,500000 | 0,416667 |
| | | | | | | 10 | 5 | 3 | 2 | 0,916667 | 0,416667 |
| 10 | 2 | 1 | 0 | 0,800000 | 0,800000 | 10 | 5 | 3 | 3 | 1,000000 | 0,083333 |
| 10 | 2 | 1 | 1 | 1,000000 | 0,200000 | 10 | 5 | 4 | 0 | 0,023810 | 0,023810 |
| 10 | 2 | 2 | 0 | 0,622222 | 0,622222 | 10 | 5 | 4 | 1 | 0,261905 | 0,238095 |
| 10 | 2 | 2 | 1 | 0,977778 | 0,355556 | 10 | 5 | 4 | 2 | 0,738095 | 0,476190 |
| 10 | 2 | 2 | 2 | 1,000000 | 0,022222 | 10 | 5 | 4 | 3 | 0,976190 | 0,238095 |
| | | | | | | 10 | 5 | 4 | 4 | 1,000000 | 0,023810 |
| 10 | 3 | 1 | 0 | 0,700000 | 0,700000 | 10 | 5 | 5 | 0 | 0,003968 | 0,003968 |
| 10 | 3 | 1 | 1 | 1,000000 | 0,300000 | 10 | 5 | 5 | 1 | 0,103175 | 0,099206 |
| 10 | 3 | 2 | 0 | 0,466667 | 0,466667 | 10 | 5 | 5 | 2 | 0,500000 | 0,396825 |
| 10 | 3 | 2 | 1 | 0,933333 | 0,466667 | 10 | 5 | 5 | 3 | 0,896825 | 0,396825 |
| 10 | 3 | 2 | 2 | 1,000000 | 0,066667 | 10 | 5 | 5 | 4 | 0,996032 | 0,099206 |
| 10 | 3 | 3 | 0 | 0,291667 | 0,291667 | 10 | 5 | 5 | 5 | 1,000000 | 0,003968 |
| 10 | 3 | 3 | 1 | 0,816667 | 0,525000 | | | | | | |
| 10 | 3 | 3 | 2 | 0,991667 | 0,175000 | 10 | 6 | 1 | 0 | 0,400000 | 0,400000 |
| 10 | 3 | 3 | 3 | 1,000000 | 0,008333 | 10 | 6 | 1 | 1 | 1,000000 | 0,600000 |
| | | | | | | 10 | 6 | 2 | 0 | 0,133333 | 0,133333 |
| 10 | 4 | 1 | 0 | 0,600000 | 0,600000 | 10 | 6 | 2 | 1 | 0,666667 | 0,533333 |
| 10 | 4 | 1 | 1 | 1,000000 | 0,400000 | 10 | 6 | 2 | 2 | 1,000000 | 0,333333 |
| 10 | 4 | 2 | 0 | 0,333333 | 0,333333 | 10 | 6 | 3 | 0 | 0,033333 | 0,033333 |
| 10 | 4 | 2 | 1 | 0,866667 | 0,533333 | 10 | 6 | 3 | 1 | 0,333333 | 0,300000 |
| 10 | 4 | 2 | 2 | 1,000000 | 0,133333 | 10 | 6 | 3 | 2 | 0,833333 | 0,500000 |
| 10 | 4 | 3 | 0 | 0,166667 | 0,166667 | 10 | 6 | 3 | 3 | 1,000000 | 0,166667 |
| 10 | 4 | 3 | 1 | 0,666667 | 0,500000 | 10 | 6 | 4 | 0 | 0,004762 | 0,004762 |
| 10 | 4 | 3 | 2 | 0,966667 | 0,300000 | 10 | 6 | 4 | 1 | 0,119048 | 0,114286 |
| 10 | 4 | 3 | 3 | 1,000000 | 0,033333 | 10 | 6 | 4 | 2 | 0,547619 | 0,428571 |
| 10 | 4 | 4 | 0 | 0,071429 | 0,071429 | 10 | 6 | 4 | 3 | 0,928571 | 0,380952 |
| 10 | 4 | 4 | 1 | 0,452381 | 0,380952 | 10 | 6 | 4 | 4 | 1,000000 | 0,071429 |
| 10 | 4 | 4 | 2 | 0,880952 | 0,428571 | 10 | 6 | 5 | 1 | 0,023810 | 0,023810 |
| 10 | 4 | 4 | 3 | 0,995238 | 0,114286 | 10 | 6 | 5 | 2 | 0,261905 | 0,238095 |
| 10 | 4 | 4 | 4 | 1,000000 | 0,004762 | 10 | 6 | 5 | 3 | 0,738095 | 0,476190 |
| | | | | | | 10 | 6 | 5 | 4 | 0,976190 | 0,238095 |
| 10 | 5 | 1 | 0 | 0,500000 | 0,500000 | 10 | 6 | 5 | 5 | 1,000000 | 0,023810 |
| 10 | 5 | 1 | 1 | 1,000000 | 0,500000 | 10 | 6 | 6 | 2 | 0,071429 | 0,071429 |
| 10 | 5 | 2 | 0 | 0,222222 | 0,222222 | | | | | | |
| 10 | 5 | 2 | 1 | 0,777778 | 0,555556 | | | | | | |
| 10 | 5 | 2 | 2 | 1,000000 | 0,222222 | | | | | | |

**TECNICATURA UNIVERSITARIA
EN PROGRAMACIÓN
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| N | n | X | x ⁱ | P(x ≤ x ⁱ) | p(x = x ⁱ) |
|----|---|---|----------------|------------------------|------------------------|
| 10 | 6 | 6 | 3 | 0,452381 | 0,380952 |
| 10 | 6 | 6 | 4 | 0,880952 | 0,428571 |
| 10 | 6 | 6 | 5 | 0,995238 | 0,114286 |
| 10 | 6 | 6 | 6 | 1,000000 | 0,004762 |
| | | | | | |
| 10 | 7 | 1 | 0 | 0,300000 | 0,300000 |
| 10 | 7 | 1 | 1 | 1,000000 | 0,700000 |
| 10 | 7 | 2 | 0 | 0,066667 | 0,066667 |
| 10 | 7 | 2 | 1 | 0,533333 | 0,466667 |
| 10 | 7 | 2 | 2 | 1,000000 | 0,466667 |
| 10 | 7 | 3 | 0 | 0,008333 | 0,008333 |
| 10 | 7 | 3 | 1 | 0,183333 | 0,175000 |
| 10 | 7 | 3 | 2 | 0,708333 | 0,525000 |
| 10 | 7 | 3 | 3 | 1,000000 | 0,291667 |
| 10 | 7 | 4 | 1 | 0,033333 | 0,033333 |
| 10 | 7 | 4 | 2 | 0,333333 | 0,300000 |
| 10 | 7 | 4 | 3 | 0,833333 | 0,500000 |
| 10 | 7 | 4 | 4 | 1,000000 | 0,166667 |
| 10 | 7 | 5 | 2 | 0,083333 | 0,083333 |
| 10 | 7 | 5 | 3 | 0,500000 | 0,416667 |
| 10 | 7 | 5 | 4 | 0,916667 | 0,416667 |
| 10 | 7 | 5 | 5 | 1,000000 | 0,083333 |
| 10 | 7 | 6 | 3 | 0,166667 | 0,166667 |
| 10 | 7 | 6 | 4 | 0,666667 | 0,500000 |
| 10 | 7 | 6 | 5 | 0,966667 | 0,300000 |
| 10 | 7 | 6 | 6 | 1,000000 | 0,033333 |
| 10 | 7 | 7 | 4 | 0,291667 | 0,291667 |
| 10 | 7 | 7 | 5 | 0,816667 | 0,525000 |
| 10 | 7 | 7 | 6 | 0,991667 | 0,175000 |
| 10 | 7 | 7 | 7 | 1,000000 | 0,008333 |
| 10 | 8 | 1 | 0 | 0,200000 | 0,200000 |
| 10 | 8 | 1 | 1 | 1,000000 | 0,800000 |
| 10 | 8 | 2 | 0 | 0,022222 | 0,022222 |
| 10 | 8 | 2 | 1 | 0,377778 | 0,355556 |
| 10 | 8 | 2 | 2 | 1,000000 | 0,622222 |
| 10 | 8 | 3 | 1 | 0,066667 | 0,066667 |

| N | n | X | x ⁱ | P(x ≤ x ⁱ) | p(x = x ⁱ) |
|----|---|---|----------------|------------------------|------------------------|
| 10 | 8 | 3 | 2 | 0,533333 | 0,466667 |
| 10 | 8 | 3 | 3 | 1,000000 | 0,466667 |
| 10 | 8 | 4 | 2 | 0,133333 | 0,133333 |
| 10 | 8 | 4 | 3 | 0,666667 | 0,533333 |
| 10 | 8 | 4 | 4 | 1,000000 | 0,333333 |
| 10 | 8 | 5 | 3 | 0,222222 | 0,222222 |
| 10 | 8 | 5 | 4 | 0,777778 | 0,555556 |
| 10 | 8 | 5 | 5 | 1,000000 | 0,222222 |
| 10 | 8 | 6 | 4 | 0,333333 | 0,333333 |
| 10 | 8 | 6 | 5 | 0,866667 | 0,533333 |
| 10 | 8 | 6 | 6 | 1,000000 | 0,133333 |
| 10 | 8 | 7 | 5 | 0,466667 | 0,466667 |
| 10 | 8 | 7 | 6 | 0,933333 | 0,466667 |
| 10 | 8 | 7 | 7 | 1,000000 | 0,066667 |
| 10 | 8 | 8 | 6 | 0,622222 | 0,622222 |
| 10 | 8 | 8 | 7 | 0,977778 | 0,355556 |
| 10 | 8 | 8 | 8 | 1,000000 | 0,022222 |
| | | | | | |
| 10 | 9 | 1 | 0 | 0,100000 | 0,100000 |
| 10 | 9 | 1 | 1 | 1,000000 | 0,900000 |
| 10 | 9 | 2 | 1 | 0,200000 | 0,200000 |
| 10 | 9 | 2 | 2 | 1,000000 | 0,800000 |
| 10 | 9 | 3 | 2 | 0,300000 | 0,300000 |
| 10 | 9 | 3 | 3 | 1,000000 | 0,700000 |
| 10 | 9 | 4 | 3 | 0,400000 | 0,400000 |
| 10 | 9 | 4 | 4 | 1,000000 | 0,600000 |
| 10 | 9 | 5 | 4 | 0,500000 | 0,500000 |
| 10 | 9 | 5 | 5 | 1,000000 | 0,500000 |
| 10 | 9 | 6 | 5 | 0,600000 | 0,600000 |
| 10 | 9 | 6 | 6 | 1,000000 | 0,400000 |

| N | n | X | xi | P (x ≤ xi) | p (x = xi) |
|----|---|---|----|------------|------------|
| 15 | 1 | 1 | 0 | 0,933333 | 0,933333 |
| 15 | 1 | 1 | 1 | 1,000000 | 0,066667 |
| | | | | | |
| 15 | 2 | 1 | 0 | 0,866667 | 0,866667 |
| 15 | 2 | 1 | 1 | 1,000000 | 0,133333 |
| 15 | 2 | 2 | 0 | 0,742857 | 0,742857 |
| 15 | 2 | 2 | 1 | 0,990476 | 0,247619 |
| 15 | 2 | 2 | 2 | 1,000000 | 0,009524 |
| | | | | | |
| 15 | 3 | 1 | 0 | 0,800000 | 0,800000 |
| 15 | 3 | 1 | 1 | 1,000000 | 0,200000 |
| 15 | 3 | 2 | 0 | 0,628571 | 0,628571 |
| 15 | 3 | 2 | 1 | 0,971429 | 0,342857 |
| 15 | 3 | 2 | 2 | 1,000000 | 0,028571 |
| 15 | 3 | 3 | 0 | 0,483516 | 0,483516 |
| 15 | 3 | 3 | 1 | 0,918681 | 0,435165 |
| 15 | 3 | 3 | 2 | 0,997802 | 0,079121 |
| 15 | 3 | 3 | 3 | 1,000000 | 0,002198 |
| | | | | | |
| 15 | 4 | 1 | 0 | 0,733333 | 0,733333 |
| 15 | 4 | 1 | 1 | 1,000000 | 0,266667 |
| 15 | 4 | 2 | 0 | 0,523810 | 0,523810 |
| 15 | 4 | 2 | 1 | 0,942857 | 0,419048 |
| 15 | 4 | 2 | 2 | 1,000000 | 0,057143 |
| 15 | 4 | 3 | 0 | 0,362637 | 0,362637 |
| 15 | 4 | 3 | 1 | 0,846154 | 0,483516 |
| 15 | 4 | 3 | 2 | 0,991209 | 0,145055 |
| 15 | 4 | 3 | 3 | 1,000000 | 0,008791 |
| 15 | 4 | 4 | 0 | 0,241758 | 0,241758 |
| 15 | 4 | 4 | 1 | 0,725275 | 0,483516 |
| 15 | 4 | 4 | 2 | 0,967033 | 0,241758 |
| 15 | 4 | 4 | 3 | 0,999267 | 0,032234 |
| 15 | 4 | 4 | 4 | 1,000000 | 0,000733 |
| | | | | | |
| 15 | 5 | 1 | 0 | 0,666667 | 0,666667 |
| 15 | 5 | 1 | 1 | 1,000000 | 0,333333 |
| 15 | 5 | 2 | 0 | 0,428571 | 0,428571 |
| 15 | 5 | 2 | 1 | 0,904762 | 0,476190 |
| 15 | 5 | 2 | 2 | 1,000000 | 0,095238 |

| N | n | X | xi | P (x ≤ xi) | p (x = xi) |
|----|---|---|----|------------|------------|
| 15 | 5 | 3 | 0 | 0,263736 | 0,263736 |
| 15 | 5 | 3 | 1 | 0,758242 | 0,494505 |
| 15 | 5 | 3 | 2 | 0,978022 | 0,219780 |
| 15 | 5 | 3 | 3 | 1,000000 | 0,021978 |
| 15 | 5 | 4 | 0 | 0,153846 | 0,153846 |
| 15 | 5 | 4 | 1 | 0,593407 | 0,439560 |
| 15 | 5 | 4 | 2 | 0,923077 | 0,329670 |
| 15 | 5 | 4 | 3 | 0,996337 | 0,073260 |
| 15 | 5 | 4 | 4 | 1,000000 | 0,003663 |
| 15 | 5 | 5 | 0 | 0,083916 | 0,083916 |
| 15 | 5 | 5 | 1 | 0,433566 | 0,349650 |
| 15 | 5 | 5 | 2 | 0,833167 | 0,399600 |
| 15 | 5 | 5 | 3 | 0,983017 | 0,149850 |
| 15 | 5 | 5 | 4 | 0,999667 | 0,016650 |
| 15 | 5 | 5 | 5 | 1,000000 | 0,000333 |
| | | | | | |
| 15 | 6 | 1 | 0 | 0,600000 | 0,600000 |
| 15 | 6 | 1 | 1 | 1,000000 | 0,400000 |
| 15 | 6 | 2 | 0 | 0,342857 | 0,342857 |
| 15 | 6 | 2 | 1 | 0,857143 | 0,514286 |
| 15 | 6 | 2 | 2 | 1,000000 | 0,142857 |
| 15 | 6 | 3 | 0 | 0,184615 | 0,184615 |
| 15 | 6 | 3 | 1 | 0,659341 | 0,474725 |
| 15 | 6 | 3 | 2 | 0,956044 | 0,296703 |
| 15 | 6 | 3 | 3 | 1,000000 | 0,043956 |
| 15 | 6 | 4 | 0 | 0,092308 | 0,092308 |
| 15 | 6 | 4 | 1 | 0,461538 | 0,369231 |
| 15 | 6 | 4 | 2 | 0,857143 | 0,395604 |
| 15 | 6 | 4 | 3 | 0,989011 | 0,131868 |
| 15 | 6 | 4 | 4 | 1,000000 | 0,010989 |
| 15 | 6 | 5 | 1 | 0,293706 | 0,251748 |
| 15 | 6 | 5 | 2 | 0,713287 | 0,419580 |
| 15 | 6 | 5 | 3 | 0,953047 | 0,239760 |
| 15 | 6 | 5 | 4 | 0,998002 | 0,044955 |
| 15 | 6 | 5 | 5 | 1,000000 | 0,001998 |
| 15 | 6 | 6 | 2 | 0,545455 | 0,377622 |

TABLA VI: DISTRIBUCIÓN NORMAL
 $P(Z \leq Z_i)$

| z | Prob. |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| -3,59 | 0,0002 | -2,99 | 0,0014 | -2,39 | 0,0084 | -1,79 | 0,0367 | -1,19 | 0,1170 | -0,59 | 0,2776 |
| -3,58 | 0,0002 | -2,98 | 0,0014 | -2,38 | 0,0087 | -1,78 | 0,0375 | -1,18 | 0,1190 | -0,58 | 0,2810 |
| -3,57 | 0,0002 | -2,97 | 0,0015 | -2,37 | 0,0089 | -1,77 | 0,0384 | -1,17 | 0,1210 | -0,57 | 0,2843 |
| -3,56 | 0,0002 | -2,96 | 0,0015 | -2,36 | 0,0091 | -1,76 | 0,0392 | -1,16 | 0,1230 | -0,56 | 0,2877 |
| -3,55 | 0,0002 | -2,95 | 0,0016 | -2,35 | 0,0094 | -1,75 | 0,0401 | -1,15 | 0,1251 | -0,55 | 0,2912 |
| -3,54 | 0,0002 | -2,94 | 0,0016 | -2,34 | 0,0096 | -1,74 | 0,0409 | -1,14 | 0,1271 | -0,54 | 0,2946 |
| -3,53 | 0,0002 | -2,93 | 0,0017 | -2,33 | 0,0099 | -1,73 | 0,0418 | -1,13 | 0,1292 | -0,53 | 0,2981 |
| -3,52 | 0,0002 | -2,92 | 0,0018 | -2,32 | 0,0102 | -1,72 | 0,0427 | -1,12 | 0,1314 | -0,52 | 0,3015 |
| -3,51 | 0,0002 | -2,91 | 0,0018 | -2,31 | 0,0104 | -1,71 | 0,0436 | -1,11 | 0,1335 | -0,51 | 0,3050 |
| -3,50 | 0,0002 | -2,90 | 0,0019 | -2,30 | 0,0107 | -1,70 | 0,0446 | -1,10 | 0,1357 | -0,50 | 0,3085 |
| -3,49 | 0,0002 | -2,89 | 0,0019 | -2,29 | 0,0110 | -1,69 | 0,0455 | -1,09 | 0,1379 | -0,49 | 0,3121 |
| -3,48 | 0,0003 | -2,88 | 0,0020 | -2,28 | 0,0113 | -1,68 | 0,0465 | -1,08 | 0,1401 | -0,48 | 0,3156 |
| -3,47 | 0,0003 | -2,87 | 0,0021 | -2,27 | 0,0116 | -1,67 | 0,0475 | -1,07 | 0,1423 | -0,47 | 0,3192 |
| -3,46 | 0,0003 | -2,86 | 0,0021 | -2,26 | 0,0119 | -1,66 | 0,0485 | -1,06 | 0,1446 | -0,46 | 0,3228 |
| -3,45 | 0,0003 | -2,85 | 0,0022 | -2,25 | 0,0122 | -1,65 | 0,0495 | -1,05 | 0,1469 | -0,45 | 0,3264 |
| -3,44 | 0,0003 | -2,84 | 0,0023 | -2,24 | 0,0125 | -1,64 | 0,0505 | -1,04 | 0,1492 | -0,44 | 0,3300 |
| -3,43 | 0,0003 | -2,83 | 0,0023 | -2,23 | 0,0129 | -1,63 | 0,0516 | -1,03 | 0,1515 | -0,43 | 0,3336 |
| -3,42 | 0,0003 | -2,82 | 0,0024 | -2,22 | 0,0132 | -1,62 | 0,0526 | -1,02 | 0,1539 | -0,42 | 0,3372 |
| -3,41 | 0,0003 | -2,81 | 0,0025 | -2,21 | 0,0138 | -1,61 | 0,0537 | -1,01 | 0,1562 | -0,41 | 0,3409 |
| -3,40 | 0,0003 | -2,80 | 0,0026 | -2,20 | 0,0139 | -1,60 | 0,0548 | -1,00 | 0,1587 | -0,40 | 0,3446 |
| -3,39 | 0,0003 | -2,79 | 0,0026 | -2,19 | 0,0143 | -1,59 | 0,0559 | -0,99 | 0,1611 | -0,39 | 0,3483 |
| -3,38 | 0,0004 | -2,78 | 0,0027 | -2,18 | 0,0146 | -1,58 | 0,0571 | -0,98 | 0,1635 | -0,38 | 0,3520 |
| -3,37 | 0,0004 | -2,77 | 0,0028 | -2,17 | 0,0150 | -1,57 | 0,0582 | -0,97 | 0,1660 | -0,37 | 0,3557 |
| -3,36 | 0,0004 | -2,76 | 0,0029 | -2,16 | 0,0154 | -1,56 | 0,0594 | -0,96 | 0,1685 | -0,36 | 0,3594 |
| -3,35 | 0,0004 | -2,75 | 0,0030 | -2,15 | 0,0158 | -1,55 | 0,0606 | -0,95 | 0,1711 | -0,35 | 0,3632 |
| -3,34 | 0,0004 | -2,74 | 0,0031 | -2,14 | 0,0162 | -1,54 | 0,0618 | -0,94 | 0,1736 | -0,34 | 0,3669 |
| -3,33 | 0,0004 | -2,73 | 0,0032 | -2,13 | 0,0166 | -1,53 | 0,0630 | -0,93 | 0,1762 | -0,33 | 0,3707 |
| -3,32 | 0,0005 | -2,72 | 0,0033 | -2,12 | 0,0170 | -1,52 | 0,0643 | -0,92 | 0,1788 | -0,32 | 0,3745 |
| -3,31 | 0,0005 | -2,71 | 0,0034 | -2,11 | 0,0174 | -1,51 | 0,0655 | -0,91 | 0,1814 | -0,31 | 0,3783 |
| -3,30 | 0,0005 | -2,70 | 0,0035 | -2,10 | 0,0179 | -1,50 | 0,0668 | -0,90 | 0,1841 | -0,30 | 0,3821 |
| -3,29 | 0,0005 | -2,69 | 0,0036 | -2,09 | 0,0183 | -1,49 | 0,0681 | -0,89 | 0,1867 | -0,29 | 0,3859 |
| -3,28 | 0,0005 | -2,68 | 0,0037 | -2,08 | 0,0188 | -1,48 | 0,0694 | -0,88 | 0,1894 | -0,28 | 0,3897 |
| -3,27 | 0,0005 | -2,67 | 0,0038 | -2,07 | 0,0192 | -1,47 | 0,0708 | -0,87 | 0,1922 | -0,27 | 0,3936 |
| -3,26 | 0,0006 | -2,66 | 0,0039 | -2,06 | 0,0197 | -1,46 | 0,0721 | -0,86 | 0,1949 | -0,26 | 0,3974 |
| -3,25 | 0,0006 | -2,65 | 0,0040 | -2,05 | 0,0202 | -1,45 | 0,0735 | -0,85 | 0,1977 | -0,25 | 0,4013 |
| -3,24 | 0,0006 | -2,64 | 0,0041 | -2,04 | 0,0207 | -1,44 | 0,0749 | -0,84 | 0,2005 | -0,24 | 0,4052 |
| -3,23 | 0,0006 | -2,63 | 0,0043 | -2,03 | 0,0212 | -1,43 | 0,0764 | -0,83 | 0,2033 | -0,23 | 0,4090 |
| -3,22 | 0,0006 | -2,62 | 0,0044 | -2,02 | 0,0217 | -1,42 | 0,0778 | -0,82 | 0,2061 | -0,22 | 0,4129 |
| -3,21 | 0,0007 | -2,61 | 0,0045 | -2,01 | 0,0222 | -1,41 | 0,0793 | -0,81 | 0,2090 | -0,21 | 0,4168 |
| -3,20 | 0,0007 | -2,60 | 0,0047 | -2,00 | 0,0228 | -1,40 | 0,0808 | -0,80 | 0,2119 | -0,20 | 0,4207 |
| -3,19 | 0,0007 | -2,59 | 0,0048 | -1,99 | 0,0233 | -1,39 | 0,0823 | -0,79 | 0,2148 | -0,19 | 0,4247 |
| -3,18 | 0,0007 | -2,58 | 0,0049 | -1,98 | 0,0239 | -1,38 | 0,0838 | -0,78 | 0,2177 | -0,18 | 0,4286 |
| -3,17 | 0,0008 | -2,57 | 0,0051 | -1,97 | 0,0244 | -1,37 | 0,0853 | -0,77 | 0,2206 | -0,17 | 0,4325 |
| -3,16 | 0,0008 | -2,56 | 0,0052 | -1,96 | 0,0250 | -1,36 | 0,0869 | -0,76 | 0,2236 | -0,16 | 0,4364 |
| -3,15 | 0,0008 | -2,55 | 0,0054 | -1,95 | 0,0256 | -1,35 | 0,0885 | -0,75 | 0,2266 | -0,15 | 0,4404 |
| -3,14 | 0,0008 | -2,54 | 0,0055 | -1,94 | 0,0262 | -1,34 | 0,0901 | -0,74 | 0,2296 | -0,14 | 0,4443 |
| -3,13 | 0,0009 | -2,53 | 0,0057 | -1,93 | 0,0268 | -1,33 | 0,0918 | -0,73 | 0,2327 | -0,13 | 0,4483 |
| -3,12 | 0,0009 | -2,52 | 0,0059 | -1,92 | 0,0274 | -1,32 | 0,0934 | -0,72 | 0,2358 | -0,12 | 0,4522 |
| -3,11 | 0,0009 | -2,51 | 0,0060 | -1,91 | 0,0281 | -1,31 | 0,0951 | -0,71 | 0,2389 | -0,11 | 0,4562 |
| -3,10 | 0,0010 | -2,50 | 0,0062 | -1,90 | 0,0287 | -1,30 | 0,0968 | -0,70 | 0,2420 | -0,10 | 0,4602 |
| -3,09 | 0,0010 | -2,49 | 0,0064 | -1,89 | 0,0294 | -1,29 | 0,0985 | -0,69 | 0,2451 | -0,09 | 0,4641 |
| -3,08 | 0,0010 | -2,48 | 0,0066 | -1,88 | 0,0301 | -1,28 | 0,1003 | -0,68 | 0,2483 | -0,08 | 0,4681 |
| -3,07 | 0,0011 | -2,47 | 0,0068 | -1,87 | 0,0307 | -1,27 | 0,1020 | -0,67 | 0,2514 | -0,07 | 0,4721 |
| -3,06 | 0,0011 | -2,46 | 0,0069 | -1,86 | 0,0314 | -1,26 | 0,1038 | -0,66 | 0,2546 | -0,06 | 0,4761 |
| -3,05 | 0,0011 | -2,45 | 0,0071 | -1,85 | 0,0322 | -1,25 | 0,1056 | -0,65 | 0,2578 | -0,05 | 0,4801 |
| -3,04 | 0,0012 | -2,44 | 0,0073 | -1,84 | 0,0329 | -1,24 | 0,1075 | -0,64 | 0,2611 | -0,04 | 0,4840 |
| -3,03 | 0,0012 | -2,43 | 0,0075 | -1,83 | 0,0336 | -1,23 | 0,1093 | -0,63 | 0,2643 | -0,03 | 0,4880 |
| -3,02 | 0,0013 | -2,42 | 0,0078 | -1,82 | 0,0344 | -1,22 | 0,1112 | -0,62 | 0,2676 | -0,02 | 0,4920 |
| -3,01 | 0,0013 | -2,41 | 0,0080 | -1,81 | 0,0351 | -1,21 | 0,1131 | -0,61 | 0,2709 | -0,01 | 0,4960 |
| -3,00 | 0,0013 | -2,40 | 0,0082 | -1,80 | 0,0359 | -1,20 | 0,1151 | -0,60 | 0,2743 | 0,00 | 0,5000 |

TABLA VI: DISTRIBUCIÓN NORMAL
 $P(Z \leq Z_i)$

| z | Prob. |
|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|----------|--------------|
| 0,00 | 0,5000 | 0,60 | 0,7257 | 1,20 | 0,8849 | 1,80 | 0,9641 | 2,40 | 0,9918 | 3,00 | 0,9987 |
| 0,01 | 0,5040 | 0,61 | 0,7291 | 1,21 | 0,8869 | 1,81 | 0,9649 | 2,41 | 0,9920 | 3,01 | 0,9987 |
| 0,02 | 0,5080 | 0,62 | 0,7324 | 1,22 | 0,8888 | 1,82 | 0,9656 | 2,42 | 0,9922 | 3,02 | 0,9987 |
| 0,03 | 0,5120 | 0,63 | 0,7357 | 1,23 | 0,8907 | 1,83 | 0,9664 | 2,43 | 0,9925 | 3,03 | 0,9988 |
| 0,04 | 0,5160 | 0,64 | 0,7389 | 1,24 | 0,8925 | 1,84 | 0,9671 | 2,44 | 0,9927 | 3,04 | 0,9988 |
| 0,05 | 0,5199 | 0,65 | 0,7422 | 1,25 | 0,8944 | 1,85 | 0,9678 | 2,45 | 0,9929 | 3,05 | 0,9989 |
| 0,06 | 0,5239 | 0,66 | 0,7454 | 1,26 | 0,8962 | 1,86 | 0,9686 | 2,46 | 0,9931 | 3,06 | 0,9989 |
| 0,07 | 0,5279 | 0,67 | 0,7486 | 1,27 | 0,8980 | 1,87 | 0,9693 | 2,47 | 0,9932 | 3,07 | 0,9989 |
| 0,08 | 0,5319 | 0,68 | 0,7517 | 1,28 | 0,8997 | 1,88 | 0,9699 | 2,48 | 0,9934 | 3,08 | 0,9990 |
| 0,09 | 0,5359 | 0,69 | 0,7549 | 1,29 | 0,9015 | 1,89 | 0,9706 | 2,49 | 0,9936 | 3,09 | 0,9990 |
| 0,10 | 0,5398 | 0,70 | 0,7580 | 1,30 | 0,9032 | 1,90 | 0,9713 | 2,50 | 0,9938 | 3,10 | 0,9990 |
| 0,11 | 0,5438 | 0,71 | 0,7611 | 1,31 | 0,9049 | 1,91 | 0,9719 | 2,51 | 0,9940 | 3,11 | 0,9991 |
| 0,12 | 0,5478 | 0,72 | 0,7642 | 1,32 | 0,9066 | 1,92 | 0,9726 | 2,52 | 0,9941 | 3,12 | 0,9991 |
| 0,13 | 0,5517 | 0,73 | 0,7673 | 1,33 | 0,9082 | 1,93 | 0,9732 | 2,53 | 0,9943 | 3,13 | 0,9991 |
| 0,14 | 0,5557 | 0,74 | 0,7704 | 1,34 | 0,9099 | 1,94 | 0,9738 | 2,54 | 0,9945 | 3,14 | 0,9992 |
| 0,15 | 0,5596 | 0,75 | 0,7734 | 1,35 | 0,9115 | 1,95 | 0,9744 | 2,55 | 0,9946 | 3,15 | 0,9992 |
| 0,16 | 0,5636 | 0,76 | 0,7764 | 1,36 | 0,9131 | 1,96 | 0,9750 | 2,56 | 0,9948 | 3,16 | 0,9992 |
| 0,17 | 0,5675 | 0,77 | 0,7794 | 1,37 | 0,9147 | 1,97 | 0,9756 | 2,57 | 0,9949 | 3,17 | 0,9992 |
| 0,18 | 0,5714 | 0,78 | 0,7823 | 1,38 | 0,9162 | 1,98 | 0,9761 | 2,58 | 0,9951 | 3,18 | 0,9993 |
| 0,19 | 0,5753 | 0,79 | 0,7852 | 1,39 | 0,9177 | 1,99 | 0,9767 | 2,59 | 0,9952 | 3,19 | 0,9993 |
| 0,20 | 0,5793 | 0,80 | 0,7881 | 1,40 | 0,9192 | 2,00 | 0,9772 | 2,60 | 0,9953 | 3,20 | 0,9993 |
| 0,21 | 0,5832 | 0,81 | 0,7910 | 1,41 | 0,9207 | 2,01 | 0,9778 | 2,61 | 0,9955 | 3,21 | 0,9993 |
| 0,22 | 0,5871 | 0,82 | 0,7939 | 1,42 | 0,9222 | 2,02 | 0,9783 | 2,62 | 0,9956 | 3,22 | 0,9994 |
| 0,23 | 0,5910 | 0,83 | 0,7967 | 1,43 | 0,9236 | 2,03 | 0,9788 | 2,63 | 0,9957 | 3,23 | 0,9994 |
| 0,24 | 0,5948 | 0,84 | 0,7995 | 1,44 | 0,9251 | 2,04 | 0,9793 | 2,64 | 0,9959 | 3,24 | 0,9994 |
| 0,25 | 0,5987 | 0,85 | 0,8023 | 1,45 | 0,9265 | 2,05 | 0,9798 | 2,65 | 0,9960 | 3,25 | 0,9994 |
| 0,26 | 0,6026 | 0,86 | 0,8051 | 1,46 | 0,9279 | 2,06 | 0,9803 | 2,66 | 0,9961 | 3,26 | 0,9994 |
| 0,27 | 0,6064 | 0,87 | 0,8078 | 1,47 | 0,9292 | 2,07 | 0,9808 | 2,67 | 0,9962 | 3,27 | 0,9995 |
| 0,28 | 0,6103 | 0,88 | 0,8106 | 1,48 | 0,9306 | 2,08 | 0,9812 | 2,68 | 0,9963 | 3,28 | 0,9995 |
| 0,29 | 0,6141 | 0,89 | 0,8133 | 1,49 | 0,9319 | 2,09 | 0,9817 | 2,69 | 0,9964 | 3,29 | 0,9995 |
| 0,30 | 0,6179 | 0,90 | 0,8159 | 1,50 | 0,9332 | 2,10 | 0,9821 | 2,70 | 0,9965 | 3,30 | 0,9995 |
| 0,31 | 0,6217 | 0,91 | 0,8186 | 1,51 | 0,9345 | 2,11 | 0,9826 | 2,71 | 0,9966 | 3,31 | 0,9995 |
| 0,32 | 0,6255 | 0,92 | 0,8212 | 1,52 | 0,9357 | 2,12 | 0,9830 | 2,72 | 0,9967 | 3,32 | 0,9995 |
| 0,33 | 0,6293 | 0,93 | 0,8238 | 1,53 | 0,9370 | 2,13 | 0,9834 | 2,73 | 0,9968 | 3,33 | 0,9996 |
| 0,34 | 0,6331 | 0,94 | 0,8264 | 1,54 | 0,9382 | 2,14 | 0,9838 | 2,74 | 0,9969 | 3,34 | 0,9996 |
| 0,35 | 0,6368 | 0,95 | 0,8289 | 1,55 | 0,9394 | 2,15 | 0,9842 | 2,75 | 0,9970 | 3,35 | 0,9996 |
| 0,36 | 0,6406 | 0,96 | 0,8315 | 1,56 | 0,9406 | 2,16 | 0,9846 | 2,76 | 0,9971 | 3,36 | 0,9996 |
| 0,37 | 0,6443 | 0,97 | 0,8340 | 1,57 | 0,9418 | 2,17 | 0,9850 | 2,77 | 0,9972 | 3,37 | 0,9996 |
| 0,38 | 0,6480 | 0,98 | 0,8365 | 1,58 | 0,9429 | 2,18 | 0,9854 | 2,78 | 0,9973 | 3,38 | 0,9996 |
| 0,39 | 0,6517 | 0,99 | 0,8389 | 1,59 | 0,9441 | 2,19 | 0,9857 | 2,79 | 0,9974 | 3,39 | 0,9997 |
| 0,40 | 0,6554 | 1,00 | 0,8413 | 1,60 | 0,9452 | 2,20 | 0,9861 | 2,80 | 0,9974 | 3,40 | 0,9997 |
| 0,41 | 0,6591 | 1,01 | 0,8438 | 1,61 | 0,9463 | 2,21 | 0,9864 | 2,81 | 0,9975 | 3,41 | 0,9997 |
| 0,42 | 0,6628 | 1,02 | 0,8461 | 1,62 | 0,9474 | 2,22 | 0,9868 | 2,82 | 0,9976 | 3,42 | 0,9997 |
| 0,43 | 0,6664 | 1,03 | 0,8485 | 1,63 | 0,9484 | 2,23 | 0,9871 | 2,83 | 0,9977 | 3,43 | 0,9997 |
| 0,44 | 0,6700 | 1,04 | 0,8508 | 1,64 | 0,9495 | 2,24 | 0,9875 | 2,84 | 0,9977 | 3,44 | 0,9997 |
| 0,45 | 0,6736 | 1,05 | 0,8531 | 1,65 | 0,9505 | 2,25 | 0,9878 | 2,85 | 0,9978 | 3,45 | 0,9997 |
| 0,46 | 0,6772 | 1,06 | 0,8554 | 1,66 | 0,9515 | 2,26 | 0,9881 | 2,86 | 0,9979 | 3,46 | 0,9997 |
| 0,47 | 0,6808 | 1,07 | 0,8577 | 1,67 | 0,9525 | 2,27 | 0,9884 | 2,87 | 0,9979 | 3,47 | 0,9997 |
| 0,48 | 0,6844 | 1,08 | 0,8599 | 1,68 | 0,9535 | 2,28 | 0,9887 | 2,88 | 0,9980 | 3,48 | 0,9997 |
| 0,49 | 0,6879 | 1,09 | 0,8621 | 1,69 | 0,9545 | 2,29 | 0,9890 | 2,89 | 0,9981 | 3,49 | 0,9998 |
| 0,50 | 0,6915 | 1,10 | 0,8643 | 1,70 | 0,9554 | 2,30 | 0,9893 | 2,90 | 0,9981 | 3,50 | 0,9998 |
| 0,51 | 0,6950 | 1,11 | 0,8665 | 1,71 | 0,9564 | 2,31 | 0,9896 | 2,91 | 0,9982 | 3,51 | 0,9998 |
| 0,52 | 0,6985 | 1,12 | 0,8686 | 1,72 | 0,9573 | 2,32 | 0,9898 | 2,92 | 0,9982 | 3,52 | 0,9998 |
| 0,53 | 0,7019 | 1,13 | 0,8708 | 1,73 | 0,9582 | 2,33 | 0,9901 | 2,93 | 0,9983 | 3,53 | 0,9998 |
| 0,54 | 0,7054 | 1,14 | 0,8729 | 1,74 | 0,9591 | 2,34 | 0,9904 | 2,94 | 0,9984 | 3,54 | 0,9998 |
| 0,55 | 0,7088 | 1,15 | 0,8749 | 1,75 | 0,9599 | 2,35 | 0,9906 | 2,95 | 0,9984 | 3,55 | 0,9998 |
| 0,56 | 0,7123 | 1,16 | 0,8770 | 1,76 | 0,9608 | 2,36 | 0,9909 | 2,96 | 0,9985 | 3,56 | 0,9998 |
| 0,57 | 0,7157 | 1,17 | 0,8790 | 1,77 | 0,9616 | 2,37 | 0,9911 | 2,97 | 0,9985 | 3,57 | 0,9998 |
| 0,58 | 0,7190 | 1,18 | 0,8810 | 1,78 | 0,9625 | 2,38 | 0,9913 | 2,98 | 0,9986 | 3,58 | 0,9998 |
| 0,59 | 0,7224 | 1,19 | 0,8830 | 1,79 | 0,9633 | 2,39 | 0,9916 | 2,99 | 0,9986 | 3,59 | 0,9998 |