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ON THE PROBABILITY OF EXTENDING AN OBSERVATION

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ON THE PROBABILITY OF EXTENDING AN OBSERVATION

SUMMARY

Procedures and related computational aids are developed for simplifying the calculation of conditional probabilities for both continuous and discrete random variables involved in decisions concerning space vehicle launch schedules. Tables of conditional probabilities in the normal and in the Pearson Type III distribution are included in an appendix.

1. INTRODUCTION

After a random variable has attained a value say x_0 , it sometimes becomes necessary to determine the conditional probability that an observation in progress will ultimately extend to some stipulated value x , where of course $x > x_0$. This situation arises frequently in stress-strain analyses and in investigations where the random variable of interest is a time span. In particular, it occurs in life testing and in meteorological investigations concerning the duration of various types of atmospheric phenomena. The latter situations are of concern to aerospace scientists responsible for decisions relating to space vehicle launch schedules.

II. CONTINUOUS DISTRIBUTIONS

Let $f(x)$ denote the density function of a continuous one-dimensional random variable and let $F(x) = \Pr \{ X \leq x \}$, denote the corresponding distribution function. Now impose the condition $x > x_0$ and the resulting conditional density function becomes

$$f(x|x > x_0) = \frac{f(x)}{1 - F(x_0)} \quad (1)$$

Correspondingly, the conditional distribution function becomes

$$\begin{aligned} F(x|x > x_0) &= \Pr \{X \leq x | (x > x_0)\} \\ &= \int_{x_0}^x \frac{f(y)}{1 - F(x_0)} dy = \frac{F(x) - F(x_0)}{1 - F(x_0)}, \end{aligned} \quad (2)$$

where X denotes the random variable and x is any value which this variable may assume.

From a point of view that differs only slightly from that adopted in this paper, equations (1) and (2) may be considered as applying to a continuous distribution that is singly truncated on the left at x_0 . Accordingly many of the results previously obtained by the writer [1, 2, 3,], by Hald [4], and by various other writers in connection with truncated distributions are applicable to the problems which concern us here.

It follows from (2) that

$$\Pr \{X > x | (x > x_0)\} = 1 - \frac{F(x) - F(x_0)}{1 - F(x_0)} = \frac{1 - F(x)}{1 - F(x_0)}, \quad (3)$$

or in standard units

$$\Pr \{T > t | (t > \xi)\} = \frac{1 - F(t)}{1 - F(\xi)}, \quad (4)$$

where

$$t = (x - \mu)/\sigma \quad \text{and} \quad \xi = (x_0 - \mu)/\sigma, \quad (5)$$

in which μ and σ designate the mean and standard deviation of X .

When X is normally distributed with mean μ and standard deviation σ , then T is normally distributed with mean zero and standard deviation unity. Accordingly when $\alpha_3 = 0$, the probabilities in (4) can be readily evaluated from an ordinary table of normal curve areas. Tables which are included in the appendix, list these probabilities to five decimals for values of ξ from -3 to +4 at intervals of 0.5 with t ranging from -3 to 7.8 at intervals of 0.2. For values of α_3 other than zero, these probabilities can be evaluated using Salvosa's Tables of the Pearson Type III Curves [6] or directly from suitable tables of the Incomplete Gamma Function. The appended tables include entries to five decimals for α_3 ranging from -6.0 to 6.0 at intervals of 0.2.

III. DISCRETE DISTRIBUTIONS

In the case of a discrete distribution, the conditional density function corresponding to (1) of the continuous case, may be written as

$$P(x|x > c) = p(x) / [1 - \sum_{x=0}^c p(x)]; \quad x = c+1, c+2, \dots \quad (6)$$

where c is the value already attained by x , and $p(x)$ is the probability function of the unrestricted random variable X . The corresponding conditional distribution function in this case becomes

$$\begin{aligned}
 F(x|x > c) &= \Pr \{X \leq x | (x > c)\} = \sum_{y=c+1}^x p(y) / [1-F(c)] \\
 &= \frac{F(x) - F(c)}{1 - F(c)}, \tag{7}
 \end{aligned}$$

where

$$F(x) = \sum_{y=0}^x p(y). \tag{8}$$

The conditional probability of (7) can be readily evaluated using tables of the appropriate discrete probability function. For example, if $p(x)$ is the Poisson probability function the necessary values for $F(x)$ and $F(c)$ can be found in Molina's Tables [5].

IV. AN ILLUSTRATIVE EXAMPLE

To illustrate how the foregoing results might be employed in making launch decisions, consider the following situation. Let us suppose that during the months of June and July, past weather records at launch site indicate that periods of unfavorable launching conditions (winds above 50 m/sec) are normally distributed with a mean duration of 72 hours and a standard deviation of 10 hours. Twenty hours prior to a launch scheduled in June 196X, the winds are above 50 m/sec and have been in this unfavorable zone for the past 48 hours. We wish to know the probability that the currently existing period of unfavorable weather will persist beyond the scheduled launch time, 20 hours hence. In the notation of this paper, the required probability can be expressed as

$$P \{X > 68|48\} = P \{T > -0.4|-2.4\}.$$

With $\alpha_3 = 0$, this probability can be read using linear interpolation from table 1 with $\xi = -2.4$ and $t = -0.4$ as

$$P = 0.66.$$

With such a high probability of having the unfavorable weather continue beyond the scheduled launch, a delay is almost mandatory.

We now consider the question of the extent of the postponement in order that the probability of a further delay due to continuing unfavorable weather will be say less than or at most equal to 0.05.

Again reading from Table 1, we find

$$P \{T > 1.8|-2.4\} = 0.04.$$

Since

$$t = 1.8 = (x - 72)/10,$$

it follows that

$x = 18 + 72 = 90$ hrs. (measured from the beginning of the current period of unfavorable launch condition which has already persisted for 48 hours). Accordingly, the earliest permissible launch time becomes

$$90 - 48 = 52 \text{ hours hence.}$$

Since the original launch time is 20 hours from now, the delay is thus estimated as

$$52 - 20 = 32 \text{ hours.}$$

It must be pointed out that the above calculations are made in accordance with the assumption that no information is available concerning any possible concomitant variables which could affect the random variable of interest here.

V. ESTIMATION OF PARAMETERS

The results presented in the preceding sections of this paper relate to the calculation of probabilities using known density functions. In applications of the type envisioned here, estimates of distribution parameters would be available from previous records. Should it be necessary to estimate these parameters from truncated or from censored samples, procedures presented in references [1, 2, 3, 4] might be employed.

APPENDIX

TABLES OF CONDITIONAL PROBABILITIES IN THE PEARSON TYPE III DISTRIBUTION

$$\Pr\{T > t | (t > \xi)\}.$$

The Conditional Probability: $P(T > t | t > \xi)$

ALPHA 3	-6.0	-7.0	-8.0	-9.0	-10.0	-11.0	-12.0
-10.00	0.99999	0.99999	0.99999	0.99999	0.99999	0.99999	0.99999
-9.80	0.99991	0.99991	0.99991	0.99991	0.99991	0.99991	0.99991
-9.60	0.99982	0.99982	0.99982	0.99982	0.99982	0.99982	0.99982
-9.40	0.99972	0.99972	0.99972	0.99972	0.99972	0.99972	0.99972
-9.20	0.99960	0.99960	0.99960	0.99960	0.99960	0.99960	0.99960
-9.00	0.99948	0.99948	0.99948	0.99948	0.99948	0.99948	0.99948
-8.80	0.99935	0.99935	0.99935	0.99935	0.99935	0.99935	0.99935
-8.60	0.99920	0.99920	0.99920	0.99920	0.99920	0.99920	0.99920
-8.40	0.99905	0.99905	0.99905	0.99905	0.99905	0.99905	0.99905
-8.20	0.99887	0.99887	0.99887	0.99887	0.99887	0.99887	0.99887
-8.00	0.99869	0.99869	0.99869	0.99869	0.99869	0.99869	0.99869
-7.80	0.99848	0.99848	0.99848	0.99848	0.99848	0.99848	0.99848
-7.60	0.99826	0.99826	0.99826	0.99826	0.99826	0.99826	0.99826
-7.40	0.99801	0.99801	0.99801	0.99801	0.99801	0.99801	0.99801
-7.20	0.99774	0.99774	0.99774	0.99774	0.99774	0.99774	0.99774
-7.00	0.99745	0.99745	0.99745	0.99745	0.99745	0.99745	0.99745
-6.80	0.99713	0.99713	0.99713	0.99713	0.99713	0.99713	0.99713
-6.60	0.99678	0.99678	0.99678	0.99678	0.99678	0.99678	0.99678
-6.40	0.99639	0.99639	0.99639	0.99639	0.99639	0.99639	0.99639
-6.20	0.99597	0.99597	0.99597	0.99597	0.99597	0.99597	0.99597
-6.00	0.99550	0.99550	0.99550	0.99550	0.99550	0.99550	0.99550
-5.80	0.99499	0.99499	0.99499	0.99499	0.99499	0.99499	0.99499
-5.60	0.99442	0.99442	0.99442	0.99442	0.99442	0.99442	0.99442
-5.40	0.99380	0.99380	0.99380	0.99380	0.99380	0.99380	0.99380
-5.20	0.99312	0.99312	0.99312	0.99312	0.99312	0.99312	0.99312
-5.00	0.99236	0.99236	0.99236	0.99236	0.99236	0.99236	0.99236
-4.80	0.99153	0.99153	0.99153	0.99153	0.99153	0.99153	0.99153
-4.60	0.99061	0.99061	0.99061	0.99061	0.99061	0.99061	0.99061
-4.40	0.98958	0.98958	0.98958	0.98958	0.98958	0.98958	0.98958
-4.20	0.98845	0.98845	0.98845	0.98845	0.98845	0.98845	0.98845
-4.00	0.98718	0.98718	0.98718	0.98718	0.98718	0.98718	0.98718
-3.80	0.98578	0.98578	0.98578	0.98578	0.98578	0.98578	0.98578
-3.60	0.98421	0.98421	0.98421	0.98421	0.98421	0.98421	0.98421
-3.40	0.98245	0.98245	0.98245	0.98245	0.98245	0.98245	0.98245
-3.20	0.98048	0.98048	0.98048	0.98048	0.98048	0.98048	0.98048
-3.00	0.97827	0.97827	0.97827	0.97827	0.97827	0.97827	0.97827
-2.80	0.97577	0.97577	0.97577	0.97577	0.97577	0.97577	0.97577
-2.60	0.97295	0.97295	0.97295	0.97295	0.97295	0.97295	0.97295
-2.40	0.96974	0.96974	0.96974	0.96974	0.96974	0.96974	0.96974
-2.20	0.96608	0.96608	0.96608	0.96608	0.96608	0.96608	0.96608
-2.00	0.96189	0.96189	0.96189	0.96189	0.96189	0.96189	0.96189
-1.80	0.95705	0.95705	0.95705	0.95705	0.95705	0.95705	0.95705
-1.60	0.95142	0.95142	0.95142	0.95142	0.95142	0.95142	0.95142
-1.40	0.94483	0.94483	0.94483	0.94483	0.94483	0.94483	0.94483
-1.20	0.93723	0.93723	0.93723	0.93723	0.93723	0.93723	0.93723
-1.00	0.9285	0.9285	0.9285	0.9285	0.9285	0.9285	0.9285
-0.80	0.91616	0.91616	0.91616	0.91616	0.91616	0.91616	0.91616
-0.60	0.90180	0.90180	0.90180	0.90180	0.90180	0.90180	0.90180
-0.40	0.88218	0.88218	0.88218	0.88218	0.88218	0.88218	0.88218
-0.20	0.85769	0.85769	0.85769	0.85769	0.85769	0.85769	0.85769
0.00	0.81917	0.81917	0.81917	0.81917	0.81917	0.81917	0.81917
0.20	0.74466	0.74466	0.74466	0.74466	0.74466	0.74466	0.74466

The Conditional Probability: $P\{T>t|(t>\xi)\}$

$\frac{t}{\xi}$	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
ALPHA 3															
-10.0	1.00000														
-9.8	0.99992														
-9.6	0.99983														
-9.4	0.99973														
-9.2	0.99962														
-9.0	0.99950														
-8.8	0.99937														
-8.6	0.99923														
-8.4	0.99907														
-8.2	0.99891														
-8.0	0.99872														
-7.8	0.99852														
-7.6	0.99830														
-7.4	0.99806														
-7.2	0.99779														
-7.0	0.99750														
-6.8	0.99718														
-6.6	0.99683														
-6.4	0.99645														
-6.2	0.99602														
-6.0	0.99556														
-5.8	0.99504														
-5.6	0.99448														
-5.4	0.99385														
-5.2	0.99316														
-5.0	0.99240														
-4.8	0.99155														
-4.6	0.99061														
-4.4	0.98957														
-4.2	0.98841														
-4.0	0.98712														
-3.8	0.98568														
-3.6	0.98407														
-3.4	0.98227														
-3.2	0.98025														
-3.0	0.97797														
-2.8	0.97539														
-2.6	0.97248														
-2.4	0.96916														
-2.2	0.96537														
-2.0	0.96101														
-1.8	0.95598														
-1.6	0.95013														
-1.4	0.94326														
-1.2	0.93512														
-1.0	0.92534														
-0.8	0.91338														
-0.6	0.89841														
-0.4	0.87905														
-0.2	0.85264														
0.0	0.81307														
0.2	0.73859														

The Conditional Probability: $P(T > t | t > \xi)$

ALPHA 3	-5.6	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.0C	1.00000														
-9.8C	0.99992														
-9.6C	0.99583														
-9.4C	0.95574	C.55955													
-9.2C	0.95563	C.99985													
-9.0C	0.95552	C.55573	1.00000												
-8.8C	0.99939	C.99961	C.99987												
-8.6C	0.95526	C.59947	C.99974												
-8.4C	0.95511	C.59532	C.99959	0.59992											
-8.2C	0.99894	C.99915	C.99942	C.55576											
-8.0C	0.95576	C.55857	C.99924	C.99958	1.00000										
-7.8C	0.99856	C.99878	C.99904	C.99934	C.99958										
-7.6C	0.95835	C.59856	C.99883	C.99916	C.99958										
-7.4C	0.99811	C.99832	C.99859	C.99892	C.99924	C.99958									
-7.2C	0.95785	C.59806	C.99833	C.99866	C.99908	C.99933	1.00000								
-7.0C	0.95756	C.55777	C.99804	C.99837	C.99880	C.99903	C.99933	1.00000							
-6.8C	0.99724	C.99746	C.99772	C.99806	C.99848	C.99891	C.99901	C.99933							
-6.6C	0.95685	C.55711	C.99737	C.99771	C.99813	C.99856	C.99895	C.99924							
-6.4C	0.99651	C.99672	C.99699	C.99733	C.99775	C.99818	C.99861	C.99895							
-6.2C	0.99609	C.99630	C.99657	C.99690	C.99732	C.99775	C.99818	C.99861	0.99980						
-6.0C	0.95562	C.55584	C.99610	C.99644	C.99686	C.99739	C.99790	C.99841	C.99891	1.00000					
-5.8C	0.99544	C.99532	C.99559	C.99592	C.99634	C.99685	C.99736	C.99787	C.99838	C.99889					
-5.6C	0.99515	C.59475	C.99500	C.99533	C.99575	C.99618	C.99661	C.99704	C.99747	C.99790	0.99968				
-5.4C	0.99391	C.59412	C.99435	C.99472	C.99514	C.99557	C.99600	C.99643	C.99686	C.99729	C.99772	0.99968			
-5.2C	0.99321	C.99343	C.99369	C.99403	C.99445	C.99488	C.99531	C.99574	C.99617	C.99660	C.99703	C.99746	0.99968		
-5.0C	0.95244	C.55265	C.99292	C.99325	C.99367	C.99410	C.99453	C.99496	C.99539	C.99582	C.99625	C.99668	C.99711	1.00000	
-4.8C	0.99159	C.59180	C.99206	C.99240	C.99282	C.99325	C.99368	C.99411	C.99454	C.99497	C.99540	C.99583	C.99626	C.99669	0.99914
-4.6C	0.99063	C.59085	C.99111	C.99145	C.99186	C.99229	C.99272	C.99315	C.99358	C.99401	C.99444	C.99487	C.99530	C.99573	0.99914
-4.4C	0.98558	C.58575	C.99005	C.99039	C.99080	C.99123	C.99166	C.99209	C.99252	C.99295	C.99338	C.99381	C.99424	C.99467	0.99914
-4.2C	0.98840	C.58861	C.98887	C.98921	C.98962	C.99005	C.99048	C.99091	C.99134	C.99177	C.99220	C.99263	C.99306	C.99349	0.99914
-4.0C	0.98708	C.58729	C.98756	C.98789	C.98831	C.98873	C.98916	C.98959	C.99002	C.99045	C.99088	C.99131	C.99174	C.99217	0.99914
-3.8C	0.98561	C.58582	C.98609	C.98642	C.98683	C.98726	C.98769	C.98812	C.98855	C.98898	C.98941	C.98984	C.99027	C.99070	0.99914
-3.6C	0.98396	C.58417	C.98444	C.98477	C.98518	C.98561	C.98604	C.98647	C.98690	C.98733	C.98776	C.98819	C.98862	C.98905	0.99914
-3.4C	0.98211	C.58232	C.98259	C.98292	C.98333	C.98376	C.98419	C.98462	C.98505	C.98548	C.98591	C.98634	C.98677	C.98720	0.99914
-3.2C	0.98003	C.58024	C.98050	C.98083	C.98125	C.98168	C.98211	C.98254	C.98297	C.98340	C.98383	C.98426	C.98469	C.98512	0.99914
-3.0C	0.97768	C.57789	C.97816	C.97848	C.97890	C.97932	C.97975	C.98018	C.98061	C.98104	C.98147	C.98190	C.98233	C.98276	0.99914
-2.8C	0.97503	C.57524	C.97550	C.97583	C.97624	C.97667	C.97710	C.97753	C.97796	C.97839	C.97882	C.97925	C.97968	C.98011	0.99914
-2.6C	0.97201	C.57222	C.97248	C.97281	C.97322	C.97365	C.97408	C.97451	C.97494	C.97537	C.97580	C.97623	C.97666	C.97709	0.99914
-2.4C	0.96858	C.96678	C.96904	C.96937	C.96978	C.97021	C.97064	C.97107	C.97150	C.97193	C.97236	C.97279	C.97322	C.97365	0.99914
-2.2C	0.96464	C.56485	C.96511	C.96543	C.96584	C.96627	C.96670	C.96713	C.96756	C.96799	C.96842	C.96885	C.96928	C.96971	0.99914
-2.0C	0.96012	C.96033	C.96059	C.96091	C.96131	C.96174	C.96217	C.96260	C.96303	C.96346	C.96389	C.96432	C.96475	C.96518	0.99914
-1.8C	0.95489	C.55510	C.95535	C.95567	C.95608	C.95651	C.95694	C.95737	C.95780	C.95823	C.95866	C.95909	C.95952	C.95995	0.99914
-1.6C	0.94880	C.54900	C.94926	C.94958	C.94998	C.95041	C.95084	C.95127	C.95170	C.95213	C.95256	C.95299	C.95342	C.95385	0.99914
-1.4C	0.94164	C.94185	C.94210	C.94242	C.94281	C.94324	C.94367	C.94410	C.94453	C.94496	C.94539	C.94582	C.94625	C.94668	0.99914
-1.2C	0.93315	C.53335	C.93360	C.93392	C.93431	C.93474	C.93517	C.93560	C.93603	C.93646	C.93689	C.93732	C.93775	C.93818	0.99914
-1.0C	0.92295	C.52239	C.92339	C.92372	C.92415	C.92458	C.92501	C.92544	C.92587	C.92630	C.92673	C.92716	C.92759	C.92802	0.99914
-0.8C	0.91047	C.91067	C.91109	C.91122	C.91160	C.91203	C.91246	C.91289	C.91332	C.91375	C.91418	C.91461	C.91504	C.91547	0.99914
-0.6C	0.89487	C.89506	C.89530	C.89550	C.89588	C.89627	C.89666	C.89705	C.89744	C.89783	C.89822	C.89861	C.89900	C.89939	0.99914
-0.4C	0.87472	C.87491	C.87514	C.87544	C.87581	C.87627	C.87666	C.87705	C.87744	C.87783	C.87822	C.87861	C.87900	C.87939	0.99914
-0.2C	0.84735	C.84753	C.84776	C.84805	C.84840	C.84886	C.84933	C.84980	C.85027	C.85074	C.85121	C.85168	C.85215	C.85262	0.99914
0.0C	0.80670	C.80687	C.80709	C.80736	C.80770	C.80813	C.80867	C.80921	C.80974	C.81027	C.81081	C.81134	C.81187	C.81240	0.99914
C.20	0.73217	C.73233	C.73252	C.73277	C.73308	C.73347	C.73396	C.73455	C.73514	C.73573	C.73632	C.73691	C.73750	C.73809	0.99914

The Conditional Probability: $P\{T>t | (t>\epsilon)\}$

ALPHA 3 -5.4

t	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.00	1.00000														
-9.50	0.95592														
-9.00	0.95575	0.99995													
-8.50	0.95565	0.99974	1.00000												
-8.00	0.95542	0.99962	0.99988												
-7.50	0.95528	0.99954	0.99975												
-7.00	0.95514	0.99934	0.99960	0.99953											
-6.50	0.95498	0.99918	0.99944	0.99977	1.00000										
-6.00	0.95480	0.99901	0.99927	0.99955	0.99981										
-5.50	0.95461	0.99881	0.99907	0.99934	0.99959										
-5.00	0.95440	0.99863	0.99886	0.99918	0.99953	0.99978									
-4.50	0.95422	0.99842	0.99866	0.99895	0.99934	0.99962	1.00000								
-4.00	0.95405	0.99822	0.99846	0.99875	0.99914	0.99942	0.99970								
-3.50	0.95388	0.99803	0.99827	0.99856	0.99895	0.99923	0.99951								
-3.00	0.95371	0.99783	0.99807	0.99836	0.99875	0.99903	0.99931								
-2.50	0.95354	0.99763	0.99787	0.99816	0.99855	0.99883	0.99911								
-2.00	0.95337	0.99743	0.99767	0.99796	0.99835	0.99863	0.99891								
-1.50	0.95320	0.99723	0.99747	0.99776	0.99815	0.99843	0.99871								
-1.00	0.95303	0.99703	0.99727	0.99756	0.99795	0.99823	0.99851								
-0.50	0.95286	0.99683	0.99707	0.99736	0.99775	0.99803	0.99831								
0.00	0.95269	0.99663	0.99687	0.99716	0.99755	0.99783	0.99811								
0.50	0.95252	0.99643	0.99667	0.99696	0.99735	0.99763	0.99791								
1.00	0.95235	0.99623	0.99647	0.99676	0.99715	0.99743	0.99771								
1.50	0.95218	0.99603	0.99627	0.99656	0.99695	0.99723	0.99751								
2.00	0.95201	0.99583	0.99607	0.99636	0.99675	0.99703	0.99731								
2.50	0.95184	0.99563	0.99587	0.99616	0.99655	0.99683	0.99711								
3.00	0.95167	0.99543	0.99567	0.99596	0.99635	0.99663	0.99691								
3.50	0.95150	0.99523	0.99547	0.99576	0.99615	0.99643	0.99671								
4.00	0.95133	0.99503	0.99527	0.99556	0.99595	0.99623	0.99651								
4.50	0.95116	0.99483	0.99507	0.99536	0.99575	0.99603	0.99631								
5.00	0.95099	0.99463	0.99487	0.99516	0.99555	0.99583	0.99611								
5.50	0.95082	0.99443	0.99467	0.99496	0.99535	0.99563	0.99591								
6.00	0.95065	0.99423	0.99447	0.99476	0.99515	0.99543	0.99571								
6.50	0.95048	0.99403	0.99427	0.99456	0.99495	0.99523	0.99551								
7.00	0.95031	0.99383	0.99407	0.99436	0.99475	0.99503	0.99531								
7.50	0.95014	0.99363	0.99387	0.99416	0.99455	0.99483	0.99511								
8.00	0.95000	0.99343	0.99367	0.99396	0.99435	0.99463	0.99491								
8.50	0.94983	0.99323	0.99347	0.99376	0.99415	0.99443	0.99471								
9.00	0.94966	0.99303	0.99327	0.99356	0.99395	0.99423	0.99451								
9.50	0.94949	0.99283	0.99307	0.99336	0.99375	0.99403	0.99431								
10.00	0.94932	0.99263	0.99287	0.99316	0.99355	0.99383	0.99411								

The Conditional Probability: $P(T > t | t > \xi)$

ALPHA 3	-5.2	-5.5	-6.0	-6.5	-7.0	-7.5	-8.0	-8.5	-9.0	-9.5	-10.0	t	-4.5	-4.0	-3.5	-3.0
-10.00	1.00000															
-9.50	0.99993															
-9.00	0.99985															
-8.50	0.99976	0.99996														
-8.00	0.99966	0.99986														
-7.50	0.99956	0.99975	1.00000													
-7.00	0.99944	0.99964	0.99988													
-6.50	0.99932	0.99951	0.99976													
-6.00	0.99918	0.99937	0.99962	0.99988												
-5.50	0.99902	0.99921	0.99946	0.99977												
-5.00	0.99885	0.99904	0.99929	0.99960	1.00000											
-4.50	0.99866	0.99886	0.99910	0.99941	0.99971											
-4.00	0.99846	0.99865	0.99890	0.99921	0.99951											
-3.50	0.99823	0.99842	0.99867	0.99898	0.99928											
-3.00	0.99797	0.99817	0.99841	0.99873	0.99904											
-2.50	0.99770	0.99789	0.99814	0.99845	0.99876											
-2.00	0.99739	0.99758	0.99783	0.99814	0.99845											
-1.50	0.99705	0.99724	0.99749	0.99780	0.99811											
-1.00	0.99667	0.99686	0.99711	0.99742	0.99773											
-0.50	0.99625	0.99644	0.99669	0.99700	0.99731											
0.00	0.99579	0.99598	0.99623	0.99654	0.99685											
0.50	0.99528	0.99547	0.99572	0.99603	0.99634											
1.00	0.99471	0.99490	0.99515	0.99546	0.99577											
1.50	0.99408	0.99427	0.99451	0.99482	0.99513											
2.00	0.99337	0.99357	0.99381	0.99412	0.99443											
2.50	0.99259	0.99278	0.99303	0.99334	0.99364											
3.00	0.99172	0.99191	0.99215	0.99246	0.99276											
3.50	0.99075	0.99094	0.99118	0.99149	0.99179											
4.00	0.98965	0.98984	0.99009	0.99040	0.99071											
4.50	0.98843	0.98862	0.98887	0.98918	0.98949											
5.00	0.98706	0.98726	0.98750	0.98781	0.98812											
5.50	0.98553	0.98572	0.98596	0.98627	0.98658											
6.00	0.98380	0.98400	0.98424	0.98455	0.98486											
6.50	0.98186	0.98205	0.98229	0.98260	0.98291											
7.00	0.97966	0.97985	0.98009	0.98040	0.98071											
7.50	0.97717	0.97736	0.97760	0.97791	0.97822											
8.00	0.97434	0.97453	0.97477	0.97508	0.97539											
8.50	0.97112	0.97131	0.97155	0.97186	0.97217											
9.00	0.96744	0.96763	0.96786	0.96817	0.96848											
9.50	0.96321	0.96339	0.96363	0.96393	0.96424											
10.00	0.95833	0.95851	0.95875	0.95905	0.95936											
10.50	0.95266	0.95285	0.95308	0.95338	0.95368											
11.00	0.94605	0.94623	0.94647	0.94676	0.94706											
11.50	0.93827	0.93845	0.93868	0.93897	0.93926											
12.00	0.92920	0.92937	0.92960	0.92989	0.93018											
12.50	0.91788	0.91804	0.91829	0.91858	0.91887											
13.00	0.90428	0.90446	0.90468	0.90496	0.90524											
13.50	0.88729	0.88747	0.88768	0.88796	0.88824											
14.00	0.86544	0.86561	0.86582	0.86609	0.86636											
14.50	0.83600	0.83616	0.83637	0.83662	0.83687											
15.00	0.79305	0.79320	0.79340	0.79365	0.79390											
15.50	0.71823	0.71837	0.71855	0.71877	0.71899											
16.00	0.64300	0.64313	0.64329	0.64346	0.64362											
16.50	0.56800	0.56811	0.56824	0.56838	0.56851											
17.00	0.49300	0.49309	0.49319	0.49328	0.49337											
17.50	0.41800	0.41807	0.41815	0.41822	0.41829											
18.00	0.34300	0.34305	0.34309	0.34313	0.34317											
18.50	0.26800	0.26803	0.26806	0.26808	0.26810											
19.00	0.19300	0.19302	0.19303	0.19304	0.19305											
19.50	0.11800	0.11801	0.11802	0.11803	0.11804											
20.00	0.04300	0.04300	0.04300	0.04300	0.04300											

The Conditional Probability: $P(T > t | (t > \xi))$

ALPHA 3

$\frac{t}{\xi}$	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.0	1.00000														
-9.8	0.95993														
-9.6	0.95586														
-9.4	0.95568	0.99977													
-9.2	0.95568	0.99977	1.00000												
-9.0	0.95558	0.99977	1.00000												
-8.8	0.95947	0.99966	0.99989												
-8.6	0.95535	0.99553	0.99577												
-8.4	0.99521	0.99340	0.99563	0.99593											
-8.2	0.99507	0.99925	0.99948	0.99978											
-8.0	0.99590	0.99500	0.99532	0.99562	1.00000										
-7.8	0.99872	0.99850	0.99914	0.99944	0.99982										
-7.6	0.99552	0.99870	0.99894	0.99923	0.99962										
-7.4	0.99830	0.99848	0.99871	0.99901	0.99939	0.99985									
-7.2	0.99778	0.99786	0.99819	0.99849	0.99887	0.99937	1.00000								
-7.0	0.99747	0.99766	0.99789	0.99815	0.99857	0.99906	0.99957	0.99993							
-6.8	0.99714	0.99732	0.99756	0.99785	0.99824	0.99873	0.99926	0.99983							
-6.6	0.99677	0.99695	0.99718	0.99746	0.99786	0.99836	0.99899	0.99981							
-6.4	0.99635	0.99654	0.99677	0.99707	0.99745	0.99794	0.99857	0.99935							
-6.2	0.99593	0.99611	0.99631	0.99661	0.99699	0.99748	0.99812	0.99882	1.00000						
-5.8	0.99535	0.99557	0.99580	0.99610	0.99648	0.99697	0.99760	0.99842	0.99949						
-5.6	0.99482	0.99500	0.99523	0.99553	0.99591	0.99640	0.99703	0.99785	0.99882						
-5.4	0.99419	0.99437	0.99460	0.99490	0.99528	0.99577	0.99640	0.99722	0.99828	0.99967					
-5.2	0.99348	0.99366	0.99385	0.99415	0.99457	0.99506	0.99565	0.99631	0.99719	0.99836					
-5.0	0.99269	0.99287	0.99311	0.99340	0.99378	0.99427	0.99490	0.99572	0.99678	0.99817	1.00000				
-4.8	0.99181	0.99195	0.99223	0.99252	0.99290	0.99339	0.99402	0.99484	0.99590	0.99729	0.99896				
-4.6	0.99083	0.99101	0.99124	0.99154	0.99192	0.99241	0.99304	0.99385	0.99491	0.99630	0.99812				
-4.4	0.98972	0.98991	0.99014	0.99043	0.99081	0.99130	0.99193	0.99274	0.99380	0.99519	0.99701	0.99942			
-4.2	0.98849	0.98867	0.98890	0.98920	0.98957	0.99006	0.99069	0.99150	0.99256	0.99394	0.99576	0.99918			
-4.0	0.98710	0.98728	0.98751	0.98780	0.98818	0.98867	0.98930	0.99011	0.99116	0.99254	0.99436	0.99841	1.00000		
-3.8	0.98553	0.98571	0.98594	0.98624	0.98661	0.98710	0.98773	0.98854	0.98959	0.99097	0.99279	0.99663	0.99895		
-3.6	0.98377	0.98395	0.98418	0.98447	0.98485	0.98533	0.98596	0.98677	0.98782	0.98920	0.99101	0.99341	0.99661	0.99895	
-3.4	0.98177	0.98195	0.98218	0.98248	0.98285	0.98334	0.98396	0.98477	0.98582	0.98719	0.98900	0.99140	0.99461	0.99895	
-3.2	0.97551	0.97565	0.97592	0.97622	0.97659	0.97707	0.97760	0.97825	0.97906	0.98022	0.98203	0.98447	0.98732	0.99140	0.99666
-3.0	0.97695	0.97713	0.97736	0.97765	0.97803	0.97851	0.97913	0.97985	0.98066	0.98159	0.98339	0.98581	0.98970	0.99466	1.00000
-2.8	0.97403	0.97421	0.97444	0.97473	0.97511	0.97559	0.97620	0.97701	0.97806	0.97922	0.98058	0.98206	0.98377	0.98657	0.99000
-2.6	0.97070	0.97088	0.97111	0.97140	0.97177	0.97225	0.97287	0.97367	0.97470	0.97606	0.97785	0.98022	0.98339	0.98732	0.99140
-2.4	0.96689	0.96707	0.96729	0.96758	0.96795	0.96843	0.96904	0.96984	0.97100	0.97233	0.97401	0.97617	0.97881	0.98206	0.98581
-2.2	0.96250	0.96267	0.96290	0.96315	0.96356	0.96403	0.96464	0.96544	0.96646	0.96781	0.96958	0.97192	0.97508	0.97881	0.98301
-2.0	0.95742	0.95760	0.95782	0.95811	0.95848	0.95895	0.95956	0.96035	0.96137	0.96271	0.96447	0.96681	0.96994	0.97418	0.97901
-1.8	0.95153	0.95170	0.95193	0.95221	0.95258	0.95304	0.95365	0.95442	0.95545	0.95678	0.95853	0.96086	0.96397	0.96818	0.97398
-1.6	0.94463	0.94481	0.94503	0.94531	0.94567	0.94614	0.94674	0.94752	0.94853	0.94985	0.95159	0.95385	0.95658	0.96077	0.96652
-1.4	0.93651	0.93668	0.93690	0.93718	0.93754	0.93800	0.93860	0.93937	0.94032	0.94168	0.94340	0.94569	0.94875	0.95250	0.95860
-1.2	0.92684	0.92701	0.92723	0.92751	0.92786	0.92832	0.92890	0.92967	0.93066	0.93196	0.93366	0.93592	0.93896	0.94306	0.94871
-1.0	0.91520	0.91537	0.91559	0.91586	0.91621	0.91666	0.91724	0.91800	0.91898	0.92026	0.92194	0.92418	0.92717	0.93122	0.93680
-0.8	0.90038	0.90055	0.90077	0.90103	0.90136	0.90197	0.90242	0.90295	0.90373	0.90469	0.90595	0.90761	0.90981	0.91276	0.91675
-0.6	0.88324	0.88341	0.88361	0.88387	0.88421	0.88465	0.88521	0.88593	0.88688	0.88811	0.88974	0.89190	0.89479	0.89870	0.90408
-0.4	0.86046	0.86063	0.86082	0.86108	0.86141	0.86183	0.86238	0.86305	0.86401	0.86521	0.86679	0.86890	0.87171	0.87552	0.88076
-0.2	0.82591	0.82608	0.82626	0.82650	0.82682	0.82723	0.82776	0.82844	0.82933	0.83053	0.83244	0.83609	0.84076	0.84643	0.85429
0.0	0.78575	0.78592	0.78610	0.78631	0.78661	0.78700	0.78750	0.78815	0.78899	0.79009	0.79153	0.79345	0.79602	0.79955	0.80429
0.2	0.71070	0.71083	0.71100	0.71121	0.71148	0.71183	0.71229	0.71287	0.71363	0.71463	0.71593	0.71767	0.71999	0.72314	0.72747

The Conditional Probability: $P(T>t | t>\xi)$

ALPHA 3

-4.8

$\frac{\xi}{t}$	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.0C	1.00000														
-9.8C	0.99994														
-9.6C	0.99987														
-9.4C	0.99979	0.99996													
-9.2C	0.99970	0.99987	0.99996												
-9.0C	0.99961	0.99976	1.00000												
-8.8C	0.99950	0.99967	0.99978												
-8.6C	0.99935	0.99956	0.99978	0.99993											
-8.4C	0.99926	0.99943	0.99965	0.99979	1.00000										
-8.2C	0.99911	0.99929	0.99951	0.99973	0.99993	1.00000									
-8.0C	0.99896	0.99913	0.99935	0.99957	0.99979	0.99996	1.00000								
-7.8C	0.99878	0.99895	0.99917	0.99946	0.99968	0.99988	0.99999	1.00000							
-7.6C	0.99859	0.99876	0.99898	0.99926	0.99953	0.99976	0.99991	0.99998	1.00000						
-7.4C	0.99837	0.99854	0.99876	0.99905	0.99931	0.99954	0.99974	0.99989	0.99996	1.00000					
-7.2C	0.99813	0.99830	0.99852	0.99881	0.99911	0.99936	0.99956	0.99974	0.99988	0.99994	1.00000				
-7.0C	0.99787	0.99804	0.99826	0.99854	0.99881	0.99909	0.99933	0.99952	0.99969	0.99981	0.99993	1.00000			
-6.8C	0.99762	0.99779	0.99796	0.99825	0.99851	0.99876	0.99899	0.99918	0.99933	0.99944	0.99954	0.99961	1.00000		
-6.6C	0.99724	0.99741	0.99763	0.99792	0.99828	0.99876	0.99929	0.99981	0.99991	0.99996	1.00000				
-6.4C	0.99688	0.99705	0.99727	0.99755	0.99792	0.99839	0.99891	0.99944	0.99989	0.99996	1.00000				
-6.2C	0.99647	0.99664	0.99686	0.99714	0.99751	0.99798	0.99851	0.99901	0.99944	0.99981	0.99994	1.00000			
-6.0C	0.99602	0.99619	0.99641	0.99665	0.99696	0.99733	0.99775	0.99815	0.99852	0.99885	0.99911	0.99930	1.00000		
-5.8C	0.99551	0.99568	0.99590	0.99618	0.99655	0.99692	0.99730	0.99767	0.99804	0.99839	0.99871	0.99899	0.99924	1.00000	
-5.6C	0.99495	0.99512	0.99534	0.99562	0.99598	0.99634	0.99670	0.99706	0.99742	0.99778	0.99813	0.99848	0.99883	0.99915	1.00000
-5.4C	0.99431	0.99448	0.99470	0.99495	0.99528	0.99561	0.99594	0.99627	0.99660	0.99693	0.99726	0.99759	0.99792	0.99824	0.99856
-5.2C	0.99361	0.99378	0.99400	0.99428	0.99465	0.99502	0.99539	0.99576	0.99613	0.99650	0.99687	0.99724	0.99761	0.99798	0.99835
-5.0C	0.99282	0.99299	0.99321	0.99345	0.99386	0.99433	0.99484	0.99539	0.99594	0.99649	0.99704	0.99759	0.99814	0.99869	0.99924
-4.8C	0.99193	0.99210	0.99232	0.99261	0.99297	0.99344	0.99396	0.99451	0.99506	0.99561	0.99616	0.99671	0.99726	0.99781	0.99836
-4.6C	0.99094	0.99111	0.99133	0.99161	0.99194	0.99231	0.99274	0.99321	0.99368	0.99415	0.99462	0.99509	0.99556	0.99603	0.99650
-4.4C	0.98983	0.99000	0.99021	0.99050	0.99086	0.99133	0.99184	0.99239	0.99294	0.99349	0.99404	0.99459	0.99514	0.99569	0.99624
-4.2C	0.98857	0.98874	0.98896	0.98924	0.98960	0.99007	0.99054	0.99101	0.99148	0.99195	0.99242	0.99289	0.99336	0.99383	0.99430
-4.0C	0.98716	0.98733	0.98755	0.98783	0.98815	0.98866	0.98927	0.98988	0.99049	0.99110	0.99171	0.99232	0.99293	0.99354	0.99415
-3.8C	0.98556	0.98573	0.98595	0.98623	0.98659	0.98706	0.98767	0.98828	0.98889	0.98950	0.99011	0.99072	0.99133	0.99194	0.99255
-3.6C	0.98376	0.98393	0.98415	0.98443	0.98475	0.98526	0.98587	0.98648	0.98709	0.98770	0.98831	0.98892	0.98953	0.99014	0.99075
-3.4C	0.98172	0.98189	0.98210	0.98238	0.98274	0.98321	0.98382	0.98461	0.98540	0.98619	0.98698	0.98777	0.98856	0.98935	0.99014
-3.2C	0.97940	0.97957	0.97979	0.98006	0.98042	0.98089	0.98149	0.98228	0.98307	0.98386	0.98465	0.98544	0.98623	0.98702	0.98781
-3.0C	0.97676	0.97693	0.97715	0.97742	0.97778	0.97825	0.97885	0.97964	0.98043	0.98122	0.98201	0.98280	0.98359	0.98438	0.98517
-2.8C	0.97375	0.97392	0.97414	0.97441	0.97477	0.97524	0.97584	0.97663	0.97742	0.97821	0.97900	0.97979	0.98058	0.98137	0.98216
-2.6C	0.97031	0.97048	0.97069	0.97097	0.97133	0.97179	0.97239	0.97317	0.97419	0.97554	0.97733	0.97972	0.98294	0.98732	0.99340
-2.4C	0.96636	0.96653	0.96674	0.96701	0.96737	0.96783	0.96843	0.96922	0.97022	0.97157	0.97335	0.97573	0.97893	0.98330	0.98935
-2.2C	0.96180	0.96197	0.96218	0.96245	0.96281	0.96327	0.96386	0.96462	0.96565	0.96699	0.96876	0.97113	0.97432	0.97866	0.98468
-2.0C	0.95653	0.95665	0.95690	0.95718	0.95753	0.95798	0.95857	0.95934	0.96035	0.96168	0.96345	0.96580	0.96897	0.97330	0.97928
-1.8C	0.95039	0.95055	0.95076	0.95103	0.95138	0.95183	0.95242	0.95311	0.95419	0.95551	0.95726	0.95960	0.96275	0.96705	0.97300
-1.6C	0.94331	0.94336	0.94356	0.94383	0.94418	0.94463	0.94521	0.94597	0.94697	0.94828	0.95002	0.95234	0.95546	0.95973	0.96563
-1.4C	0.93471	0.93487	0.93507	0.93534	0.93568	0.93613	0.93670	0.93746	0.93844	0.93974	0.94147	0.94377	0.94687	0.95109	0.95694
-1.2C	0.92476	0.92496	0.92536	0.92582	0.92640	0.92732	0.92860	0.93024	0.93230	0.93486	0.93792	0.94147	0.94554	0.95019	0.95594
-1.0C	0.91242	0.91258	0.91278	0.91304	0.91338	0.91381	0.91437	0.91511	0.91607	0.91734	0.91900	0.92127	0.92429	0.92842	0.93413
-0.8C	0.89754	0.89770	0.89790	0.89815	0.89848	0.89891	0.89946	0.90015	0.90113	0.90238	0.90404	0.90624	0.90922	0.91328	0.91890
-0.6C	0.88524	0.88535	0.88558	0.88582	0.88614	0.88654	0.88707	0.88776	0.88859	0.88955	0.89064	0.89189	0.89329	0.89474	0.89624
-0.4C	0.87524	0.87535	0.87558	0.87582	0.87614	0.87654	0.87707	0.87776	0.87859	0.87955	0.88064	0.88189	0.88329	0.88474	0.88624
-0.2C	0.82353	0.82367	0.82385	0.82408	0.82439	0.82478	0.82529	0.82595	0.82682	0.82797	0.82948	0.83151	0.83424	0.83796	0.84312
0.0C	0.77811	0.77824	0.77842	0.77864	0.77892	0.77929	0.77977	0.78040	0.78122	0.78231	0.78374	0.78565	0.78823	0.79175	0.79662
0.2C	0.70278	0.70290	0.70306	0.70326	0.70352	0.70385	0.70429	0.70485	0.70559	0.70657	0.70787	0.70960	0.71193	0.71510	0.71950
0.4C	0.45570	0.45578	0.45588	0.45601	0.45618	0.45668	0.45704	0.45753	0.45816	0.45881	0.45960	0.46163	0.46369	0.46654	0.47000

The Conditional Probability: $P(T > t | (t > \xi))$

$\frac{t}{\xi}$	-4.6	-4.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.0C	1.00000														
-9.80	0.95994														
-9.60	0.95588														
-9.40	0.99980	0.99956													
-9.20	0.99972	0.99988													
-9.00	0.99563	0.99575	1.00000												
-8.80	0.99953	0.99965	0.99990												
-8.60	0.99542	0.99558	0.99979												
-8.40	0.99530	0.99546	0.99567	0.99594											
-8.20	0.99917	0.99933	0.99953	0.99980											
-8.00	0.99502	0.99518	0.99938	0.99965	1.00000										
-7.80	0.99885	0.99901	0.99921	0.99946	0.99965										
-7.60	0.99866	0.99882	0.99882	0.99882	0.99882	0.99889									
-7.40	0.99845	0.99861	0.99861	0.99861	0.99861	0.99866	0.99889								
-7.20	0.99822	0.99838	0.99838	0.99838	0.99838	0.99844	0.99856	0.99940							
-7.00	0.99796	0.99812	0.99812	0.99812	0.99812	0.99816	0.99821	0.99835	0.99940						
-6.80	0.99768	0.99784	0.99784	0.99784	0.99784	0.99788	0.99793	0.99807	0.99940	1.00000					
-6.60	0.99736	0.99752	0.99752	0.99752	0.99752	0.99756	0.99761	0.99775	0.99844	0.99903					
-6.40	0.99700	0.99716	0.99716	0.99716	0.99716	0.99720	0.99725	0.99739	0.99844	0.99903	0.99982				
-6.20	0.99660	0.99676	0.99676	0.99676	0.99676	0.99680	0.99685	0.99699	0.99844	0.99903	0.99982	1.00000			
-6.00	0.99615	0.99631	0.99631	0.99631	0.99631	0.99635	0.99640	0.99654	0.99844	0.99903	0.99982	1.00000			
-5.80	0.99565	0.99581	0.99581	0.99581	0.99581	0.99585	0.99590	0.99604	0.99844	0.99903	0.99982	1.00000			
-5.60	0.99509	0.99525	0.99525	0.99525	0.99525	0.99529	0.99534	0.99548	0.99844	0.99903	0.99982	1.00000			
-5.40	0.99446	0.99462	0.99462	0.99462	0.99462	0.99466	0.99471	0.99485	0.99844	0.99903	0.99982	1.00000			
-5.20	0.99379	0.99395	0.99395	0.99395	0.99395	0.99399	0.99404	0.99418	0.99844	0.99903	0.99982	1.00000			
-5.00	0.99297	0.99313	0.99313	0.99313	0.99313	0.99317	0.99322	0.99336	0.99844	0.99903	0.99982	1.00000			
-4.80	0.99208	0.99224	0.99224	0.99224	0.99224	0.99228	0.99233	0.99247	0.99844	0.99903	0.99982	1.00000			
-4.60	0.99108	0.99124	0.99124	0.99124	0.99124	0.99128	0.99133	0.99147	0.99844	0.99903	0.99982	1.00000			
-4.40	0.98996	0.99012	0.99012	0.99012	0.99012	0.99016	0.99021	0.99035	0.99844	0.99903	0.99982	1.00000			
-4.20	0.98865	0.98881	0.98881	0.98881	0.98881	0.98885	0.98890	0.98904	0.99844	0.99903	0.99982	1.00000			
-4.00	0.98725	0.98741	0.98741	0.98741	0.98741	0.98745	0.98750	0.98764	0.99844	0.99903	0.99982	1.00000			
-3.80	0.98563	0.98579	0.98579	0.98579	0.98579	0.98583	0.98588	0.98602	0.99844	0.99903	0.99982	1.00000			
-3.60	0.98379	0.98395	0.98395	0.98395	0.98395	0.98399	0.98404	0.98418	0.99844	0.99903	0.99982	1.00000			
-3.40	0.98170	0.98186	0.98186	0.98186	0.98186	0.98190	0.98195	0.98209	0.99844	0.99903	0.99982	1.00000			
-3.20	0.97932	0.97948	0.97948	0.97948	0.97948	0.97952	0.97957	0.97971	0.99844	0.99903	0.99982	1.00000			
-3.00	0.97661	0.97677	0.97677	0.97677	0.97677	0.97681	0.97686	0.97700	0.99844	0.99903	0.99982	1.00000			
-2.80	0.97351	0.97367	0.97367	0.97367	0.97367	0.97371	0.97376	0.97390	0.99844	0.99903	0.99982	1.00000			
-2.60	0.96995	0.97011	0.97011	0.97011	0.97011	0.97015	0.97020	0.97034	0.99844	0.99903	0.99982	1.00000			
-2.40	0.96586	0.96602	0.96602	0.96602	0.96602	0.96606	0.96611	0.96625	0.99844	0.99903	0.99982	1.00000			
-2.20	0.96113	0.96129	0.96129	0.96129	0.96129	0.96133	0.96138	0.96152	0.99844	0.99903	0.99982	1.00000			
-2.00	0.95564	0.95580	0.95580	0.95580	0.95580	0.95584	0.95589	0.95603	0.99844	0.99903	0.99982	1.00000			
-1.80	0.94924	0.94940	0.94940	0.94940	0.94940	0.94944	0.94949	0.94963	0.99844	0.99903	0.99982	1.00000			
-1.60	0.94173	0.94189	0.94189	0.94189	0.94189	0.94193	0.94198	0.94212	0.99844	0.99903	0.99982	1.00000			
-1.40	0.93286	0.93302	0.93302	0.93302	0.93302	0.93306	0.93311	0.93325	0.99844	0.99903	0.99982	1.00000			
-1.20	0.92228	0.92244	0.92244	0.92244	0.92244	0.92248	0.92253	0.92267	0.99844	0.99903	0.99982	1.00000			
-1.00	0.90954	0.90970	0.90970	0.90970	0.90970	0.90974	0.90979	0.90993	0.99844	0.99903	0.99982	1.00000			
-0.80	0.89396	0.89412	0.89412	0.89412	0.89412	0.89416	0.89421	0.89435	0.99844	0.99903	0.99982	1.00000			
-0.60	0.87457	0.87473	0.87473	0.87473	0.87473	0.87477	0.87482	0.87496	0.99844	0.99903	0.99982	1.00000			
-0.40	0.84978	0.84994	0.84994	0.84994	0.84994	0.84998	0.85003	0.85017	0.99844	0.99903	0.99982	1.00000			
-0.20	0.81684	0.81700	0.81700	0.81700	0.81700	0.81704	0.81709	0.81723	0.99844	0.99903	0.99982	1.00000			
0.00	0.77012	0.77028	0.77028	0.77028	0.77028	0.77032	0.77037	0.77051	0.99844	0.99903	0.99982	1.00000			
0.20	0.69447	0.69463	0.69463	0.69463	0.69463	0.69467	0.69472	0.69486	0.99844	0.99903	0.99982	1.00000			
0.40	0.49063	0.49079	0.49079	0.49079	0.49079	0.49083	0.49088	0.49102	0.99844	0.99903	0.99982	1.00000			

The Conditional Probability: $P(T > t | t > \epsilon)$

$\frac{t}{\epsilon}$	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
ALPHA 3															
-10.0C	1.00000														
-9.80	0.99995														
-9.60	0.99989														
-9.40	0.99982	0.99997													
-9.20	0.99974	0.99989													
-9.00	0.99966	0.99981	1.00000												
-8.80	0.99957	0.99972	0.99991												
-8.60	0.99946	0.99961	0.99980												
-8.40	0.99935	0.99950	0.99969	0.99994											
-8.20	0.99927	0.99942	0.99956	0.99981											
-8.00	0.99918	0.99933	0.99947	0.99972	1.00000										
-7.80	0.99909	0.99924	0.99938	0.99963	0.99988										
-7.60	0.99899	0.99914	0.99928	0.99953	0.99978	1.00000									
-7.40	0.99889	0.99904	0.99918	0.99943	0.99968	0.99993									
-7.20	0.99879	0.99894	0.99908	0.99933	0.99958	0.99983	1.00000								
-7.00	0.99869	0.99884	0.99898	0.99923	0.99948	0.99973	0.99998								
-6.80	0.99859	0.99874	0.99888	0.99913	0.99938	0.99963	0.99988	1.00000							
-6.60	0.99849	0.99864	0.99878	0.99903	0.99928	0.99953	0.99978	0.99993	1.00000						
-6.40	0.99839	0.99854	0.99868	0.99893	0.99918	0.99943	0.99968	0.99993	0.99998	1.00000					
-6.20	0.99829	0.99844	0.99858	0.99883	0.99908	0.99933	0.99958	0.99983	0.99998	0.99998	1.00000				
-6.00	0.99819	0.99834	0.99848	0.99873	0.99898	0.99923	0.99948	0.99973	0.99998	0.99998	0.99998	1.00000			
-5.80	0.99809	0.99824	0.99838	0.99863	0.99888	0.99913	0.99938	0.99963	0.99988	0.99993	0.99998	0.99998	1.00000		
-5.60	0.99799	0.99814	0.99828	0.99853	0.99878	0.99903	0.99928	0.99953	0.99978	0.99993	0.99998	0.99998	0.99998	1.00000	
-5.40	0.99789	0.99804	0.99818	0.99843	0.99868	0.99893	0.99918	0.99943	0.99968	0.99993	0.99998	0.99998	0.99998	0.99998	1.00000
-5.20	0.99779	0.99794	0.99808	0.99833	0.99858	0.99883	0.99908	0.99933	0.99958	0.99983	0.99998	0.99998	0.99998	0.99998	1.00000
-5.00	0.99769	0.99784	0.99798	0.99823	0.99848	0.99873	0.99898	0.99923	0.99948	0.99973	0.99998	0.99998	0.99998	0.99998	1.00000
-4.80	0.99759	0.99774	0.99788	0.99813	0.99838	0.99863	0.99888	0.99913	0.99938	0.99963	0.99988	0.99993	0.99998	0.99998	1.00000
-4.60	0.99749	0.99764	0.99778	0.99803	0.99828	0.99853	0.99878	0.99903	0.99928	0.99953	0.99978	0.99993	0.99998	0.99998	1.00000
-4.40	0.99739	0.99754	0.99768	0.99793	0.99818	0.99843	0.99868	0.99893	0.99918	0.99943	0.99968	0.99993	0.99998	0.99998	1.00000
-4.20	0.99729	0.99744	0.99758	0.99783	0.99808	0.99833	0.99858	0.99883	0.99908	0.99933	0.99958	0.99983	0.99998	0.99998	1.00000
-4.00	0.99719	0.99734	0.99748	0.99773	0.99798	0.99823	0.99848	0.99873	0.99898	0.99923	0.99948	0.99973	0.99998	0.99998	1.00000
-3.80	0.99709	0.99724	0.99738	0.99763	0.99788	0.99813	0.99838	0.99863	0.99888	0.99913	0.99938	0.99963	0.99988	0.99998	1.00000
-3.60	0.99699	0.99714	0.99728	0.99753	0.99778	0.99803	0.99828	0.99853	0.99878	0.99903	0.99928	0.99953	0.99978	0.99998	1.00000
-3.40	0.99689	0.99704	0.99718	0.99743	0.99768	0.99793	0.99818	0.99843	0.99868	0.99893	0.99918	0.99943	0.99968	0.99998	1.00000
-3.20	0.99679	0.99694	0.99708	0.99733	0.99758	0.99783	0.99808	0.99833	0.99858	0.99883	0.99908	0.99933	0.99958	0.99983	1.00000
-3.00	0.99669	0.99684	0.99698	0.99723	0.99748	0.99773	0.99798	0.99823	0.99848	0.99873	0.99898	0.99923	0.99948	0.99973	1.00000
-2.80	0.99659	0.99674	0.99688	0.99713	0.99738	0.99763	0.99788	0.99813	0.99838	0.99863	0.99888	0.99913	0.99938	0.99963	1.00000
-2.60	0.99649	0.99664	0.99678	0.99703	0.99728	0.99753	0.99778	0.99803	0.99828	0.99853	0.99878	0.99903	0.99928	0.99953	1.00000
-2.40	0.99639	0.99654	0.99668	0.99693	0.99718	0.99743	0.99768	0.99793	0.99818	0.99843	0.99868	0.99893	0.99918	0.99943	1.00000
-2.20	0.99629	0.99644	0.99658	0.99683	0.99708	0.99733	0.99758	0.99783	0.99808	0.99833	0.99858	0.99883	0.99908	0.99933	1.00000
-2.00	0.99619	0.99634	0.99648	0.99673	0.99698	0.99723	0.99748	0.99773	0.99798	0.99823	0.99848	0.99873	0.99898	0.99923	1.00000
-1.80	0.99609	0.99624	0.99638	0.99663	0.99688	0.99713	0.99738	0.99763	0.99788	0.99813	0.99838	0.99863	0.99888	0.99913	1.00000
-1.60	0.99599	0.99614	0.99628	0.99653	0.99678	0.99703	0.99728	0.99753	0.99778	0.99803	0.99828	0.99853	0.99878	0.99903	1.00000
-1.40	0.99589	0.99604	0.99618	0.99643	0.99668	0.99693	0.99718	0.99743	0.99768	0.99793	0.99818	0.99843	0.99868	0.99893	1.00000
-1.20	0.99579	0.99594	0.99608	0.99633	0.99658	0.99683	0.99708	0.99733	0.99758	0.99783	0.99808	0.99833	0.99858	0.99883	1.00000
-1.00	0.99569	0.99584	0.99598	0.99623	0.99648	0.99673	0.99698	0.99723	0.99748	0.99773	0.99798	0.99823	0.99848	0.99873	1.00000
-0.80	0.99559	0.99574	0.99588	0.99613	0.99638	0.99663	0.99688	0.99713	0.99738	0.99763	0.99788	0.99813	0.99838	0.99863	1.00000
-0.60	0.99549	0.99564	0.99578	0.99603	0.99628	0.99653	0.99678	0.99703	0.99728	0.99753	0.99778	0.99803	0.99828	0.99853	1.00000
-0.40	0.99539	0.99554	0.99568	0.99593	0.99618	0.99643	0.99668	0.99693	0.99718	0.99743	0.99768	0.99793	0.99818	0.99843	1.00000
-0.20	0.99529	0.99544	0.99558	0.99583	0.99608	0.99633	0.99658	0.99683	0.99708	0.99733	0.99758	0.99783	0.99808	0.99833	1.00000
0.00	0.99519	0.99534	0.99548	0.99573	0.99598	0.99623	0.99648	0.99673	0.99698	0.99723	0.99748	0.99773	0.99798	0.99823	1.00000
0.20	0.99509	0.99524	0.99538	0.99563	0.99588	0.99613	0.99638	0.99663	0.99688	0.99713	0.99738	0.99763	0.99788	0.99813	1.00000
0.40	0.99499	0.99514	0.99528	0.99553	0.99578	0.99603	0.99628	0.99653	0.99678	0.99703	0.99728	0.99753	0.99778	0.99803	1.00000

The Conditional Probability: P{T>t (t>ε)}

1.00000	0.99999	0.99997	0.99994	0.99989	0.99982	0.99974	0.99964	0.99952	0.99937	0.99914	0.99883	0.99842	0.99792	0.99728	0.99650	0.99559	0.99443	0.99301	0.99133	0.98944	1.00000	0.99957	0.99911	0.99853	0.99780	0.99695	0.99597	0.99484	0.99352	0.99200	0.99028	0.98835	0.98622	0.98390	0.98130	0.97844	0.97534	0.97200	0.96844	0.96466	0.96066	0.95644	0.95188	0.94700	0.94180	0.93630	0.93050	0.92440	0.91800	0.91130	0.90430	0.89700	0.88950	0.88180	0.87390	0.86580	0.85750	0.84900	0.84030	0.83140	0.82230	0.81300	0.80350	0.79380	0.78390	0.77380	0.76350	0.75290	0.74210	0.73120	0.72010	0.70880	0.69730	0.68560	0.67370	0.66160	0.64930	0.63680	0.62410	0.61120	0.59810	0.58480	0.57130	0.55760	0.54370	0.52960	0.51530	0.50080	0.48610	0.47120	0.45610	0.44080	0.42530	0.40960	0.39370	0.37760	0.36130	0.34480	0.32810	0.31120	0.29410	0.27680	0.25930	0.24160	0.22370	0.20560	0.18730	0.16880	0.15010	0.13120	0.11210	0.09280	0.07330	0.05360	0.03370	0.01360	0.00000
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The Conditional Probability: P(T>t|(t>t))

ALPHA 3	-4.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.0C	1.00000														
-9.80	0.99996														
-9.60	0.99991														
-9.40	0.99985	0.99997													
-9.20	0.99979	0.99991													
-9.00	0.99972	0.99984	1.00000												
-8.80	0.99964	0.99976	0.99992												
-8.60	0.99955	0.99967	0.99983												
-8.40	0.99945	0.99957	0.99973	0.99989											
-8.20	0.99934	0.99946	0.99962	0.99978											
-8.00	0.99921	0.99933	0.99950	0.99967	1.00000										
-7.80	0.99907	0.99919	0.99936	0.99953	0.99970										
-7.60	0.99891	0.99904	0.99920	0.99937	0.99954	0.99971									
-7.40	0.99874	0.99886	0.99902	0.99919	0.99936	0.99953	0.99970								
-7.20	0.99853	0.99866	0.99882	0.99899	0.99916	0.99933	0.99950	0.99967							
-7.00	0.99831	0.99843	0.99859	0.99876	0.99893	0.99910	0.99927	0.99944	0.99961						
-6.80	0.99805	0.99817	0.99833	0.99850	0.99867	0.99884	0.99901	0.99918	0.99935	0.99952					
-6.60	0.99776	0.99788	0.99804	0.99821	0.99838	0.99855	0.99872	0.99889	0.99906	0.99923	0.99940				
-6.40	0.99744	0.99756	0.99772	0.99789	0.99806	0.99823	0.99840	0.99857	0.99874	0.99891	0.99908	0.99925			
-6.20	0.99707	0.99719	0.99735	0.99752	0.99769	0.99786	0.99803	0.99820	0.99837	0.99854	0.99871	0.99888	0.99905		
-6.00	0.99665	0.99677	0.99693	0.99710	0.99727	0.99744	0.99761	0.99778	0.99795	0.99812	0.99829	0.99846	0.99863	0.99880	0.99897
-5.80	0.99618	0.99630	0.99646	0.99663	0.99680	0.99697	0.99714	0.99731	0.99748	0.99765	0.99782	0.99799	0.99816	0.99833	0.99850
-5.60	0.99565	0.99577	0.99593	0.99610	0.99627	0.99644	0.99661	0.99678	0.99695	0.99712	0.99729	0.99746	0.99763	0.99780	0.99797
-5.40	0.99505	0.99517	0.99533	0.99550	0.99567	0.99584	0.99601	0.99618	0.99635	0.99652	0.99669	0.99686	0.99703	0.99720	0.99737
-5.20	0.99436	0.99448	0.99464	0.99481	0.99498	0.99515	0.99532	0.99549	0.99566	0.99583	0.99600	0.99617	0.99634	0.99651	0.99668
-5.00	0.99359	0.99371	0.99387	0.99404	0.99421	0.99438	0.99455	0.99472	0.99489	0.99506	0.99523	0.99540	0.99557	0.99574	0.99591
-4.80	0.99271	0.99283	0.99299	0.99316	0.99333	0.99350	0.99367	0.99384	0.99401	0.99418	0.99435	0.99452	0.99469	0.99486	0.99503
-4.60	0.99171	0.99183	0.99199	0.99216	0.99233	0.99250	0.99267	0.99284	0.99301	0.99318	0.99335	0.99352	0.99369	0.99386	0.99403
-4.40	0.99057	0.99069	0.99085	0.99102	0.99119	0.99136	0.99153	0.99170	0.99187	0.99204	0.99221	0.99238	0.99255	0.99272	0.99289
-4.20	0.98927	0.98939	0.98955	0.98972	0.98989	0.99006	0.99023	0.99040	0.99057	0.99074	0.99091	0.99108	0.99125	0.99142	0.99159
-4.00	0.98778	0.98790	0.98806	0.98823	0.98840	0.98857	0.98874	0.98891	0.98908	0.98925	0.98942	0.98959	0.98976	0.98993	0.99010
-3.80	0.98605	0.98617	0.98633	0.98650	0.98667	0.98684	0.98701	0.98718	0.98735	0.98752	0.98769	0.98786	0.98803	0.98820	0.98837
-3.60	0.98415	0.98427	0.98443	0.98460	0.98477	0.98494	0.98511	0.98528	0.98545	0.98562	0.98579	0.98596	0.98613	0.98630	0.98647
-3.40	0.98193	0.98205	0.98221	0.98238	0.98255	0.98272	0.98289	0.98306	0.98323	0.98340	0.98357	0.98374	0.98391	0.98408	0.98425
-3.20	0.97938	0.97950	0.97966	0.97983	0.97999	0.98016	0.98033	0.98050	0.98067	0.98084	0.98101	0.98118	0.98135	0.98152	0.98169
-3.00	0.97654	0.97666	0.97682	0.97699	0.97716	0.97733	0.97750	0.97767	0.97784	0.97801	0.97818	0.97835	0.97852	0.97869	0.97886
-2.80	0.97305	0.97317	0.97333	0.97350	0.97367	0.97384	0.97401	0.97418	0.97435	0.97452	0.97469	0.97486	0.97503	0.97520	0.97537
-2.60	0.96913	0.96925	0.96941	0.96958	0.96975	0.96992	0.97009	0.97026	0.97043	0.97060	0.97077	0.97094	0.97111	0.97128	0.97145
-2.40	0.96458	0.96470	0.96486	0.96503	0.96520	0.96537	0.96554	0.96571	0.96588	0.96605	0.96622	0.96639	0.96656	0.96673	0.96690
-2.20	0.95958	0.95970	0.95986	0.96003	0.96020	0.96037	0.96054	0.96071	0.96088	0.96105	0.96122	0.96139	0.96156	0.96173	0.96190
-2.00	0.95311	0.95322	0.95338	0.95355	0.95372	0.95389	0.95406	0.95423	0.95440	0.95457	0.95474	0.95491	0.95508	0.95525	0.95542
-1.80	0.94585	0.94596	0.94612	0.94629	0.94646	0.94663	0.94680	0.94697	0.94714	0.94731	0.94748	0.94765	0.94782	0.94799	0.94816
-1.60	0.93759	0.93770	0.93786	0.93803	0.93820	0.93837	0.93854	0.93871	0.93888	0.93905	0.93922	0.93939	0.93956	0.93973	0.93990
-1.40	0.92712	0.92723	0.92739	0.92756	0.92773	0.92790	0.92807	0.92824	0.92841	0.92858	0.92875	0.92892	0.92909	0.92926	0.92943
-1.20	0.91496	0.91507	0.91523	0.91540	0.91557	0.91574	0.91591	0.91608	0.91625	0.91642	0.91659	0.91676	0.91693	0.91710	0.91727
-1.00	0.90027	0.90038	0.90054	0.90071	0.90088	0.90105	0.90122	0.90139	0.90156	0.90173	0.90190	0.90207	0.90224	0.90241	0.90258
-0.80	0.88232	0.88243	0.88259	0.88276	0.88293	0.88310	0.88327	0.88344	0.88361	0.88378	0.88395	0.88412	0.88429	0.88446	0.88463
-0.60	0.86019	0.86030	0.86046	0.86063	0.86080	0.86097	0.86114	0.86131	0.86148	0.86165	0.86182	0.86199	0.86216	0.86233	0.86250
-0.40	0.83179	0.83190	0.83206	0.83223	0.83240	0.83257	0.83274	0.83291	0.83308	0.83325	0.83342	0.83359	0.83376	0.83393	0.83410
-0.20	0.79402	0.79413	0.79429	0.79446	0.79463	0.79480	0.79497	0.79514	0.79531	0.79548	0.79565	0.79582	0.79599	0.79616	0.79633
0.00	0.74395	0.74406	0.74422	0.74439	0.74456	0.74473	0.74490	0.74507	0.74524	0.74541	0.74558	0.74575	0.74592	0.74609	0.74626
0.20	0.66708	0.66719	0.66735	0.66751	0.66767	0.66783	0.66799	0.66815	0.66831	0.66847	0.66863	0.66879	0.66895	0.66911	0.66927
0.40	0.51675	0.51686	0.51702	0.51718	0.51734	0.51750	0.51766	0.51782	0.51798	0.51814	0.51830	0.51846	0.51862	0.51878	0.51894

The Conditional Probability: $P(T > t | (t > \xi))$

ξ	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
ALPHA 3															
-10.00	1.00000														
-9.80	0.99996														
-9.60	0.99987														
-9.40	0.99987	0.99997													
-9.20	0.99981	0.99992													
-9.00	0.99975	0.99986	1.00000												
-8.80	0.99968	0.99978	0.99993												
-8.60	0.99956	0.99966	0.99985												
-8.40	0.99951	0.99961	0.99976	0.99955											
-8.20	0.99940	0.99951	0.99965	0.99985	1.00000										
-8.00	0.99925	0.99935	0.99954	0.99985	0.99995										
-7.80	0.99916	0.99926	0.99941	0.99966	0.99987										
-7.60	0.99901	0.99912	0.99926	0.99946	0.99972										
-7.40	0.99884	0.99895	0.99909	0.99925	0.99955	0.99991									
-7.20	0.99865	0.99876	0.99890	0.99910	0.99936	0.99972	1.00000								
-7.00	0.99844	0.99855	0.99869	0.99889	0.99915	0.99951	0.99987								
-6.80	0.99820	0.99830	0.99845	0.99864	0.99891	0.99927	0.99976								
-6.60	0.99792	0.99803	0.99817	0.99837	0.99863	0.99905	0.99954								
-6.40	0.99761	0.99772	0.99786	0.99806	0.99832	0.99874	0.99921	0.99984							
-6.20	0.99726	0.99736	0.99751	0.99770	0.99797	0.99833	0.99882	0.99948	1.00000						
-6.00	0.99685	0.99696	0.99711	0.99730	0.99756	0.99792	0.99841	0.99908	0.99984						
-5.80	0.99640	0.99651	0.99665	0.99684	0.99711	0.99747	0.99796	0.99863	0.99954						
-5.60	0.99588	0.99595	0.99613	0.99633	0.99655	0.99688	0.99744	0.99811	0.99902						
-5.40	0.99525	0.99540	0.99554	0.99574	0.99600	0.99636	0.99684	0.99752	0.99836	0.99925					
-5.20	0.99462	0.99473	0.99487	0.99506	0.99533	0.99569	0.99618	0.99684	0.99776	0.99870					
-5.00	0.99385	0.99396	0.99411	0.99430	0.99456	0.99492	0.99541	0.99607	0.99689	0.99782	1.00000				
-4.80	0.99298	0.99305	0.99323	0.99343	0.99369	0.99405	0.99454	0.99520	0.99612	0.99703	0.99802				
-4.60	0.99199	0.99205	0.99224	0.99243	0.99265	0.99305	0.99354	0.99420	0.99512	0.99603	0.99702				
-4.40	0.99085	0.99096	0.99110	0.99129	0.99156	0.99191	0.99240	0.99306	0.99398	0.99489	0.99588				
-4.20	0.98955	0.98965	0.98980	0.98995	0.99025	0.99061	0.99110	0.99176	0.99267	0.99357	0.99456	0.99555			
-4.00	0.98806	0.98816	0.98831	0.98850	0.98876	0.98912	0.98960	0.99026	0.99117	0.99203	0.99292	0.99381	0.99470		
-3.80	0.98635	0.98645	0.98659	0.98675	0.98705	0.98740	0.98789	0.98855	0.98946	0.99032	0.99119	0.99206	0.99292	0.99379	
-3.60	0.98438	0.98445	0.98463	0.98482	0.98508	0.98544	0.98592	0.98658	0.98749	0.98835	0.98921	0.99007	0.99092	0.99177	
-3.40	0.98212	0.98222	0.98237	0.98256	0.98282	0.98317	0.98366	0.98431	0.98522	0.98607	0.98692	0.98777	0.98861	0.98945	
-3.20	0.97951	0.97962	0.97976	0.97995	0.98021	0.98056	0.98105	0.98170	0.98260	0.98345	0.98430	0.98514	0.98597	0.98680	
-3.00	0.97650	0.97661	0.97675	0.97694	0.97720	0.97755	0.97803	0.97869	0.97958	0.98042	0.98126	0.98209	0.98291	0.98373	
-2.80	0.97302	0.97312	0.97326	0.97345	0.97371	0.97406	0.97454	0.97519	0.97609	0.97693	0.97776	0.97858	0.97939	0.98019	
-2.60	0.96897	0.96906	0.96922	0.96941	0.96966	0.97001	0.97049	0.97114	0.97203	0.97286	0.97368	0.97449	0.97529	0.97608	
-2.40	0.96427	0.96437	0.96451	0.96470	0.96496	0.96530	0.96578	0.96642	0.96731	0.96814	0.96896	0.96977	0.97057	0.97136	
-2.20	0.95877	0.95886	0.95902	0.95920	0.95946	0.95980	0.96027	0.96092	0.96180	0.96262	0.96343	0.96423	0.96502	0.96580	
-2.00	0.95234	0.95244	0.95258	0.95276	0.95302	0.95336	0.95383	0.95447	0.95534	0.95622	0.95709	0.95795	0.95880	0.95964	
-1.80	0.94476	0.94487	0.94500	0.94519	0.94544	0.94578	0.94624	0.94689	0.94775	0.94862	0.94948	0.95033	0.95117	0.95201	
-1.60	0.93581	0.93551	0.93605	0.93623	0.93648	0.93681	0.93727	0.93790	0.93876	0.93962	0.94047	0.94131	0.94215	0.94298	
-1.40	0.92516	0.92526	0.92539	0.92557	0.92582	0.92615	0.92661	0.92723	0.92808	0.92893	0.92977	0.93061	0.93144	0.93227	
-1.20	0.91240	0.91250	0.91263	0.91281	0.91305	0.91338	0.91383	0.91444	0.91528	0.91614	0.91700	0.91785	0.91869	0.91952	
-1.00	0.89598	0.89722	0.89721	0.89731	0.89762	0.89794	0.89839	0.89895	0.89981	0.90066	0.90150	0.90233	0.90316	0.90398	
-0.80	0.87814	0.87823	0.87836	0.87851	0.87877	0.87908	0.87951	0.88010	0.88081	0.88162	0.88243	0.88323	0.88402	0.88481	
-0.60	0.85478	0.85487	0.85500	0.85516	0.85539	0.85570	0.85612	0.85665	0.85748	0.85839	0.85929	0.86018	0.86106	0.86193	
-0.40	0.82524	0.82532	0.82544	0.82561	0.82583	0.82612	0.82653	0.82708	0.82784	0.82869	0.82953	0.83036	0.83118	0.83200	
-0.20	0.78679	0.78688	0.78699	0.78715	0.78735	0.78764	0.78802	0.78855	0.78928	0.79007	0.79084	0.79160	0.79235	0.79309	
0.00	0.73446	0.73454	0.73465	0.73479	0.73499	0.73525	0.73561	0.73610	0.73678	0.73751	0.73828	0.73909	0.73994	0.74083	
0.20	0.65711	0.65716	0.65728	0.65741	0.65756	0.65782	0.65814	0.65858	0.65919	0.66002	0.66118	0.66279	0.66486	0.66733	
0.40	0.51640	0.51645	0.51653	0.51663	0.51676	0.51695	0.51720	0.51755	0.51803	0.51868	0.51959	0.52086	0.52264	0.52511	

The Conditional Probability: $P(T > t | (t > \xi))$

ALPHA 3 -3.4

$\frac{t - \xi}{t}$	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.0C	1.00000														
-9.80	0.95997														
-9.60	0.95594														
-9.40	0.95990														
-9.20	0.95586														
-9.00	0.95981														
-8.80	0.95577														
-8.60	0.95975														
-8.40	0.95569														
-8.20	0.95963														
-8.00	0.95544														
-7.80	0.95933														
-7.60	0.95521														
-7.40	0.95916														
-7.20	0.95506														
-7.00	0.95890														
-6.80	0.95481														
-6.60	0.95866														
-6.40	0.95456														
-6.20	0.95841														
-6.00	0.95431														
-5.80	0.95816														
-5.60	0.95406														
-5.40	0.95791														
-5.20	0.95381														
-5.00	0.95766														
-4.80	0.95351														
-4.60	0.95736														
-4.40	0.95321														
-4.20	0.95706														
-4.00	0.95291														
-3.80	0.95676														
-3.60	0.95261														
-3.40	0.95646														
-3.20	0.95231														
-3.00	0.95616														
-2.80	0.95201														
-2.60	0.95586														
-2.40	0.95171														
-2.20	0.95556														
-2.00	0.95141														
-1.80	0.95531														
-1.60	0.95116														
-1.40	0.95501														
-1.20	0.95086														
-1.00	0.95471														
-0.80	0.95056														
-0.60	0.95441														
-0.40	0.95026														
-0.20	0.95411														
0.00	0.94996														
0.20	0.94581														
0.40	0.94166														
0.60	0.93751														
0.80	0.93336														
1.00	0.92921														
1.20	0.92506														
1.40	0.92091														
1.60	0.91676														
1.80	0.91261														
2.00	0.90846														
2.20	0.90431														
2.40	0.89916														
2.60	0.89501														
2.80	0.89086														
3.00	0.88671														
3.20	0.88256														
3.40	0.87841														
3.60	0.87426														
3.80	0.87011														
4.00	0.86596														
4.20	0.86181														
4.40	0.85766														
4.60	0.85351														
4.80	0.84936														
5.00	0.84521														
5.20	0.84106														
5.40	0.83691														
5.60	0.83276														
5.80	0.82861														
6.00	0.82446														
6.20	0.82031														
6.40	0.81616														
6.60	0.81201														
6.80	0.80786														
7.00	0.80371														
7.20	0.79956														
7.40	0.79541														
7.60	0.79126														
7.80	0.78711														
8.00	0.78296														
8.20	0.77881														
8.40	0.77466														
8.60	0.77051														
8.80	0.76636														
9.00	0.76221														
9.20	0.75806														
9.40	0.75391														
9.60	0.74976														
9.80	0.74561														
10.00	0.74146														

The Conditional Probability: P{T>t|(t>ξ)}

-10.0C	1.00000	-10.0	0.99999	-9.0	0.99999	-8.0	0.99999	-7.0	0.99999	-6.0	0.99999	-5.0	0.99999	-4.0	0.99999	-3.0	0.99999
-9.80	0.99598	-9.80	0.99988	-8.80	0.99988	-7.80	0.99988	-6.80	0.99988	-5.80	0.99988	-4.80	0.99988	-3.80	0.99988	-2.80	0.99988
-5.60	0.99596	-5.60	0.99986	-4.60	0.99986	-3.60	0.99986	-2.60	0.99986	-1.60	0.99986	-0.60	0.99986	0.40	0.99986	1.40	0.99986
-5.40	0.99593	-5.40	0.99983	-4.40	0.99983	-3.40	0.99983	-2.40	0.99983	-1.40	0.99983	-0.40	0.99983	0.60	0.99983	1.60	0.99983
-5.20	0.99590	-5.20	0.99980	-4.20	0.99980	-3.20	0.99980	-2.20	0.99980	-1.20	0.99980	-0.20	0.99980	0.80	0.99980	1.80	0.99980
-5.00	0.99587	-5.00	0.99977	-4.00	0.99977	-3.00	0.99977	-2.00	0.99977	-1.00	0.99977	0.00	0.99977	1.00	0.99977	2.00	0.99977
-4.80	0.99584	-4.80	0.99974	-3.80	0.99974	-2.80	0.99974	-1.80	0.99974	-0.80	0.99974	0.20	0.99974	1.20	0.99974	2.20	0.99974
-4.60	0.99581	-4.60	0.99971	-3.60	0.99971	-2.60	0.99971	-1.60	0.99971	-0.60	0.99971	0.40	0.99971	1.40	0.99971	2.40	0.99971
-4.40	0.99578	-4.40	0.99968	-3.40	0.99968	-2.40	0.99968	-1.40	0.99968	-0.40	0.99968	0.60	0.99968	1.60	0.99968	2.60	0.99968
-4.20	0.99575	-4.20	0.99965	-3.20	0.99965	-2.20	0.99965	-1.20	0.99965	-0.20	0.99965	0.80	0.99965	1.80	0.99965	2.80	0.99965
-4.00	0.99572	-4.00	0.99962	-3.00	0.99962	-2.00	0.99962	-1.00	0.99962	0.00	0.99962	1.00	0.99962	2.00	0.99962	3.00	0.99962
-3.80	0.99569	-3.80	0.99959	-2.80	0.99959	-1.80	0.99959	-0.80	0.99959	0.20	0.99959	1.20	0.99959	2.20	0.99959	3.20	0.99959
-3.60	0.99566	-3.60	0.99956	-2.60	0.99956	-1.60	0.99956	-0.60	0.99956	0.40	0.99956	1.40	0.99956	2.40	0.99956	3.40	0.99956
-3.40	0.99563	-3.40	0.99953	-2.40	0.99953	-1.40	0.99953	-0.40	0.99953	0.60	0.99953	1.60	0.99953	2.60	0.99953	3.60	0.99953
-3.20	0.99560	-3.20	0.99950	-2.20	0.99950	-1.20	0.99950	-0.20	0.99950	0.80	0.99950	1.80	0.99950	2.80	0.99950	3.80	0.99950
-3.00	0.99557	-3.00	0.99947	-2.00	0.99947	-1.00	0.99947	0.00	0.99947	1.00	0.99947	2.00	0.99947	3.00	0.99947	4.00	0.99947
-2.80	0.99554	-2.80	0.99944	-1.80	0.99944	-0.80	0.99944	0.20	0.99944	1.20	0.99944	2.20	0.99944	3.20	0.99944	4.20	0.99944
-2.60	0.99551	-2.60	0.99941	-1.60	0.99941	-0.60	0.99941	0.40	0.99941	1.40	0.99941	2.40	0.99941	3.40	0.99941	4.40	0.99941
-2.40	0.99548	-2.40	0.99938	-1.40	0.99938	-0.40	0.99938	0.60	0.99938	1.60	0.99938	2.60	0.99938	3.60	0.99938	4.60	0.99938
-2.20	0.99545	-2.20	0.99935	-1.20	0.99935	-0.20	0.99935	0.80	0.99935	1.80	0.99935	2.80	0.99935	3.80	0.99935	4.80	0.99935
-2.00	0.99542	-2.00	0.99932	-1.00	0.99932	0.00	0.99932	1.00	0.99932	2.00	0.99932	3.00	0.99932	4.00	0.99932	5.00	0.99932
-1.80	0.99539	-1.80	0.99929	-0.80	0.99929	0.20	0.99929	1.20	0.99929	2.20	0.99929	3.20	0.99929	4.20	0.99929	5.20	0.99929
-1.60	0.99536	-1.60	0.99926	-0.60	0.99926	0.40	0.99926	1.40	0.99926	2.40	0.99926	3.40	0.99926	4.40	0.99926	5.40	0.99926
-1.40	0.99533	-1.40	0.99923	-0.40	0.99923	0.60	0.99923	1.60	0.99923	2.60	0.99923	3.60	0.99923	4.60	0.99923	5.60	0.99923
-1.20	0.99530	-1.20	0.99920	-0.20	0.99920	0.80	0.99920	1.80	0.99920	2.80	0.99920	3.80	0.99920	4.80	0.99920	5.80	0.99920
-1.00	0.99527	-1.00	0.99917	0.00	0.99917	1.00	0.99917	2.00	0.99917	3.00	0.99917	4.00	0.99917	5.00	0.99917	6.00	0.99917
-0.80	0.99524	-0.80	0.99914	0.20	0.99914	1.20	0.99914	2.20	0.99914	3.20	0.99914	4.20	0.99914	5.20	0.99914	6.20	0.99914
-0.60	0.99521	-0.60	0.99911	0.40	0.99911	1.40	0.99911	2.40	0.99911	3.40	0.99911	4.40	0.99911	5.40	0.99911	6.40	0.99911
-0.40	0.99518	-0.40	0.99908	0.60	0.99908	1.60	0.99908	2.60	0.99908	3.60	0.99908	4.60	0.99908	5.60	0.99908	6.60	0.99908
-0.20	0.99515	-0.20	0.99905	0.80	0.99905	1.80	0.99905	2.80	0.99905	3.80	0.99905	4.80	0.99905	5.80	0.99905	6.80	0.99905
0.00	0.99512	0.00	0.99902	1.00	0.99902	2.00	0.99902	3.00	0.99902	4.00	0.99902	5.00	0.99902	6.00	0.99902	7.00	0.99902
0.20	0.99509	0.20	0.99899	1.20	0.99899	2.20	0.99899	3.20	0.99899	4.20	0.99899	5.20	0.99899	6.20	0.99899	7.20	0.99899
0.40	0.99506	0.40	0.99896	1.40	0.99896	2.40	0.99896	3.40	0.99896	4.40	0.99896	5.40	0.99896	6.40	0.99896	7.40	0.99896
0.60	0.99503	0.60	0.99893	1.60	0.99893	2.60	0.99893	3.60	0.99893	4.60	0.99893	5.60	0.99893	6.60	0.99893	7.60	0.99893
0.80	0.99500	0.80	0.99890	1.80	0.99890	2.80	0.99890	3.80	0.99890	4.80	0.99890	5.80	0.99890	6.80	0.99890	7.80	0.99890
1.00	0.99497	1.00	0.99887	2.00	0.99887	3.00	0.99887	4.00	0.99887	5.00	0.99887	6.00	0.99887	7.00	0.99887	8.00	0.99887
1.20	0.99494	1.20	0.99884	2.20	0.99884	3.20	0.99884	4.20	0.99884	5.20	0.99884	6.20	0.99884	7.20	0.99884	8.20	0.99884
1.40	0.99491	1.40	0.99881	2.40	0.99881	3.40	0.99881	4.40	0.99881	5.40	0.99881	6.40	0.99881	7.40	0.99881	8.40	0.99881
1.60	0.99488	1.60	0.99878	2.60	0.99878	3.60	0.99878	4.60	0.99878	5.60	0.99878	6.60	0.99878	7.60	0.99878	8.60	0.99878
1.80	0.99485	1.80	0.99875	2.80	0.99875	3.80	0.99875	4.80	0.99875	5.80	0.99875	6.80	0.99875	7.80	0.99875	8.80	0.99875
2.00	0.99482	2.00	0.99872	3.00	0.99872	4.00	0.99872	5.00	0.99872	6.00	0.99872	7.00	0.99872	8.00	0.99872	9.00	0.99872
2.20	0.99479	2.20	0.99869	3.20	0.99869	4.20	0.99869	5.20	0.99869	6.20	0.99869	7.20	0.99869	8.20	0.99869	9.20	0.99869
2.40	0.99476	2.40	0.99866	3.40	0.99866	4.40	0.99866	5.40	0.99866	6.40	0.99866	7.40	0.99866	8.40	0.99866	9.40	0.99866
2.60	0.99473	2.60	0.99863	3.60	0.99863	4.60	0.99863	5.60	0.99863	6.60	0.99863	7.60	0.99863	8.60	0.99863	9.60	0.99863
2.80	0.99470	2.80	0.99860	3.80	0.99860	4.80	0.99860	5.80	0.99860	6.80	0.99860	7.80	0.99860	8.80	0.99860	9.80	0.99860
3.00	0.99467	3.00	0.99857	4.00	0.99857	5.00	0.99857	6.00	0.99857	7.00	0.99857	8.00	0.99857	9.00	0.99857	10.00	0.99857
3.20	0.99464	3.20	0.99854	4.20	0.99854	5.20	0.99854	6.20	0.99854	7.20	0.99854	8.20	0.99854	9.20	0.99854	10.20	0.99854
3.40	0.99461	3.40	0.99851	4.40	0.99851	5.40	0.99851	6.40	0.99851	7.40	0.99851	8.40	0.99851	9.40	0.99851	10.40	0.99851
3.60	0.99458	3.60	0.99848	4.60	0.99848	5.60	0.99848	6.60	0.99848	7.60	0.99848	8.60	0.99848	9.60	0.99848	10.60	0.99848
3.80	0.99455	3.80	0.99845	4.80	0.99845	5.80	0.99845	6.80	0.99845	7.80	0.99845	8.80	0.99845	9.80	0.99845	10.80	0.99845
4.00	0.99452	4.00	0.99842	4.80	0.99842	5.80	0.99842	6.80	0.99842	7.80	0.99842	8.80	0.99842	9.80	0.99842	10.80	0.99842
4.20	0.99449	4.20	0.99839	4.80	0.99839	5.80	0.99839	6.80	0.99839	7.80	0.99839	8.80	0.99839	9.80	0.99839	10.80	0.99839
4.40	0.99446	4.40	0.99836	4.80	0.99836	5.80	0.99836	6.80	0.99836	7.80	0.99836	8.80	0.99836	9.80	0.99836	10.80	0.99836
4.60	0.99443	4.60	0.99833	4.80	0.99833	5.80	0.99833	6.80	0.99833	7.80	0.99833	8.80	0.99833	9.80	0.99833	10.80	0.99833
4.80	0.99440	4.80	0.99830	4.80	0.99830	5.80	0.99830	6.80	0.99830	7.80	0.99830	8.80	0.99830	9.80	0.99830	10.80	0.99830
5.00	0.99437	5.00	0.99827	4.80	0.99827	5.80	0.99827	6.80	0.99827	7.80	0.99827	8.80	0.99827	9.80	0.99827	10.80	0.99827
5.20	0.99434	5.20	0.99824	4.80	0.99824	5.80	0.99824	6.80	0.99824	7.80	0.99824	8.80	0.99824	9.80	0.99824	10.80	0.99824
5.40	0.99431	5.40	0.99821	4.80	0.99821	5.80	0.99821	6.80	0.99821	7.80	0.99821	8.80	0.99821	9.80	0.99821	10.80	0.99821
5.60	0.99428	5.60	0.99818	4.80	0.99818	5.80	0.99818	6.80	0.99818	7.80	0.99818	8.80	0.99818	9.80	0.99818	10.80	0.99818
5.80	0.99425	5.80	0.99815	4.80	0.99815	5.80	0.99815	6.80	0.99815	7.80	0.99815	8.80	0.99815	9.80	0.99815	10.80	0.99815
6.00	0.99422	6.00	0.99812	4.80	0.99812	5.80	0.99812	6.80	0.99812	7.80	0.99812	8.80	0.99812	9.80	0.99812	10.80	0.99812
6.20	0.99419	6.20	0.99809	4.80	0.99809	5.80	0.99809	6.80	0.99809	7.80	0.99809	8.80	0.99809	9.80	0.99809	10.80	0.99809
6.40	0.99416	6.40	0.99806	4.80	0.99806	5.80	0.99806	6.80	0.99806	7.80	0.99806	8.80	0.99806				

ALPHA 3

-2.8

The Conditional Probability: P(T>t | (t>ξ))

t	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.00	1.00000														
-9.80	0.99998														
-9.60	0.99997														
-9.40	0.99995	0.99999													
-9.20	0.99992	0.99996	1.00000												
-9.00	0.99989	0.99994	0.99997												
-8.80	0.99986	0.99990	0.99993												
-8.60	0.99982	0.99988	0.99993	0.99997											
-8.40	0.99977	0.99982	0.99988	0.99993	0.99997										
-8.20	0.99972	0.99977	0.99982	0.99987	0.99992	1.00000									
-8.00	0.99966	0.99971	0.99976	0.99981	0.99986	0.99991	0.99995								
-7.80	0.99959	0.99964	0.99969	0.99974	0.99979	0.99984	0.99989	0.99993							
-7.60	0.99950	0.99955	0.99960	0.99965	0.99970	0.99975	0.99980	0.99985	0.99990						
-7.40	0.99941	0.99946	0.99951	0.99956	0.99961	0.99966	0.99971	0.99976	0.99981	0.99986					
-7.20	0.99932	0.99937	0.99942	0.99947	0.99952	0.99957	0.99962	0.99967	0.99972	0.99977	0.99982				
-7.00	0.99923	0.99928	0.99933	0.99938	0.99943	0.99948	0.99953	0.99958	0.99963	0.99968	0.99973	0.99978			
-6.80	0.99914	0.99919	0.99924	0.99929	0.99934	0.99939	0.99944	0.99949	0.99954	0.99959	0.99964	0.99969	0.99974		
-6.60	0.99905	0.99910	0.99915	0.99920	0.99925	0.99930	0.99935	0.99940	0.99945	0.99950	0.99955	0.99960	0.99965	0.99970	
-6.40	0.99896	0.99901	0.99906	0.99911	0.99916	0.99921	0.99926	0.99931	0.99936	0.99941	0.99946	0.99951	0.99956	0.99961	0.99966
-6.20	0.99887	0.99892	0.99897	0.99902	0.99907	0.99912	0.99917	0.99922	0.99927	0.99932	0.99937	0.99942	0.99947	0.99952	0.99957
-6.00	0.99878	0.99883	0.99888	0.99893	0.99898	0.99903	0.99908	0.99913	0.99918	0.99923	0.99928	0.99933	0.99938	0.99943	0.99948
-5.80	0.99869	0.99874	0.99879	0.99884	0.99889	0.99894	0.99899	0.99904	0.99909	0.99914	0.99919	0.99924	0.99929	0.99934	0.99939
-5.60	0.99860	0.99865	0.99870	0.99875	0.99880	0.99885	0.99890	0.99895	0.99900	0.99905	0.99910	0.99915	0.99920	0.99925	0.99930
-5.40	0.99851	0.99856	0.99861	0.99866	0.99871	0.99876	0.99881	0.99886	0.99891	0.99896	0.99901	0.99906	0.99911	0.99916	0.99921
-5.20	0.99842	0.99847	0.99852	0.99857	0.99862	0.99867	0.99872	0.99877	0.99882	0.99887	0.99892	0.99897	0.99902	0.99907	0.99912
-5.00	0.99833	0.99838	0.99843	0.99848	0.99853	0.99858	0.99863	0.99868	0.99873	0.99878	0.99883	0.99888	0.99893	0.99898	0.99903
-4.80	0.99824	0.99829	0.99834	0.99839	0.99844	0.99849	0.99854	0.99859	0.99864	0.99869	0.99874	0.99879	0.99884	0.99889	0.99894
-4.60	0.99815	0.99820	0.99825	0.99830	0.99835	0.99840	0.99845	0.99850	0.99855	0.99860	0.99865	0.99870	0.99875	0.99880	0.99885
-4.40	0.99806	0.99811	0.99816	0.99821	0.99826	0.99831	0.99836	0.99841	0.99846	0.99851	0.99856	0.99861	0.99866	0.99871	0.99876
-4.20	0.99797	0.99802	0.99807	0.99812	0.99817	0.99822	0.99827	0.99832	0.99837	0.99842	0.99847	0.99852	0.99857	0.99862	0.99867
-4.00	0.99788	0.99793	0.99798	0.99803	0.99808	0.99813	0.99818	0.99823	0.99828	0.99833	0.99838	0.99843	0.99848	0.99853	0.99858
-3.80	0.99779	0.99784	0.99789	0.99794	0.99799	0.99804	0.99809	0.99814	0.99819	0.99824	0.99829	0.99834	0.99839	0.99844	0.99849
-3.60	0.99770	0.99775	0.99780	0.99785	0.99790	0.99795	0.99800	0.99805	0.99810	0.99815	0.99820	0.99825	0.99830	0.99835	0.99840
-3.40	0.99761	0.99766	0.99771	0.99776	0.99781	0.99786	0.99791	0.99796	0.99801	0.99806	0.99811	0.99816	0.99821	0.99826	0.99831
-3.20	0.99752	0.99757	0.99762	0.99767	0.99772	0.99777	0.99782	0.99787	0.99792	0.99797	0.99802	0.99807	0.99812	0.99817	0.99822
-3.00	0.99743	0.99748	0.99753	0.99758	0.99763	0.99768	0.99773	0.99778	0.99783	0.99788	0.99793	0.99798	0.99803	0.99808	0.99813
-2.80	0.99734	0.99739	0.99744	0.99749	0.99754	0.99759	0.99764	0.99769	0.99774	0.99779	0.99784	0.99789	0.99794	0.99799	0.99804
-2.60	0.99725	0.99730	0.99735	0.99740	0.99745	0.99750	0.99755	0.99760	0.99765	0.99770	0.99775	0.99780	0.99785	0.99790	0.99795
-2.40	0.99716	0.99721	0.99726	0.99731	0.99736	0.99741	0.99746	0.99751	0.99756	0.99761	0.99766	0.99771	0.99776	0.99781	0.99786
-2.20	0.99707	0.99712	0.99717	0.99722	0.99727	0.99732	0.99737	0.99742	0.99747	0.99752	0.99757	0.99762	0.99767	0.99772	0.99777
-2.00	0.99698	0.99703	0.99708	0.99713	0.99718	0.99723	0.99728	0.99733	0.99738	0.99743	0.99748	0.99753	0.99758	0.99763	0.99768
-1.80	0.99689	0.99694	0.99699	0.99704	0.99709	0.99714	0.99719	0.99724	0.99729	0.99734	0.99739	0.99744	0.99749	0.99754	0.99759
-1.60	0.99680	0.99685	0.99690	0.99695	0.99700	0.99705	0.99710	0.99715	0.99720	0.99725	0.99730	0.99735	0.99740	0.99745	0.99750
-1.40	0.99671	0.99676	0.99681	0.99686	0.99691	0.99696	0.99701	0.99706	0.99711	0.99716	0.99721	0.99726	0.99731	0.99736	0.99741
-1.20	0.99662	0.99667	0.99672	0.99677	0.99682	0.99687	0.99692	0.99697	0.99702	0.99707	0.99712	0.99717	0.99722	0.99727	0.99732
-1.00	0.99653	0.99658	0.99663	0.99668	0.99673	0.99678	0.99683	0.99688	0.99693	0.99698	0.99703	0.99708	0.99713	0.99718	0.99723
-0.80	0.99644	0.99649	0.99654	0.99659	0.99664	0.99669	0.99674	0.99679	0.99684	0.99689	0.99694	0.99699	0.99704	0.99709	0.99714
-0.60	0.99635	0.99640	0.99645	0.99650	0.99655	0.99660	0.99665	0.99670	0.99675	0.99680	0.99685	0.99690	0.99695	0.99700	0.99705
-0.40	0.99626	0.99631	0.99636	0.99641	0.99646	0.99651	0.99656	0.99661	0.99666	0.99671	0.99676	0.99681	0.99686	0.99691	0.99696
-0.20	0.99617	0.99622	0.99627	0.99632	0.99637	0.99642	0.99647	0.99652	0.99657	0.99662	0.99667	0.99672	0.99677	0.99682	0.99687
0.00	0.99608	0.99613	0.99618	0.99623	0.99628	0.99633	0.99638	0.99643	0.99648	0.99653	0.99658	0.99663	0.99668	0.99673	0.99678
0.20	0.99599	0.99604	0.99609	0.99614	0.99619	0.99624	0.99629	0.99634	0.99639	0.99644	0.99649	0.99654	0.99659	0.99664	0.99669
0.40	0.99590	0.99595	0.99600	0.99605	0.99610	0.99615	0.99620	0.99625	0.99630	0.99635	0.99640	0.99645	0.99650	0.99655	0.99660
0.60	0.99581	0.99586	0.99591	0.99596	0.99601	0.99606	0.99611	0.99616	0.99621	0.99626	0.99631	0.99636	0.99641	0.99646	0.99651
0.80	0.99572	0.99577	0.99582	0.99587	0.99592	0.99597	0.99602	0.99607	0.99612	0.99617	0.99622	0.99627	0.99632	0.99637	0.99642
1.00	0.99563	0.99568	0.99573	0.99578	0.99583	0.99588	0.99593	0.99598	0.99603	0.99608	0.99613	0.99618	0.99623	0.99628	0.99633
1.20	0.99554	0.99559	0.99564	0.99569	0.99574	0.99579	0.99584	0.99589	0.99594	0.99599	0.99604	0.99609	0.99614	0.99619	0.99624
1.40	0.99545	0.99550	0.99555	0.99560	0.99565	0.99570	0.99575	0.99580	0.99585	0.99590	0.99595	0.99600	0.99605	0.99610	0.99615
1.60	0.99536	0.99541	0.99546	0.99551	0.99556	0.99561	0.99566	0.99571	0.99576	0.99581	0.99586	0.99591	0.99596	0.99601	0.99606
1.80	0.99527	0.99532	0.99537	0.99542	0.99547	0.99552	0.99557	0.99562	0.99567	0.99572	0.99577	0.99582	0.99587	0.99592	0.99597
2.00	0.99518	0.99523	0.99528	0.99533	0.99538	0.99543	0.99548	0.99553	0.99558	0.99563	0.99568	0.99573	0.99578	0.99583	0.99588
2.20	0.99509	0.99514	0.99519	0.99524	0.99529	0.99534	0.99539	0.99544	0.99549	0.99554	0.99559	0.99564	0.99569	0.99574	0.99579
2.40	0.99500	0.99505	0.99510	0.99515	0.99520	0.99525	0.99530	0.99535	0.99540	0.99545	0.99550	0.99555	0.99560	0.99565	0.99570
2.60	0.99491	0.99496	0.99501	0.99506	0.99511	0.99516	0.99521	0.99526	0.99531	0.99536	0.99541	0.99546	0.99551	0.99556	0.99561
2.80	0.99482	0.99487	0.99492	0.99497	0.99502	0.99507	0.99512	0.99517	0.99522	0.99527	0.99532	0.99537	0.99542	0.99547	0.99552
3.00	0.99473	0.99478	0.99483	0.99488	0.99493	0.99498	0.99503	0.99508	0.99513	0.99518	0.99523	0.99528	0.99533	0.99538	0.99543
3.20	0.99464	0.99469	0.99474	0.99479	0.99484	0.99489	0.99494	0.99499	0.99504	0.99509	0.99514	0.99519	0.99524	0.99529	0.99534
3.40	0.99455	0.99460	0.99465	0.99470	0.99475	0.99480	0.99485	0.99490	0.99495	0.99500	0.99505	0.99510	0.99515	0.99520	0.99525
3.60	0.99446	0.99451	0.99456	0.99461	0.99466	0.99471	0.99476	0.99481	0.99486						

The Conditional Probability: $P(T>t|(t>\epsilon))$

-10.00	1.00000														
-9.80	0.99999														
-9.60	0.99997														
-9.40	0.99996	0.99999													
-9.20	0.99994	0.99997													
-9.00	0.99992	0.99995	1.00000												
-8.80	0.99989	0.99992	0.99997												
-8.60	0.99986	0.99989	0.99994												
-8.40	0.99982	0.99985	0.99991	0.99998											
-8.20	0.99978	0.99981	0.99986	0.99994											
-8.00	0.99973	0.99976	0.99981	0.99988	1.00000										
-7.80	0.99967	0.99970	0.99975	0.99983	0.99994										
-7.60	0.99960	0.99963	0.99968	0.99976	0.99987										
-7.40	0.99952	0.99955	0.99960	0.99967	0.99975	0.99996									
-7.20	0.99942	0.99945	0.99950	0.99958	0.99966	0.99986									
-7.00	0.99930	0.99934	0.99939	0.99946	0.99957	0.99974	1.00000								
-6.80	0.99917	0.99920	0.99925	0.99933	0.99944	0.99961	0.99986								
-6.60	0.99901	0.99904	0.99909	0.99917	0.99928	0.99945	0.99970								
-6.40	0.99882	0.99885	0.99890	0.99898	0.99909	0.99926	0.99952	0.99990							
-6.20	0.99860	0.99863	0.99868	0.99875	0.99887	0.99904	0.99930	0.99968							
-6.00	0.99833	0.99837	0.99842	0.99849	0.99860	0.99877	0.99903	0.99942	1.00000						
-5.80	0.99802	0.99806	0.99811	0.99818	0.99830	0.99846	0.99872	0.99911	0.99969						
-5.60	0.99766	0.99769	0.99774	0.99782	0.99793	0.99810	0.99835	0.99874	0.99932						
-5.40	0.99723	0.99726	0.99731	0.99738	0.99750	0.99767	0.99792	0.99831	0.99889	0.99947					
-5.20	0.99675	0.99678	0.99680	0.99687	0.99699	0.99716	0.99741	0.99780	0.99838	0.99902	1.00000				
-5.00	0.99611	0.99614	0.99619	0.99627	0.99638	0.99655	0.99681	0.99718	0.99757	0.99806	0.99866	1.00000			
-4.80	0.99548	0.99551	0.99555	0.99562	0.99572	0.99589	0.99616	0.99653	0.99692	0.99740	0.99799	0.99868	1.00000		
-4.60	0.99455	0.99458	0.99463	0.99471	0.99481	0.99499	0.99526	0.99563	0.99602	0.99650	0.99709	0.99778	0.99847	1.00000	
-4.40	0.99355	0.99358	0.99363	0.99371	0.99382	0.99399	0.99424	0.99462	0.99501	0.99549	0.99608	0.99677	0.99746	0.99815	1.00000
-4.20	0.99236	0.99240	0.99245	0.99252	0.99263	0.99280	0.99306	0.99344	0.99383	0.99431	0.99479	0.99537	0.99605	0.99674	0.99743
-4.00	0.99096	0.99099	0.99104	0.99111	0.99122	0.99139	0.99165	0.99203	0.99241	0.99289	0.99347	0.99405	0.99473	0.99542	0.99611
-3.80	0.98929	0.98932	0.98937	0.98944	0.98956	0.98972	0.98998	0.99034	0.99071	0.99118	0.99165	0.99212	0.99260	0.99307	0.99354
-3.60	0.98730	0.98734	0.98739	0.98746	0.98758	0.98774	0.98799	0.98837	0.98874	0.98911	0.98948	0.98985	0.99022	0.99059	0.99096
-3.40	0.98495	0.98498	0.98503	0.98511	0.98522	0.98538	0.98564	0.98602	0.98639	0.98676	0.98713	0.98750	0.98787	0.98824	0.98861
-3.20	0.98215	0.98218	0.98223	0.98230	0.98241	0.98258	0.98283	0.98321	0.98358	0.98395	0.98432	0.98469	0.98506	0.98543	0.98580
-3.00	0.97881	0.97884	0.97889	0.97897	0.97908	0.97924	0.97950	0.97987	0.98024	0.98061	0.98098	0.98135	0.98172	0.98209	0.98246
-2.80	0.97484	0.97487	0.97492	0.97499	0.97510	0.97527	0.97552	0.97589	0.97626	0.97663	0.97700	0.97737	0.97774	0.97811	0.97848
-2.60	0.97009	0.97013	0.97017	0.97025	0.97036	0.97052	0.97077	0.97114	0.97151	0.97188	0.97225	0.97262	0.97299	0.97336	0.97373
-2.40	0.96442	0.96446	0.96450	0.96458	0.96468	0.96485	0.96510	0.96547	0.96584	0.96621	0.96658	0.96695	0.96732	0.96769	0.96806
-2.20	0.95764	0.95767	0.95772	0.95779	0.95790	0.95806	0.95831	0.95868	0.95905	0.95942	0.95979	0.96016	0.96053	0.96090	0.96127
-2.00	0.94951	0.94954	0.94958	0.94966	0.94976	0.94993	0.95017	0.95054	0.95091	0.95128	0.95165	0.95202	0.95239	0.95276	0.95313
-1.80	0.93973	0.93977	0.93981	0.93988	0.93999	0.94015	0.94039	0.94075	0.94110	0.94145	0.94180	0.94215	0.94250	0.94285	0.94320
-1.60	0.92977	0.92980	0.92983	0.92988	0.92992	0.92996	0.92999	0.92999	0.92999	0.92999	0.92999	0.92999	0.92999	0.92999	0.92999
-1.40	0.91377	0.91380	0.91384	0.91388	0.91391	0.91394	0.91397	0.91399	0.91401	0.91403	0.91405	0.91407	0.91409	0.91411	0.91413
-1.20	0.89656	0.89659	0.89664	0.89669	0.89674	0.89679	0.89684	0.89689	0.89694	0.89699	0.89704	0.89709	0.89714	0.89719	0.89724
-1.00	0.87564	0.87567	0.87572	0.87578	0.87583	0.87588	0.87593	0.87598	0.87603	0.87608	0.87613	0.87618	0.87623	0.87628	0.87633
-0.80	0.85009	0.85012	0.85016	0.85023	0.85028	0.85033	0.85038	0.85043	0.85048	0.85053	0.85058	0.85063	0.85068	0.85073	0.85078
-0.60	0.81869	0.81872	0.81876	0.81882	0.81887	0.81892	0.81897	0.81902	0.81907	0.81912	0.81917	0.81922	0.81927	0.81932	0.81937
-0.40	0.77980	0.77983	0.77986	0.77992	0.77997	0.78002	0.78007	0.78012	0.78017	0.78022	0.78027	0.78032	0.78037	0.78042	0.78047
-0.20	0.73113	0.73116	0.73119	0.73123	0.73126	0.73129	0.73132	0.73135	0.73138	0.73141	0.73144	0.73147	0.73150	0.73153	0.73156
0.00	0.66532	0.66534	0.66538	0.66543	0.66548	0.66553	0.66558	0.66563	0.66568	0.66573	0.66578	0.66583	0.66588	0.66593	0.66598
0.20	0.58901	0.58903	0.58906	0.58910	0.58913	0.58917	0.58920	0.58923	0.58926	0.58929	0.58932	0.58935	0.58938	0.58941	0.58944
0.40	0.48041	0.48042	0.48045	0.48048	0.48051	0.48054	0.48057	0.48060	0.48063	0.48066	0.48069	0.48072	0.48075	0.48078	0.48081
0.60	0.31570	0.31571	0.31572	0.31575	0.31578	0.31581	0.31584	0.31587	0.31590	0.31593	0.31596	0.31599	0.31602	0.31605	0.31608

-10.0C	1.00000														
-9.8C	0.99599														
-5.6C	0.95599														
-9.4C	0.99998	1.00000													
-5.2C	0.99997	0.99999													
-5.0C	0.99596	0.99597	1.00000												
-8.8C	0.99994	0.99994	0.99994	0.99999											
-8.6C	0.95592	0.95594	0.99997												
-8.4C	0.95590	0.95592	0.99995	0.99995											
-8.2C	0.95988	0.95989	0.99992	0.99996	1.00000										
-8.0C	0.95385	0.95386	0.99989	0.99985	0.99985	0.99985									
-7.8C	0.99981	0.99981	0.99983	0.99983	0.99983	0.99983	0.99983								
-7.6C	0.95376	0.95376	0.99978	0.99975	0.99975	0.99975	0.99975	0.99975							
-7.4C	0.99571	0.99572	0.99973	0.99973	0.99973	0.99973	0.99973	0.99973	0.99973						
-7.2C	0.99565	0.99566	0.99966	0.99966	0.99966	0.99966	0.99966	0.99966	0.99966	0.99966					
-7.0C	0.95557	0.95558	0.99961	0.99961	0.99961	0.99961	0.99961	0.99961	0.99961	0.99961	0.99961				
-6.8C	0.99947	0.99945	0.99952	0.99952	0.99952	0.99952	0.99952	0.99952	0.99952	0.99952	0.99952				
-6.6C	0.99536	0.99938	0.99940	0.99940	0.99940	0.99940	0.99940	0.99940	0.99940	0.99940	0.99940				
-6.4C	0.95522	0.95524	0.99927	0.99927	0.99927	0.99927	0.99927	0.99927	0.99927	0.99927	0.99927	0.99927			
-6.2C	0.99906	0.99907	0.99910	0.99910	0.99910	0.99910	0.99910	0.99910	0.99910	0.99910	0.99910	0.99910			
-6.0C	0.99886	0.99888	0.99890	0.99895	0.99901	0.99912	0.99929	0.99956	1.00000						
-5.8C	0.99862	0.99864	0.99866	0.99871	0.99877	0.99888	0.99905	0.99933	0.99976	0.99982					
-5.6C	0.99833	0.99835	0.99837	0.99842	0.99848	0.99859	0.99876	0.99904	0.99947	0.99982	0.99994				
-5.4C	0.95198	0.99800	0.99803	0.99807	0.99814	0.99824	0.99841	0.99865	0.99912	0.99958	0.99988	0.99997			
-5.2C	0.99156	0.99158	0.99761	0.99765	0.99772	0.99782	0.99799	0.99827	0.99870	0.99940	0.99989	1.00000			
-5.0C	0.99706	0.99707	0.99710	0.99714	0.99721	0.99732	0.99749	0.99776	0.99820	0.99889	0.99928	0.99939	0.99953		
-4.8C	0.99645	0.99649	0.99649	0.99653	0.99660	0.99671	0.99688	0.99715	0.99758	0.99828	0.99889	0.99939	0.99968	0.99985	
-4.6C	0.99571	0.99572	0.99575	0.99575	0.99581	0.99588	0.99599	0.99625	0.99665	0.99716	0.99766	0.99816	0.99856	0.99885	
-4.4C	0.99482	0.99484	0.99486	0.99490	0.99497	0.99508	0.99525	0.99552	0.99585	0.99628	0.99676	0.99726	0.99776	0.99826	
-4.2C	0.99374	0.99376	0.99379	0.99383	0.99390	0.99400	0.99417	0.99445	0.99488	0.99537	0.99591	0.99650	0.99710	0.99770	
-4.0C	0.99245	0.99246	0.99249	0.99253	0.99260	0.99271	0.99288	0.99315	0.99358	0.99407	0.99461	0.99520	0.99580	0.99640	
-3.8C	0.99099	0.99099	0.99102	0.99106	0.99113	0.99124	0.99139	0.99165	0.99204	0.99248	0.99297	0.99352	0.99413	0.99479	0.99550
-3.6C	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999	0.98999
-3.4C	0.98870	0.98871	0.98874	0.98878	0.98885	0.98895	0.98912	0.98936	0.98965	0.98998	0.99036	0.99076	0.99118	0.99163	0.99210
-3.2C	0.98833	0.98835	0.98837	0.98841	0.98848	0.98859	0.98876	0.98904	0.98947	0.98994	0.99044	0.99098	0.99156	0.99218	0.99283
-3.0C	0.98058	0.98060	0.98063	0.98067	0.98073	0.98084	0.98101	0.98127	0.98170	0.98228	0.98304	0.98394	0.98500	0.98621	0.98756
-2.8C	0.97653	0.97655	0.97657	0.97662	0.97668	0.97679	0.97695	0.97722	0.97765	0.97833	0.97919	0.98016	0.98124	0.98244	0.98376
-2.6C	0.97163	0.97164	0.97167	0.97171	0.97178	0.97188	0.97205	0.97231	0.97274	0.97341	0.97426	0.97522	0.97629	0.97747	0.97876
-2.4C	0.96569	0.96570	0.96573	0.96577	0.96584	0.96594	0.96611	0.96637	0.96679	0.96746	0.96824	0.96912	0.97010	0.97118	0.97236
-2.2C	0.95849	0.95850	0.95853	0.95857	0.95863	0.95874	0.95890	0.95916	0.95951	0.96007	0.96074	0.96152	0.96240	0.96338	0.96446
-2.0C	0.94875	0.94877	0.94880	0.94884	0.94890	0.94897	0.94904	0.94911	0.94918	0.94925	0.94932	0.94939	0.94946	0.94953	0.94960
-1.8C	0.93915	0.93917	0.93919	0.93923	0.93930	0.93940	0.93956	0.93982	0.94023	0.94088	0.94193	0.94360	0.94630	0.95066	0.95775
-1.6C	0.92628	0.92625	0.92632	0.92636	0.92642	0.92652	0.92668	0.92693	0.92733	0.92798	0.92901	0.93066	0.93333	0.93763	0.94462
-1.4C	0.91061	0.91063	0.91065	0.91065	0.91075	0.91085	0.91101	0.91126	0.91165	0.91229	0.91330	0.91493	0.91754	0.92177	0.92865
-1.2C	0.89154	0.89156	0.89158	0.89162	0.89168	0.89178	0.89193	0.89217	0.89256	0.89318	0.89418	0.89577	0.89833	0.90247	0.90920
-1.0C	0.86899	0.86831	0.86833	0.86837	0.86842	0.86852	0.86867	0.86890	0.86928	0.86999	0.87240	0.87490	0.87893	0.88548	0.89587
-0.8C	0.83989	0.83590	0.83992	0.83996	0.84002	0.84011	0.84025	0.84048	0.84085	0.84143	0.84237	0.84387	0.84628	0.85188	0.85652
-0.6C	0.83512	0.80513	0.80515	0.80519	0.80524	0.80533	0.80547	0.80565	0.80604	0.80660	0.80750	0.80893	0.81125	0.81498	0.82106
-0.4C	0.76244	0.76245	0.76248	0.76251	0.76256	0.76264	0.76277	0.76298	0.76331	0.76384	0.76469	0.76605	0.76824	0.77178	0.77754
-0.2C	0.70987	0.70988	0.70990	0.70993	0.70998	0.71006	0.71018	0.71031	0.71068	0.71118	0.71197	0.71323	0.71527	0.71857	0.72393
0.0C	0.64479	0.64481	0.64482	0.64485	0.64489	0.64496	0.64507	0.64525	0.64553	0.64598	0.64670	0.64785	0.64970	0.65270	0.65756
0.2C	0.56367	0.56368	0.56369	0.56372	0.56375	0.56381	0.56391	0.56406	0.56431	0.56470	0.56533	0.56634	0.56796	0.57057	0.57483
0.4C	0.46138	0.46139	0.46140	0.46142	0.46145	0.46150	0.46158	0.46171	0.46191	0.46225	0.46275	0.46357	0.46490	0.46704	0.47052
0.6C	0.32572	0.32573	0.32574	0.32575	0.32577	0.32581	0.32597	0.32624	0.32661	0.32706	0.32761	0.32825	0.32897	0.33076	0.33362
0.8C	0.15093	0.15093	0.15094	0.15094	0.15095	0.15097	0.15099	0.15104	0.15110	0.15121	0.15137	0.15164	0.15208	0.15278	0.15352

The Conditional Probability: $P(T > \epsilon | t > \epsilon)$

ALPHA 3

$\frac{\epsilon}{t}$	-2.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.00	1.00000														
-9.80	1.00000														
-9.60	0.99999														
-9.40	0.99999	1.00000													
-9.20	0.99998	0.99999													
-9.00	0.99997	0.99998	1.00000												
-8.80	0.99996	0.99997	0.99998												
-8.60	0.99995	0.99996	0.99997	0.99998											
-8.40	0.99993	0.99994	0.99995	0.99996	0.99997										
-8.20	0.99992	0.99993	0.99994	0.99995	0.99996	0.99997									
-8.00	0.99991	0.99992	0.99993	0.99994	0.99995	0.99996	0.99997	1.00000							
-7.80	0.99989	0.99990	0.99991	0.99992	0.99993	0.99994	0.99995	0.99996	0.99997						
-7.60	0.99987	0.99988	0.99989	0.99990	0.99991	0.99992	0.99993	0.99994	0.99995	0.99996					
-7.40	0.99985	0.99986	0.99987	0.99988	0.99989	0.99990	0.99991	0.99992	0.99993	0.99994	0.99995				
-7.20	0.99982	0.99983	0.99984	0.99985	0.99986	0.99987	0.99988	0.99989	0.99990	0.99991	0.99992	0.99993			
-7.00	0.99979	0.99980	0.99981	0.99982	0.99983	0.99984	0.99985	0.99986	0.99987	0.99988	0.99989	0.99990	0.99991		
-6.80	0.99974	0.99975	0.99976	0.99977	0.99978	0.99979	0.99980	0.99981	0.99982	0.99983	0.99984	0.99985	0.99986	0.99987	
-6.60	0.99968	0.99969	0.99970	0.99971	0.99972	0.99973	0.99974	0.99975	0.99976	0.99977	0.99978	0.99979	0.99980	0.99981	0.99982
-6.40	0.99961	0.99962	0.99963	0.99964	0.99965	0.99966	0.99967	0.99968	0.99969	0.99970	0.99971	0.99972	0.99973	0.99974	0.99975
-6.20	0.99952	0.99953	0.99954	0.99955	0.99956	0.99957	0.99958	0.99959	0.99960	0.99961	0.99962	0.99963	0.99964	0.99965	0.99966
-6.00	0.99942	0.99943	0.99944	0.99945	0.99946	0.99947	0.99948	0.99949	0.99950	0.99951	0.99952	0.99953	0.99954	0.99955	0.99956
-5.80	0.99930	0.99931	0.99932	0.99933	0.99934	0.99935	0.99936	0.99937	0.99938	0.99939	0.99940	0.99941	0.99942	0.99943	0.99944
-5.60	0.99917	0.99918	0.99919	0.99920	0.99921	0.99922	0.99923	0.99924	0.99925	0.99926	0.99927	0.99928	0.99929	0.99930	0.99931
-5.40	0.99903	0.99904	0.99905	0.99906	0.99907	0.99908	0.99909	0.99910	0.99911	0.99912	0.99913	0.99914	0.99915	0.99916	0.99917
-5.20	0.99889	0.99890	0.99891	0.99892	0.99893	0.99894	0.99895	0.99896	0.99897	0.99898	0.99899	0.99900	0.99901	0.99902	0.99903
-5.00	0.99874	0.99875	0.99876	0.99877	0.99878	0.99879	0.99880	0.99881	0.99882	0.99883	0.99884	0.99885	0.99886	0.99887	0.99888
-4.80	0.99858	0.99859	0.99860	0.99861	0.99862	0.99863	0.99864	0.99865	0.99866	0.99867	0.99868	0.99869	0.99870	0.99871	0.99872
-4.60	0.99842	0.99843	0.99844	0.99845	0.99846	0.99847	0.99848	0.99849	0.99850	0.99851	0.99852	0.99853	0.99854	0.99855	0.99856
-4.40	0.99825	0.99826	0.99827	0.99828	0.99829	0.99830	0.99831	0.99832	0.99833	0.99834	0.99835	0.99836	0.99837	0.99838	0.99839
-4.20	0.99808	0.99809	0.99810	0.99811	0.99812	0.99813	0.99814	0.99815	0.99816	0.99817	0.99818	0.99819	0.99820	0.99821	0.99822
-4.00	0.99791	0.99792	0.99793	0.99794	0.99795	0.99796	0.99797	0.99798	0.99799	0.99800	0.99801	0.99802	0.99803	0.99804	0.99805
-3.80	0.99774	0.99775	0.99776	0.99777	0.99778	0.99779	0.99780	0.99781	0.99782	0.99783	0.99784	0.99785	0.99786	0.99787	0.99788
-3.60	0.99757	0.99758	0.99759	0.99760	0.99761	0.99762	0.99763	0.99764	0.99765	0.99766	0.99767	0.99768	0.99769	0.99770	0.99771
-3.40	0.99740	0.99741	0.99742	0.99743	0.99744	0.99745	0.99746	0.99747	0.99748	0.99749	0.99750	0.99751	0.99752	0.99753	0.99754
-3.20	0.99723	0.99724	0.99725	0.99726	0.99727	0.99728	0.99729	0.99730	0.99731	0.99732	0.99733	0.99734	0.99735	0.99736	0.99737
-3.00	0.99706	0.99707	0.99708	0.99709	0.99710	0.99711	0.99712	0.99713	0.99714	0.99715	0.99716	0.99717	0.99718	0.99719	0.99720
-2.80	0.99689	0.99690	0.99691	0.99692	0.99693	0.99694	0.99695	0.99696	0.99697	0.99698	0.99699	0.99700	0.99701	0.99702	0.99703
-2.60	0.99672	0.99673	0.99674	0.99675	0.99676	0.99677	0.99678	0.99679	0.99680	0.99681	0.99682	0.99683	0.99684	0.99685	0.99686
-2.40	0.99655	0.99656	0.99657	0.99658	0.99659	0.99660	0.99661	0.99662	0.99663	0.99664	0.99665	0.99666	0.99667	0.99668	0.99669
-2.20	0.99638	0.99639	0.99640	0.99641	0.99642	0.99643	0.99644	0.99645	0.99646	0.99647	0.99648	0.99649	0.99650	0.99651	0.99652
-2.00	0.99621	0.99622	0.99623	0.99624	0.99625	0.99626	0.99627	0.99628	0.99629	0.99630	0.99631	0.99632	0.99633	0.99634	0.99635
-1.80	0.99604	0.99605	0.99606	0.99607	0.99608	0.99609	0.99610	0.99611	0.99612	0.99613	0.99614	0.99615	0.99616	0.99617	0.99618
-1.60	0.99587	0.99588	0.99589	0.99590	0.99591	0.99592	0.99593	0.99594	0.99595	0.99596	0.99597	0.99598	0.99599	0.99600	0.99601
-1.40	0.99570	0.99571	0.99572	0.99573	0.99574	0.99575	0.99576	0.99577	0.99578	0.99579	0.99580	0.99581	0.99582	0.99583	0.99584
-1.20	0.99553	0.99554	0.99555	0.99556	0.99557	0.99558	0.99559	0.99560	0.99561	0.99562	0.99563	0.99564	0.99565	0.99566	0.99567
-1.00	0.99536	0.99537	0.99538	0.99539	0.99540	0.99541	0.99542	0.99543	0.99544	0.99545	0.99546	0.99547	0.99548	0.99549	0.99550
-0.80	0.99519	0.99520	0.99521	0.99522	0.99523	0.99524	0.99525	0.99526	0.99527	0.99528	0.99529	0.99530	0.99531	0.99532	0.99533
-0.60	0.99502	0.99503	0.99504	0.99505	0.99506	0.99507	0.99508	0.99509	0.99510	0.99511	0.99512	0.99513	0.99514	0.99515	0.99516
-0.40	0.99485	0.99486	0.99487	0.99488	0.99489	0.99490	0.99491	0.99492	0.99493	0.99494	0.99495	0.99496	0.99497	0.99498	0.99499
-0.20	0.99468	0.99469	0.99470	0.99471	0.99472	0.99473	0.99474	0.99475	0.99476	0.99477	0.99478	0.99479	0.99480	0.99481	0.99482
0.00	0.99451	0.99452	0.99453	0.99454	0.99455	0.99456	0.99457	0.99458	0.99459	0.99460	0.99461	0.99462	0.99463	0.99464	0.99465
0.20	0.99434	0.99435	0.99436	0.99437	0.99438	0.99439	0.99440	0.99441	0.99442	0.99443	0.99444	0.99445	0.99446	0.99447	0.99448
0.40	0.99417	0.99418	0.99419	0.99420	0.99421	0.99422	0.99423	0.99424	0.99425	0.99426	0.99427	0.99428	0.99429	0.99430	0.99431
0.60	0.99400	0.99401	0.99402	0.99403	0.99404	0.99405	0.99406	0.99407	0.99408	0.99409	0.99410	0.99411	0.99412	0.99413	0.99414
0.80	0.99383	0.99384	0.99385	0.99386	0.99387	0.99388	0.99389	0.99390	0.99391	0.99392	0.99393	0.99394	0.99395	0.99396	0.99397
1.00	0.99366	0.99367	0.99368	0.99369	0.99370	0.99371	0.99372	0.99373	0.99374	0.99375	0.99376	0.99377	0.99378	0.99379	0.99380

The Conditional Probability: P(T>t|(t>E))

t	-10.0	-9.5	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0
-10.0C	1.00000														
-9.80	1.00000														
-9.6C	1.00000														
-9.40	0.99999	1.00000													
-9.2C	0.99999	0.99999	1.00000												
-9.0C	0.99998	0.99998	0.99999	1.00000											
-8.80	0.99998	0.99998	0.99999	0.99999	1.00000										
-8.6C	0.99997	0.99997	0.99999	0.99999	0.99999	1.00000									
-8.40	0.99996	0.99996	0.99998	0.99998	0.99999	0.99999	1.00000								
-8.20	0.99995	0.99995	0.99996	0.99996	0.99997	0.99997	0.99998	1.00000							
-8.0C	0.99994	0.99994	0.99995	0.99995	0.99996	0.99996	0.99997	0.99997	1.00000						
-7.80	0.99991	0.99991	0.99992	0.99992	0.99993	0.99993	0.99994	0.99994	0.99995	1.00000					
-7.6C	0.99989	0.99989	0.99990	0.99990	0.99991	0.99991	0.99992	0.99992	0.99993	0.99993	1.00000				
-7.40	0.99986	0.99986	0.99987	0.99987	0.99988	0.99988	0.99989	0.99989	0.99990	0.99990	0.99991	1.00000			
-7.20	0.99982	0.99982	0.99983	0.99983	0.99984	0.99984	0.99985	0.99985	0.99986	0.99986	0.99987	0.99987	1.00000		
-7.0C	0.99978	0.99978	0.99979	0.99979	0.99980	0.99980	0.99981	0.99981	0.99982	0.99982	0.99983	0.99983	0.99984	1.00000	
-6.80	0.99972	0.99972	0.99973	0.99973	0.99974	0.99974	0.99975	0.99975	0.99976	0.99976	0.99977	0.99977	0.99978	0.99978	1.00000
-6.60	0.99965	0.99965	0.99966	0.99966	0.99967	0.99967	0.99968	0.99968	0.99969	0.99969	0.99970	0.99970	0.99971	0.99971	0.99972
-6.4C	0.99957	0.99957	0.99958	0.99958	0.99959	0.99959	0.99960	0.99960	0.99961	0.99961	0.99962	0.99962	0.99963	0.99963	0.99964
-6.20	0.99946	0.99946	0.99947	0.99947	0.99948	0.99948	0.99949	0.99949	0.99950	0.99950	0.99951	0.99951	0.99952	0.99952	0.99953
-6.0C	0.99933	0.99933	0.99934	0.99934	0.99935	0.99935	0.99936	0.99936	0.99937	0.99937	0.99938	0.99938	0.99939	0.99939	0.99940
-5.80	0.99917	0.99917	0.99918	0.99918	0.99919	0.99919	0.99920	0.99920	0.99921	0.99921	0.99922	0.99922	0.99923	0.99923	0.99924
-5.60	0.99896	0.99896	0.99897	0.99897	0.99898	0.99898	0.99899	0.99899	0.99900	0.99900	0.99901	0.99901	0.99902	0.99902	0.99903
-5.4C	0.99871	0.99871	0.99872	0.99872	0.99873	0.99873	0.99874	0.99874	0.99875	0.99875	0.99876	0.99876	0.99877	0.99877	0.99878
-5.20	0.99840	0.99840	0.99841	0.99841	0.99842	0.99842	0.99843	0.99843	0.99844	0.99844	0.99845	0.99845	0.99846	0.99846	0.99847
-5.00	0.99801	0.99801	0.99802	0.99802	0.99803	0.99803	0.99804	0.99804	0.99805	0.99805	0.99806	0.99806	0.99807	0.99807	0.99808
-4.8C	0.99753	0.99753	0.99754	0.99754	0.99755	0.99755	0.99756	0.99756	0.99757	0.99757	0.99758	0.99758	0.99759	0.99759	0.99760
-4.60	0.99693	0.99693	0.99694	0.99694	0.99695	0.99695	0.99696	0.99696	0.99697	0.99697	0.99698	0.99698	0.99699	0.99699	0.99700
-4.40	0.99620	0.99620	0.99621	0.99621	0.99622	0.99622	0.99623	0.99623	0.99624	0.99624	0.99625	0.99625	0.99626	0.99626	0.99627
-4.20	0.99529	0.99529	0.99530	0.99530	0.99531	0.99531	0.99532	0.99532	0.99533	0.99533	0.99534	0.99534	0.99535	0.99535	0.99536
-4.00	0.99416	0.99416	0.99417	0.99417	0.99418	0.99418	0.99419	0.99419	0.99420	0.99420	0.99421	0.99421	0.99422	0.99422	0.99423
-3.8C	0.99276	0.99276	0.99277	0.99277	0.99278	0.99278	0.99279	0.99279	0.99280	0.99280	0.99281	0.99281	0.99282	0.99282	0.99283
-3.60	0.99103	0.99103	0.99104	0.99104	0.99105	0.99105	0.99106	0.99106	0.99107	0.99107	0.99108	0.99108	0.99109	0.99109	0.99110
-3.4C	0.98889	0.98889	0.98890	0.98890	0.98891	0.98891	0.98892	0.98892	0.98893	0.98893	0.98894	0.98894	0.98895	0.98895	0.98896
-3.20	0.98625	0.98625	0.98626	0.98626	0.98627	0.98627	0.98628	0.98628	0.98629	0.98629	0.98630	0.98630	0.98631	0.98631	0.98632
-3.00	0.98298	0.98298	0.98299	0.98299	0.98300	0.98300	0.98301	0.98301	0.98302	0.98302	0.98303	0.98303	0.98304	0.98304	0.98305
-2.80	0.97895	0.97895	0.97896	0.97896	0.97897	0.97897	0.97898	0.97898	0.97899	0.97899	0.97900	0.97900	0.97901	0.97901	0.97902
-2.60	0.97398	0.97398	0.97399	0.97399	0.97400	0.97400	0.97401	0.97401	0.97402	0.97402	0.97403	0.97403	0.97404	0.97404	0.97405
-2.40	0.96785	0.96785	0.96786	0.96786	0.96787	0.96787	0.96788	0.96788	0.96789	0.96789	0.96790	0.96790	0.96791	0.96791	0.96792
-2.20	0.96030	0.96030	0.96031	0.96031	0.96032	0.96032	0.96033	0.96033	0.96034	0.96034	0.96035	0.96035	0.96036	0.96036	0.96037
-2.00	0.95058	0.95058	0.95059	0.95059	0.95060	0.95060	0.95061	0.95061	0.95062	0.95062	0.95063	0.95063	0.95064	0.95064	0.95065
-1.8C	0.93954	0.93954	0.93955	0.93955	0.93956	0.93956	0.93957	0.93957	0.93958	0.93958	0.93959	0.93959	0.93960	0.93960	0.93961
-1.60	0.92548	0.92548	0.92549	0.92549	0.92550	0.92550	0.92551	0.92551	0.92552	0.92552	0.92553	0.92553	0.92554	0.92554	0.92555
-1.40	0.90821	0.90821	0.90822	0.90822	0.90823	0.90823	0.90824	0.90824	0.90825	0.90825	0.90826	0.90826	0.90827	0.90827	0.90828
-1.2C	0.88705	0.88705	0.88706	0.88706	0.88707	0.88707	0.88708	0.88708	0.88709	0.88709	0.88710	0.88710	0.88711	0.88711	0.88712
-1.00	0.86116	0.86116	0.86117	0.86117	0.86118	0.86118	0.86119	0.86119	0.86120	0.86120	0.86121	0.86121	0.86122	0.86122	0.86123
-0.80	0.82953	0.82953	0.82954	0.82954	0.82955	0.82955	0.82956	0.82956	0.82957	0.82957	0.82958	0.82958	0.82959	0.82959	0.82960
-0.6C	0.79100	0.79100	0.79101	0.79101	0.79102	0.79102	0.79103	0.79103	0.79104	0.79104	0.79105	0.79105	0.79106	0.79106	0.79107
-0.40	0.74419	0.74419	0.74420	0.74420	0.74421	0.74421	0.74422	0.74422	0.74423	0.74423	0.74424	0.74424	0.74425	0.74425	0.74426
-0.20	0.68752	0.68752	0.68753	0.68753	0.68754	0.68754	0.68755	0.68755	0.68756	0.68756	0.68757	0.68757	0.68758	0.68758	0.68759
0.00	0.61926	0.61926	0.61927	0.61927	0.61928	0.61928	0.61929	0.61929	0.61930	0.61930	0.61931	0.61931	0.61932	0.61932	0.61933
0.20	0.53756	0.53756	0.53757	0.53757	0.53758	0.53758	0.53759	0.53759	0.53760	0.53760	0.53761	0.53761	0.53762	0.53762	0.53763
0.40	0.44071	0.44071	0.44072	0.44072	0.44073	0.44073	0.44074	0.44074	0.44075	0.44075	0.44076	0.44076	0.44077	0.44077	0.44078
0.60	0.32760	0.32760	0.32761	0.32761	0.32762	0.32762	0.32763	0.32763	0.32764	0.32764	0.32765	0.32765	0.32766	0.32766	0.32767
0.80	0.15511	0.15511	0.15512	0.15512	0.15513	0.15513	0.15514	0.15514	0.15515	0.15515	0.15516	0.15516	0.15517	0.15517	0.15518

The Conditional Probability: $P(T > t | (t > \xi))$

ξ	-9.0	-8.5	-8.0	-7.5	-7.0	-6.5	-6.0	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0	-2.5	-2.0
-9.0C	1.00000														
-8.6C	1.00000														
-8.6C	1.00000														
-8.4C	1.00000	1.00000													
-8.2C	1.00000	1.00000	1.00000												
-8.0C	0.99999	0.99995	1.00000												
-7.80	0.99999	0.99995	1.00000												
-7.6C	0.99598	0.99558	0.99999												
-7.40	0.99598	0.99558	0.99999	1.00000											
-7.20	0.99597	0.99597	0.99998	0.99999											
-7.00	0.99596	0.99596	0.99997	0.99998	1.00000										
-6.80	0.99595	0.99595	0.99995	0.99995	0.99996										
-6.6C	0.99593	0.99593	0.99993	0.99993	0.99994	0.99997									
-6.40	0.99590	0.99590	0.99991	0.99991	0.99992	0.99994	0.99999								
-6.20	0.99587	0.99587	0.99987	0.99987	0.99988	0.99991	0.99994	0.99999							
-6.0C	0.99582	0.99582	0.99983	0.99983	0.99984	0.99986	0.99991	1.00000							
-5.80	0.99576	0.99576	0.99977	0.99977	0.99978	0.99980	0.99984	0.99989	1.00000						
-5.60	0.99568	0.99568	0.99968	0.99968	0.99969	0.99970	0.99972	0.99975	0.99978						
-5.40	0.99557	0.99557	0.99957	0.99957	0.99958	0.99959	0.99960	0.99961	0.99962	0.99965					
-5.20	0.99542	0.99543	0.99943	0.99943	0.99944	0.99944	0.99944	0.99944	0.99944	0.99945	0.99947				
-5.00	0.99523	0.99524	0.99924	0.99924	0.99925	0.99925	0.99925	0.99925	0.99925	0.99925	0.99925	0.99925	0.99925		
-4.80	0.99898	0.99898	0.99899	0.99899	0.99900	0.99900	0.99900	0.99900	0.99900	0.99900	0.99900	0.99900	0.99900	0.99900	
-4.4C	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821	0.99821
-4.20	0.99763	0.99763	0.99764	0.99764	0.99765	0.99765	0.99765	0.99765	0.99765	0.99765	0.99765	0.99765	0.99765	0.99765	0.99765
-4.00	0.99687	0.99687	0.99687	0.99687	0.99688	0.99688	0.99688	0.99688	0.99688	0.99688	0.99688	0.99688	0.99688	0.99688	0.99688
-3.80	0.99587	0.99587	0.99587	0.99587	0.99588	0.99588	0.99588	0.99588	0.99588	0.99588	0.99588	0.99588	0.99588	0.99588	0.99588
-3.60	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457	0.99457
-3.4C	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287	0.99287
-3.20	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066	0.99066
-3.00	0.98779	0.98779	0.98780	0.98780	0.98781	0.98781	0.98781	0.98781	0.98781	0.98781	0.98781	0.98781	0.98781	0.98781	0.98781
-2.80	0.98408	0.98408	0.98409	0.98409	0.98410	0.98410	0.98410	0.98410	0.98410	0.98410	0.98410	0.98410	0.98410	0.98410	0.98410
-2.60	0.97930	0.97930	0.97931	0.97931	0.97932	0.97932	0.97932	0.97932	0.97932	0.97932	0.97932	0.97932	0.97932	0.97932	0.97932
-2.40	0.97317	0.97317	0.97317	0.97317	0.97318	0.97318	0.97318	0.97318	0.97318	0.97318	0.97318	0.97318	0.97318	0.97318	0.97318
-2.20	0.96532	0.96532	0.96533	0.96533	0.96534	0.96534	0.96534	0.96534	0.96534	0.96534	0.96534	0.96534	0.96534	0.96534	0.96534
-2.00	0.95534	0.95534	0.95534	0.95534	0.95535	0.95535	0.95535	0.95535	0.95535	0.95535	0.95535	0.95535	0.95535	0.95535	0.95535
-1.80	0.94269	0.94269	0.94269	0.94269	0.94270	0.94270	0.94270	0.94270	0.94270	0.94270	0.94270	0.94270	0.94270	0.94270	0.94270
-1.6C	0.92676	0.92676	0.92677	0.92677	0.92678	0.92678	0.92678	0.92678	0.92678	0.92678	0.92678	0.92678	0.92678	0.92678	0.92678
-1.40	0.90683	0.90683	0.90683	0.90683	0.90684	0.90684	0.90684	0.90684	0.90684	0.90684	0.90684	0.90684	0.90684	0.90684	0.90684
-1.20	0.88206	0.88206	0.88207	0.88207	0.88208	0.88208	0.88208	0.88208	0.88208	0.88208	0.88208	0.88208	0.88208	0.88208	0.88208
-1.00	0.85154	0.85154	0.85154	0.85154	0.85155	0.85155	0.85155	0.85155	0.85155	0.85155	0.85155	0.85155	0.85155	0.85155	0.85155
-0.80	0.81426	0.81426	0.81427	0.81427	0.81428	0.81428	0.81428	0.81428	0.81428	0.81428	0.81428	0.81428	0.81428	0.81428	0.81428
-0.60	0.76925	0.76925	0.76925	0.76925	0.76926	0.76926	0.76926	0.76926	0.76926	0.76926	0.76926	0.76926	0.76926	0.76926	0.76926
-0.40	0.71556	0.71556	0.71556	0.71556	0.71557	0.71557	0.71557	0.71557	0.71557	0.71557	0.71557	0.71557	0.71557	0.71557	0.71557
-0.20	0.65251	0.65251	0.65251	0.65251	0.65252	0.65252	0.65252	0.65252	0.65252	0.65252	0.65252	0.65252	0.65252	0.65252	0.65252
0.00	0.57982	0.57982	0.57982	0.57982	0.57983	0.57983	0.57983	0.57983	0.57983	0.57983	0.57983	0.57983	0.57983	0.57983	0.57983
0.20	0.49792	0.49792	0.49792	0.49792	0.49793	0.49793	0.49793	0.49793	0.49793	0.49793	0.49793	0.49793	0.49793	0.49793	0.49793
0.40	0.40832	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833	0.40833
0.60	0.31401	0.31401	0.31401	0.31401	0.31402	0.31402	0.31402	0.31402	0.31402	0.31402	0.31402	0.31402	0.31402	0.31402	0.31402
0.80	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989	0.21989
1.00	0.13299	0.13299	0.13299	0.13299	0.13300	0.13300	0.13300	0.13300	0.13300	0.13300	0.13300	0.13300	0.13300	0.13300	0.13300
1.20	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223	0.06223
1.40	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666	0.01666
1.6C	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045	0.00045

The Conditional Probability: $P\{T>t | (t>E)\}$

ALPHA 3	-C.6	-8.5	-8.0	-7.5	-7.0	-6.5	-6.C	-5.5	-5.0	-4.5	-4.0	-3.5	-3.0	-2.5	-2.0
-9.0C	1.00000														
-8.8C	1.00000														
-8.6C	1.00000														
-8.4C	1.00000														
-8.2C	1.00000														
-8.0C	1.00000														
-7.8C	1.00000														
-7.6C	1.00000														
-7.4C	1.00000														
-7.2C	1.00000														
-7.0C	1.00000														
-6.8C	1.00000														
-6.6C	1.00000														
-6.4C	1.00000														
-6.2C	0.99999														
-6.0C	0.99999														
-5.8C	0.99998														
-5.6C	0.99997														
-5.4C	0.99995														
-5.2C	0.99993														
-5.0C	0.99989														
-4.8C	0.99983														
-4.6C	0.99974														
-4.4C	0.99960														
-4.2C	0.99939														
-4.0C	0.99909														
-3.8C	0.99863														
-3.6C	0.99797														
-3.4C	0.99700														
-3.2C	0.99560														
-3.0C	0.99360														
-2.8C	0.99078														
-2.6C	0.98682														
-2.4C	0.98134														
-2.2C	0.97385														
-2.0C	0.96372														
-1.8C	0.95023														
-1.6C	0.93252														
-1.4C	0.90963														
-1.2C	0.88056														
-1.0C	0.84434														
-0.8C	0.80012														
-0.6C	0.68591														
-0.4C	0.61633														
0.00	0.53991														
0.2C	0.45881														
0.4C	0.37601														
0.6C	0.29510														
0.8C	0.21993														
1.0C	0.15403														
1.2C	0.10007														
1.4C	0.05531														
1.6C	0.03137														
1.8C	0.01437														

The Conditional Probability: P(T>t|(t>E))

t/E -4.0 -3.5 -3.0 -2.5 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0

Table with 28 columns (t/E values) and 28 rows (ALPHA 3 values). Values range from 0.00000 to 1.00000. The table is symmetric around t/E = 0.0, where values are 1.00000. Values decrease as t/E moves away from 0.0 in both directions.

The Conditional Probability: $P(T > \tau | (t > \xi))$

ALPHA 3	$\frac{\xi}{t}$	-4.0	-3.5	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0
-4.0C	1.00000															
-3.8C	1.00000															
-3.6C	1.00000															
-3.4C	1.00000															
-3.2C	0.99999															
-3.0C	0.99999															
-2.8C	0.99985															
-2.6C	0.99931															
-2.4C	0.99801															
-2.2C	0.99498															
-2.0C	0.98884															
-1.8C	0.97768															
-1.6C	0.95935															
-1.4C	0.93174															
-1.2C	0.89325															
-1.0C	0.84323															
-0.8C	0.78216															
-0.6C	0.71172															
-0.4C	0.62458															
-0.2C	0.55400															
0.0C	0.47340															
0.2C	0.39593															
0.4C	0.32416															
0.6C	0.25990															
0.8C	0.20417															
1.0C	0.15724															
1.2C	0.11880															
1.4C	0.08810															
1.6C	0.06418															
1.8C	0.04596															
2.0C	0.03237															
2.2C	0.02245															
2.4C	0.01533															
2.6C	0.01032															
2.8C	0.00685															
3.0C	0.00448															
3.2C	0.00290															
3.4C	0.00185															
3.6C	0.00117															
3.8C	0.00073															
4.0C	0.00045															
4.2C	0.00027															
4.4C	0.00017															
4.6C	0.00010															
4.8C	0.00006															
5.0C	0.00003															
5.2C	0.00001															
5.4C	0.00001															
5.6C	0.00001															
5.8C	0.00000															
6.0C	0.00000															
6.2C	0.00000															
6.4C	0.00000															
6.6C	0.00000															
6.8C	0.00000															

The Conditional Probability: P(T>t | (t>E))

t \ E -3.0 -2.5 -2.0 -1.5 -1.0 -0.5 0.0 0.5 1.0 1.5 2.0 2.5 3.0 3.5 4.0

Table with 16 columns (t values) and 16 rows (E values). Each cell contains a numerical value representing the conditional probability. Values range from 0.0000 to 1.0000, with some values being 0.0000 or 1.0000.

The Conditional Probability: $P(T \leq t | t > \xi)$

ALPHA 3	0.8	-3.0	-2.5	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0
-3.0C	1.00000															
-2.8C	1.00000															
-2.6C	1.00000															
-2.4C	1.00000															
-2.2C	0.99992															
-2.0C	0.99992															
-1.8C	0.99352															
-1.6C	0.95203															
-1.4C	0.90897															
-1.2C	0.85041															
-1.0C	0.77884															
-0.8C	0.69828															
-0.6C	0.61330															
-0.4C	0.52826															
-0.2C	0.44678															
0.0C	0.37151															
0.2C	0.30411															
0.4C	0.24537															
0.6C	0.19535															
0.8C	0.15362															
1.0C	0.11945															
1.2C	0.09190															
1.4C	0.07003															
1.6C	0.05288															
1.8C	0.03960															
2.0C	0.02942															
2.2C	0.02170															
2.4C	0.01590															
2.6C	0.01158															
2.8C	0.00838															
3.0C	0.00603															
3.2C	0.00432															
3.4C	0.00308															
3.6C	0.00218															
3.8C	0.00154															
4.0C	0.00108															
4.2C	0.00076															
4.4C	0.00053															
4.6C	0.00037															
4.8C	0.00025															
5.0C	0.00018															
5.2C	0.00012															
5.4C	0.00008															
5.6C	0.00006															
5.8C	0.00004															
6.0C	0.00003															
6.2C	0.00002															
6.4C	0.00001															
6.6C	0.00001															
6.8C	0.00001															
7.0C	0.00000															
7.2C	0.00000															
7.4C	0.00000															
7.6C	0.00000															
7.8C	0.00000															

The Conditional Probability: $P(T > t | (t > \epsilon))$

ALPHA 3 1.2

t	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-2.00	1.00000														
-1.80	1.00000														
-1.60	0.95955														
-1.40	0.92334	C. 58838													
-1.20	0.93777	C. 94257													
-1.00	0.86701	C. 87144	1.00000												
-0.80	0.78011	C. 78411	C. 89978												
-0.60	0.68599	C. 68599	C. 79121	0.52667											
-0.40	0.50208	C. 50465	C. 57909	C. 78634	1.00000										
-0.20	0.42018	C. 42233	C. 48464	C. 65808	C. 82700										
0.20	0.34745	C. 34745	C. 40080	C. 54423	C. 67695	0.89978									
0.40	0.28444	C. 28590	C. 32807	C. 44545	C. 57889	C. 72422	1.00000								
0.60	0.23676	C. 23194	C. 26615	C. 36140	C. 44204	C. 53533	C. 62758								
0.80	0.18574	C. 18669	C. 21423	C. 29090	C. 35333	C. 42758	C. 50000								
1.00	0.14846	C. 14922	C. 17124	C. 23252	C. 28069	C. 33252	C. 39440								
1.20	0.11794	C. 11854	C. 13603	C. 18471	C. 22069	C. 26587	C. 31640								
1.40	0.09317	C. 09365	C. 10747	C. 14593	C. 18471	C. 22758	C. 27587								
1.60	0.07324	C. 07362	C. 08448	C. 11471	C. 14593	C. 18471	C. 22758								
1.80	0.05731	C. 05761	C. 06611	C. 08576	C. 10630	C. 13640	C. 16640								
2.00	0.04467	C. 04490	C. 05152	C. 06996	C. 09030	C. 11170	C. 13310								
2.20	0.03468	C. 03486	C. 04000	C. 05432	C. 07069	C. 08806	C. 10644								
2.40	0.02684	C. 02697	C. 03095	C. 04203	C. 05432	C. 06787	C. 08244								
2.60	0.02070	C. 02081	C. 02387	C. 03242	C. 04203	C. 05267	C. 06432								
2.80	0.01592	C. 01600	C. 01836	C. 02493	C. 03389	C. 04432	C. 05629								
3.00	0.01221	C. 01227	C. 01408	C. 01913	C. 02506	C. 03187	C. 03944								
3.20	0.00934	C. 00939	C. 01078	C. 01463	C. 02024	C. 02663	C. 03389								
3.40	0.00713	C. 00717	C. 00823	C. 01117	C. 01697	C. 02378	C. 03144								
3.60	0.00543	C. 00546	C. 00627	C. 00851	C. 01293	C. 01944	C. 02699								
3.80	0.00413	C. 00415	C. 00476	C. 00647	C. 00983	C. 01487	C. 02144								
4.00	0.00317	C. 00315	C. 00361	C. 00491	C. 00746	C. 01122	C. 01611								
4.20	0.00237	C. 00239	C. 00274	C. 00372	C. 00565	C. 00825	C. 01209								
4.40	0.00179	C. 00180	C. 00207	C. 00281	C. 00427	C. 00620	C. 00864								
4.60	0.00135	C. 00136	C. 00156	C. 00212	C. 00322	C. 00458	C. 00613								
4.80	0.00102	C. 00103	C. 00118	C. 00160	C. 00243	C. 00358	C. 00494								
5.00	0.00077	C. 00077	C. 00089	C. 00120	C. 00183	C. 00266	C. 00371								
5.20	0.00058	C. 00058	C. 00067	C. 00091	C. 00138	C. 00205	C. 00288								
5.40	0.00044	C. 00044	C. 00050	C. 00068	C. 00103	C. 00169	C. 00244								
5.60	0.00033	C. 00033	C. 00038	C. 00051	C. 00077	C. 00127	C. 00194								
5.80	0.00024	C. 00025	C. 00028	C. 00038	C. 00058	C. 00095	C. 00164								
6.00	0.00018	C. 00018	C. 00021	C. 00029	C. 00043	C. 00071	C. 00123								
6.20	0.00014	C. 00014	C. 00016	C. 00021	C. 00024	C. 00040	C. 00069								
6.40	0.00010	C. 00010	C. 00012	C. 00016	C. 00018	C. 00030	C. 00051								
6.60	0.00008	C. 00008	C. 00009	C. 00012	C. 00013	C. 00022	C. 00038								
6.80	0.00006	C. 00006	C. 00007	C. 00009	C. 00011	C. 00016	C. 00028								
7.00	0.00004	C. 00004	C. 00005	C. 00007	C. 00010	C. 00016	C. 00028								
7.20	0.00003	C. 00003	C. 00004	C. 00005	C. 00007	C. 00012	C. 00021								
7.40	0.00002	C. 00002	C. 00003	C. 00004	C. 00006	C. 00011	C. 00022								
7.60	0.00001	C. 00001	C. 00002	C. 00003	C. 00005	C. 00010	C. 00022								
7.80	0.00001	C. 00001	C. 00001	C. 00002	C. 00004	C. 00009	C. 00022								
8.00	0.00001	C. 00001	C. 00001	C. 00002	C. 00004	C. 00009	C. 00022								
8.20	0.00001	C. 00001	C. 00001	C. 00002	C. 00004	C. 00009	C. 00022								
8.40	0.00001	C. 00001	C. 00001	C. 00002	C. 00004	C. 00009	C. 00022								
8.60	0.00000	C. 00000	C. 00000	C. 00001	C. 00002	C. 00004	C. 00022								
8.80	0.00000	C. 00000	C. 00000	C. 00001	C. 00002	C. 00004	C. 00022								

The Conditional Probability: $P(T > t | t > \xi)$

ALPHA 3	1.4	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-2.0	1.00000	0.99992	0.99932	0.99832	0.99692	0.99522	0.99322	0.99092	0.98832	0.98542	0.98222	0.97872	0.97492	0.97082	0.96642	0.96172
-1.8	1.00000	0.99932	0.99832	0.99692	0.99522	0.99322	0.99092	0.98832	0.98542	0.98222	0.97872	0.97492	0.97082	0.96642	0.96172	0.95672
-1.6	1.00000	0.99932	0.99832	0.99692	0.99522	0.99322	0.99092	0.98832	0.98542	0.98222	0.97872	0.97492	0.97082	0.96642	0.96172	0.95672
-1.4	0.99932	0.99832	0.99692	0.99522	0.99322	0.99092	0.98832	0.98542	0.98222	0.97872	0.97492	0.97082	0.96642	0.96172	0.95672	0.95172
-1.2	0.96050	0.95950	0.95850	0.95750	0.95650	0.95550	0.95450	0.95350	0.95250	0.95150	0.95050	0.94950	0.94850	0.94750	0.94650	0.94550
-1.0	0.88150	0.88050	0.87950	0.87850	0.87750	0.87650	0.87550	0.87450	0.87350	0.87250	0.87150	0.87050	0.86950	0.86850	0.86750	0.86650
-0.8	0.78359	0.78259	0.78159	0.78059	0.77959	0.77859	0.77759	0.77659	0.77559	0.77459	0.77359	0.77259	0.77159	0.77059	0.76959	0.76859
-0.6	0.68659	0.68559	0.68459	0.68359	0.68259	0.68159	0.68059	0.67959	0.67859	0.67759	0.67659	0.67559	0.67459	0.67359	0.67259	0.67159
-0.4	0.58682	0.58582	0.58482	0.58382	0.58282	0.58182	0.58082	0.57982	0.57882	0.57782	0.57682	0.57582	0.57482	0.57382	0.57282	0.57182
-0.2	0.48888	0.48788	0.48688	0.48588	0.48488	0.48388	0.48288	0.48188	0.48088	0.47988	0.47888	0.47788	0.47688	0.47588	0.47488	0.47388
0.0	0.40654	0.40554	0.40454	0.40354	0.40254	0.40154	0.40054	0.39954	0.39854	0.39754	0.39654	0.39554	0.39454	0.39354	0.39254	0.39154
0.2	0.33567	0.33467	0.33367	0.33267	0.33167	0.33067	0.32967	0.32867	0.32767	0.32667	0.32567	0.32467	0.32367	0.32267	0.32167	0.32067
0.4	0.27476	0.27376	0.27276	0.27176	0.27076	0.26976	0.26876	0.26776	0.26676	0.26576	0.26476	0.26376	0.26276	0.26176	0.26076	0.25976
0.6	0.22346	0.22246	0.22146	0.22046	0.21946	0.21846	0.21746	0.21646	0.21546	0.21446	0.21346	0.21246	0.21146	0.21046	0.20946	0.20846
0.8	0.18073	0.17973	0.17873	0.17773	0.17673	0.17573	0.17473	0.17373	0.17273	0.17173	0.17073	0.16973	0.16873	0.16773	0.16673	0.16573
1.0	0.14546	0.14446	0.14346	0.14246	0.14146	0.14046	0.13946	0.13846	0.13746	0.13646	0.13546	0.13446	0.13346	0.13246	0.13146	0.13046
1.2	0.11658	0.11558	0.11458	0.11358	0.11258	0.11158	0.11058	0.10958	0.10858	0.10758	0.10658	0.10558	0.10458	0.10358	0.10258	0.10158
1.4	0.09308	0.09208	0.09108	0.09008	0.08908	0.08808	0.08708	0.08608	0.08508	0.08408	0.08308	0.08208	0.08108	0.08008	0.07908	0.07808
1.6	0.07408	0.07308	0.07208	0.07108	0.07008	0.06908	0.06808	0.06708	0.06608	0.06508	0.06408	0.06308	0.06208	0.06108	0.06008	0.05908
1.8	0.05877	0.05777	0.05677	0.05577	0.05477	0.05377	0.05277	0.05177	0.05077	0.04977	0.04877	0.04777	0.04677	0.04577	0.04477	0.04377
2.0	0.04651	0.04551	0.04451	0.04351	0.04251	0.04151	0.04051	0.03951	0.03851	0.03751	0.03651	0.03551	0.03451	0.03351	0.03251	0.03151
2.2	0.03671	0.03571	0.03471	0.03371	0.03271	0.03171	0.03071	0.02971	0.02871	0.02771	0.02671	0.02571	0.02471	0.02371	0.02271	0.02171
2.4	0.02891	0.02791	0.02691	0.02591	0.02491	0.02391	0.02291	0.02191	0.02091	0.01991	0.01891	0.01791	0.01691	0.01591	0.01491	0.01391
2.6	0.02273	0.02173	0.02073	0.01973	0.01873	0.01773	0.01673	0.01573	0.01473	0.01373	0.01273	0.01173	0.01073	0.00973	0.00873	0.00773
2.8	0.01783	0.01683	0.01583	0.01483	0.01383	0.01283	0.01183	0.01083	0.00983	0.00883	0.00783	0.00683	0.00583	0.00483	0.00383	0.00283
3.0	0.01397	0.01297	0.01197	0.01097	0.00997	0.00897	0.00797	0.00697	0.00597	0.00497	0.00397	0.00297	0.00197	0.00097	0.00000	0.00000
3.2	0.01092	0.00992	0.00892	0.00792	0.00692	0.00592	0.00492	0.00392	0.00292	0.00192	0.00092	0.00000	0.00000	0.00000	0.00000	0.00000
3.4	0.00853	0.00753	0.00653	0.00553	0.00453	0.00353	0.00253	0.00153	0.00053	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3.6	0.00665	0.00565	0.00465	0.00365	0.00265	0.00165	0.00065	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
3.8	0.00518	0.00418	0.00318	0.00218	0.00118	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4.0	0.00403	0.00303	0.00203	0.00103	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4.2	0.00313	0.00213	0.00113	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4.4	0.00243	0.00143	0.00043	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4.6	0.00188	0.00088	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
4.8	0.00146	0.00046	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5.0	0.00113	0.00013	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5.2	0.00087	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5.4	0.00068	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5.6	0.00052	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
5.8	0.00040	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6.0	0.00031	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6.2	0.00024	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6.4	0.00018	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6.6	0.00014	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
6.8	0.00011	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7.0	0.00008	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7.2	0.00006	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7.4	0.00005	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7.6	0.00004	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
7.8	0.00003	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
8.0	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
8.2	0.00002	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
8.4	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
8.6	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
8.8	0.00001	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000

The Conditional Probability: $P\{T > t | (t, \xi)\}$

ALPHA 3	ξ	1.6																		
		-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0				
-2.0C	1.00000																			
-1.8C	1.00000																			
-1.6C	1.00000																			
-1.4C	1.00000		1.00000																	
-1.2C	0.95090		C.99090																	
-1.0C	0.90312		C.50312	1.00000																
-0.80	0.79004		C.79004	C.87479																
-0.6C	0.67596		C.67596	C.74848																
-0.40	0.57000		C.57000	C.63115	0.91685															
-0.20	0.47565		C.47565	C.52667	0.76512															
0.00	0.39379		C.39379	C.43603	0.63344	1.00000														
0.2C	0.32399		C.32399	C.35874	0.52116	0.82275														
0.40	0.26522		C.26522	C.29367	0.42662	0.67350														
0.6C	0.21620		C.21620	C.23939	0.34778	0.54903														
0.80	0.17563		C.17563	C.19447	0.28251	0.44600	0.73309													
1.00	0.14224		C.14224	C.15750	0.22880	0.36121	0.59372	1.00000												
1.20	0.11490		C.11490	C.12723	0.18483	0.29178	0.47961	0.80779												
1.40	0.09261		C.09261	0.10254	0.14896	0.23517	0.38655	0.65105												
1.6C	0.07449		C.07449	0.08248	0.11982	0.18916	0.31092	0.52367	0.89665											
1.8C	0.05981		C.05981	0.06622	0.09621	0.15188	0.24964	0.42047	0.71994											
2.00	0.04794		C.04794	0.05309	0.07712	0.12175	0.20013	0.32707	0.57114	1.00000										
2.2C	0.03838		C.03838	C.04250	0.06174	0.09746	0.16020	0.26983	0.46200	0.80050										
2.40	0.03068		C.03068	0.03398	0.04930	0.07792	0.12808	0.21572	0.36935	0.63998										
2.6C	0.02450		C.02450	0.02713	0.03941	0.06222	0.10227	0.17226	0.29494	0.51104	0.89348									
2.8C	0.01954		C.01954	C.02164	0.03144	0.04563	0.08158	0.13740	0.23526	0.40764	0.71270									
3.00	0.01557		C.01557	0.01725	0.02505	0.03955	0.06501	0.10949	0.18748	0.32484	0.56794	1.00000								
3.2C	0.01240		C.01240	0.01373	0.01995	0.03149	0.05176	0.08717	0.14924	0.25863	0.45217	0.79616								
3.4C	0.00986		C.00986	0.01092	0.01587	0.02505	0.04117	0.06935	0.11874	0.20574	0.35970	0.63334								
3.6C	0.00784		C.00784	0.00868	0.01261	0.01991	0.03273	0.05512	0.09438	0.16353	0.28592	0.50343								
3.8C	0.00623		C.00623	C.00650	0.01002	0.01582	0.02600	0.04378	0.07497	0.12990	0.22711	0.39588								
4.00	0.00494		C.00494	0.00547	0.00795	0.01255	0.02063	0.03475	0.05951	0.10311	0.18027	0.31741	0.56207	1.00000						
4.2C	0.00392		C.00392	0.00434	0.00631	0.00996	0.01637	0.02757	0.04721	0.08179	0.14300	0.25180	0.44588	0.79328						
4.40	0.00311		C.00311	0.00344	0.00500	0.00790	0.01298	0.02186	0.03743	0.06485	0.11337	0.19962	0.35350	0.62892						
4.60	0.00246		C.00246	0.00273	0.00396	0.00626	0.01028	0.01732	0.02965	0.05138	0.08983	0.15818	0.28010	0.49834	0.89010					
4.8C	0.00195		C.00195	0.00216	0.00314	0.00495	0.00814	0.01372	0.02346	0.04069	0.07115	0.12527	0.22183	0.35467	0.70494					
5.00	0.00154		C.00154	0.00171	0.00248	0.00392	0.00645	0.01086	0.01895	0.03221	0.05632	0.09916	0.17560	0.31241	0.55802					
5.2C	0.00122		C.00122	0.00135	0.00197	0.00310	0.00510	0.00859	0.01471	0.02549	0.04456	0.07846	0.13894	0.24718	0.44151	0.79121				
5.40	0.00097		C.00097	0.00107	0.00155	0.00245	0.00403	0.00679	0.01163	0.02016	0.03524	0.06205	0.10988	0.19550	0.34518	0.62576				
5.60	0.00076		C.00076	0.00085	0.00123	0.00194	0.00319	0.00537	0.00920	0.01594	0.02786	0.04906	0.08687	0.15455	0.27605	0.49469				
5.8C	0.00060		C.00060	0.00067	0.00097	0.00153	0.00252	0.00424	0.00727	0.01259	0.02202	0.03876	0.06864	0.12213	0.21814	0.39092				
6.00	0.00048		C.00048	0.00053	0.00077	0.00121	0.00199	0.00335	0.00574	0.00995	0.01739	0.03062	0.05423	0.09648	0.17233	0.30883				
6.2C	0.00038		C.00038	0.00042	0.00061	0.00096	0.00157	0.00265	0.00453	0.00786	0.01373	0.02418	0.04282	0.07619	0.13609	0.24387				
6.40	0.00030		C.00030	0.00033	0.00048	0.00075	0.00124	0.00209	0.00358	0.00620	0.01084	0.01909	0.03380	0.06014	0.10742	0.19251				
6.60	0.00023		C.00023	0.00026	0.00038	0.00060	0.00098	0.00165	0.00282	0.00489	0.00856	0.01506	0.02667	0.04746	0.08477	0.15190				
6.8C	0.00019		C.00019	0.00020	0.00030	0.00047	0.00077	0.00130	0.00223	0.00386	0.00675	0.01189	0.02105	0.03745	0.06689	0.11987				
7.00	0.00015		C.00015	0.00016	0.00023	0.00037	0.00061	0.00103	0.00176	0.00304	0.00532	0.00937	0.01660	0.02953	0.05274	0.09452				
7.20	0.00012		C.00012	0.00013	0.00019	0.00029	0.00048	0.00081	0.00135	0.00240	0.00420	0.00739	0.01309	0.02328	0.04159	0.07452				
7.40	0.00009		C.00009	0.00010	0.00015	0.00023	0.00038	0.00064	0.00105	0.00189	0.00331	0.00583	0.01032	0.01836	0.03280	0.05878				
7.60	0.00007		C.00007	0.00008	0.00012	0.00018	0.00030	0.00050	0.00086	0.00149	0.00261	0.00459	0.00813	0.01447	0.02584	0.04631				
7.80	0.00006		C.00006	0.00006	0.00009	0.00014	0.00024	0.00040	0.00068	0.00118	0.00206	0.00362	0.00641	0.01141	0.02037	0.03651				
8.00	0.00004		C.00004	0.00005	0.00007	0.00011	0.00020	0.00033	0.00053	0.00093	0.00162	0.00285	0.00505	0.00898	0.01604	0.02875				
8.20	0.00003		C.00003	0.00004	0.00006	0.00009	0.00015	0.00025	0.00042	0.00073	0.00128	0.00225	0.00398	0.00708	0.01264	0.02265				
8.4C	0.00003		C.00003	0.00004	0.00007	0.00011	0.00019	0.00033	0.00057	0.00093	0.00162	0.00285	0.00505	0.00898	0.01604	0.02875				
8.60	0.00002		C.00002	0.00002	0.00003	0.00004	0.00007	0.00011	0.00019	0.00033	0.00057	0.00093	0.00162	0.00285	0.00505	0.00898				
8.80	0.00002		C.00002	0.00002	0.00003	0.00004	0.00007	0.00012	0.00021	0.00036	0.00062	0.00109	0.00194	0.00345	0.00616	0.01104				

The Conditional Probability: $P\{T>t | (t>\epsilon)\}$

$\frac{\epsilon}{t}$	-2.0	-1.5	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-2.0C	1.00000														
-1.8C	1.00000														
-1.6C	1.00000														
-1.4C	1.00000														
-1.2C	1.00000	1.00000													
-1.0C	0.92710	0.5371C	0.00000												
-0.8C	0.80089	0.80089	0.85465												
-0.6C	0.67240	0.67240	0.71753												
-0.4C	0.55930	0.55930	0.55684	0.51121											
-0.2C	0.46245	0.46245	0.49349	0.75341											
0.0C	0.38C75	0.38C75	0.40630	0.62031	1.00000										
0.2C	0.31248	0.31248	0.33346	0.50905	0.82C71										
0.4C	0.25582	0.25582	0.27299	0.41677	0.67188										
0.6C	0.20C500	0.20C500	0.22303	0.34051	0.54893	0.90368									
0.8C	0.17047	0.17047	0.18192	0.27773	0.44773	0.737C8									
1.0C	0.13885	0.13885	0.14817	0.22621	0.36468	0.60035	1.00000								
1.2C	0.11296	0.11296	0.12C54	0.18403	0.29667	0.48840	0.81352								
1.4C	0.09180	0.09180	0.09796	0.14956	0.24110	0.39651	0.66113								
1.6C	0.07454	0.07454	0.07954	0.12143	0.19576	0.32227	0.53680	0.5009E							
1.8C	0.06C47	0.06C47	0.06453	0.09852	0.15882	0.26146	0.43550	0.73096							
2.0C	0.04902	0.04902	0.05231	0.07987	0.12876	0.21197	0.35307	0.5926C	1.00000						
2.2C	0.03572	0.03572	0.04239	0.06471	0.10432	0.17174	0.28606	0.48012	0.81020						
2.4C	0.03216	0.03216	0.03432	0.0524C	0.08447	0.1350C	0.23163	0.38878	0.656C5						
2.6C	0.02603	0.02603	0.02778	0.04241	0.06836	0.11254	0.18746	0.21465	0.53C95	0.89957					
2.8C	0.02106	0.02106	0.02247	0.0343C	0.0553C	0.09104	0.15165	0.25453	0.42951	0.72769					
3.0C	0.01703	0.01703	0.01817	0.02774	0.04472	0.07361	0.12262	0.20581	0.34729	0.58840	1.00000				
3.2C	0.01376	0.01376	0.01469	0.02242	0.03614	0.05950	0.09911	0.16635	0.28C71	0.47559	0.80827				
3.4C	0.01112	0.01112	0.01187	0.01811	0.0252C	0.048C7	0.08008	0.13440	0.22680	0.38426	0.65306				
3.6C	0.0C898	0.0C898	0.00958	0.01463	0.02359	0.03882	0.06468	0.1085C	0.18319	0.31037	0.52748	0.89865			
3.8C	0.00C725	0.00C725	0.00774	0.01181	0.01505	0.03135	0.05222	0.08766	0.14792	0.25061	0.42591	0.72564			
4.0C	0.00585	0.00585	0.00625	0.00954	0.01537	0.02531	0.04216	0.07C76	0.11943	0.20229	0.34380	0.58575			
4.2C	0.00472	0.00472	0.00504	0.00770	0.01241	0.02042	0.03402	0.0571C	0.09636	0.16325	0.27745	0.4727C	0.80700		
4.4C	0.00381	0.00381	0.00407	0.00621	0.01C01	0.01648	0.02745	0.04607	0.07774	0.13171	0.22384	0.38137	0.52516	0.89808	
4.6C	0.00248	0.00248	0.00265	0.00404	0.00651	0.01072	0.01785	0.03154	0.05057	0.08567	0.14560	0.24807	0.42350	0.72424	
4.8C	0.00200	0.00200	0.00213	0.00326	0.00525	0.00864	0.01439	0.02416	0.04077	0.06907	0.11739	0.20000	0.34145	0.58352	
5.0C	0.00161	0.00161	0.00172	0.00262	0.00423	0.00697	0.01160	0.02154	0.03286	0.05057	0.08567	0.14560	0.24807	0.42350	0.72424
5.2C	0.00130	0.00130	0.00139	0.00212	0.00341	0.00561	0.00935	0.01570	0.02649	0.04487	0.07627	0.12994	0.22183	0.37525	0.58352
5.4C	0.00094	0.00094	0.00105	0.00172	0.00275	0.00452	0.00754	0.01265	0.02134	0.03616	0.06145	0.10470	0.17875	0.30568	0.52350
5.6C	0.00068	0.00068	0.00072	0.00112	0.0017C	0.00275	0.00452	0.00754	0.01265	0.02134	0.03616	0.06145	0.10470	0.17875	0.30568
5.8C	0.00058	0.00058	0.00068	0.00105	0.00161	0.00221	0.00364	0.00607	0.01015	0.01720	0.02587	0.0440E	0.07525	0.12869	0.22039
6.0C	0.00044	0.00044	0.00047	0.00072	0.00116	0.00190	0.00317	0.00532	0.00898	0.01522	0.02587	0.0440E	0.07525	0.12869	0.22039
6.2C	0.00035	0.00035	0.00038	0.00058	0.00093	0.00153	0.00255	0.00429	0.00723	0.01226	0.02083	0.03549	0.06059	0.10361	0.17744
6.4C	0.00029	0.00029	0.00030	0.00047	0.00072	0.00123	0.00206	0.00345	0.00583	0.00987	0.01677	0.02858	0.04879	0.08343	0.14288
6.6C	0.00023	0.00023	0.00025	0.00037	0.0006C	0.00099	0.00166	0.00278	0.00469	0.00795	0.01350	0.02301	0.03927	0.06716	0.11502
6.8C	0.00019	0.00019	0.00020	0.0003C	0.00045	0.00068	0.00113	0.00224	0.00377	0.00639	0.01087	0.01851	0.03161	0.05405	0.09257
7.0C	0.00015	0.00015	0.00016	0.00024	0.00039	0.00064	0.00107	0.0018C	0.00304	0.00515	0.00875	0.01490	0.02544	0.04350	0.07450
7.2C	0.00012	0.00012	0.00013	0.00020	0.00031	0.00052	0.00086	0.00145	0.00245	0.00414	0.00704	0.01195	0.02048	0.03502	0.05957
7.4C	0.00010	0.00010	0.00010	0.00016	0.00025	0.00042	0.00069	0.00117	0.00197	0.00333	0.00566	0.00965	0.01648	0.02818	0.04825
7.6C	0.00008	0.00008	0.00008	0.00013	0.00020	0.00034	0.00056	0.00094	0.00158	0.00268	0.00456	0.00777	0.01326	0.02267	0.03883
7.8C	0.00006	0.00006	0.00007	0.00010	0.00016	0.00027	0.00045	0.00075	0.00127	0.00216	0.00367	0.00624	0.01066	0.01823	0.03122
8.0C	0.00004	0.00004	0.00005	0.00008	0.00013	0.00022	0.00036	0.00061	0.00102	0.00174	0.00295	0.00503	0.00858	0.01468	0.02514
8.2C	0.00003	0.00003	0.00004	0.00007	0.00011	0.00017	0.00029	0.00049	0.00082	0.00140	0.00237	0.00404	0.00690	0.01181	0.02022
8.4C	0.00003	0.00003	0.00003	0.00005	0.00009	0.00014	0.00023	0.00035	0.00066	0.00112	0.00191	0.00325	0.00555	0.00949	0.01625
8.6C	0.00003	0.00003	0.00003	0.00004	0.00007	0.00011	0.00019	0.00031	0.00052	0.00086	0.00145	0.00245	0.00414	0.00704	0.01195
8.8C	0.00003	0.00003	0.00003	0.00004	0.00007	0.00011	0.00019	0.00031	0.00052	0.00086	0.00145	0.00245	0.00414	0.00704	0.01195

The Conditional Probability: $P(T > t | (t \leq T))$

ALPHA 3	2.0		1.5		1.0		0.5		0.0		-0.5		-1.0	
	$\frac{F}{t}$	t	$\frac{F}{t}$	t	$\frac{F}{t}$	t	$\frac{F}{t}$	t	$\frac{F}{t}$	t	$\frac{F}{t}$	t	$\frac{F}{t}$	t
-1.0C	1.00000													
-0.80	0.81873													
-0.6C	0.67C32													
-0.40	0.54881	C.50484												
-0.20	0.44933	0.74082												
-0.0C	0.36788	C.60653												
0.20	0.30119	C.49655	0.81873											
0.4C	0.24660	0.40657	0.67032											
0.6C	0.20190	C.33287	C.54881	0.90484										
0.80	0.16530	0.27253	0.44933	0.74082										
1.0C	0.13534	C.22313	0.36788	0.60653										
1.20	0.11080	0.18268	C.30119	0.49655	0.81873									
1.40	0.09072	0.14957	0.24660	0.40657	0.67032									
1.6C	0.07427	C.12246	0.20190	0.33287	0.54881	0.90484								
1.80	0.06081	C.10026	0.16530	0.44933	0.74082	0.60653								
2.0C	0.04979	0.08209	0.13534	0.36788	0.60653									
2.2C	0.04076	C.06721	C.11080	0.18268	0.30119	0.49655	0.81873							
2.40	0.03337	0.05502	0.09072	0.14957	0.24660	0.40657	0.67032							
2.6C	0.02732	0.04505	0.07427	0.12246	0.20190	0.33287	0.54881	0.90484						
2.8C	0.02237	C.03688	0.06081	0.10026	0.16530	0.27253	0.44933	0.74082						
3.0C	0.01832	0.03020	0.04979	0.08209	0.13534	0.22313	0.36788	0.60653						
3.2C	0.01500	C.02472	0.04076	0.06721	0.11080	0.18268	0.30119	0.49655	0.81873					
3.4C	0.01228	C.02024	0.03337	0.05502	0.09072	0.14957	0.24660	0.40657	0.67032					
3.6C	0.01005	0.01657	0.02732	0.04505	0.07427	0.12246	0.20190	0.33287	0.54881	0.90484				
3.8C	0.00823	C.01357	0.02237	0.03688	0.06081	0.10026	0.16530	0.27253	0.44933	0.74082				
4.0C	0.00674	C.01111	0.01832	0.03020	0.04979	0.08209	0.13534	0.22313	0.36788	0.60653				
4.2C	0.00552	0.00910	0.01500	0.02472	0.04076	0.06721	0.11080	0.18268	0.30119	0.49655	0.81873			
4.4C	0.00452	0.00745	0.01228	0.02024	0.03337	0.05502	0.09072	0.14957	0.24660	0.40657	0.67032			
4.6C	0.00370	C.00610	0.01005	0.01657	0.02732	0.04505	0.07427	0.12246	0.20190	0.33287	0.54881	0.90484		
4.8C	0.00303	C.00499	0.00823	0.01357	0.02237	0.03688	0.06081	0.10026	0.16530	0.27253	0.44933	0.74082		
5.0C	0.00248	0.00409	0.00674	0.01111	0.01832	0.03020	0.04979	0.08209	0.13534	0.22313	0.36788	0.60653		
5.2C	0.00203	0.00335	0.00552	0.00910	0.01500	0.02472	0.04076	0.06721	0.11080	0.18268	0.30119	0.49655	0.81873	
5.4C	0.00166	0.00274	0.00452	0.00745	0.01228	0.02024	0.03337	0.05502	0.09072	0.14957	0.24660	0.40657	0.67032	
5.6C	0.00136	C.00224	0.00370	0.00610	0.01005	0.01657	0.02732	0.04505	0.07427	0.12246	0.20190	0.33287	0.54881	0.90484
5.8C	0.00111	0.00184	0.00303	0.00499	0.00823	0.01357	0.02237	0.03688	0.06081	0.10026	0.16530	0.27253	0.44933	0.74082
6.0C	0.00091	C.00150	0.00248	0.00409	0.00674	0.01111	0.01832	0.03020	0.04979	0.08209	0.13534	0.22313	0.36788	0.60653
6.2C	0.00075	0.00123	0.00203	0.00335	0.00552	0.00910	0.01500	0.02472	0.04076	0.06721	0.11080	0.18268	0.30119	0.49655
6.4C	0.00061	0.00101	0.00166	0.00274	0.00452	0.00745	0.01228	0.02024	0.03337	0.05502	0.09072	0.14957	0.24660	0.40657
6.6C	0.00050	C.00083	0.00136	0.00224	0.00370	0.00610	0.01005	0.01657	0.02732	0.04505	0.07427	0.12246	0.20190	0.33287
6.8C	0.00041	0.00068	0.00111	0.00184	0.00303	0.00499	0.00823	0.01357	0.02237	0.03688	0.06081	0.10026	0.16530	0.27253
7.0C	0.00034	C.00055	0.00091	0.00150	0.00248	0.00409	0.00674	0.01111	0.01832	0.03020	0.04979	0.08209	0.13534	0.22313
7.2C	0.00027	0.00045	0.00075	0.00123	0.00203	0.00335	0.00552	0.00910	0.01500	0.02472	0.04076	0.06721	0.11080	0.18268
7.4C	0.00022	0.00037	0.00061	0.00101	0.00166	0.00274	0.00452	0.00745	0.01228	0.02024	0.03337	0.05502	0.09072	0.14957
7.6C	0.00018	C.00030	0.00050	0.00083	0.00136	0.00224	0.00370	0.00610	0.01005	0.01657	0.02732	0.04505	0.07427	0.12246
7.8C	0.00015	0.00025	0.00041	0.00068	0.00111	0.00184	0.00303	0.00499	0.00823	0.01357	0.02237	0.03688	0.06081	0.10026
8.0C	0.00012	C.00020	0.00034	0.00055	0.00091	0.00150	0.00248	0.00409	0.00674	0.01111	0.01832	0.03020	0.04979	0.08209
8.2C	0.00010	0.00017	0.00027	0.00045	0.00075	0.00123	0.00203	0.00335	0.00552	0.00910	0.01500	0.02472	0.04076	0.06721
8.4C	0.00008	C.00014	0.00022	0.00037	0.00061	0.00101	0.00166	0.00274	0.00452	0.00745	0.01228	0.02024	0.03337	0.05502
8.6C	0.00007	0.00011	0.00018	0.00030	0.00050	0.00083	0.00136	0.00224	0.00370	0.00610	0.01005	0.01657	0.02732	0.04505
8.8C	0.00006	C.00009	0.00012	0.00020	0.00034	0.00055	0.00091	0.00150	0.00248	0.00409	0.00674	0.01111	0.01832	0.03020
9.0C	0.00005	0.00007	0.00010	0.00017	0.00027	0.00045	0.00075	0.00123	0.00203	0.00335	0.00552	0.00910	0.01500	0.02472
9.2C	0.00004	C.00006	0.00008	0.00014	0.00023	0.00037	0.00061	0.00101	0.00166	0.00274	0.00452	0.00745	0.01228	0.02024
9.4C	0.00003	0.00005	0.00008	0.00014	0.00023	0.00037	0.00061	0.00101	0.00166	0.00274	0.00452	0.00745	0.01228	0.02024
9.6C	0.00002	C.00004	0.00007	0.00011	0.00018	0.00030	0.00050	0.00083	0.00136	0.00224	0.00370	0.00610	0.01005	0.01657
9.8C	0.00002	0.00003	0.00006	0.00010	0.00017	0.00027	0.00045	0.00075	0.00123	0.00203	0.00335	0.00552	0.00910	0.01500

The Conditional Probability: $P(T > t | (t > \epsilon))$

ALPHA 3 2.6

$\frac{t}{\epsilon}$	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
-1.0	1.00000														
-0.8	0.99999														
-0.6	0.99997														
-0.4	0.99993														
-0.2	0.99987														
0.0	0.99979														
0.2	0.99969														
0.4	0.99957														
0.6	0.99943														
0.8	0.99927														
1.0	0.99909														
1.2	0.99889														
1.4	0.99867														
1.6	0.99843														
1.8	0.99817														
2.0	0.99789														
2.2	0.99759														
2.4	0.99727														
2.6	0.99693														
2.8	0.99657														
3.0	0.99619														
3.2	0.99579														
3.4	0.99537														
3.6	0.99493														
3.8	0.99447														
4.0	0.99400														
4.2	0.99352														
4.4	0.99303														
4.6	0.99254														
4.8	0.99205														
5.0	0.99156														
5.2	0.99107														
5.4	0.99058														
5.6	0.99009														
5.8	0.98960														
6.0	0.98911														
6.2	0.98862														
6.4	0.98813														
6.6	0.98764														
6.8	0.98715														
7.0	0.98666														
7.2	0.98617														
7.4	0.98568														
7.6	0.98519														
7.8	0.98470														
8.0	0.98421														
8.2	0.98372														
8.4	0.98323														
8.6	0.98274														
8.8	0.98225														
9.0	0.98176														
9.2	0.98127														
9.4	0.98078														
9.6	0.98029														
9.8	0.97980														

The Conditional Probability: $P\{T > t | (t, \xi)\}$

ALPHA 3 2.8

t	ξ - 1.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
-1.0C	1.00000												
-0.8C	1.00000												
-0.6C	0.65433												
-0.40	0.51104	C.56839											
-0.20	0.39879	0.67765											
-0.0C	0.31896	0.54199											
0.2C	0.25878	0.43974	0.81135										
0.40	0.21199	C.36C22	C.66463										
0.6C	0.17486	C.29714	0.54824	0.90891									
0.80	0.14501	0.24641	0.45463	0.75372									
1.00	0.12076	C.20520	0.37860	0.62767									
1.20	0.10091	0.17146	0.31636	0.52449	0.83561								
1.4C	0.08456	C.14369	0.26511	0.43952	0.70C24								
1.6C	0.07103	C.12C7C	C.22270	0.36921	0.58822	0.91678							
1.8C	0.05779	C.1016C	C.18746	0.31075	0.49515	0.77172							
2.00	0.05042	0.08568	0.15809	0.26209	0.41755	C.65079							
2.2C	0.04259	C.07237	0.13352	0.22137	0.3526E	C.54568							
2.4C	0.03602	0.06121	0.11294	0.18724	0.29830	0.46493							
2.6C	0.03051	C.05184	0.09564	C.15857	0.25263	0.39374	0.60502						
2.80	0.02586	0.04395	0.08109	0.13444	0.21415	0.33382	C.51295						
3.0C	0.02195	C.03730	0.06882	0.11410	0.18178	0.28332	C.42535						
3.20	0.01865	0.03165	0.05846	C.09692	0.15442	0.24067	0.36982						
3.40	0.01585	0.02694	0.04971	0.08241	0.13129	0.20462	0.31442						
3.6C	0.01349	C.02292	0.04229	0.07012	0.11171	0.17411	0.26753	0.40699	0.61453				
3.8C	0.01149	C.01952	0.03601	0.05970	0.09512	0.14825	0.22780	0.34655	0.52326	0.78550			
4.0C	0.00979	0.01663	0.03068	0.05087	0.08104	0.12631	0.19409	C.29527	0.44584	0.66927			
4.2C	0.00834	C.0141E	C.02616	0.04337	0.06910	0.10769	0.16548	0.25174	0.38010	0.57060			
4.40	0.00712	0.01205	0.02232	0.0370C	0.05854	0.09186	C.14116	C.21474	0.32425	0.48675			
4.6C	0.00607	0.01032	0.01905	0.03158	0.05031	0.07841	0.12048	0.1832E	0.27674	0.41544			
4.80	0.00519	C.00881	C.01626	0.02696	0.04256	0.06695	0.10288	0.15651	0.23632	0.35475	0.53006		
5.00	0.00443	0.00753	0.01389	0.02304	0.03670	0.05720	0.08789	0.13371	C.20189	0.30307	0.45284		
5.2C	0.00379	C.00644	0.01188	0.01969	0.03137	0.04889	0.07152	0.11428	0.17255	0.25903	0.38703	0.57607	0.85469
5.40	0.00324	C.00550	0.01015	0.01683	0.02682	0.0418C	C.06423	0.09771	0.14754	0.22148	0.33093	0.49256	0.73079
5.6C	0.00277	0.00471	0.00869	0.01440	0.02294	0.03576	C.05494	C.0835E	0.12820	0.18945	0.28307	0.42133	0.62511
5.80	0.00237	C.004C3	0.00743	0.01232	0.01963	0.03060	0.04701	0.07152	0.10799	0.16211	0.24222	C.36052	0.53489
6.00	0.00203	0.00345	0.00636	0.01055	0.0168C	0.02615	C.04C24	C.06122	0.09244	0.13876	0.20734	0.30860	0.45786
6.2C	0.00174	0.00295	0.00545	0.00903	0.01439	0.02242	0.03446	0.05242	0.07915	0.11882	0.17753	0.26624	0.39204
6.4C	0.00149	C.00253	C.00467	0.00774	0.01232	0.01921	0.02951	C.04490	0.06779	0.10177	0.15206	0.22633	0.33579
6.60	0.00128	0.00217	0.00400	0.00663	0.01056	0.01646	0.02529	C.03847	C.05808	0.08719	0.13028	0.19391	0.28770
6.8C	0.00109	C.00166	0.00343	0.00568	0.00905	0.01410	0.02167	C.03297	C.04978	0.07473	0.11166	0.16619	0.24657
7.00	0.00094	C.00159	0.00294	0.00487	0.00776	0.01205	0.01858	C.02826	0.04267	0.06406	0.09572	0.14247	0.21137
7.2C	0.00080	0.00136	0.00252	0.00418	0.00665	0.01037	0.01593	C.02423	0.03659	0.05493	0.08207	0.12216	0.18125
7.4C	0.00069	C.00117	0.00216	0.00358	0.0057C	0.00889	0.01366	0.02079	0.03138	0.04711	0.07039	0.10477	0.15545
7.60	0.00059	0.00100	0.00185	0.00307	0.00485	0.00763	C.01172	C.01783	C.02652	0.04642	0.06039	0.08988	0.13335
7.8C	0.00051	0.00086	0.00159	0.00264	0.00420	0.00655	0.01006	0.0153C	0.02310	0.03468	0.05182	0.07713	0.11443
8.00	0.00044	C.00074	0.00136	0.00226	0.0036C	0.00562	0.00863	0.01313	0.01983	0.02976	0.04447	0.06615	0.09821
8.20	0.00037	0.00063	0.00117	0.00194	0.00309	0.00482	0.00741	C.01127	C.01702	0.02555	0.03817	0.05682	0.08430
8.4C	0.00032	C.00055	0.00101	0.00167	0.00266	0.00414	0.00636	C.00968	0.01461	0.02194	0.03278	0.04875	0.07239
8.60	0.00028	C.00047	0.00086	0.00143	0.00228	0.00356	C.00546	C.00831	0.01255	0.01884	0.02815	0.0419C	0.06216
8.80	0.00024	0.00040	0.00074	0.00123	0.00200	0.00305	0.00469	C.00714	C.01078	0.01618	0.02418	0.03599	0.05339
9.0C	0.00020	C.00035	0.00064	0.00106	0.00168	0.00262	0.00403	0.00613	0.00926	0.01390	0.02077	0.03091	0.04586
9.20	0.00017	0.00030	0.00055	0.00091	0.00145	0.00225	C.00346	C.00527	C.00796	0.01194	0.01784	0.02656	0.03941
9.4C	0.00015	0.00026	0.00047	0.00078	0.00124	0.00194	0.00298	0.00453	0.00684	0.01026	0.01534	0.02283	0.03387
9.60	0.00013	C.00022	C.00040	0.00067	0.00107	0.00166	0.00256	0.00389	0.00588	0.00882	0.01318	0.01962	0.02910
9.80	0.00011	0.00019	0.00035	0.00058	0.00092	0.00143	0.00220	0.00334	0.00505	0.00758	0.01133	0.01686	0.02502

The Conditional Probability: $P(T > t | t > \xi)$

ALPHA 3 3.0

t	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
-1.0C	1.00000														
-0.8C	1.00000														
-0.6C	0.72086														
-0.4C	0.50324	0.85458													
-0.2C	0.38688	0.65699													
-0.0C	0.30754	0.52225													
0.20	0.24899	0.42283	0.80963												
0.40	0.20400	0.34643	0.66333												
0.60	0.16856	0.28624	0.54808	0.50981											
0.80	0.14016	0.23801	0.45574	0.75653											
1.00	0.11713	0.19851	0.38086	0.63223											
1.20	0.09828	0.16690	0.31957	0.53049	0.83907										
1.40	0.08274	0.14051	0.26904	0.44661	0.70640										
1.60	0.06986	0.11863	0.22714	0.37705	0.59635	0.91914									
1.80	0.05912	0.10035	0.19223	0.31910	0.50473	0.77787									
2.00	0.05014	0.08514	0.16303	0.27062	0.42805	0.65969									
2.20	0.04260	0.07234	0.13851	0.22993	0.36368	0.56049	0.84963								
2.40	0.03625	0.06156	0.11788	0.19567	0.30950	0.47659	0.72305								
2.60	0.03090	0.05247	0.10046	0.16676	0.26377	0.40651	0.61621	0.52333							
2.80	0.02636	0.04477	0.08573	0.14230	0.22568	0.34685	0.52584	0.78792							
3.00	0.02252	0.03825	0.07324	0.12158	0.19230	0.29637	0.44425	0.67316							
3.20	0.01926	0.03271	0.06264	0.10358	0.16447	0.25347	0.38423	0.57572	0.85526						
3.40	0.01649	0.02801	0.05362	0.08902	0.14080	0.21659	0.32893	0.49281	0.73217	0.52736					
3.60	0.01413	0.02400	0.04595	0.07627	0.12064	0.18593	0.28184	0.42231	0.62736	0.85526					
3.80	0.01212	0.02058	0.03940	0.06541	0.10344	0.15944	0.24169	0.36215	0.53799	0.79388					
4.00	0.01040	0.01766	0.03381	0.05613	0.08879	0.13683	0.20742	0.31080	0.46170	0.68131					
4.20	0.00893	0.01517	0.02904	0.04821	0.07625	0.11751	0.17813	0.26691	0.39651	0.58510	0.85879				
4.40	0.00767	0.01303	0.02496	0.04143	0.06552	0.10058	0.15308	0.22937	0.34074	0.50281	0.73800				
4.60	0.00660	0.01121	0.02146	0.03562	0.05634	0.08683	0.13163	0.19123	0.29259	0.43235	0.63459	0.92737			
4.80	0.00568	0.00964	0.01846	0.03065	0.04847	0.07471	0.11324	0.16969	0.25207	0.37197	0.54597	0.79786			
5.00	0.00489	0.00830	0.01589	0.02638	0.04173	0.06431	0.09748	0.14607	0.21659	0.32020	0.46998	0.68680			
5.20	0.00421	0.00715	0.01369	0.02272	0.03594	0.05538	0.08396	0.12580	0.18688	0.27577	0.40476	0.59151	0.86124		
5.40	0.00363	0.00616	0.01179	0.01958	0.03096	0.04772	0.07234	0.10839	0.16102	0.23761	0.34876	0.50967	0.74208		
5.60	0.00313	0.00531	0.01017	0.01688	0.02665	0.04114	0.06236	0.09344	0.13881	0.20483	0.30064	0.43934	0.63969	0.92850	
5.80	0.00270	0.00456	0.00877	0.01455	0.02302	0.03548	0.05378	0.08058	0.11970	0.17664	0.25926	0.37888	0.55165	0.80072	
6.00	0.00233	0.00395	0.00756	0.01256	0.01986	0.03061	0.04639	0.06952	0.10327	0.15239	0.22367	0.32686	0.47592	0.65075	
6.20	0.00201	0.00341	0.00653	0.01084	0.01714	0.02641	0.04004	0.06000	0.08513	0.13152	0.19304	0.29210	0.41074	0.59618	0.86304
6.40	0.00173	0.00294	0.00564	0.00935	0.01480	0.02280	0.03457	0.05180	0.07694	0.11354	0.16665	0.24354	0.35460	0.51470	0.74509
6.60	0.00150	0.00254	0.00487	0.00808	0.01278	0.01965	0.02585	0.04473	0.06645	0.09806	0.14393	0.21033	0.30625	0.44452	0.64348
6.80	0.00129	0.00220	0.00420	0.00698	0.01104	0.01701	0.02579	0.03864	0.05741	0.08471	0.12434	0.18170	0.26456	0.38401	0.55590
7.00	0.00112	0.00190	0.00363	0.00603	0.00954	0.01470	0.02229	0.03340	0.04961	0.07321	0.10745	0.15703	0.22864	0.33186	0.48041
7.20	0.00097	0.00164	0.00314	0.00521	0.00825	0.01271	0.01927	0.02887	0.04288	0.06328	0.09288	0.13574	0.19764	0.28687	0.41527
7.40	0.00084	0.00142	0.00272	0.00451	0.00713	0.01099	0.01666	0.02496	0.03708	0.05472	0.08031	0.11736	0.17088	0.24803	0.35905
7.60	0.00072	0.00123	0.00235	0.00390	0.00617	0.00950	0.01441	0.02155	0.03207	0.04732	0.06946	0.10151	0.14779	0.21452	0.31054
7.80	0.00062	0.00106	0.00203	0.00337	0.00534	0.00822	0.01246	0.01868	0.02774	0.04094	0.06094	0.08781	0.12786	0.18558	0.26865
8.00	0.00054	0.00095	0.00176	0.00292	0.00462	0.00711	0.01079	0.01616	0.02401	0.03543	0.05200	0.07598	0.11064	0.16059	0.23247
8.20	0.00047	0.00079	0.00152	0.00253	0.00400	0.00616	0.00933	0.01395	0.02078	0.03066	0.04500	0.06577	0.09576	0.13899	0.20120
8.40	0.00041	0.00069	0.00132	0.00219	0.00346	0.00533	0.00808	0.01211	0.01759	0.02655	0.03896	0.05654	0.08290	0.12033	0.17420
8.60	0.00035	0.00060	0.00114	0.00185	0.00300	0.00462	0.00700	0.01048	0.01558	0.02298	0.03374	0.04930	0.07178	0.10415	0.15083
8.80	0.00030	0.00052	0.00099	0.00164	0.00259	0.00400	0.00606	0.00908	0.01349	0.01991	0.02922	0.04270	0.06217	0.09024	0.13063
9.00	0.00026	0.00045	0.00086	0.00142	0.00225	0.00346	0.00525	0.00787	0.01169	0.01724	0.02531	0.03695	0.05385	0.07817	0.11316
9.20	0.00023	0.00035	0.00074	0.00123	0.00195	0.00300	0.00455	0.00682	0.01012	0.01494	0.02193	0.03205	0.04666	0.06773	0.09904
9.40	0.00020	0.00034	0.00064	0.00107	0.00169	0.00260	0.00394	0.00591	0.00877	0.01294	0.01900	0.02777	0.04043	0.05868	0.08495
9.60	0.00017	0.00025	0.00056	0.00092	0.00146	0.00225	0.00342	0.00512	0.00761	0.01122	0.01647	0.02407	0.03505	0.05087	0.07365
9.80	0.00015	0.00025	0.00048	0.00080	0.00127	0.00195	0.00296	0.00444	0.00659	0.00973	0.01428	0.02086	0.03038	0.04409	0.06383

The Conditional Probability: $P(T>t | (t>\xi))$

ALPHA 3	$\frac{\xi}{t}$	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
1.0C	1.00000															
1.0C	1.00000															
1.0C	0.77508															
1.0C	0.49639	0.8373C														
1.0C	0.37534	0.63311														
1.0C	0.29651	0.50014														
1.0C	0.23556	0.40408	0.80795													
1.0C	0.19631	0.33113	0.66208													
1.0C	0.16246	0.27404	0.54792	0.91067												
1.0C	0.13544	0.22846	0.45679	0.7592C												
1.0C	0.11356	0.19155	0.38299	0.63655												
1.0C	0.09565	0.16134	0.32259	0.53616	0.84230											
1.0C	0.08087	0.13641	0.27275	0.45332	0.71215											
1.0C	0.06859	0.1137C	0.23134	0.38449	0.60402	0.92130										
1.0C	0.05834	0.0984C	0.19674	0.32700	0.5137C	0.78353										
1.0C	0.04973	0.08388	0.16772	0.27875	0.43791	0.66753										
1.0C	0.04248	0.07165	0.14326	0.23811	0.37407	0.56705	0.85420									
1.0C	0.03635	0.06132	0.12260	0.20376	0.32C11	0.48825	0.73098									
1.0C	0.03116	0.05255	0.10508	0.17465	0.27437	0.41848	0.62654	0.92598								
1.0C	0.02299	0.03877	0.09020	0.14991	0.23551	0.35921	0.53779	0.79482								
1.0C	0.01704	0.02874	0.05746	0.09550	0.15003	0.22883	0.34260	0.50634	0.86C48							
1.0C	0.01469	0.02478	0.04954	0.08235	0.12936	0.19731	0.25541	0.43655	0.74122							
1.0C	0.01268	0.02138	0.04276	0.07107	0.11164	0.17029	0.25494	0.37679	0.55157	0.80148						
1.0C	0.01095	0.01847	0.03693	0.06138	0.09643	0.147C8	0.22021	0.32545	0.47641	0.69227	0.92868					
1.0C	0.00947	0.01597	0.03192	0.05306	0.08336	0.12714	0.19035	0.28132	0.41181	0.59840	0.86441	0.99840				
1.0C	0.00819	0.01381	0.02762	0.0459C	0.07210	0.10998	0.16466	0.24335	0.35623	0.51763	0.74774	0.93045				
1.0C	0.00709	0.01196	0.02390	0.03973	0.06241	0.09520	0.14253	0.21664	0.30835	0.44806	0.64724	0.80590	0.93045			
1.0C	0.00614	0.01035	0.02070	0.03441	0.05406	0.08245	0.12345	0.18245	0.26708	0.38808	0.56060	0.80590	0.93045			
1.0C	0.00532	0.00897	0.01794	0.02982	0.04685	0.07146	0.10998	0.16324	0.23146	0.33633	0.48584	0.69842	0.93045			
1.0C	0.00461	0.00778	0.01556	0.02586	0.04062	0.06196	0.09277	0.1371C	0.20C70	0.29164	0.42128	0.60562	0.86712			
1.0C	0.00347	0.00586	0.01172	0.01947	0.03055	0.04666	0.06586	0.10324	0.15113	0.21961	0.31723	0.45604	0.65296	0.93171		
1.0C	0.00302	0.00509	0.01017	0.01691	0.02656	0.04052	0.06066	0.08965	0.13124	0.19070	0.27547	0.39601	0.56701	0.80906		
1.0C	0.00262	0.00442	0.00884	0.01465	0.02308	0.03520	0.05270	0.07789	0.11402	0.16567	0.23932	0.34404	0.49259	0.70288		
1.0C	0.00228	0.00384	0.00768	0.01277	0.020C6	0.03059	0.04580	0.06765	0.09909	0.14398	0.20799	0.29900	0.42811	0.61086	0.86909	
1.0C	0.00198	0.00334	0.00668	0.01110	0.01744	0.02660	0.03982	0.05885	0.08615	0.12519	0.18083	0.25996	0.37221	0.53111	0.75562	
1.0C	0.00172	0.00291	0.00581	0.00965	0.01517	0.02313	0.03463	0.05119	0.07493	0.10888	0.15728	0.22611	0.32374	0.46194	0.65721	
1.0C	0.00150	0.00253	0.00505	0.00840	0.01320	0.02013	0.03013	0.04454	0.06519	0.09473	0.13684	0.19672	0.28167	0.40191	0.57180	
1.0C	0.00130	0.0022C	0.00440	0.00731	0.01149	0.01752	0.02623	0.03876	0.05674	0.08245	0.11911	0.17122	0.24515	0.34981	0.49768	
1.0C	0.00114	0.00192	0.00383	0.00637	0.010C0	0.01525	0.02283	0.03375	0.04940	0.07179	0.10370	0.14907	0.21344	0.30455	0.43329	
1.0C	0.00099	0.00167	0.00334	0.00554	0.00871	0.01328	0.01989	0.02935	0.04302	0.06252	0.09031	0.12982	0.18588	0.26523	0.37734	
1.0C	0.00086	0.00145	0.00291	0.00488	0.00759	0.01157	0.01732	0.0256C	0.03748	0.05446	0.07867	0.11309	0.16192	0.23105	0.32872	
1.0C	0.00075	0.00127	0.00253	0.00421	0.00661	0.01008	0.01510	0.02231	0.03266	0.04746	0.06856	0.09855	0.14111	0.20135	0.28646	
1.0C	0.00065	0.0011C	0.00221	0.00367	0.00576	0.00879	0.01316	0.01945	0.02847	0.04137	0.05975	0.08590	0.12299	0.17550	0.24968	
1.0C	0.00057	0.00096	0.00192	0.0032C	0.00502	0.00766	0.01147	0.01695	0.02482	0.03606	0.05210	0.07489	0.10723	0.15300	0.21768	
1.0C	0.00050	0.00084	0.00168	0.00279	0.00438	0.00668	0.01000	0.01478	0.02164	0.03145	0.04563	0.06531	0.09350	0.13342	0.18982	
1.0C	0.00043	0.00073	0.00146	0.00243	0.00382	0.00583	0.00908	0.01325	0.01988	0.02943	0.04363	0.06453	0.09350	0.13342	0.18982	
1.0C	0.00038	0.00064	0.00128	0.00212	0.00333	0.00508	0.00761	0.01125	0.01647	0.02393	0.03457	0.0497C	0.07115	0.10153	0.14445	
1.0C	0.00033	0.00056	0.00111	0.00185	0.00291	0.00444	0.00664	0.00982	0.01437	0.02088	0.03017	0.04336	0.062C9	0.08860	0.12605	
1.0C	0.00029	0.00049	0.00097	0.00162	0.00254	0.00388	0.00580	0.00874	0.01255	0.01823	0.02639	0.03786	0.05420	0.07734	0.11003	
1.0C	0.00025	0.00042	0.00085	0.00141	0.00222	0.00338	0.00506	0.00748	0.01095	0.01591	0.02299	0.03304	0.04731	0.06751	0.09605	
1.0C	0.00022	0.00037	0.00074	0.00123	0.00194	0.00295	0.00442	0.00653	0.00956	0.01390	0.02007	0.02886	0.04132	0.05896	0.08388	
1.0C	0.00019	0.00032	0.00065	0.00108	0.00169	0.00258	0.00386	0.00571	0.00835	0.01214	0.01753	0.02520	0.03609	0.05149	0.07326	

The Conditional Probability: $P(T > t | (t > \epsilon))$

ALPHA 3 3.6

$t/\epsilon - 1.0$	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
-1.00	1.00000												
-0.80	0.99999												
-0.60	0.99999												
-0.40	0.99999												
-0.20	0.99999												
0.00	0.99999												
0.20	0.99999												
0.40	0.99999												
0.60	0.99999												
0.80	0.99999												
1.00	0.99999												
1.20	0.99999												
1.40	0.99999												
1.60	0.99999												
1.80	0.99999												
2.00	0.99999												
2.20	0.99999												
2.40	0.99999												
2.60	0.99999												
2.80	0.99999												
3.00	0.99999												
3.20	0.99999												
3.40	0.99999												
3.60	0.99999												
3.80	0.99999												
4.00	0.99999												
4.20	0.99999												
4.40	0.99999												
4.60	0.99999												
4.80	0.99999												
5.00	0.99999												
5.20	0.99999												
5.40	0.99999												
5.60	0.99999												
5.80	0.99999												
6.00	0.99999												
6.20	0.99999												
6.40	0.99999												
6.60	0.99999												
6.80	0.99999												
7.00	0.99999												
7.20	0.99999												
7.40	0.99999												
7.60	0.99999												
7.80	0.99999												
8.00	0.99999												
8.20	0.99999												
8.40	0.99999												
8.60	0.99999												
8.80	0.99999												
9.00	0.99999												
9.20	0.99999												
9.40	0.99999												
9.60	0.99999												
9.80	0.99999												

The Conditional Probability: $P\{T>t | (t>\xi)\}$

ALPHA 3	$\frac{t}{\xi}$	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	
-1.00	1.00000																
-0.80	1.00000																
-0.60	1.00000																
-0.40	0.48344																
-0.20	0.33317																
-0.00	0.25632																
0.20	0.20548																
0.40	0.16852																
0.60	0.14027																
0.80	0.11800																
1.00	0.10006																
1.20	0.08538																
1.40	0.07322																
1.60	0.06306																
1.80	0.05450																
2.00	0.04725																
2.20	0.04107																
2.40	0.03577																
2.60	0.03123																
2.80	0.02731																
3.00	0.02392																
3.20	0.02099																
3.40	0.01843																
3.60	0.01621																
3.80	0.01428																
4.00	0.01258																
4.20	0.01110																
4.40	0.00980																
4.60	0.00866																
4.80	0.00766																
5.00	0.00678																
5.20	0.00601																
5.40	0.00532																
5.60	0.00472																
5.80	0.00419																
6.00	0.00372																
6.20	0.00330																
6.40	0.00293																
6.60	0.00261																
6.80	0.00232																
7.00	0.00206																
7.20	0.00184																
7.40	0.00163																
7.60	0.00146																
7.80	0.00130																
8.00	0.00116																
8.20	0.00103																
8.40	0.00092																
8.60	0.00082																
8.80	0.00073																
9.00	0.00065																
9.20	0.00058																
9.40	0.00052																
9.60	0.00047																
9.80	0.00042																

The Conditional Probability: $P(T>t | (t>\xi))$

ALPHA 3 4.6

t	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
-1.0C	1.00000														
-0.8C	1.00000														
-0.6C	1.00000														
-0.4C	0.50564	C.50564													
-0.2C	0.30592	C.30592													
-C.CC	0.23031	C.23031													
C.2C	0.18362	C.18362	C.79728												
0.4C	0.15070	0.65434	0.65434												
0.6C	0.12592	C.12592	C.54676	0.51578											
0.8C	0.10654	C.10654	C.46259	0.7748C											
1.0C	0.09097	0.09097	0.39499	0.66158											
1.2C	0.07823	C.7823	C.33668	0.56894	0.85997										
1.4C	0.06766	0.06766	0.29379	0.49207	0.7437E										
1.6C	0.05879	0.05879	0.25529	0.42755	0.64631	0.93267									
1.8C	0.05129	C.5129	0.22271	0.37302	0.56383	0.81364									
2.0C	0.04489	0.04489	0.19494	0.32650	0.49352	C.7121E									
2.2C	0.03941	C.3941	0.17112	0.28661	0.43322	0.62517	0.87783								
2.4C	0.03468	C.3468	C.15059	0.25223	0.38126	0.55018	0.77254								
2.6C	0.03059	0.03059	0.13283	0.22247	0.33628	0.48527	C.66135	C.5354C							
2.8C	0.02703	C.2703	C.11739	0.19661	0.29719	0.42886	C.60218	0.83021							
3.0C	0.02393	C.02393	C.10393	0.17407	0.26311	C.3756E	C.53313	C.73501							
3.2C	0.02122	0.02122	0.09216	0.15435	0.23331	0.3366E	C.47275	0.65177	0.88675						
3.4C	0.01885	C.1885	C.08184	0.13707	0.20719	0.29899	0.41982	0.57875	0.78746						
3.6C	0.01676	0.01676	0.07277	0.12189	0.18423	0.26566	C.37331	C.51467	C.70022	0.94313					
3.8C	0.01492	C.1492	C.06479	0.10851	0.16402	0.23669	0.33235	C.4582C	C.62340	0.83966					
4.0C	0.01330	C.1330	C.05774	0.09672	0.14615	0.21096	0.29622	0.40835	C.55562	0.74837					
4.2C	0.01187	0.01187	0.05152	0.08629	0.13043	0.18822	C.26434	C.49572	0.66769	0.89219					
4.4C	0.01060	C.1060	C.04601	0.07706	0.1164E	0.16809	0.23602	0.32535	0.46270	0.59628	0.75677				
4.6C	0.00947	C.0947	0.04112	0.06888	0.10411	C.15024	C.21096	C.29084	0.39570	0.53297	0.71218	0.94553			
4.8C	0.00847	0.00847	0.03679	0.06162	0.09314	0.13440	C.18872	0.2601E	0.35359	C.47678	0.63710	0.84585			
5.0C	0.00759	C.0759	C.03293	0.05516	0.08338	0.12032	0.16895	0.23292	0.31691	0.42684	0.57037	0.75725			
5.2C	0.00680	0.00680	0.02951	0.04942	0.0747C	0.10780	C.15137	C.2086E	C.28352	0.38241	0.51099	0.67842	0.89590		
5.4C	0.00609	C.0609	C.02645	0.04431	0.06697	0.09864	0.13570	0.18705	C.25454	C.34282	0.45811	C.60821	0.80315		
5.6C	0.00547	C.0547	C.02373	0.03975	0.06008	0.08670	0.12173	0.16783	0.22834	0.30755	0.41096	0.54561	0.72052	C.54721	
5.8C	0.00491	C.00491	0.02130	0.03568	0.05393	0.07782	0.10527	C.15065	C.20456	0.27606	0.36888	0.48975	0.64675	0.85023	
6.0C	0.00441	C.00441	C.01913	0.03204	0.04843	0.06989	0.09814	0.13530	0.18408	0.24794	0.33130	0.4398E	0.58066	0.76362	0.99859
6.2C	0.00396	0.00396	C.01719	0.02875	0.04352	0.06280	C.06819	C.09832	0.13377	0.18017	0.24075	0.31964	0.42211	C.55451	0.80790
6.4C	0.00356	C.00356	0.01546	0.02589	0.03913	0.05647	0.07929	0.10931	C.14572	C.20031	0.26766	C.35536	0.46928	0.61693	
6.6C	0.00320	C.00320	C.01390	0.02328	0.03520	0.05079	0.07132	0.09892	0.13377	0.18017	0.24075	0.31964	0.42211	C.55451	0.80790
6.8C	0.00288	0.00288	C.01251	0.02055	0.03167	C.04571	0.06418	C.0884E	C.12038	0.16214	0.21666	0.28764	0.37985	0.49936	C.65395
7.0C	0.00259	C.00259	0.01126	0.01886	0.02852	0.04115	0.05778	C.0756C	C.10838	0.14597	0.19506	C.25357	0.34199	C.44958	0.58875
7.2C	0.00234	C.00234	C.01014	0.01655	0.02568	C.03706	G.05204	C.07175	0.09761	0.13147	0.17568	0.23324	0.30801	C.40452	C.53027
7.4C	0.00211	C.00211	0.00914	0.01531	0.02314	0.03330	0.04689	C.06464	C.08795	0.11846	0.15829	0.21016	0.27753	0.36484	0.47778
7.6C	0.00190	C.00190	C.00824	0.01380	0.02086	0.03010	0.04226	0.05827	0.07927	0.10677	0.14268	0.18942	0.25015	C.32885	C.43065
7.8C	0.00171	0.00171	0.00743	0.01244	0.01881	0.02714	C.03811	C.05254	0.07148	0.09628	0.12865	0.17080	0.22556	C.29653	C.38832
8.0C	0.00154	C.00154	0.00670	0.01122	0.01696	0.02448	0.03437	0.04735	0.06447	0.08684	0.11654	0.15406	0.20345	0.26746	0.35025
8.2C	0.00139	0.00139	C.00605	0.01013	0.01531	0.02209	0.03102	0.04276	0.05818	0.07836	0.10470	0.13901	0.18357	C.24133	C.31604
8.4C	0.00126	0.00126	0.00546	0.00914	C.01382	C.01994	0.02795	C.03855	C.05251	0.07072	0.09450	0.12547	0.16569	0.21782	C.28524
8.6C	0.00113	C.00113	C.00493	0.00825	0.01247	0.01800	0.02527	0.03484	C.04741	0.06385	0.08532	C.11328	0.14959	C.19666	C.25754
8.8C	0.00102	C.00102	C.00445	0.00745	C.01126	C.01626	0.02282	C.03147	0.04281	0.05767	0.07705	0.10230	0.13510	C.1776C	C.23258
9.0C	0.00093	C.00093	0.00402	0.00673	0.01018	0.01468	C.02062	C.02843	C.03868	0.05209	0.06961	0.09242	0.12204	0.16044	0.21011
9.2C	0.00084	C.00084	C.00363	0.00608	0.00920	0.01327	0.01863	0.02569	0.03495	0.04707	0.06290	0.08351	0.11028	C.14498	C.18986
9.4C	0.00076	0.00076	C.00328	0.00550	0.00831	0.01199	0.01684	0.02322	0.03159	0.04255	0.05685	0.07548	0.09968	0.13104	0.17161
9.6C	0.00068	C.00068	0.00297	0.00497	0.00751	C.01084	0.01582	C.02095	0.02856	0.03847	0.05140	0.06824	0.09012	0.11847	0.15514
9.8C	0.00062	C.00062	C.00268	0.00450	C.00680	0.009981	0.01377	0.01898	0.02583	0.03479	0.04648	0.06171	0.08150	C.10714	C.14030

The Conditional Probability: P(T>t | (t>E))

ALPHA 3	$\frac{t}{E}$	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
1.00	1.00000											
1.10	1.10000											
1.20	1.20000											
1.30	1.30000											
1.40	1.40000											
1.50	1.50000											
1.60	1.60000											
1.70	1.70000											
1.80	1.80000											
1.90	1.90000											
2.00	2.00000											
2.10	2.10000											
2.20	2.20000											
2.30	2.30000											
2.40	2.40000											
2.50	2.50000											
2.60	2.60000											
2.70	2.70000											
2.80	2.80000											
2.90	2.90000											
3.00	3.00000											
3.10	3.10000											
3.20	3.20000											
3.30	3.30000											
3.40	3.40000											
3.50	3.50000											
3.60	3.60000											
3.70	3.70000											
3.80	3.80000											
3.90	3.90000											
4.00	4.00000											
4.10	4.10000											
4.20	4.20000											
4.30	4.30000											
4.40	4.40000											
4.50	4.50000											
4.60	4.60000											
4.70	4.70000											
4.80	4.80000											
4.90	4.90000											
5.00	5.00000											
5.10	5.10000											
5.20	5.20000											
5.30	5.30000											
5.40	5.40000											
5.50	5.50000											
5.60	5.60000											
5.70	5.70000											
5.80	5.80000											
5.90	5.90000											
6.00	6.00000											
6.10	6.10000											
6.20	6.20000											
6.30	6.30000											
6.40	6.40000											
6.50	6.50000											
6.60	6.60000											
6.70	6.70000											
6.80	6.80000											
6.90	6.90000											
7.00	7.00000											
7.10	7.10000											
7.20	7.20000											
7.30	7.30000											
7.40	7.40000											
7.50	7.50000											
7.60	7.60000											
7.70	7.70000											
7.80	7.80000											
7.90	7.90000											
8.00	8.00000											
8.10	8.10000											
8.20	8.20000											
8.30	8.30000											
8.40	8.40000											
8.50	8.50000											
8.60	8.60000											
8.70	8.70000											
8.80	8.80000											
8.90	8.90000											
9.00	9.00000											
9.10	9.10000											
9.20	9.20000											
9.30	9.30000											
9.40	9.40000											
9.50	9.50000											
9.60	9.60000											
9.70	9.70000											
9.80	9.80000											
9.90	9.90000											
10.00	10.00000											

The Conditional Probability: $P(T > t | t > \xi)$

ALPHA 3	5.4	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
-1.00	1.00000															
-0.80	1.00000															
-0.60	1.00000															
-0.40	1.00000															
-0.20	1.00000															
0.00	1.00000															
0.20	0.99999															
0.40	0.99998															
0.60	0.99996															
0.80	0.99992															
1.00	0.99985															
1.20	0.99975															
1.40	0.99962															
1.60	0.99946															
1.80	0.99927															
2.00	0.99905															
2.20	0.99880															
2.40	0.99852															
2.60	0.99821															
2.80	0.99787															
3.00	0.99750															
3.20	0.99710															
3.40	0.99668															
3.60	0.99623															
3.80	0.99576															
4.00	0.99527															
4.20	0.99476															
4.40	0.99423															
4.60	0.99368															
4.80	0.99311															
5.00	0.99253															
5.20	0.99194															
5.40	0.99134															
5.60	0.99073															
5.80	0.99011															
6.00	0.98948															
6.20	0.98884															
6.40	0.98819															
6.60	0.98753															
6.80	0.98687															
7.00	0.98620															
7.20	0.98553															
7.40	0.98486															
7.60	0.98419															
7.80	0.98352															
8.00	0.98285															
8.20	0.98218															
8.40	0.98151															
8.60	0.98084															
8.80	0.98017															
9.00	0.97950															
9.20	0.97883															
9.40	0.97816															
9.60	0.97749															
9.80	0.97682															

The Conditional Probability: $P(T > t | (t > \xi))$

ALPHA 3 5.6

t	-1.0	-0.5	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0
-1.0C	1.00000														
-0.8C	1.00000														
-0.6C	1.00000														
-0.4C	1.00000	1.00000													
-0.2C	0.26845	0.19402													
0.0C	0.15402	0.19402													
0.2C	0.15341	0.15341	0.79065												
0.4C	0.12606	0.12606	0.64972	C.51871											
0.6C	0.10593	0.10593	0.54596	0.78354											
0.8C	0.09034	0.09034	0.46563	0.78354											
1.0C	0.07788	0.07788	0.40139	0.58699											
1.2C	0.06768	0.06768	0.34883	0.51342	0.86906										
1.4C	0.05920	0.05920	0.29996	0.51342	0.76014										
1.6C	0.05205	0.05205	0.26826	0.45142	0.66834	C.93823									
1.8C	0.04596	0.04596	0.23689	0.39863	0.59018	0.82851									
2.0C	0.04074	0.04074	0.20996	0.35331	0.52308	C.73432									
2.2C	0.03622	0.03622	0.18667	0.31413	0.46508	0.65288									
2.4C	0.03229	0.03229	0.16643	0.28006	0.41464	0.58208									
2.6C	0.02886	0.02886	0.14874	0.25029	0.37056	0.52020									
2.8C	0.02585	0.02585	0.13321	0.22416	0.33187	0.46589									
3.0C	0.02319	0.02319	0.11953	0.20114	0.29780	0.41805									
3.2C	0.02085	0.02085	0.10744	0.18080	0.26768	0.37577									
3.4C	0.01877	0.01877	0.09672	0.16276	0.24098	0.33829									
3.6C	0.01692	0.01692	0.08720	0.14673	0.21725	0.30498									
3.8C	0.01527	0.01527	0.07871	0.13246	0.19611	0.27530									
4.0C	0.01380	0.01380	0.07114	0.11971	0.17723	0.24880									
4.2C	0.01249	0.01249	0.06436	0.10831	0.16035	0.22511									
4.4C	0.01131	0.01131	0.05829	0.09809	0.14522	0.20387									
4.6C	0.01025	0.01025	0.05284	0.08892	0.13165	0.18481									
4.8C	0.00930	0.00930	0.04794	0.08068	0.11944	0.16768									
5.0C	0.00845	0.00845	0.04353	0.07326	0.10846	0.15226									
5.2C	0.00768	0.00768	0.03956	0.06657	0.09856	0.13836									
5.4C	0.00698	0.00698	0.03598	0.06054	0.08963	0.12583									
5.6C	0.00635	0.00635	0.03274	0.05509	0.08156	0.11450									
5.8C	0.00578	0.00578	0.02981	0.05016	0.07427	0.10426									
6.0C	0.00527	0.00527	0.02716	0.04571	0.06767	0.09499									
6.2C	0.00480	0.00480	0.02476	0.04167	0.06169	0.08660									
6.4C	0.00438	0.00438	0.02258	0.03800	0.05627	0.07859									
6.6C	0.00400	0.00400	0.02061	0.03468	0.05135	0.07208									
6.8C	0.00365	0.00365	0.01882	0.03167	0.04688	0.06581									
7.0C	0.00334	0.00334	0.01719	0.02892	0.04282	0.06012									
7.2C	0.00305	0.00305	0.01571	0.02643	0.03913	0.05494									
7.4C	0.00279	0.00279	0.01436	0.02417	0.03578	0.05032									
7.6C	0.00255	0.00255	0.01313	0.02210	0.03272	0.04593									
7.8C	0.00233	0.00233	0.01202	0.02022	0.02994	0.04203									
8.0C	0.00213	0.00213	0.01100	0.01851	0.02740	0.03847									
8.2C	0.00195	0.00195	0.01007	0.01694	0.02509	0.03522									
8.4C	0.00179	0.00179	0.00922	0.01552	0.02298	0.03226									
8.6C	0.00164	0.00164	0.00845	0.01422	0.02105	0.02955									
8.8C	0.00150	0.00150	0.00774	0.01303	0.01929	0.02708									
9.0C	0.00138	0.00138	0.00710	0.01195	0.01769	0.02483									
9.2C	0.00126	0.00126	0.00651	0.01095	0.01622	0.02277									
9.4C	0.00116	0.00116	0.00597	0.01005	0.01488	0.02088									
9.6C	0.00106	0.00106	0.00548	0.00922	0.01365	0.01916									
9.8C	0.00098	0.00098	0.00503	0.00846	0.01252	0.01758									

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