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A METHOD FOR ESTIMATING FRACTIONAL YIELDS FROM LOW- AND MEDIUM-ENERGY NEUTRON INDUCED FISSION



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# LOS ALAMOS SCIENTIFIC LABORATORY OF THE UNIVERSITY OF CALIFORNIA LOS ALAMOS NEW MEXICO

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## A METHOD FOR ESTIMATING FRACTIONAL YIELDS FROM LOW- AND MEDIUM-ENERGY NEUTRON INDUCED FISSION

by

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## ABSTRACT

A method is given for estimating fractional yields of products from low- and medium-energy neutron induced fission. The method is based on experimental measurements of some fractional independent and cumulative yields, and involves the assumption that yields of products along betadecay chains are described by a Gaussian function with the same width  $(\sigma)$  for all mass numbers.

Equations are given for estimating  $Z_p$ , "the most probable charge." Fractional yields may be obtained from a table which lists fractional yields as a function of Z -  $Z_p$ .

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Although cumulative yields of many long-lived, late members of fission product chains are known for a number of fission processes from . experimental measurements, the yields of most of the short-lived, earlier members have not been measured. The measured fractional yields for thermal neutron fission of U<sup>233</sup>, U<sup>235</sup>, and Pu<sup>239</sup> and for 14-MeV neutron fission of  $U^{235}$  and  $U^{238}$  are summarized in references 1 and 2. The purpose of this report is to present the necessary equations and tables for making rapid predictions of fractional yields from low- and mediumenergy neutron induced fission. To make such a prediction by the method given here, one first estimates a value of  $Z_p$ , the value of Z for the maximum of the independent yield versus Z curve, for the mass number of the fission process of interest. A charge dispersion curve is then used to estimate the fractional yield of element Z for that mass number. The reader should consult references 1 - 4 for discussion and derivation of the method described below.

 $Z_p$  values for thermal neutron fission of  $U^{235}$  are used as reference values for given mass numbers, and adjustments are made for other fission processes. For high-yield mass numbers,  $Z_p^{ref}$ , the reference  $Z_p$ , is approximated by:<sup>2,3</sup>

$$Z_P^{ref} = 0.4237A - 2.19$$
 (for  $82 < A < 100$ )

and

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$$Z_{\rm P}^{\rm ref} = 0.4331A - 6.06 \quad (for A > 135)$$
 (1)

where A is the mass number. Not enough measurements have been made for

low-yield mass numbers to make such generalizations.

The following equations are then used to adjust  $Z_p^{ref}$  for a different fission process:<sup>4</sup>

$$\Delta Z_{\rm P} = 0.5 (Z_{\rm F} - 92) - 0.21 (A_{\rm F} - 236) + 0.19 (v_{\rm T} - 2.43)$$
(2)

and

$$Z_{\rm P} = Z_{\rm P}^{\rm ref} + \Delta Z_{\rm P}$$
(3)

where  $Z_{\rm F}$  is the charge of the fissioning nucleus,  $A_{\rm F}$  is the initial mass of the compound nucleus (i.e., the mass of the target nucleus plus one), and  $v_{\rm T}$  is the average number of neutrons per fission. Values of  $v_{\rm T}$  are obtained from equation 4:<sup>5</sup>

$$v_{\rm T} = \overline{v}(\text{thermal}) + kE$$
 (4)

in which E is the incident neutron energy. Values of the constants are given in Table I.

## TABLE I

Constants for Equation 4ª

Process	v(thermal)	<u>k</u>
U <sup>238</sup> (n,F)	2.50	0.115
U <sup>235</sup> (n,F)	2.43	0 <b>.13</b> 5
U <sup>238</sup> (n,F)	2.41	0.138
Pu <sup>239</sup> (n,F)	2.87	0.1 <b>11</b>

<sup>8</sup>From reference 5.

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Table II lists values of  $\Delta Z_{P}$  for some common fission processes; others can be calculated easily.

Values of  $\Delta Z_p$ 

$$\frac{Process}{U^{233}(n_{th}, F)} = 0.43$$

$$Pu^{239}(n_{th}, F) = 0.25$$

$$U^{235}(n_{14.6}, F) = 0.37$$

$$U^{238}(n_{14.6}, F) = 0.25$$

The fractional cumulative yield of a nuclide with charge Z is given by the Gaussian equation:

$$\sum_{0}^{Z} (P_{n}) = \frac{1}{\sigma(2\pi)^{\frac{1}{2}}} \int_{0}^{Z+0.5} \exp\left[-\frac{(n-Z_{p})^{2}}{2\sigma^{2}}\right] dn$$
$$= 0.5 + 0.5 f\left[(Z-Z_{p}+0.5)/\sqrt{2}\sigma\right]$$
(5)

in which f(Y) is the error function, defined by the expression

$$f(Y) = \frac{2}{\sqrt{\pi}} \int_{0}^{Y} \exp(-t^2) dt$$
 (6)

which can be readily evaluated on a computer.<sup>6</sup> A value of  $\sigma$  of 0.59 ± 0.06 is assumed to apply for all mass numbers from low- and medium-energy neutron induced fission.<sup>1-3</sup> Table III lists values of fractional independent and cumulative yields as a function of (Z -  $Z_P$ ) for values of

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σ of 0.59, 0.53, and 0.65.

To estimate a fractional yield, perform the following steps:

- 1. Calculate  $Z_p^{ref}$  from equation 1.
- 2. Determine  $v_m$  from equation 4 and Table I.
- 3. Determine  $\Delta Z_p$  from Table II or from equation 2.
- 4. Obtain  $Z_p$  through equation 3.
- 5. Look up the fractional yields for the proper value of  $(Z Z_p)$  in Table III for each of the three  $\sigma$ 's.

For example, let us estimate the fractional yields of  $Ba^{142}$  from 14.0-MeV neutron fission of  $U^{238}$ :

A = 142, Z = 56,  $Z_{F} = 92$ , E = 14.0,  $A_{F} = 239$ From equation 1:  $Z_{P}^{ref} = 55.44$ From equation 4 and Table I:  $v_{T} = 4.34$ From equation 2:  $\Delta Z_{P} = -0.27$ From equation 3:  $Z_{P} = 55.17$ Z =  $Z_{P} = 0.83$ From Table III: Fractional independent yield =  $\begin{cases} 0.276 \text{ for } \sigma = 0.59 \\ 0.261 \text{ for } \sigma = 0.53 \\ 0.285 \text{ for } \sigma = 0.65 \end{cases}$  i.e.,  $0.276 \stackrel{+}{-} 0.009 \\ - 0.015 \end{cases}$ 

Independent yield $(0.285 \text{ for } \sigma = 0.65)$ = 0.019Fractional<br/>cumulative yield $= \begin{cases} 0.988 \text{ for } \sigma = 0.59 \\ 0.994 \text{ for } \sigma = 0.53 \\ 0.980 \text{ for } \sigma = 0.65 \end{cases}$ i.e.,  $0.988 + 0.006 \\ -0.008 + 0.008 \end{cases}$ 

These two fractional yields with their uncertainties represent the fraction of the chain formed (after prompt neutron emission) at Z = 56 and the fraction of the chain formed up to and including Z = 56, respectively.

A few words of caution in the use of this method are in order. The value of  $\sigma$  of 0.59 ± 0.06 has been determined for thermal neutron fission of U<sup>235</sup> for mass numbers 91 - 95 and 139 - 143;<sup>1,3</sup> the value is also consistent with three mass numbers from other fission processes.<sup>2</sup> It is <u>assumed</u> that the same Gaussian curve is valid for <u>all</u> mass numbers for the fission processes considered. This assumption was made in obtaining equation 1 from experimental data and is again made in estimating a yield from Table III. In reference 2 it is shown that the method of this report predicts most values of Z<sub>p</sub>, which have been inferred from measurements of fractional yields, fairly successfully with the average deviation of the predicted Z<sub>p</sub>'s from the measured Z<sub>p</sub>'s being 0.11 charge unit. However, the Z<sub>p</sub>'s predicted for mass numbers 89 - 95 from thermal neutron fission of Pu<sup>239</sup> are consistently higher than those measured by an average of 0.17 charge unit.

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TABLE III

Values of Gaussian Charge Distribution Curves

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	S TCMA	= 0.59	SIGMA:	. 0.53	SIGMA=	0.65
	FRACTION	OF CHAIN	FRACTION	DF CHAIN	FRACTION	OF CHAIN
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE
-4.00	1.4997E-09	1.4997E-09	2.0147E-11	2.0147E-11	3.6381E-08	3.6383E-08
-3.99	1.6625E-09	1.6625E-09	2.2878E-11	2.2878E-11	3.9623E-08	3.9626E-08
-3.98	1.8425E-09	1.8425E-09	2.5970E-11	2.5970E-11	<b>4.3145E-08</b>	4.3148E-08
-3.97	2.0414E-09	2.0414E-09	2.9469E-11	2.9469E-11	4.6969E-08	4.6972E-08
-3.96	2.2611E-09	2.2612E-09	3.3429E-11	3.3429E-11	5.1121E-08	5.1124E-08
-3.95	2.5038E-09	2.5039E-09	3.7907E-11	3.7907E-11	5.5626E-08	5.5630E-08
-3.94	2.7718E-09	2.7719E-09	4.2970E-11	<b>4.</b> 2970E-11	6.0515E-08	6.0519E-08
-3.93	3.0676E -09	3.0677E-09	4.8692E-11	4.8692E-11	6.5818E-08	6.5823E-08
-3.92	3.3941E-09	3.3941E-09	5.5157E-11	5.5157E-11	7.1569E-08	7.1575E-08
-3.91	3.7542E-09	3.7542E-09	6.2458E-11	6.2458E-11	7.7806E-08	7.7811E-08
-3.90	4.1513E-09	4.1514E-09	7.0702E-11	7.0702E-11	8.4566E-08	8-4572E-08
-3.89	4.5892E-09	4.5893E-09	8.0006E-11	8.0C06E-11	9.1892E-08	9.1900E-08
-3.88	5.0719E <b>-0</b> 9	5.0719E-09	9.0502E-11	9.0502E-11	9.9831E-08	9.9839E-08
-3.87	5.6037E-09	5.6038E-09	1.0234E-10	1.0234E-10	1.0843E-07	1.0844E-07
-3.86	6.1896E-09	6.1897E-09	1.1569E-10	1.1569E-10	1.1774E-07	1.1//5E-0/
-3.85	6.8 <b>349E-0</b> 9	6.8350E-09	1.3073E-10	1.3073E-10	1.2783E-07	1.2784E-07
-3.84	7.5453E-09	7.5454E-09	1.4767E-10	1.4767E-10	1.3874E-07	1.3875E-07
-3.83	8.3272E-09	8.3273E-09	1.6676E-10	1.6676E-10	1.5056E-07	1.5057E-07
-3.82	9,1876E-09	9.1877E-09	1.8824E-10	1.8824E-10	1.6334E-07	1.6335E-07
-3.81	1.0134E-08	1.01346-08	2.1242E-10	2.1242E-10	1.7716E-07	1.//18E-07
-3.80	1.1175E-08	1.1175E-08	2.3962E-10	2.3962E-10	1.9211E-07	1.9213E-07
-3.79	1.2319E-08	1.2319E-08	2.7021E-10	2.7021E-10	2.0828E-07	2.0830E-07
-3.78	1.3577E-08	1.3577E-08	3.0460E-10	3.0460E-10	2.25/6E-07	2.25/85-07
•3.77	1.4959E-08	1.4959E-08	3.4325E-10	3.4325E-10	2.4464E-07	2.44076-07
-3.76	1.6477E-08	1.6477E-08	3.8667E-10	3.8667E-10	2.65056-07	2.03076-07
•3.75	1.8143E-08	1.8144E-08	4.3543E-10	4.3543E-10	2.8709E-07	2.8/125-07
-3.74	1.997 <b>3E-0</b> 8	1.9974E-08	4.9016E-10	4.9016E-10	3.10892-07	3.10920-07
•3.73	2.1982E-08	2.1982E-08	5.5158E-10	5.51586-10	3.30395-07	3.44375-07
-3.72	2.4185E-08	2.4186E-08	6.2049E-10	0.20492-10	3 04345-07	3.04316-07
-3.71	2.6602E-08	2.6603E-08	6.9776E-10	0.9//0E-10 7.04385-10	5.9420E-01 6 36665-07	4 24416-07
-3.70	2.925 3E-08	2.9253E-08	7.8438E=10	7.04300-10	4.20302-07	4 41446-07
-3.69	3.2158E-08	3.2159E-08	8.8145E-10	8.81496-10	4.08075-07	4 00036-07
-3.68	3 • 5 34 3E -08	3.5343E-08	9.9018E-10	9.90196-10	4.70772-07	5.39546-07
-3.67	3.8831E-08	3.8832E-08	1.11195-09	1.24836-09	5 82135-07	5.8321E-07
-3.66	4.2653E-08	4.2654E-08	1.2483E-09	1.24030-09	4 30185-07	6.3027E-07
-3.65	4.6837E-08	4.6838E-08	1.40082-09	1.67145-00	6.8087E-07	6.8097E-07
-3.64	5.1417E-08	5.1418E-08	1.5/140-09	1 74225-00	7 35475-07	7.35586-07
-3.63	5.6430E-08	5.6431E-08	1.78228-09	1.07655-09	7 04275-07	7.94395-07
-3.62	6.1914E-08	6.1915E-08	1.97552-09	2 21 285-00	9 57576-07	8.57706-07
-3.61	6.7912E-08	6./914E-08	2.21300-09	2 48005-09	9.25716-07	9.2585F-07
-3.60	7.44/1E-08	7.44725-08	2.90000-09	2.77726-09	9,99036-07	9.9919F-07
-3.59	8.164UE-08	8.10925-08	2.11120-09	3 10005-00	1.07795-06	1.0781E-06
-3.58	8.94/4E-08	0.9910E-00	3.10702-09	3.47926-09	1.1628E-06	1.1629E-06
-3.57	9.8033E-08	9.0U37E-00	3 80225-00	3.89226-09	1.2540E-06	1.25426-06
-3.50	1.0/386-0/	1.17505-07	2.0722C-U7 4.26276-00	4.3527F-09	1.3521E-06	1.3523E-06
- 3. 55	1.1/396-0/	1 20725-07	4.86505-09	4.8659E-09	1.45756-06	1.4578E-06
- 3. 34	1.20/3t -0/	1 40005-07	5.41785-AQ	5.43795-09	1.5708F-06	1.5711E-06
-3.53	1.64165-07	1 54155-07	5.0740F=09	6.0749F-09	1.69256-06	1.6928E-06
- 3. 52	1.094100-07	1 40416-07	6.7841F-09	6.7842F-09	1-8232E-06	1.8236E-06
- 2. 21	T*000TE-01	T+000IC-01	0.10416-07	3110 VEC 07		

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	S TOMA:	= 0.59	SIGMA	= 0.53	SIGMA=	° C.65
	ED AC TION	DE CHAIN	FRACTION	OF CHAIN	FRACTION	OF CHAIN
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INDEPENOENT	CUMULATIVE
			7 57345-00	7.57376-09	1.96361-06	1.9640E-06
-3.50	1.8438E-07	1.8438E-07	7.5730E-09	A 46216-09	2,1143E-06	2.1147E-06
-3.49	2.0157E-07	2.01576-07	6.43015-09	0 42016-09	2.2761E-06	2.2765E-06
-3.48	2.2030E-07	2.2030E-07	9.42910-09	9.4291C-09	2.4496E-06	2.4501F-06
-3.47	2.4070E-07	2.4071E-07	1.03136-08	1 17226-08	2.6358E-06	2.6364E-06
-3.46	2.6292E-07	2.62936-07	1.1723E-08	1 20455-08	2.8355E-06	2.8362F-06
-3.45	2.8711E-07	2.8/12E-0/	1.50050-00	1.45556-08	3-0497E-06	3.0504E-06
-3.44	3.1344E-07	3.13936407	1 4 3005-08	1 62095-08	3.2793E-06	3.2800E-06
-3.43	3.42096-07	3.4210E-07	1 00455-00	1.80455-08	3, 5253E-06	3.5261E-06
-3.42	3.7325E-07	3.7327E-07	1.80492-08	2 00835-08	3.7890F-06	3.7899E-06
-3.41	4.0714E-07	4.0/10E-0/	2.00032-08	2.23426-08	4.0714E-06	4.0724E-06
-3.40	4.43992-07	4.4400E-07	2.23426-00	2.4848F-08	4.37395-06	4.375CE-06
-3.39	4.84036-07	4.8405E-07	2.76762-00	2 76245-08	4-6979E-06	4-6991E-06
-3.38	5.27342-97	5.2/200-07	2.70242-00	3.07016-08	5-0446F-06	5.0459E-06
-3.37	5.7489E-07	5. 1983E-01	3 41085-08	3.41085-08	5.4157E-06	5.4172E-06
-3.36	6.2612E-07	0.20100-07	3 78805-08	3.7880E-08	5-8129E-06	5.8144E-06
-3.35	6.818 SE -07	0.010/C-U/	4 2055E+08	4.2055E-08	6-2377E-06	6.2394E-06
-3.34	7.4230E-07	1.42345-07	4.20332-08	4.6674F-08	6.6920E-06	6.6939E-06
-3.33	8.0790E+07	8.07930-07	5.17826-08	5.1782E-08	7.1778E-06	7.1799E-06
-3.32	8.7900E-07	8.7911E-07	5 74205-08	5.74295-08	7-6971E-06	7.6994E-06
-3.31	9.50236-07	9.30200-04	5.7427E-00	6.3671E-08	8-2521E-06	8.2547E-06
-3.30	1.03996-00	1 13045-06	7.05666-08	7.05666-08	8.8452E-06	8.8479E-06
- 3. 29		1.22885-04	7.81816-08	7.8181E-08	9.4787E-06	9.4817E-06
-3.28	1.22010-04	1 33525-04	8.6588E=08	8.6589E-08	1.0155E-05	1.0159E-05
-3.27	1.33310-00	1 45045-06	9.58665-08	9.5867E-08	1.0878E-05	1.0881E-05
-3.20	1.470 30 -00	1.67616-04	1.06105-07	1.0610E-07	1.1649E-05	1.16538-05
-3.23	1.3/300 -06	1.71005-06	1,17395-07	1.1739E-07	1.2472E-05	1.2476E-05
-3.24		1 85405-06	1,29836-07	1.2983E-07	1.3350E-05	1.3355E-05
-3.23	2.01395-06	2 01205-06	1.43556-07	1.4355E-07	1.4287E-05	1.4292E-05
-3.22	2.01300-00	2.18465-06	1.58665-07	1.5866E-07	1.5286E-05	1.5291E-05
-3.21	2.10426-06	2 36025-06	1.75296-07	1.7529E-07	1.6351E-05	1.6357E-05
-3.20	2.30900-00	2.50920-00	1,93616-07	1.9361E-07	1.7486E-05	1.7493E-05
-3.19	2.30040-00	2.50000-00	2.1376F-07	2.1376E-07	1.8696E-05	1.8704E-05
	2.01455-04	2.01685-06	2.35945-07	2.3594E-07	1.9985E-05	1.9993E-05
-3.17	3 34775-04	3 26805-06	2.6032E-07	2.6032E-07	2.1358E-05	2.1367E-05
-3.10	3.53885-04	3 53925-06	2.8712E-07	2.8712E-07	2.2821E-05	2.2831E-05
-3.14	2 82145-06	3.83185-06	3-1657E-07	3.1658E-07	2.4378E-05	2.4389E-05
-3.13	4 14716-06	A. 1474F-06	3.4893E-07	3.4893E-07	2.6C35E-05	2.6047E-05
-3.13	4 4 8745 -06	4.4879E-06	3.8446E-07	3.8447E-07	2.7799E-05	2.7812E-05
-2 11	4 8544F -06	4.8549E-06	4.2346E-07	4.2347E-07	2.9676E-05	2.9690E-05
-3.10	5.2500E-06	5.2505E-06	4.6626E-07	4.6627E-07	3.1672E-05	3.1607E-05
-3.69	5.47626-06	5.6768E-06	5.1321E-07	5.1322E-07	3.3795E-05	3.3812E-05
-3.08	A.1354F-06	6.1360E-06	5.6469E-07	5.6470E-07	3.6052E-05	3.6070E-05
-3.07	6.6298F-06	6.6305E-06	6.2113E-07	6.2113E-07	3.8451E-05	3.8471E-05
-3.06	7.1621E-06	7.16306-06	6.8296E-07	6.8297E-07	4.1000E-05	4.1022E-05
-3.05	7.7351F-06	7.7360E-06	7.5070E-07	7.5071E-07	4.3709E-05	4.3733E-05
-3.04	8.3516F-06	8.35256-06	8.2487E-07	8.2488E-07	4.6586E-05	4.6612E-05
-3.03	9.0147E-04	9.0158E-06	9.0606E-07	9.0607E-07	4.9641E-05	4.9669E-05
-3.02	9.7278E-06	9.7290E-06	5.9489E-07	9.9491E-07	5.2885E-05	5.2916E-05
-3.01	1.0494E-05	1.0496E-05	1.0921E-06	1.C921E-06	5.6328E-05	5.6361E-05

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	S TOMA-	- 0 69	STGMA	= 0.53	SIGMA=	0.65
	FRACTION		FRACTION	OF CHAIN	FRACTION	OF CHAIN
7-7(P)	INDEPENDENT	CUMULATIVE	INDEPENOENT	CUMULATIVE	INDEPENDENT	CUMULATIVE
-3.00	1.1318E-05	1.1320E-05	1.1983E-06	1.1983E-06	5.9981E-05	6.0018E-05
-2.99	1.2204E-05	1.2205E-05	1.3145E-06	1.3145E-06	6.3858E-05	6.3897E-05
-2.98	1.3154E-05	1.3156E-05	1.4414E-06	1.4414E-06	6.7969E-05	6.8012E-05
-2.97	1.4176E-05	1.4178E-05	1.5800E-06	1.5800E-06	7.2329E <b>-0</b> 5	7.2376E-05
-2.96	1.5272E-05	1.5274E-05	1.7313E-06	1.7314E-06	7.6951E-05	7.7002E-05
-2.95	1.6448E-05	1.6451E-05	1.8965E-06	1.8966E-06	8.1850E-05	8.1905E-05
-2.94	1.7710E-05	1.7713E-05	2.0768E-06	2.0768E-06	8.7041E-05	8.71C2E-05
-2.93	1.9064E-05	1.9067E-05	2.2734E-06	2.2734E-06	9.2541E-05	9.2607E-05
-2.92	2.0516E-05	2.0519E-05	2.4877E-06	2.4878E-06	9.8366E-05	9.8438E-05
-2.91	2.2072E-05	2.2075E-05	2.7214E-06	2.7214E-06	1.0453E-04	1.0461E-04
-2.90	2.3739E-05	2.37436-05	2.9759E-06	2.9760E-06	1.1107E-04	1.11156-04
-2.89	2.5526E-05	2.5530E-05	3.2532E-06	3.2533E-06	1.1798E-04	1.1807E-04
-2.88	2.7439E-05	2.7444E-05	3.5551E-06	3.5552E-06	1.2529E-04	1.25396-04
-2.87	2.9488E-05	2.9494E-05	3.8836E-06	3.8837E-06	1.3303E-04	1.3314E-04
-2.86	3.1681E-05	3.1688E-05	4.2411E-06	4.2412E-06	1.41216-04	1.41335-04
-2.85	3.4029E-05	3.4035E-05	4.6299E-06	4.6301E-06	1.49878-04	1.49996-04
-2.84	3.6539E-05	3.6547L-05	5.0527E-06	5.C528E-06	1.5901E-04	1.59136-04
-2.83	3.922 <b>5</b> E-05	3.9233E-05	5.5121E-06	5.5123E-06	1.08081-04	1.00035-04
-2.82	4.2096E-05	4.2105E-05	6.0113E-06	0.0115E-06		1.00076-04
-2.81	4.5165E-05	4.5175E-05	6.5534E-U6	0.3330E-U0		2 01285-04
-2.80	4.8445E-05	4.8456E-05	7.14206-06	7.14226-00	2.12135-04	2.01200-04
-2.79	5.1948E-05	5.1961E-05	7.7808E-06	0 4741C-04	2 26835-04	2.26065-04
-2.78	5.5690E-05	5.57041-05	8.4/385-06	0.22585-04	2.20036-04	2.39495-04
-2.17	5.9685E-05	5.9700E-05	9.22340-00	9.22382-08	2.53395-04	2.53666-04
-2.76	6.39492-05	0.39055-05	1.00402-05	1.00712-05	2.53372-04	2.68615-04
-2.75	0.8499E-05	0.00175-00	1 1 9 9 0 5 - 0 5	1 109242-05	2.84065-04	2.8437E-04
-2.74	7.33522-05	7 855125-05	1.20146-05	1.29176-05	3-0066E-04	3.0100E-04
-2.13		A 40715-05	1 40385-05	1.40396-05	3-1816E-04	3.1852E-04
-2.12	8.00205-05	0.40712-05	1.52526-05	1.5253E-05	3.3660 E-04	3.3700E-04
-2.71	0.41045-05	0.42255-05	1.65656-05	1.6566E-05	3.5603E-04	3.5646E-04
-2.10	1 02875-04	1 02006-04	1.79865-05	1.7986E-05	3.7650E-04	3.7696E-04
-2.69	1.00096-04	1 10025-04	1.95216-05	1.9522E-05	3.9806E-04	3.9856E-04
-2.00	1 1755E-04	1.17595-04	2.1180F-05	2.1181E-05	4.2075E-04	4.2129E-04
-2.01	1.25605-04	1.25656-04	2.2973E-05	2.2974E-05	4.4464E-04	4.4523E-04
-2.65	1.34185-04	1.3422E-04	2.4909E-05	2.4910E-05	4.6979E-04	4.7042E-04
-2.64	1.4329E-04	1.4334E-04	2.6998E-05	2.7000E-05	4.9624E-04	4.96926-04
-2.63	1.5299E-04	1.5304E-04	2.9253E-05	2.9255E-05	5.2407E-04	5.2481E-04
-2.62	1.6329E-04	1.6335E-04	3.1686E-05	3.1688E-05	5.5334E-04	5.5413E-04
-2.61	1.7424E-04	1.7431E-04	3.4309E-05	3.4312E-05	5.8411E-04	5.8496E-04
-2.60	1.8588E-04	1.8596E-04	3.7137E-05	3.7140E-05	6.1645E-04	6.1738E-04
-2.59	1.9824E-04	1.9832E-04	4.0185E-05	4.0188E-05	6.5044E <b>-0</b> 4	6.5144E-04
-2.58	2.1137E-04	2.1146E-04	4.3467E-05	4.3471E-05	6.8615E-04	6.8723E-04
-2.57	2.2530E-04	2.2540E-04	4.7003E-05	4.7006E-05	7.2366E-04	7.2483E-04
-2.56	2.400 BE-04	2.4019E-04	5.0808E-05	5.0812E-05	7.6306E-04	7.6431E-04
-2.55	2.5577E-04	2.5589E-04	5.49C3E-05	5.4907E-05	8.0442t-04	8.0577E-04
-2.54	2.7241E-04	2.7254E-04	5.9307E-05	5.9312E-05	8.4783E-04	8.4929E-04
-2.53	2.900 5E -04	2.9019E-04	6.4044E-05	6.4049E-05	8.9339E-04	8.9496E-04
-2.52	3.0875E-04	3.0891E-04	6.9135E-05	6.9141E-05	9.4119E-04	9.4288E-04
-2.51	3.2857E-04	3.2874E-04	7.4606E-05	7.4613E-05	9.9132E-04	9.4314E-04

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	S IGMA	= 0.59	SIGMA=	= 0.53	SIGMA	≖ J.65
	FRACTION	DF CHAIN	FRACTION	DF CHAIN	FRACTION	DF CHAIN
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INCEPENCENT	CUMULATIVE
-2.50	3.4956E-04	3.4975E-C4	8.0482E-05	8.0490E-05	1.0439E-03	1.04596-03
-2.49	3.7180E-04	3.7200E-C4	8.6793E-05	8.6801E-05	1.0990E-03	1.1011E-03
-2.48	3.953 <b>4E -0</b> 4	3.95566-04	9.3566E-05	9.3575E-05	1.1568E-03	1.1591E-03
-2.47	4.2026E-04	4.2050E-04	1.0083E-04	1.CO84E-04	1.2173E-03	1.2198E-03
-2.46	4•466 <b>4E-0</b> 4	4.469CE-C4	1.0863E-04	1.0864E-04	1.2808E-03	1.2834E-03
-2.45	4.7453E-04	4.7482L-04	1.1699E-04	1.1700E-04	1.3472E-03	1.3500E-03
-2.44	5.0 <b>404</b> E <b>-04</b>	5.0435E-04	1.2595E-04	1.2596E-04	1.4168E-03	1.4198E-03
-2.43	5.3523E-04	5.3557E-04	1.3555E-04	1.3556E-04	1.4896E-03	1.4929E-03
-2.42	5.6820E-04	5.6858E~04	1.4583E-04	1.4585E-04	1.5658E-03	1.5693E-03
-2.41	6.0 <b>304</b> E-04	6.0345E-04	1.5684E-04	1.5686E-04	1.6456E-03	1.6494E-03
-2.40	6.3985E-04	6 <b>.4</b> 029E-04	1.6863E-04	1.6865E-04	1.7290E-03	1.7331E-03
-2.39	6.7871E-04	6.7920E-04	1.8123E-04	1.8126E-04	1.8163E-C3	1.8207E-03
-2.38	7.1975E-04	7.2027E-04	1.9472E-04	1.9475E-04	1.9076E-03	1.9123E-03
-2.37	7.6 <b>306</b> E-04	7.6363E-04	2.0914E-04	2.0917E-04	2.0030E-03	2.0080E-03
-2.36	8.0 <b>876E-04</b>	8.0938E-04	2.2455E-04	2.2459E-04	2.1027E-03	2.1081E-03
-2.35	8.5 <b>696E-0</b> 4	8.5764E-04	2.4102E-04	2.4106E-04	2.2069E-03	2.2127E-03
-2.34	9.0780E-04	9.0854E-04	2.5861E-04	2.5865E-04	2.3157E-03	2.3220E-03
-2.33	9.6139E-04	9.6219E-04	2.7739E-04	2.7743E-04	2.4294E-03	2.4361E-03
-2.32	1.0179E-03	1.0187E-03	2.9743E-04	2.9748E-04	2.5481E-03	2.5553E-03
-2.31	1.0774E-03	1.0783E-03	3.1881E-04	3.1887E-04	2.6720E-03	2.6797E-03
-2.30	1.1401E-03	1.1411E-03	3.4162E-04	3.4168E-04	2.8C14E-03	2.8096E-03
-2.29	1.2001E-03	1.2072E-03	3.6593E-04	3.6600E-04	2.93632-03	2.9451E-03
-2.28	1.2756E-03	1.2768E-03	3.9185E-04	3.9192E-04	3.0771E-03	3.0865E-03
-2.27	1.3487E-03	1.3500E-03	4.1945E-04	4.1954E-04	3.2239E-03	3.2340E-03
-2.26	1.4256E-03	1.4271E-03	4.4886E-04	4.4895E-04	3.3769E-03	3.3878E-03
-2.25	1.5066E-03	1.5081E-03	4.8016E-04	4.8C27E-04	3.5365E-03	3.5482E-03
-2.24	1.5917E-03	1.5934E-03	5.1348E-04	5.1360E-04	3.7028E-03	3.7153E-03
-2.23	1.681 1E-03	1.6830E-03	5.4893E-04	5.4906E-04	3.8761E-03	3.8894E-03
-2.22	1.7751E-03	1.7771E-03	5.8662E-04	5.8676E-04	4.05655-03	4.0708E-03
-2.21	1.87396-03	1.8761E-03	6.2670E-04	6.2686E-04	4.24455-03	4.2598E-03
-2.20	1.9776E-03	1.9800E-03	6.6929E-04	0.0940E-04	4.4402E-03	4.45662-03
-2.19	2.0865E-03	2.0891E-03	7.14535-04	7.14/3E-04	4.64396-03	4.0014E-03
-2.18	2.20096-03	2.2037E-03	7.02585-04	7.6280E-04	4.85596-03	4.8/401-03
-2.17	2.3209E-03	2.3239E-03	8.1360E-04	8.1383E-04	5.07652-03	5.0965E-03
-2.16	2.446/2-03	2.4500E-03	8.8//35-04	8.8/992-04	5.30596-03	5.52726-03
-2.15	2.5/8/2-03	2.5823E+U3	9.25105-04	9.23436-04	5.3943E-U3	5.36/36-03
-2.14	2./1/1E-03	2.7210E-03	9.8000E-04	9.8038E-04	5.7925E-03	2.0109E-03
-2.13	2.8622E-03	2.80041-03	1.0506E-03	1.05102-03	6.03035-03	6+0/04E-03
-2.12	3.01425-03	3.01876-03	1.11905-03	1.10105-03	0.31825-03	0.3401E-U3
+2.11	3.1/376-03	3.1/83E-U3	1.19150-03	1.19195-03	0.39002-03	0+02035-03
-2.10	3.3402E-03	3.39352-03	1.20036-03	1.20070-03		0.91/45-03
-2.09	3.51496-03	3.52051-03	1.3995-03	1.35002-03	7.18595-03	7.53376 03
-2.07	3.09/02-03	3.103/E=03	1.53655-03	1.67716-03	7.07105-03	7 85045-03
-2.01	3.6787C-U3	3.0733E-U3	1.422625-03	1 40336-03	1.0211C-03	A 10786-03
-2.00			1.72426-03	1 72515-03	8 50515-03	0.19/02-03
-2.03		4 62616-03	1 82175-03	1 83245-03	0.50511-03	0.J400L-0J
-2.03		7.7271C-U3	1.04626-03	1.04416-03	0.00035-03	0.30066-03
-2.03	T + ( T 7 3 3 C - U 3	4 00305-03	1.77726703	2.04405-03	7.2700C-03	7.427032-03
-2.02	7+7071C-U3	7.77375-U3 8 34415-03	2.00510-03	2.10245-03	7.02710-03	1.00895-03
~2.01	<b>3•∠3306~U</b> 3	ジョビママエピーリン	2+13136-03	2017205-03	1.00310-02	T #1/000E_05

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	S IGMA	= 0.59	SIGMA	= 0.53	STOMA	= 0.65
	FRACTION	OF CHAIN	FRACTION	DE CHAIN	FRACTION	DE CHAIN
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUNULATIVE	INDEPENDENT	CUMULATIVE
-2.00	5.4941E-03	5.5054E-03	2.3250E-03	2.3262E-03	1.0448E-02	1.05C8E-02
-1.99	5.7660E-03	5.7782E-03	2.4658E-03	2.4671E-03	1.0880E-02	1.0944E-02
-1.98	6.0498E-03	6.0630E-03	2.6143E-03	2.6157E-03	1.1328E-02	1.1396E-02
-1.97	6.3459E-03	6.3601E-03	2.7707E-03	2.7723E-03	1.1791E-02	1.1863E-02
-1.96	6.6 <b>54</b> 7E-03	6.6700E-03	2.9356E-03	2.9374E-03	1.2270E-02	1.2347E-02
-1.95	6.9768E-03	6.9932E-03	3.1093E-03	3.1112E-03	1.2767E-02	1.2849E-02
-1.94	7.312 <b>5E-0</b> 3	7.3302E-03	3.2922E-03	3.2942E-03	1.3280E-02	1.3367E-02
-1.93	7 <b>.6623E-0</b> 3	7.6814E-03	3.4846E-03	3.4869E-03	1.3811E-02	1.3904E-02
-1.92	8.026 BE -03	8.0473E-03	3.6872E-03	3.6897E-03	1.4361E-02	1.4459E-02
-1.91	8.4063E-03	8.4284E-03	3.9002E-03	3.9029E-03	I.4928E-02	1.5033E-02
-1.90	8.8016E-03	8.8253E-03	4.1241E-03	4.1271E-03	1.5515E-02	1.5627E-02
-1.89	9.213 <b>0E -0</b> 3	9.2385E-03	4.3596E-03	4.3628E-03	1.6122E-02	1.624CE-02
-1.88	9 <b>.641 1E -0</b> 3	9.6685E-03	4.6069E-03	4.6104E-03	1.6749E <b>-0</b> 2	1.6874E-02
-1.87	1.0086E-02	1.0116E-02	4.8667E-03	4.8706E-03	1.7396E-02	1.7529E-02
-1.86	1.0 <b>550E -0</b> 2	1.0581E-02	5.1394E-03	5.1437E-03	1.8065E <b>-0</b> 2	1.8206E-02
-1.85	1.1031E-02	1.1065E-02	5.4257E-03	5.4303E-03	1.8755E-02	1.8905E-02
-1.84	1.1532E-02	1.1568E-02	5.7260E-03	5.7311E-03	1.9467E-02	1.9626E-02
-1.83	1.20 <b>52E-0</b> 2	1.2091E-02	6.0410E-03	6.0466E-03	2.0202E-02	2.0371E-02
-1.82	1.2 <b>592E -0</b> 2	1.2634E-02	6.3713E-03	6.3773E-03	2.C961E-02	2.1140E-02
-1.81	1.315 <b>3E-0</b> 2	1.3198E-02	6.7174E-03	6.7240E-03	2.1743E-02	2.1933E-02
-1.80	1.3736E-02	1.3784E-02	7.0801E-03	7.0872E-03	2.2550E-02	2.2751E-02
-1.79	1.4340E-02	1.4392E-02	7.4598E-03	7.4676E-03	2.3381E-02	2.3594E-02
-1.78	1.496 BE-02	1.5023E-02	7.8575E-03	7.8659E-03	2.4238E-02	2.4464E-02
-1.77	1.5618E-02	1.5678E-02	8.2736E-03	8.2828E-03	2.5121E-02	2.5360E-02
-1.76	1.6293E-02	1.6357E-02	8.7089E-03	8.7190E-03	2.6031E-02	2.6284E-02
-1.75	1.6992E-02	1.7061E-02	9.1642E-03	9.1751E-03	2.6967L-02	2.7236E-02
-1.74	1.7/17E-02	1.7791E-02	9.6402E-03	9.6520E-03	2.7932E-02	2.8216E-02
-1.73	1.646 BE-02	1.8547E-02	1.0138E-02	1.0150E-02	2.8925E-02	2.9226E-02
-1.72	1.92906-02	1.9330E-02	1.06576-02	1.0671E-02	2.9947E-02	3.C265E-02
-1.71	2.0032E-02	2.01426-02	1.1200E-02	1.12156-02	3.0998E-02	3.1335E-02
-1.40	2.08920+02	2.09826-02	1.17665-02	1.1/836-02	3.2079E-02	3.2436E-02
-1.40	2.1400-02	2.1851E+U2	1.23585-02	1.23/56-02	3.3192E-02	3.3568E-02
-1 47	2.20416-02	2.2/212-02	1.29/45-02	1.29946-02	3.4335E-02	3.4733E-02
-1.44	2.57090 -02	2.30025-02	1.36176-02	1.30386-02	3.5510E-02	3.5931E-02
-1 46	2.93170-02	2.90995-02	1.42886-02	1.43116-02	3.6/18E-02	3.7163E-02
-1 44	2.33030 -02	2.30395-02	1.49806-02	1.5011E-02	3.79585-02	3.84291-02
-1.64	2.03235-02	2.000000-02		1.57416-02	3.9233E-02	3.9730E-02
-1.63	2.072100 -02	2.00205-02	1.84726-02	1.03010-02	4.03416-02	4.10665-02
-1.62	2.07885-02	2.00295-02		1.72926-02	4.18845-02	4.24391-02
-1.61	2.97000 -02	2.99035-02	1.80816-02	1.81101-02	4.32635-02	4.3848E-02
-1 60	3 214 25 -02	3 23415-02		1.09/20-02	4.40/85-02	4.52956-02
-1.58	3.21776-02	3.25885-02	2 07445-02	1.90030-02	4.0129E-U2 4.74176-00	4.0/8UE-02
-1.57	3.44406-02	3. 33000-02	2.17046-02	2.01090-02	4 · /01/E-U2	4.0304E-02
-1.56	3.59606-02	3.62006-02	2.27005-02	2.27516-02	4.714JC-UZ	7.700/E-UZ
-1.55	3.731 1F -02	3.75676-02	2.37345-02	2.37805-02	5.22005-02	5.31165-02
-1.54	3.870 3E-02	3.8976F-02	2.4808F-02	2.4867E-02	5.3952-02	5.48016-02
-1.53	4.0137F -02	4.0427E-02	2.59215-02	2.5985F=02	5.56346-02	5.65285-02
.1.52	4.1614F-02	4.1923E-02	2.7076F-02	2.7145F-02	5.73566-02	5.8299F-02
-1.51	4.3134E-02	4.3462E-02	2.8274E-02	2.8348F-02	5,9119+-02	6-01125-02
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	S 1 GMA	= 0.59	SIGMA =	0.53	SIGMA=	0.65
	CD AC TTON	OF CHAIN	FRACTION	OF CHAIN	FRACTION	DF CHAIN
Z-Z(P)	INCEPENDENT	CUMULATIVE	INDEPENOENT	CUNULATIVE	INCEPENCENT	CUMULATIVE
1 50	4 44075-02	4 5047E-02	2.9515E-02	2.95956-02	6.0924E-02	6.1970E-02
-1.50	4.407/0-02	4.50472-02	3-08015-02	3.0887E-02	6.2770E-02	6.3872E-02
-1.49	4.70415-02	4.00701-02	3,21325-02	3.2226E-02	6.4659E-02	6.5819E-02
-1.48	4.79010-02	5 00836-02	3.3511E-02	3.3612E-02	6.6591E-02	6.7811E-02
-1.47	9.90020-02	5 19595-02	3.49385-02	3.5047E-02	6.8567E-02	6.9850E-02
-1.40	5.19110-02	5 34925-02	3.6415E-02	3.6532E-02	7.0586E-02	7.1936E-02
-1.42	5.52070-02	5 56575-02	3.7941F-02	3.8067E-02	7.26492-02	7.4069E-02
-1.47	5 6 6 6 6 -02	5.7483E-02	3.9520E-02	3.9655E-02	7.4757E-02	7.6250E-02
*1.43	5 0 0 25 -02	5.94625-02	4.1151E-02	4.1297E-02	7.6911E-02	7.8480E-02
-1.41	5.007.0C-02	6.1493E-02	4.2836E-02	4.2993E-02	7.9109E-02	8.0759E-02
-1.40	4 202 AF -02	6.3579E-02	4.4576E-02	4.4745E-02	8.1354E-02	8.3087E-02
-1.30	4 60306-02	6.5719E-02	4.6373E-02	4.6554E-02	8.3645L-02	8.5466E-02
-1.30	4 7194E-02	6.7914E-02	4.8226E-02	4.8421E-02	8.5983E-02	8.7895E-02
-1.37	6 940 2E-02	7.0165E-02	5.0138E-02	5.0348E-02	8.8367E-02	9.0375E-02
-1.31	7 14455-02	7.2474F-02	5.2110E-02	5.2335E-02	9.0799E-02	9.2907E-02
-1 35	7.39826-02	7.4840E-02	5.4143E-02	5.4384E-02	9.3279E-02	9.5491E-02
-1.34	7.63565-02	7.7265E-02	5.6237E-02	5.6496E-02	9.5806E-02	9.8128E-02
-1.33	7.8787F-02	7.9749E-02	5.8395E-02	5.8672E-02	9.8381E-02	1.0082E-01
-1.32	8.1274E-02	8.2293E-02	6.0616E-02	6.0913E-02	1.0100E-01	1.0356E-01
-1.31	8.3819E-02	8.4897E-02	6.29C2E-02	6.3221E-02	1.0368E-01	1.0636E-01
-1.30	8-6422E-02	8.7563E-02	6.5255E-02	6.5596E-02	1.0640E-01	1.0921E-01
-1.29	8.9084E-02	9.0291E-02	6.7674E-02	6.8040E-02	1.0917E-01	1.1211E-01
-1.28	9.1804E-02	9.3081E-02	7.0162E-02	7.0554E-02	1.1199E-01	1.1507E-01
-1.27	9.4585E-02	9.5935E-02	7.2718E-02	7.3138E-02	1.1485E-01	1.18C9E-01
-1.26	9.7425E-02	9.8852E-02	7.5345E-02	7.5794E-02	1.1777E-01	1.2116E-01
-1.25	1.0033E-01	1.0183E-01	7.8043E-02	7.8523E-02	1.2074E-01	1.24286-01
-1.24	1.0329E-01	1.0488E-01	8.0812E-02	8.1326E-02	1.2375E-01	1.27476-01
-1.23	1.0631E-01	1.07996-01	8.3654E-02	8.4204E-02	1.2682E-UI	1.30710-01
-1.22	1.0939E-01	1.1117E-01	8.6570E-02	8.7157E-02	1.2993E-01	1.34002-01
-1.21	1.1254E-01	1.1442E-01	8.9560E-02	9.0187E-02	1.3309E-01	1.40765-01
-1.20	1.1575E-01	1.1773E-01	9.2625E-02	9.3295E-02	1.36306-01	1 44236-01
-1.19	1.1902E-01	1.2111E-01	9.5766E-02	9.6481E-02	1.39302-01	1 47756-01
-1.18	1.2235E-01	1.2455E-01	5.8983E-02	9.9746E-02	1.42876-01	1 51336-01
-1.17	1.2574E-01	1.2807E-01	1.0228E-01	1.0309E-01	1.40232-01	1 54945-01
-1.16	1.2920E-01	1.3165E-01	1.0565E-01	1.06526-01	1.63005-01	1.58666-01
-1.15	1.3272E-01	1.3530E-01	1.0910E-01	1.1002E-01	1.53092-01	1.62415-01
-1.14	1.3630E-01	1.3902E-01	1.1263E-01	1.13016-01	1 40145-01	1.66225-01
-1.13	1.3994E-01	1.4281E-01	1.1624E-01	1.17296-01	1 4 3745-01	1.70C8E-01
-1.12	1.4365E-01	1.4667E-01	1.1992E-01	1.21046-01	1 47385-01	1.7401E-01
-1.11	1.4742E-01	1.5060E-01	1.23695-01	1.24000-01	1.71076-01	1.7799E-01
-1.10	1.5125E-01	1.5459E-01	1.27545-01	1 22010-01	1.74805-01	1.8202E-01
-1.09	1.5514E-01	1.5866E-01	1.31405-01	1.34016-01	1.78586-01	1.8612E-01
-1.08	1.5909E-01	1.6280E-01	1.30545-01	1 41095-01	1.8241E-01	1.9027E-01
-1.07	1.6311E-01	1.670CE-01	1.43736-01	1.45356-01	1.86281-01	1.94471-01
-1.06	1.6718E-01	1.7128E-01	1.47085-01	1.4970E-01	1.90196-01	1.9874E-01
-1.05	1.7131E-01	1.75626-01	1 52305-01	1.5414E-01	1.9414E-01	2.0306E-01
-1.04	1.7551E-01	1.80036-01	1 66716-01	1.5866E-01	1.98146-01	2.0743E-01
-1.03	1.79768-01	1.89526401	1.6120F-01	1.6327E-01	2.0218E-01	2.1186E-01
-1.02	1.8407E-01	1.89076-01	1 46776-01	1.6796E-01	2.0626E-01	2.1634E-01
-1.01	1.8844E-01	1-43045-01	1.05//2-01			

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	S IGMA	= 0.59	SIGMA	- 0.53	SIGMA	. 0.65
	FRACTION	OF CHAIN	FRACTION	OF CHAIN	FRACTION	DF CHAIN
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE
-1.00	1.9287E-01	1.98376-01	1.7042E-01	1.7274E-01	2.10376-01	2 20885-01
-0.99	1.9735E-01	2.0313E-01	1.7514F-01	1.7761E-01	2.14536-01	2.25485-01
-0.98	2.0189E-01	2.0795E-01	1.79956-01	1.82566-01	2.18736-01	2.20126-01
-0.97	2.0648E-01	2.1284E-01	1.8483E-01	1.8760E-01	2.22965-01	2.34825-01
-0.96	2.1113E-01	2.1780E-01	1.8979E-01	1.9272F-01	2,27236-01	2.39576-01
-0.95	2.1503E-01	2.2282E-01	1.9482E-01	1.9793E-01	2.31536-01	2.44385-01
-0.94	2.2058E-01	2.2791E-01	1.9993E-01	2.0322E-01	2.3586F-01	2.4923E+01
-0.93	2.2538E-01	2.3306E-01	2.0511E-01	2.0860E-01	2.4023E-01	2.5414F-01
-0.92	2.3023E-01	2.3828E-01	2.1036E-01	2.1405E-01	2.4464E-01	2.5909E-01
-0.91	2.3 <b>513E-01</b>	2.4356E-01	2.1569E-01	2.1959E-01	2.4907E-01	2.6410F-01
-0.90	2.409 8E-01	2.4890E-01	2.2109E-01	2.2521E-01	2.5353E-01	2.6916F-01
-0.89	2 <b>.4507</b> E-01	2.5431E-01	2.2655E-01	2.3092E-01	2.5802E-01	2.7426E-01
-0.88	2 <b>.5010E-</b> 01	2.5977E-01	2.3209E-01	2.3670E-01	2.6253E-01	2.7941E-01
-0.87	2.5510E-01	2.6530E-01	2.3769E-01	2.4256E-01	2.6708E-01	2.8460E-01
-0.86	2.6030E-01	2.7088E-01	2.4335E-01	2.4850E-01	2.7164E-01	2.8985E-01
-0.85	2.6546E-01	2.7652E-01	2.4908E-01	2.5451E-01	2.7623E-01	2.9513E-01
-0.84	2.7065E-01	2.8222E-01	2.5487E-01	2.6060E-01	2.8084E-01	3.0047E-01
-0.83	2.7509E-01	2.8798E-01	2.6072E-01	2.6677E-01	2.8547E-01	3.0584E-01
-0.82	2.8115E-01	2.9379E-01	2.6663E-01	2.7300E-01	2.9012E-01	3.1126E-01
-0.81	2.86458-01	2.9965E-01	2.7259E-01	2.7931E-01	2.9478E-01	3.1671E-01
-0.80	2.9170E-01	3.0557E-01	2.7860E-01	2.8569E-01	2.9946E-01	3.2221E-01
+0.79	2.9714E-01	3.1153E-01	2.8467E-01	2.9214E-01	3.0415E-01	3.2775E-01
-0.78	3.0253E-01	3.1755E-01	2.9079E-01	2.9865E-01	3.0886E-01	3.3332E-01
+0.77	3.0/94E-01	3.2362E-01	2.9695E-01	3.0523E-01	3.1358E-01	3.3894E-01
-0.75	3.133/E-UI	3.29/35-01	3.0315E-01	3.1187E-01	3.1830E-01	3.4458E-01
-0.75	3.10030-01	3.3789E-01	3.0940E-01	3.1858E-01	3.2303E-01	3.5027E-01
-0.73	3 20705-01	3.40345.01	3.15696-01	3.2534E-01	3.2777E-01	3.5598E-01
-0.72	3.35205-01	3.64435-01	3.22016-01	3.3216E-01	3.3251E-01	3.6173E-01
-0.71	3.40815-01	3.40055-01	3.26376-01	3.39041-01	3.3725E-01	3.6751E-01
-0.70	3.46345-01	3 67325-01	3.41185-01	3.43986-01	3.41996-01	3.7332E-01
-0.49	3.51876-01	3.73726-01	3.47625-01	3.52965-01	3.4673E-01	3.7916E-01
-0.48	3.57416-01	3. 0145-01	3.4/020-01	3.6000000-01	3.51465-01	3.8503E-01
-0.67	3.62956-01	3 84635-01	3 40676-01	3.74215-01	3.50196-01	3.9093E-01
-0.66	3.68495-01	3.93136-01	3.67075-01	3 81 385-01	3 65636-01	3.9084E-UI
-0.65	3.7402E-01	3.99666-01	3.73586-01	3.88596-01	3 70 325-01	4.02796-01
-0.64	3.7955E-01	4-0622E-01	3.80105-01	3.95846-01	3 75015-01	4.00736-01
-0.63	3.850 F -01	4.1281F-01	3.86626-01	4.03136-01	3 70485-01	4.20765-01
-0.62	3.9059F-01	4.1942F+01	3.93156-01	4.10455-01	3 84335-01	4 2 4 7 7 5 - 01
-0.61	3.9609F-01	4.2606F-01	3.99685-01	4.17805-01	3 88975-01	4.20116-01
-0.60	4.0158E-01	4.3271E-01	4-0621E-01	4.2518E-01	3.93585-01	4 38876-01
-0.59	4.0704E-01	4.3939E-01	4-1272E-01	4.3259E-01	3.98165-01	4.50070-01
-0.58	4-1249E-01	4.4608E-01	4.1923E-01	4.4002E-01	4.02725-01	4.51026-01
-0.57	4.1791E-01	4.5279E-01	4.2572E-01	4.4747E-01	4.0726F-01	4.57136-01
-0.56	4.2331E-01	4.5951E-01	4.3219E-01	4.5494E-01	4-1176E-01	4.63236-01
-0.55	4.2867E-01	4.6624E-01	4.3864E-01	4.6243E-01	4.1623E-01	4.6935F-01
-0.54	4.3400E-01	4.7298E-01	4.4506E-01	4.6993E-01	4.2067E-01	4.7547E-01
-0.53	4.3930E-01	4.7973E-01	4.5145E-01	4.7744E-01	4.2507E-01	4-8160E-01
-0.52	4.4456E-01	4.8649E-01	4.5781E-01	4.8496E-01	4.2943E-01	4.8773E-01
-0.51	4.4978E-01	4.9325E-01	4.6413E-01	4.9248E-01	4.3376E-01	4.9387E-01

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FRACTION OF CAIN           0.50         4.5494E-01         5.0001E-01         4.7041E-01         5.0001E-01         4.38041-01         5.0001E-01           -0.49         4.6009E-01         5.0007E-01         4.7041E-01         5.0001E-01         4.4227E-01         5.061E-01           -0.46         4.617E-01         5.1208E-01         4.2082E-01         5.1508E-01         4.4646E-01         5.1228E-01           -0.46         4.7718E-01         5.2028E-01         4.8696E-01         5.2228E-01         4.5600E-01         5.2656E-01           -0.45         4.8099E-01         5.4507E-01         5.4507E-01         4.6271E-01         5.378E-01           -0.44         4.9947E-01         5.4723E-01         5.4507E-01         4.6271E-01         5.378E-01           -0.42         4.9947E-01         5.6003E-01         5.2444E-01         5.6702E-01         4.7431E-01         5.7378E-01           -0.43         5.3286E-01         5.0309E-01         5.4648E-01         5.987E-01         4.8378E-01         5.7378E-01           -0.44         4.9918E-01         5.7396E-01         5.2688E-01         5.8728E-01         5.7378E-01           -0.43         5.2128E-01<		S TGMA:	= 0.59	SIGMA=	C.53	SIGMA=	0.65
$ \begin{array}{c} z_{-Z(P)} & \text{INDEPENDENT} & \text{CUMULATIVE} & \text{INDEPENDENT} & \text{CUMULATIVE} & \text{INDEPENDENT} & \text{CUMULATIVE} \\ \hline 0.60 & 4.5696E-01 & 5.0001E-01 & 4.7041E-01 & 5.0001E-01 & 4.3804E-01 & 5.0001E-01 \\ -0.46 & 4.6009E-01 & 5.0071E-01 & 4.7665E-01 & 5.0753E-01 & 4.4227E-01 & 5.0616E-01 \\ -0.47 & 4.7020E-01 & 5.2028E-01 & 4.8896E-01 & 5.2258E-01 & 4.6606E-01 & 5.181E-01 \\ -0.46 & 4.7518E-01 & 5.2703E-01 & 4.9504E-01 & 5.3759E-01 & 4.5679E-01 & 5.2454E-01 \\ -0.46 & 4.5918E-01 & 5.3737E-01 & 5.0106E-01 & 5.3759E-01 & 4.6671E-01 & 5.2454E-01 \\ -0.44 & 4.899E-01 & 5.4051E-01 & 5.0731E-01 & 5.6731E-01 & 4.6271E-01 & 5.378E-01 \\ -0.44 & 4.897E-01 & 5.4651E-01 & 5.0701E-01 & 5.6761E-01 & 4.6271E-01 & 5.3678E-01 \\ -0.44 & 4.991E-01 & 5.4732E-01 & 5.1870E-01 & 5.6741E-01 & 4.7805E-01 \\ -0.44 & 4.991E-01 & 5.4631E-01 & 5.3006E-01 & 5.6741E-01 & 4.7805E-01 \\ -0.41 & 4.991E-01 & 5.6730E-01 & 5.3066E-01 & 5.622E-01 & 4.6684E-01 & 5.237E-01 \\ -0.39 & 5.022E-01 & 5.6730E-01 & 5.3066E-01 & 5.622E-01 & 4.6805E-01 & 5.6742E-01 \\ -0.39 & 5.022E-01 & 5.6730E-01 & 5.3066E-01 & 5.622E-01 & 4.6805E-01 & 5.622E-01 \\ -0.39 & 5.122E-01 & 5.6730E-01 & 5.454E-01 & 5.6732E-01 & 4.6805E-01 & 5.622E-01 \\ -0.39 & 5.122E-01 & 5.6730E-01 & 5.454E-01 & 4.7805E-01 & 5.622E-01 \\ -0.38 & 5.2351E-01 & 5.66720E-01 & 5.622E-01 & 6.6387E-01 & 5.922E-01 \\ -0.38 & 5.2351E-01 & 5.6306E-01 & 5.621E-01 & 6.1056E-01 & 4.9297E-01 \\ -0.38 & 5.2351E-01 & 5.6306E-01 & 5.621E-01 & 6.1268E-01 & 5.9235E-01 & 6.6037E-01 \\ -0.39 & 5.2351E-01 & 6.3396E-01 & 5.621E-01 & 6.1268E-01 & 5.9235E-01 & 6.6035E-01 \\ -0.29 & 5.877E-01 & 6.3396E-01 & 5.601E-01 & 6.1268E-01 & 5.2019E-01 & 5.972E-01 \\ -0.29 & 5.877E-01 & 6.3396E-01 & 5.601E-01 & 6.1268E-01 & 5.2019E-01 & 5.7452E-01 \\ -0.22 & 5.8257E-01 & 6.6402E-01 & 5.644E-01 & 5.2265E-01 & 6.608E-01 \\ -0.22 & 5.8257E-01 & 6.6402E-01 & 5.644E-01 & 5.2265E-01 & 6.608E-01 \\ -0.22 & 5.8257E-01 & 6.6402E-01 & 5.9471E-01 & 6.7452E-01 & 5.4454E-01 \\ -0.23 & 5.846E-01 & 6.7467E-01 & 5.2736E-01 & 5.4546E-01 & 5.2736E-01 \\ -0.23 & 5.846$		FRACTION	DE CHAIN	FRACTION	OF CHAIN	FRACTION	OF CHAIN
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.50	A.5496E-01	5.0001E-01	4.7041E-01	5.0C01E-01	4.3804L-01	5.00C1E-01
$\begin{array}{c} 0, 4, 6, 5, 17, 0, 5, 13, 5, 15, 16, $	-0.49	4.6009E-01	5.0677+-01	4.7665E-01	5.0753E-01	4.4227E-01	5.0614E-01
0.477         4.70076-01         5.2026-01         4.8006-01         5.22586-01         4.5006-01         5.1841E-01           -0.46         4.70076-01         5.03776-01         5.0106E-01         5.37596-01         4.5649E-01         5.3006E-01           -0.45         4.80746-01         5.4773E-01         5.0106E-01         5.5255E-01         4.6664E-01         5.4289E-01           -0.41         4.89746-01         5.473E-01         5.1276E-01         4.600E-01         4.7431E-01         5.5307E-01           -0.42         4.9447E-01         5.6736E-01         5.3255E-01         4.8731E-01         5.67326E-01           -0.41         4.9332E-01         5.6736E-01         5.32657E-01         4.8732E-01         5.67326E-01           -0.33         5.1222E-01         5.8736E-01         5.32657E-01         4.8352E-01         5.73272E-01           -0.34         5.2252E-01         5.8736E-01         5.4658E-01         5.9687E-01         4.8352E-01         5.97272E-01           -0.35         5.2531E-01         6.03688E-01         5.6748E-01         4.8896E-01         5.97272E-01           -0.34         5.2531E-01         6.04688E-01         5.9746E-01         5.90372E-01         5.91372E-01           -0.33         5.3346E-01         5.6726	-0.49	4 45175-01	5.13536-01	4-8283E-01	5.1506E-01	4.4646E-01	5.1228E-01
0.44       4.7518E-01       5.2703E-01       4.9504E-01       5.3009E-01       4.5464E-01       5.3066E-01         -0.45       4.807E-01       5.4051E-01       5.0106E-01       5.4775E-01       4.6271E-01       5.3066E-01         -0.44       4.897E-01       5.4723E-01       5.1280E-01       5.2551E-01       4.6664E-01       5.4784E-01         -0.42       4.997E-01       5.5070E-01       5.2404E-01       5.4734E-01       4.7431E-01       5.4689E-01         -0.42       4.997E-01       5.6051E-01       5.2404E-01       5.7446E-01       4.7431E-01       5.6489E-01         -0.41       4.991X-01       5.6051E-01       5.3306E-01       5.8222E-01       4.8173E-01       5.6372E-01         -0.39       5.0224E-01       5.0791E-01       5.3566E-01       5.8222E-01       4.8389E-01       5.7324E-01         -0.33       5.1282E-01       6.0397E-01       5.8644E-01       6.1448E-01       4.9910E-01       5.9126E-01         -0.34       5.2932E-01       6.0395E-01       5.7374E-01       6.2132E-01       6.0337E-01       6.1336E-01       5.90692-01       4.9910E-01       5.9126E-01         -0.33       5.3344E-01       6.1336E-01       5.6214E-01       6.1346E-01       4.9910E-01       6.0326E-01	-0.47	4.7020E-01	5.2028E-01	4-8896F-01	5.2258E-01	4.5060E-01	5.1841E-01
-0.35         -0.00000000000000000000000000000000000	-0.46	4.7518E-01	5.2703E-01	4.9504E-01	5.3009E-01	4.5469L-01	5.2454E-01
0.44         4.407E-01         5.4051E-01         5.0701E-01         5.4577E-01         4.6271E-01         5.3678E-01           -0.42         4.0947E-01         5.4722E-01         5.1299E-01         5.5255E-01         4.7690E-01         5.4898E-01           -0.41         4.0917E-01         5.6608E-01         5.22444E-01         5.6743E-01         4.7690E-01         5.677E-01           -0.40         5.037E-01         5.6730E-01         5.3300E-01         5.7484E-01         4.8173E-01         5.6114E-01           -0.39         5.0224E-01         5.4656E-01         5.4222E-01         4.8173E-01         5.7324E-01           -0.37         5.1704E-01         5.6120E-01         5.4654E-01         6.0418E-01         4.9357E-01         5.9327E-01           -0.35         5.2551E-01         6.0035E-01         5.5704E-01         6.4143E-01         4.9910E-01         5.9722E-01           -0.34         5.3364E-01         6.0357E-01         5.77640E-01         6.2351E-01         5.0325E-01         6.0377E-01           -0.33         5.3364E-01         6.20326E-01         5.77680E-01         6.2637E-01         5.97722E-01         6.32762E-01           -0.34         5.3576E-01         6.2639E-01         5.7680E-01         6.2637E-01         6.03752E-01	+0.45	4.8009E-01	5.3377E-01	5.0106E-01	5.3759E-01	4.5873E-01	5.3066E-01
-0.33       -0.42       4.04471-01       5.3394E-01       5.1289E-01       5.0255E-01       4.6664E-01       5.4294E-01         -0.41       4.0912E-01       5.6063E-01       5.2444E-01       5.6748E-01       4.7431E-01       5.5507E-01         -0.40       5.0372E-01       5.6306E-01       5.2444E-01       5.6748E-01       4.7431E-01       5.6720E-01         -0.39       5.0224E-01       5.3054E-01       5.3664E-01       5.6692E-01       4.813E-01       5.6720E-01         -0.38       5.1269E-01       5.4720E-01       5.4644E-01       5.6692E-01       4.8937E-01       5.9727E-01         -0.35       5.235E-01       6.0356E-01       5.6744E-01       6.0418E-01       4.9377E-01       5.9126E-01         -0.35       5.235E-01       6.0356E-01       5.6744E-01       6.1864E-01       4.9910E-01       5.9722E-01         -0.35       5.235E-01       6.0368E-01       5.6714E-01       6.2081E-01       5.03756E-01       6.0177E-01         -0.32       5.3756E-01       6.1986E-01       5.7202E-01       6.32581E-01       5.03756-01       6.4022E-01         -0.28       5.5231E-01       6.0986E-01       5.4674E-01       5.2019E-01       6.3266E-01         -0.28       5.5231E-01       6.0986E-01	-0.44	4.8495E-01	5.4051E-01	5.0701E-01	5.4507E-01	4.6271E-01	5.3678E-01
	-0.43	4.8974E-01	5.4723E-01	5.1289E-01	5.5255E-01	4.6664L-01	5.4289E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.42	4.9447E-01	5.5394E-01	5.1870E-01	5.6COOE-01	4.70501-01	5.4898E-01
$\begin{array}{c} -0.40 \\ -0.30 \\ -0.30 \\ -0.30 \\ -0.30 \\ -0.31 \\ -0.31 \\ -0.31 \\ -0.31 \\ -0.31 \\ -0.31 \\ -0.31 \\ -0.31 \\ -0.32 \\ -0.22 \\ -0.32 \\ -0.22 \\ -0.32 \\ -0.22 \\ -0.32 \\ -0.22 \\ -0.32 \\ -0.22 \\$	-0.41	4.9913E-01	5.6063E-01	5.2444E-01	5.6743E-01	4.7431E-01	5.5507E-01
$\begin{array}{c} -0.39 \\ 5.0824 \\ -0.37 \\ 5.1204 \\ -0.37 \\ 5.1704 \\ -0.37 \\ 5.1704 \\ -0.37 \\ 5.1704 \\ -0.35 \\ 5.2251 \\ \\ -0.35 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.36 \\ 5.2251 \\ \\ -0.31 \\ 5.3346 \\ -01 \\ 6.1986 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.62246 \\ -01 \\ 5.6306 \\ -01 \\ 5.6326 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6306 \\ -01 \\ 5.6406 \\ -01 \\ 5.6307 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 \\ -01 \\ 5.6300 $	-0.40	5.0372E-01	5.6730E-01	5.3009E-01	5.7484E-01	4.7805E-01	5.6114E-01
$\begin{array}{c} -0.38 \\ -0.37 \\ -0.37 \\ 5.1704 \\ -0.37 \\ 5.1704 \\ +01 \\ 5.80726 \\ -0.36 \\ 5.21326 \\ -01 \\ 5.80726 \\ -0.35 \\ 5.225516 \\ -01 \\ 5.80776 \\ -01 \\ 5.80776 \\ -01 \\ 5.51846 \\ -01 \\ 5.51846 \\ -01 \\ 5.51846 \\ -01 \\ 5.51846 \\ -01 \\ 5.51846 \\ -01 \\ 5.57046 \\ -01 \\ 6.11436 \\ -01 \\ 4.92366 \\ -01 \\ 5.9016 \\ -0.33 \\ 5.33646 \\ -01 \\ 5.1386 \\ -01 \\ 5.67146 \\ -01 \\ 5.57046 \\ -01 \\ 5.57046 \\ -01 \\ 5.80776 \\ -01 \\ 5.80776 \\ -01 \\ 5.80776 \\ -01 \\ 5.80776 \\ -01 \\ 5.80776 \\ -01 \\ 5.80776 \\ -01 \\ 5.80776 \\ -01 \\ 5.8086 \\ -01 \\ 5.80776 \\ -01 \\ 5.8086 \\ -01 \\ 5.80776 \\ -01 \\ 5.8086 \\ -01 \\ 5.80776 \\ -01 \\ 5.8086 \\ -01 \\ 5.80876 \\ -01 \\ 5.8086 \\ -01 \\ 5.80876 \\ -01 \\$	-0.39	5.0824E-01	5.7396E-01	5.3566E-01	5.8222E-01	4.8173E-01	5.6720E-01
$\begin{array}{c} -0.37 \\ 5.170 & 5.170 & 5.0722 \\ -0.36 \\ 5.2132 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.35 \\ 5.2551 \\ -0.31 \\ 5.3764 \\ -0.1 \\ 5.6229 \\ -0.31 \\ 5.3764 \\ -0.1 \\ 5.6229 \\ -0.31 \\ 5.3764 \\ -0.1 \\ 5.6229 \\ -0.31 \\ 5.3764 \\ -0.1 \\ 5.6229 \\ -0.31 \\ 5.3764 \\ -0.1 \\ 5.6229 \\ -0.25 \\ 5.3756 \\ -0.1 \\ 5.6229 \\ -0.25 \\ 5.6229 \\ -0.25 \\ 5.5231 \\ -0.25 \\ 5.5331 \\ -0.25 \\ 5.5331 \\ -0.25 \\ 5.5331 \\ -0.25 \\ 5.5331 \\ -0.25 \\ 5.5331 \\ -0.25 \\ 5.5500 \\ -0.25 $	-0.38	5.126 BE-01	5.8059E-01	5.4115E-01	5.8957E-01	4.85356-01	5.7324E-01
$\begin{array}{c} -0.36 \\ -0.36 \\ 5.2132E-01 \\ 5.0376E-01 \\ 5.5164E-01 \\ 6.0035E-01 \\ 5.5704E-01 \\ 6.1143E-01 \\ 4.9977E-01 \\ 5.9722E-01 \\ 5.0326E-01 \\ 5.0336E-01 \\ 6.1338E-01 \\ 5.6214E-01 \\ 5.6214E-01 \\ 6.2891E-01 \\ 5.0325E-01 \\ 6.0037E-01 \\ 5.0326E-01 \\ 5.0426E-01 \\ 5.0602E-01 \\ 5.0622E-01 \\ 5.0307E-01 \\ 6.0612E-01 \\ 5.0307E-01 \\ 5.0307E-01 \\ 5.0640E-01 \\ 5.0307E-01 \\ 5.040E-01 \\ 5.0307E-01 \\ 5.0308E-01 \\ 5.0308E-0$	-0.37	5.1704E-01	5.8720E-01	5.4654E-01	5.96896-01	4.8889E-01	5.7927E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.36	5.2132E-01	5.9379E-01	5.5184E-01	6.0418E-01	4.9236E-01	5.8527E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.35	5.2551E-01	6.0035E-01	5.5704E-01	6.1143E-01	4.9577E-01	5.9126E-01
-0.33       5.3344E-01       6.1388E-01       5.6714E-01       6.2581E-01       5.0235E-01       6.0317E-01         -0.32       5.3756E-01       6.1966E-01       5.7202E-01       6.3294E-01       5.05532E-01       6.0907E-01         -0.31       5.4140E-01       6.2629E-01       5.8602E-01       6.4705E-01       5.1164E-01       6.2695E-01         -0.29       5.4513E-01       6.3390E-01       5.8600E-01       6.6097E-01       5.1164E-01       6.2669E-01         -0.28       5.5231E-01       6.4539E-01       5.9042E-01       6.6097E-01       5.2019E-01       6.32267E-01         -0.24       5.5507E-01       6.5168E-01       5.9471E-01       6.6765E-01       5.2237E-01       6.4032E-01         -0.25       5.6229E-01       6.6412E-01       6.0291E-01       6.8144E-01       5.2287E-01       6.4403E-01         -0.24       5.6540E-01       6.7028E-01       6.0681E-01       6.8144E-01       5.2284E-01       6.403E-01         -0.25       5.6229E-01       6.640E-01       6.1058E-01       6.3478E-01       5.3259E-01       6.5543E-01         -0.21       5.7126E-01       6.2422E-01       7.0708E-01       5.3491E-01       6.3298E-01       6.3549E-01         -0.22       5.7126E-01       6.2422E-	-0.34	5.2962E-01	6.0688E-01	5.6214E-01	6.1864E-01	4.9910E-01	5.9722E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.33	5.3364E-01	6.1338E-01	5.6714E-01	6.2581E-01	5.0235E-01	6.0317E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.32	5.3756E-01	6.1986E-01	5.7202E-01	6.3294E-01	5.0553E-01	6.09C9E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.31	5.4140E-01	6.2629E-01	5.7680E-01	6.4C02E-01	5.0862E-01	6.1498E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.30	5.4513E-01	6.3269E-01	5.8146E-01	6.4705E-01	5.1164E-01	6.2085E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.29	5.4877E-01	6.3906E-01	5.8600E-01	6.5404E-01	5.1457E-01	6.2669E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.28	5.5231E-01	6.4539E-01	5.9042E-01	6.6097E-01	5.1743E-01	6.3250E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.27	5.5574E-01	6.5168E-01	5.9471E-01	6.6785E-01	5.2019E-01	6.3828E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.26	5.5907E-01	6.5792E-01	5.9888E-01	6.7467E-01	5-2287E-01	6.4403E+01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.25	5 <b>.6229E-0</b> 1	6.6412E-01	6.0291E-01	6.8144E-01	5.2546E-UI	6.49/4E-UI
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.24	5.6 <b>540</b> E-01	6.7028E-01	6.0681E-01	6.8814E-01	5.27965-01	6 6 1 0 8 C - 0 1
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.23	5 <b>.6840E-01</b>	6.7640E-01	6.1058E-01	6.9478E-01	5.30378-01	6.61002-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.22	5.7129E-01	6.8246E-01	6.1420E-01	7.01365-01	5.34016-01	6 7226E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.21	5.7406E-01	6.8848E-01	6.1769E-UI	7.14335-01	5 37045-01	6.7780E-01
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	-0.20	5.7672E-01	6.9445E-01	6.2103E-01	7.14325-01	5 39076-01	6.8330E-01
-0.16       5.816 TE-OI       7.0622E-OI       6.3015E-OI       7.270E-OI       5.4701E-OI       5.4701E-OI       5.6015E-OI         -0.17       5.8397E-OI       7.1203E-OI       6.3015E-OI       7.3325E-OI       5.4284E-OI       6.9417E-OI         -0.16       5.8614E-OI       7.1779E-OI       6.3289E-OI       7.3941E-OI       5.4458E-OI       6.9417E-OI         -0.15       5.8819E-OI       7.2349E-OI       6.3790E-OI       7.4550E-OI       5.4622E-OI       7.0488E-OI         -0.13       5.9190E-OI       7.3471E-OI       6.4017E-OI       7.5151E-OI       5.4775E-OI       7.1016E-OI         -0.13       5.9190E-OI       7.3471E-OI       6.4017E-OI       7.5745E-OI       5.4919E-OI       7.1541E-OI         -0.12       5.9357E-OI       7.4024E-OI       6.4227E-OI       7.6331E-OI       5.5052E-OI       7.2060E-OI         -0.10       5.9652E-OI       7.5111E-OI       6.4599E-OI       7.7480E-OI       5.5174E-OI       7.3085E-OI         -0.08       5.9894E-OI       7.6495E-OI       6.5032E-OI       7.5398E-OI       7.4596E-OI       5.5480E-OI       7.492E-OI         -0.06       6.0082E-OI       7.6495E-OI       6.5032E-OI       5.5480E-OI       7.4587E-OI         -0.07       5.9995E-O	-0.19	5.7926E-01	7.0036E-01	6.2422E-UI	7.20702-01	5 41016-01	6.8875E-01
-0.17       5.8397E-01       7.1203E-01       6.3289E-01       7.3322E-01       5.4401E-01       5.4401E-01         -0.16       5.8614E-01       7.1779E-01       6.3289E-01       7.3941E-01       5.4458E-01       6.9954E-01         -0.15       5.8619E-01       7.2349E-01       6.3289E-01       7.4550E-01       5.4452E-01       7.0488E-01         -0.14       5.9011E-01       7.2913E-01       6.3790E-01       7.5151E-01       5.4775E-01       7.1016E-01         -0.13       5.9357E-01       7.3471E-01       6.4017E-01       7.5745E-01       5.5052E-01       7.2060E-01         -0.12       5.9357E-01       7.46776E-01       6.4227E-01       7.6331E-01       5.5052E-01       7.2060E-01         -0.10       5.9652E-01       7.5111E-01       6.4227E-01       7.6490E-01       5.5174E-01       7.2060E-01         -0.10       5.9652E-01       7.5111E-01       6.4276E-01       7.6809E-01       5.5174E-01       7.3085E-01         -0.03       5.9692E-01       7.5645E-01       6.4700E-01       7.8696E-01       5.5388E-01       7.3591E-01         -0.04       6.0092E-01       7.6695E-01       6.5033E-01       7.9141E-01       5.5630E-01       7.4587E-01         -0.05       6.0157E-01       7.7719E	-0.18	5.8167E-01	7.0622E-01		7 33365-01	5.42846-01	6.9417E-01
-0.16       5.8614E-01       7.1779E-01       6.3269E-01       7.3371E-01       5.4775E-01       7.0488E-01         -0.15       5.8619E-01       7.2349E-01       6.3548E-01       7.4550E-01       5.4622E-01       7.0488E-01         -0.14       5.9011E-01       7.2913E-01       6.3790E-01       7.5151E-01       5.4775E-01       7.1016E-01         -0.13       5.9190E-01       7.3471E-01       6.4017E-01       7.5745E-01       5.4919E-01       7.1541E-01         -0.12       5.9357E-01       7.4024E-01       6.4227E-01       7.6331E-01       5.5052E-01       7.2060E-01         -0.11       5.9511E-01       7.4570E-01       6.4421E-01       7.6909E-01       5.5174E-01       7.2575E-01         -0.10       5.9552E-01       7.5111E-01       6.4599E-01       7.7480E-01       5.5287E-01       7.3085E-01         -0.03       5.95952E-01       7.5645E-01       6.4760E-01       7.8042E-01       5.5388E-01       7.3591E-01         -0.04       5.9995E-01       7.6695E-01       6.5033E-01       7.9141E-01       5.5600E-01       7.4587E-01         -0.05       6.0082E-01       7.719E-01       6.5134E-01       7.9679E-01       5.5630E-01       7.5563E-01         -0.04       6.0218E-01       7.8212E-	-0.17	5.839/E-01	7.1203E-01	6.30192-01	7 30615-01	5 44585-01	6.9954E-01
-0.15       5.8819E-01       7.2349E-01       6.3396E-01       7.4430E-01       5.4712E-01         -0.14       5.901E-01       7.2913E-01       6.3790E-01       7.5151E-01       5.4775E-01       7.1016E-01         -0.13       5.9190E-01       7.3471E-01       6.4017E-01       7.5745E-01       5.4919E-01       7.1541E-01         -0.12       5.9357E-01       7.4024E-01       6.4227E-01       7.6331E-01       5.5052E-01       7.2060E-01         -0.11       5.9511E-01       7.4570E-01       6.4421E-01       7.6909E-01       5.5174E-01       7.3265E-01         -0.10       5.9652E-01       7.511E-01       6.44599E-01       7.80642E-01       5.5287E-01       7.3085E-01         -0.03       5.9779E-01       7.5645E-01       6.4760E-01       7.8092E-01       5.5388E-01       7.3591E-01         -0.04       5.9995E-01       7.6173E-01       6.4905E-01       7.8596E-01       5.5600E-01       7.4587E-01         -0.05       6.0002E-01       7.7104E-01       6.5338E-01       7.9079E-01       5.5630E-01       7.4587E-01         -0.04       6.0218E-01       7.8221E-01       6.5315E-01       8.0208E-01       5.5738E-01       7.6044E-01         -0.03       6.0265E-01       7.8717E-01       6.5315E-	-0.16	5.8614E-01	7.1779E-01	6.3269E-01	7 45505-01	5.46225-01	7.0488E-01
-0.14       5.9011E-01       7.2913E-01       6.5016E-01       7.5745E-01       5.4919E-01       7.1541E-01         -0.13       5.9190E-01       7.3471E-01       6.4017E-01       7.5745E-01       5.4919E-01       7.1541E-01         -0.12       5.9357E-01       7.4024E-01       6.4227E-01       7.6331E-01       5.5052E-01       7.2060E-01         -0.11       5.9571E-01       7.4570E-01       6.4421E-01       7.6909E-01       5.5174E-01       7.2575E-01         -0.10       5.9652E-01       7.5111E-01       6.4599E-01       7.7480E-01       5.5388E-01       7.3591E-01         -0.03       5.9779E-01       7.6173E-01       6.4700E-01       7.8042E-01       5.5388E-01       7.3591E-01         -0.08       5.9894E-01       7.6173E-01       6.4905E-01       7.8596E-01       5.5480E-01       7.4587E-01         -0.08       5.9894E-01       7.66495E-01       6.5033E-01       7.9141E-01       5.5560E-01       7.4587E-01         -0.08       5.9894E-01       7.7210E-01       6.5144E-01       7.9679E-01       5.5630E-01       7.4587E-01         -0.05       6.0157E-01       7.7719E-01       6.5238E-01       8.0208E-01       5.5690E-01       7.5563E-01         -0.04       6.0214E-01       7.8717E	-0.15	5.88192-01	7.23496-01		7.51516-01	5.47756-01	7.1016E-01
-0.13       5.9190E-01       7.3471E-01       6.4011E-01       7.6331E-01       5.9171E-01       7.2060E-01         -0.12       5.9357E-01       7.4024E-01       6.4227E-01       7.6331E-01       5.5052E-01       7.2060E-01         -0.11       5.951E-01       7.4570E-01       6.4421E-01       7.6909E-01       5.5174E-01       7.2575E-01         -0.10       5.9652E-01       7.5111E-01       6.4599E-01       7.7480E-01       5.5388E-01       7.3085E-01         -0.09       5.9779E-01       7.5645E-01       6.4760E-01       7.8042E-01       5.5388E-01       7.3591E-01         -0.08       5.9894E-01       7.6173E-01       6.4905E-01       7.8596E-01       5.5480E-01       7.4587E-01         -0.08       5.98995E-01       7.6173E-01       6.5033E-01       7.9141E-01       5.5560E-01       7.4587E-01         -0.06       6.0042E-01       7.7210E-01       6.5144E-01       7.9679E-01       5.5630E-01       7.5563E-01         -0.05       6.0157E-01       7.7719E-01       6.5238E-01       8.0208E-01       5.5738E-01       7.6549E-01         -0.04       6.0218E-01       7.8717E-01       6.5315E-01       8.0229E-01       5.5738E-01       7.6519E-01         -0.03       6.0269E-01       7.8717E-	-0.14	5.901 IE-01	7.29130-01	6.57902-01	7 57456-01	5.49191-01	7.1541E-01
-0.12       5.9397-01       7.4024E-01       6.4221E-01       7.6909E-01       5.5174E-01       7.2575E-01         -0.11       5.9652E-01       7.5111E-01       6.4421E-01       7.6909E-01       5.5174E-01       7.2575E-01         -0.10       5.9652E-01       7.5111E-01       6.4421E-01       7.6909E-01       5.5174E-01       7.2575E-01         -0.09       5.9779E-01       7.5111E-01       6.4700E-01       7.8042E-01       5.5388E-01       7.3591E-01         -0.08       5.9894E-01       7.6173E-01       6.4700E-01       7.8596E-01       5.55480E-01       7.4597E-01         -0.08       5.9894E-01       7.6695E-01       6.5033E-01       7.8596E-01       5.5560E-01       7.4597E-01         -0.07       5.9995E-01       7.6695E-01       6.5033E-01       7.9141E-01       5.5560E-01       7.4597E-01         -0.06       6.0092E-01       7.7719E-01       6.5238E-01       8.0208E-01       5.5690E-01       7.5563E-01         -0.05       6.0157E-01       7.8221E-01       6.5315E-01       8.0208E-01       5.5736E-01       7.6549E-01         -0.04       6.0218E-01       7.8717E-01       6.5315E-01       8.1241E-01       5.5736E-01       7.6519E-01         -0.03       6.0269E-01       7.8717E-	-0.13	5.9190E-01	7.39710-01	6 42275-01	7 63315-01	5,50526-01	7.2060E-01
-0.11       5.911E-01       7.4970E-01       6.4742E-01       7.7480E-01       5.911E-01       7.3085E-01         -0.10       5.9652E-01       7.511E-01       6.4599E-01       7.7480E-01       5.5287E-01       7.3085E-01         -0.09       5.9779E-01       7.5645E-01       6.4760E-01       7.8042E-01       5.5388E-01       7.3591E-01         -0.08       5.9894E-01       7.6173E-01       6.4760E-01       7.8096E-01       5.55480E-01       7.4592E-01         -0.07       5.9995E-01       7.6695E-01       6.5033E-01       7.9141E-01       5.5560E-01       7.4587E-01         -0.06       6.0082E-01       7.7210E-01       6.5144E-01       7.9679E-01       5.5630E-01       7.5563E-01         -0.05       6.0157E-01       7.7719E-01       6.5335E-01       8.0208E-01       5.5690E-01       7.5563E-01         -0.04       6.0218E-01       7.8221E-01       6.5315E-01       8.0208E-01       5.5738E-01       7.6044E-01         -0.03       6.0265E-01       7.8717E-01       6.5315E-01       8.1241E-01       5.5786-01       7.6519E-01         -0.02       6.0299E-01       7.9668E-01       6.5418E-01       8.1745E-01       5.5803E-01       7.6959E-01         -0.01       6.0319E-01       7.9688E-01<	-0.12	5.939/E-01	7.40245-01	6 44216-01	7.6909E-01	5.5174E-01	7.2575E-01
-0.10       5.96322-01       7.51112-01       6.7372-01       7.80102-01       7.35912-01         -0.09       5.9779E-01       7.5645E-01       6.4760E-01       7.8042E-01       5.5388E-01       7.3591E-01         -0.08       5.9894E-01       7.6173E-01       6.4760E-01       7.8042E-01       5.5388E-01       7.4092E-01         -0.08       5.99995E-01       7.6695E-01       6.5033E-01       7.9141E-01       5.5560E-01       7.4587E-01         -0.06       6.0002E-01       7.7210E-01       6.5144E-01       7.9679E-01       5.5630E-01       7.5078E-01         -0.05       6.0157E-01       7.7719E-01       6.5238E-01       8.0208E-01       5.5690E-01       7.5563E-01         -0.04       6.0218E-01       7.8717E-01       6.5375E-01       8.0208E-01       5.5738E-01       7.6044E-01         -0.03       6.0265E-01       7.8717E-01       6.5375E-01       8.1241E-01       5.5776E-01       7.6519E-01         -0.02       6.0299E-01       7.9206E-01       6.5448E-01       8.1745E-01       5.5803E-01       7.6989E-01         -0.01       6.0319E-01       7.9688E-01       6.5444E-01       8.2240E-01       5.5819E-01       7.7453E-01	-0.11	5.95118-01	7.45700-01	6 46005-01	7.7480E-01	5-5287E-01	7.3085E-01
-0.09       5.97770-01       7.5032-01       6.0022-01       7.6072-01       7.4092E-01         -0.08       5.9894E-01       7.6173E-01       6.4905E-01       7.8596E-01       5.5480E-01       7.4092E-01         -0.07       5.9995E-01       7.6695E-01       6.5033E-01       7.9141E-01       5.5560E-01       7.4587E-01         -0.06       6.0082E-01       7.7210E-01       6.5144E-01       7.9679E-01       5.5630E-01       7.5078E-01         -0.05       6.0157E-01       7.7719E-01       6.5238E-01       8.0208E-01       5.5690E-01       7.5563E-01         -0.04       6.0214E-01       7.8221E-01       6.5375E-01       8.0729E-01       5.5738E-01       7.6044E-01         -0.03       6.0265E-01       7.8717E-01       6.5375E-01       8.1241E-01       5.5776E-01       7.6519E-01         -0.02       6.0299E-01       7.9206E-01       6.5448E-01       8.1745E-01       5.5803E-01       7.6989E-01         -0.01       6.0319E-01       7.9688E-01       6.5444E-01       8.2240E-01       5.5819E-01       7.7453E-01	-0.10	5.90725-01	7.51110-01	6.4760E-01	7.8042E-01	5.5388E-01	7.3591E-01
-0.08       5.9995E-01       7.6695E-01       6.5032E-01       7.9141E-01       5.5560E-01       7.4587E-01         -0.07       5.9995E-01       7.6695E-01       6.5032E-01       7.9141E-01       5.5560E-01       7.4587E-01         -0.06       6.0082E-01       7.7210E-01       6.5144E-01       7.9679E-01       5.5560E-01       7.5078E-01         -0.05       6.0157E-01       7.7719E-01       6.5238E-01       8.0208E-01       5.55690E-01       7.5563E-01         -0.04       6.0248E-01       7.8221E-01       6.5315E-01       8.0729E-01       5.5738E-01       7.6044E-01         -0.03       6.0269E-01       7.8717E-01       6.5315E-01       8.1241E-01       5.5776E-01       7.6519E-01         -0.02       6.0299E-01       7.9206E-01       6.5418E-01       8.1745E-01       5.5803E-01       7.6989E-01         -0.01       6.0319E-01       7.9688E-01       6.5444E-01       8.2240E-01       5.5819E-01       7.453E-01	-0.09	5.9//90-01	7.50450-01	6.4905E-01	7.8596E-01	5.5480E-01	7.4092E-01
-0.06         6.0002E-01         7.7719E-01         6.5144E-01         7.9679E-01         5.5630E-01         7.5078E-01           -0.05         6.0157E-01         7.7719E-01         6.5238E-01         8.0208E-01         5.5630E-01         7.5563E-01           -0.04         6.0218E-01         7.8221E-01         6.5315E-01         8.0208E-01         5.5738E-01         7.6044E-01           -0.03         6.0265E-01         7.8717E-01         6.5315E-01         8.1241E-01         5.5736E-01         7.6519E-01           -0.02         6.0299E-01         7.9206E-01         6.5418E-01         8.1745E-01         5.5803E-01         7.6989E-01           -0.01         6.0319E-01         7.9688E-01         6.5444E-01         8.2240E-01         5.5819E-01         7.453E-01	-0.08	5 00055-01	7.66955-01	6.5033F-01	7.9141E-01	5.5560E-01	7.4587E-01
-0.05       6.0157E-01       7.7719E-01       6.5238E-01       8.0208E-01       5.5690E-01       7.5563E-01         -0.04       6.0218E-01       7.8221E-01       6.5315E-01       8.0208E-01       5.5738E-01       7.6044E-01         -0.03       6.0265E-01       7.8717E-01       6.5375E-01       8.1241E-01       5.5776E-01       7.6519E-01         -0.02       6.0299E-01       7.9206E-01       6.5418E-01       8.1745E-01       5.5803E-01       7.6989E-01         -0.01       6.0319E-01       7.9688E-01       6.5444E-01       8.2240E-01       5.5819E-01       7.7453E-01	-0.07	5 00025-01	7.72106-01	6.5144E-01	7.9679E-01	5.5630E-01	7.5078E-01
-0.04 6.0218E-01 7.8221E-01 6.5315E-01 8.C729E-01 5.5738E-01 7.6044E-01 -0.03 6.0265E-01 7.8717E-01 6.5375E-01 8.1241E-01 5.5776E-01 7.6519E-01 -0.02 6.0299E-01 7.9206E-01 6.5418E-01 8.1745E-01 5.5803E-01 7.6989E-01 -0.01 6.0319E-01 7.9688E-01 6.5444E-01 8.2240E-01 5.5819E-01 7.7453E-01	-0.05	6.0167E-01	7.771901	6.5238E-01	8.0208E-01	5.5690E-01	7.5563E-01
-0.03 6.0265E-01 7.8717E-01 6.5375E-01 8.1241E-01 5.5776E-01 7.6519E-01 -0.02 6.0299E-01 7.9206E-01 6.5418E-01 8.1745E-01 5.5803E-01 7.6989E-01 -0.01 6.0319E-01 7.9688E-01 6.5444E-01 8.2240E-01 5.5819E-01 7.7453E-01	-0.05	6.021#5-01	7.82216-01	6.5315E-01	8.C729E-01	5.5738E-01	7.6044E-01
-0.02 6.0299E-01 7.9206E-01 6.5418E-01 8.1745E-01 5.5803E-01 7.6989E-01 -0.01 6.0319E-01 7.9688E-01 6.5444E-01 8.2240E-01 5.5819E-01 7.7453E-01	-0.03	6.0265E-01	7.8717E-01	6.5375E-01	8.1241E-01	5.5776E-01	7.6519E-01
-0.01 6.0319E-01 7.9688E-01 6.5444E-01 8.2240E-01 5.5819E-01 7.7453E-01	-0.02	6.0299F-01	7.9206E-01	6.5418E-01	8.1745E-01	5.5803E-01	7.6989E-01
	-0.01	6.0319E-01	7.9688E-01	6.5444E-01	8.2240E-01	5.5819E-01	7.7453E-01

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	S IGMA	= 0.59	SIGMA	= 0.53	STGMA	. 0.65
	FRACTION	DF CHAIN	FRACTION	OF CHAIN	FRACTION	DE CHAIN
2-2(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INDEPENOENT	CUMULATIVE
0 <b>.00</b>	6.032 <b>6E-01</b>	8.0163E-01	6.5452E-01	8.2727E-01	5.5824E-01	7.7913E-01
0 <b>.0</b> 1	6.0319E-01	8.0632E-01	6.5444E-01	8.3205E-01	5.5819E-01	7.8366E-01
0.02	6.0299E-01	8.1094E-01	6.5418E-01	8.3674E-01	5.5803E-01	7.8815E-01
0.03	6.0265E-01	8.1549E-01	6.5375E-01	8.4135E-01	5.5776E-01	7.9258E-01
0.04	6.02 <b>18E-0</b> 1	8.1998E-01	6.5315E-01	8.4587E-01	5.5738E-01	7.9695E-01
0.05	6.0157E-01	8.2439E-01	6.5238E-01	8.5031E-01	5.5689E-01	8.0127E-01
0.06	6.0 <b>082</b> E-01	8.2873E-01	6.5144E-01	8.5466E-01	5.5630E-01	8.0553E-01
0.07	5 <b>.9994E-01</b>	8.3301E-01	6.5033E-01	8.5892E-01	5.5560E-01	8.0974E-01
0.08	5 <b>.9893E-0</b> 1	8.3721E-01	6.4905E-01	8.6310E-01	5.5480E-01	8.1389E-01
0.09	5.9779E-01	8.4135E-01	6.4760E-01	8.6719E-01	5.5388E-01	8.1798E-01
0.10	5.9 <b>651E-0</b> 1	8.4542E-01	6.4599E-01	8.7120E-01	5.52876-01	8.2202E-01
0.11	5 <b>.951</b> 1E <b>-0</b> 1	8.4941E-01	6.4421E-01	8.7513E-01	5.5174E-01	8.26C0E-01
0.12	5.9357E-01	8.5334L-01	6.4227E-01	8.7897E-01	5.5051E-01	8.2992E-01
0.13	5.919 <b>0E-01</b>	8.5720E-01	6.4016E-01	8.8272E-01	5.4918E-01	8.3379E-01
0.14	5.9 <b>01</b> 1E-01	8.6099E-01	6.3790E-01	8.8639E-01	5.4775E-01	8.3760E-01
0.15	5.8818E-01	8.6471E-01	6.3547E-01	8.8998E-01	5.4621E-01	8.4135E-01
0.16	5 <b>.8614E-0</b> 1	8.6836E-01	6.3289E-01	8.9349E-01	5.4458E-01	8.4504E-01
0.17	5.8396E-01	8.7194E-01	6.3015E-01	8.9692E-01	5.4284E-01	8.4868E-01
0.18	5.8167E-01	8.75 <b>45</b> E-01	6.2726E-01	9.0026E-01	5.4100E-01	8.5226E-01
0.19	5.7925E-01	8.7890E-01	6.2421E-01	9.0353E-01	5.3907E-01	8.5578E-01
0.20	5.7671E-01	8.8228E-01	6.2102E-01	9.0671E-01	5.3703E-01	8.5925E-01
0.21	5.7406E-01	8.8559E-01	6.1768E-01	9.0982E-01	5.3491E-01	8.6265E-01
0.22	5.7128E-01	8.8883E-01	6.1420E-01	9.1285E-01	5.3268E-01	8.6601E-01
0.23	5.6840E-01	8.9201E-01	6.1057E-01	9.1580E-01	5.3036E-01	8.6930E-01
0.24	5.65402-01	8.9513E-01	6.0681E-01	9.1868E-01	5.2796E-01	8.7254E-01
0.25	5.62282-01	8.98176-01	6.0290E-01	9.2148E-01	5.2545E-01	8.7572E-01
0.27	5.5900E-01	9.01156-01	5.9887E-01	9.2421E-01	5.2286E-01	8.7885E-01
0.27	5.5005-01	9.0407E-01	5.94/UE-UI	9.2687E-01	5.2019E-01	8.8192E-01
0.20	5.40745-01	9.0892E-01	5.9041E-01	9.2945E-01	5.1742E-01	8.8493E-01
0.27	5.4610C-01	9.09/1E-01	2.8244E-01	9.31965-01	5.1457E-01	8.8789E-01
0.30	5 41305 -01	9.12998-01	5.8145E-UI	9.3441E-01	5.1163E-01	8.9080E-01
0.32	5 37645-01	9.15116-01	5.70796-01	9.3678E-01	5.0862E-01	8.9365E-01
0.32	5 324 25 -01	9.17716-01	5.7201E-01	9.3909E-01	5.0552E-01	8.9645E-01
0.35	5 20415-01	9.20205-01	5.67136-01	9.41335-01	5.0234E-01	8.9919E-01
0.35	5.25606-01	9.22/90-01	5.6213E-01	9.43516-01	4.9909E-01	9.0188E-01
0.35	5 21315-01	9.23100-01	5.5703E-01	9.4702E-UI	4.9576E-01	9.0451E-01
0.37	5 17026-01	9.27335-01	5.51836-01	9.4/0/E-UI	4.92365-01	9.0716E-01
0.30	5 12675-01	9.29090-01	5.40336-01	9.4900E-UI	4.8888E-01	9.0963E-01
0.30	5 08235-01	9.34305-01	5 35455-01	9.51585-01	4.8534E-UI	9.1211E-01
0.40	5.02715-01	9.34436-01	5.30085-01	9.53450-01	4.81/3E-UI	9.1454E-01
0.41	4.99126-01	9.30430-01	5.30082-01	9.3320E-UI	4.7805E-01	9.1692E-01
0.42	4.94446-01	9.50510-01	5 18405-01	9.57010-01	4.7430E-01	9.19256-01
0.43	4.8974F-01	9.42525-01	5 12885-01	9.50710-01	4.70502-01	9.2152E-01
0.44	4.8494F-01	9.44456-01	5.07006-01	9.0039C-01	4.6000JE-UI	7.2373E-UI
0.45	4.8008F-01	9.46325-01	5.0104F-01	9.63475-01	4.54725-01	7+2374E=U1
0.46	4.7517E-01	9.4815E-01	4.9503E-01	9.64966-01	4.54686-01	9 20155-01
0.47	4.7019E-01	9.4992E-01	4.8895F-01	9.66396-01	4.5050E-UI 4.5050E-01	7.3013E-01
0.48	4.6516E-01	9.51656-01	4.8282F-01	9.67786-01	4.50576-01	7+J217C-UL
0.49	4.6008E-01	9.53321-01	4.76636-01	9.69126-01	4.42266-01	9.36136-01
					TETELOL CI	FERENCE CE

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	S IGMA	≖ 0 <b>.</b> 59	SIGMA	= 0.53	SIGMA	• 0 <b>.65</b>
	FR AC TION	OF CHAIN	FRACTION	OF CHAIN	FRACTION	OF CHAIN
Z-Z(P)	INDEPENDENT	CUMULATIVE	INCEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE
0.50	4.5495E-01	9.5496E-01	4 <b>.</b> 7040E-01	9.7041E-01	4.3803E-01	9.3803E-01
0.51	4.4977E-01	9.5654E-01	4.6412E-01	9.7165E-01	4.33756-01	9.3989E-01
0.52	4.4455E-01	9.5808E-01	4.578CE-01	9.7286E-01	4.2943E-01	9.4170E-01
0.53	4.3929E-01	9.5958t-01	4.5144E-01	9.7402E-01	4.2506E-01	9.4347E-01
0.54	4.3399E-01	9.6103E-01	4.4505E-01	9.7514E-01	4.2066E-01	9.4520E-01
0.55	4.2866E-01	9.6244E-01	4.3863E-01	9.7621E-01	4.1622E-01	9.4689E-01
0.56	4.2330E-01	9.6380E-01	4.3218E-01	9.7725E-01	4.1175E-01	9.4853E-01
0.57	4.1790E-01	9.6513E-01	4.2571E-01	9.7825E-01	4.0725E-01	9.5014E-01
0.58	4.1248E-01	9.6641E-01	4 <b>.1</b> 922E-01	9.7921E-01	4.0272L-01	9.5170E-01
0.59	4.0703E-01	9.6766E-01	4.1271E-01	9.8014E-01	3.98156-01	9.5322E-01
0.60	4.0157E-01	9.6887E-01	4.0619E-01	9.8103E-01	3.9357E-01	9.5471E-01
0.61	3.9608E-01	9.7004E-01	3.9967E-01	9.8189E-01	3.8896E-01	9.5615E-01
0.62	3.9058E-01	9.7117E-01	3.9314E-01	9.8271E-01	3.84326-01	9.5756E-01
0.63	3.8507E-01	9.7227E-01	3.8661E-01	9.8350E-01	3.79676-01	9.5894E-01
0.64	3.7954E-01	9.7333E-01	3.8009E-01	9.8426E-01	3.7500E-01	9.60276-01
0.65	3.7401E-01	9.7436E-01	3.7356E-01	9.8499E-01	3.7031E-01	9.6157E-01
0.66	3.6848E-01	9.7536E-01	3.6705E-01	9.8569E-01	3.6562L-01	9.6284E-01
0.67	3.6294E-01	9.7632E-01	3.6055E-01	9.8636E-01	3.6090E-01	9.6407E-01
0.68	3.5740E-01	9.7725E-01	3.5407E-01	9.8701E-01	3.5618E-01	9.6527E-01
0.69	3.5186E-01	9.7815E-01	3.4761E-01	9.8763E-01	3.5145E-01	9.6643E-01
0.70	3.4633E-01	9.7902E-01	3.4116E-01	9.8822E-01	3.4672E-01	9.6757E-01
0.71	3.4080E-01	9.7986E-0I	3.3475E-01	9.8879E-01	3.4198E-01	9.6867E-01
0.72	3.3526E-01	9.8067E-01	3.2836E-01	9.8933E-01	3.3724E-01	9.6974E-01
0.73	3.2978E-01	9.8145E-01	3.2200E-01	9.8985E-01	3.3250E-01	9.7078E-01
0.74	3.2429E-01	9.8221E-01	3.1568E-01	9.9035E-01	3.2776E-01	9.7179E-01
0.75	3.1882E-01	9.8294E-01	3.0939E-01	9.9083E-01	3.23026-01	9.7277E-01
0.76	3.1336E-01	9.8364E-01	3.0314E-01	9.9128E-01	3.1829L-01	9.7372E-01
0.77	3.0 <b>793E-0</b> 1	9.8432E-01	2.9694E-01	9.9172E-01	3.1357L-01	9.7464E-01
0.78	3.0252E-01	9.8498E-01	2.9077E-01	9.9213E-01	3.0885E-01	9.7554E-01
0.79	2.9713E-01	9.8561L-01	2.8466E-01	9.9253E-01	3.0414E-01	9.7641E-01
0.80	2.9177E <b>-01</b>	9.8622E-01	2.7859E-01	9.9291E-01	2.9945E-01	9.7725E-01
0.81	2.8644E-01	9.8680E-01	2.7258E-01	9.9328E-01	2.9477E-01	9.7807E-01
0.82	2.8114E-01	9.8737E-01	2.6661E-01	9.9362E-01	2.9011E-01	9.7886E-01
0.83	2.7580E-01	9.8791E-01	2.6071E-01	9.9395E-01	2.8546E-01	9.7963E-01
0.84	2.7064E-01	9.8843E-01	2.5486E-01	9.9427E-01	2.8083E-01	9.8037E-01
0.85	2.6545E-01	9.8894E-01	2.4907E-01	9.9457E-01	2.76221-01	9.8110E-01
0.86	2 <b>.60</b> 29E-01	9.8942E-01	2.4334E-01	9.9486E-01	2.7163E-01	9.8180E-01
0.87	2.5517E-01	9.8988E-01	2.3768E-01	9.9513E-01	2.6707E-01	9.8247E-01
0.88	2.5009E-01	9.9033E-01	2.3208E-01	9.9539E-01	2.6253E-01	9.8313E-01
0.89	2 <b>.4506</b> E-01	9.9076E-01	2.2654E-01	9.9564E-01	2.58016-01	9.8376E-01
0.90	2.4007E-01	9.9118 <del>6-</del> 01	2.2108E-01	9.9587E-01	2.5352E-01	9.8437E-01
0.91	2.3512E-01	9.9157E-01	2.1568E-01	9.9610E-01	2.4906E-01	9.8497E-01
0.92	2.3022E-01	9.9195E-01	2.1035E-01	9.9631E-01	2.4463E-01	9.8554E-01
0.93	2.2537E-01	9.9232E-01	2.0510E-01	9.9651E-01	2.4C23E-01	9.861CE-01
0.94	2.2057E-01	9.9267E-01	1.9992E-01	9.9671E-01	2.3586E-01	9.8663L-01
0.95	2.1582E-01	9.9301E-01	1.9481E-01	9.9689E-01	2.3152E-01	9.8715E-01
0.96	2.1112E-01	9.9333E-01	1.8978E-01	9.9706E-01	2.2722E-01	9.8765E-01
0.97	2.0647E-01	9.9364E-01	1.8482E-01	9.9723E-01	2.2295E-01	9.8814E-01
0.98	2.01 <b>88</b> E-01	9.9394L-01	1.7994E-01	9.9738E-01	2.18726-01	9.8861E-C1
0.99	1.9734E-01	9.9422E-01	1.7513E-01	9.9753E-01	2.1452E-01	9.8906E-01

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	SIGMAR 0.59 SI		SIGMA=	= 0.53	SIGMA=	SIGMA= 0.65	
	FRACTION	DE CHAIN	FRACTION	OF CHAIN	FRACTION	OF CHAIN	
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INDEPENOENT	CUMULATIVE	
	·					0.00/05.01	
1.00	1.92 <b>8</b> 6E <b>-01</b>	9.9450E-01	1.7041E-01	9.9767E-01	2.10376-01	9.8949E-01	
1.01	1.8843E-01	9.9476E-01	1.6576E-01	9.9781E-01	2.0625E-01	9.89916-01	
1.02	1.8406E-01	9.9501E-01	1.6119E-01	9.9793E-01	2.02176-01	9.90326-01	
1.03	1.7975E-01	9.9525E-01	1.5670E-01	9.9805E-01	1.98136-01	9.90712-01	
1.04	1.7550E-01	9.9548E-01	1.5230E-01	9.9817E-01	1.94145-01	9.91090-01	
1.05	1.7131E-01	9.9569E-01	1.4797E-01	9.98285-01	1.90182-01	9.91932-01	
1.06	1.6717E-01	9.9590E-01	1.4372E-01	9.9838E-01	1.80270-01	9.91002-01	
1.07	1.6310E-01	9.9610E-01	1.3955E-01	9.984/E-01		9.92140-01	
1.08	1.5908E-01	9.9630E-01	1.3546E-01	9.98561-01	1.76585-01	9.92475-01	
1.09	1.5513E-01	9.9648E-01	1.3146E-UI	9.98656-01		9.92702-01	
1.10	1.5124E-01	9.9665E-01	1.2753E-01	9.98735-01	1.47375-01	9.93082-01	
1.11	1.4741E-01	9.9682E-01	1.23682-01	9.9881E-UI	1.67372-01	0 03655-01	
1.12	1.4364E-01	9.9698E-01	1.19926-01	9.98085-01	1 40145-01	9.93026-01	
1.13	1.39946-01	9.97138-01	1.10235-01	9.90736-01	1 54505-01	0.04185-01	
1.14	1.3629E-01	9.97286-01	1.12028-01	9.99010-01	1 53085-01	9.94436-01	
1.15	1.3271E-01	9.9742E-01	1.09092-01	9.99070-01	1 494 35-01	9.94676-01	
1.16	1.29196-01	9.97556-01	1.0304E-01	9.99130-01	1 44235-01	9.94905-01	
1.17	1.25748-01	9.9768E-01	1.02276-01	9.99192-01	1 42875-01	9.95136-01	
1.18	1.2234E-01	9.97802-01	9.89772-02	9.99290-01	1.39565-01	9.95346-01	
1.19	1.1701E-01	9.97910-01	9.37002-02	9.99292-01	1.36305-01	9.9554E-01	
1.20	1.13/96-01	9.98020-01	9.20192-02	9.99376+01	1.3309E-01	9.9574F-01	
1.21	1.129 36 -01	9.90120-01	C. 7557C-02	9.99416-01	1,2992E-01	9.9593E-01	
1.22	1.09398-01	9.90220-01	8 34405-02	9.9945E-01	1,2681E-01	9.96115-01	
1.23	1.000000000	9.90320-01	9 09075-02	9.9949E-01	1,2375E-01	9.9629F-01	
1.29	1.03286-01	9.90410-01	7 00385-02	9.9952F-01	1,2073E-01	9.9645E-01	
1.25	1.00325-01	9.90990-01	7 53405-02	9.99556-01	1.1776E-01	9,9661+-01	
1.27	9.19206-02	9.98656-01	7.2714E-02	9,9958E-01	I.1485E-01	9.9677E-01	
1 20	0 17996-02	9.98725-01	7-0157E-02	9,9961E-01	1.1198E-01	9.9691E-01	
1 20	8.9078E=02	9.9879E+01	6-7669E-02	9.9963E-01	1.0916E-01	9.9706E-01	
1.30	8.64175-02	9.98865-01	6-5250E-02	9.9966E-01	1.0639E-01	9.9719E-01	
1.31	8.38145-02	9.9892F-01	6-2898E-02	9.9968E-01	1.0367E-01	9.9732E-01	
1.32	8.1269E-02	9.9898E-01	6.0612E-02	9.9970E-01	1.0100E-01	9.9744E-01	
1.33	7.8782F-02	9,9904E-01	5.8390E-02	9.9972E-01	9.8376E-02	9.9756E-01	
1.34	7.6352E-02	9,9909E-01	5.6233E-02	9.9974E-01	9.5801E-02	9.9768E-01	
1.35	7.397AF-02	9,9914E-01	5.4139E-02	9.9976E-01	9.3274E-02	9.9779E-01	
1.36	7.1660E-02	9.9919±-01	5.2107E-02	9.9978E-01	9.0795E-02	9.9789E-01	
1.37	6.9398E-02	9.9924E-01	5.0135E-02	9.9979E-01	8.8363E-02	9.9799E-01	
1.38	6.7190E-02	9.9928E-01	4.8223E-02	9.9981E-01	8.5978E-02	9.9809E-01	
1.39	6.5035E-02	9.9932E-01	4.6369E-02	9.9982E-01	8.3641E-02	9.9818E-01	
1.40	6.2935E-02	9.9936E-01	4.4573E-02	9.9983E-01	8.1350E-G2	9.9827E-01	
1.41	6.0886E-02	9.9940E-01	4.2833E-02	9.9984E-01	7.9105E-02	9.9835E-01	
1.42	5.8890E-02	9.9943E-01	4.1148E-02	9.9985E-01	7.6907E-02	9.9843E-01	
1.43	5.6944E-02	9.9946E-01	3.9517E-02	9.9986E-01	7.4753E-02	9.9851E-01	
1.44	5.5049E-02	9.9950E-01	3.7938E-02	9.9987E-01	7.2645E-02	9.9858E-01	
1.45	5.3204E-02	9.9953E-01	3.6412E-02	9.9988E-01	7.0582E-02	9.9865E-01	
1.46	5.1407E-02	9.9955E-01	3.4936E-02	9.9989E-01	6.9563E-02	9.9872E-01	
1.47	4.9659E-02	9.9958E-01	3.35C9E-02	9.9990E-01	6.6588E-02	9.9878E-01	
1.48	4.7958E-02	9.99602-01	3.2130E-02	9.9991E-01	6.4656E-02	9.9884E-01	
1.49	4.6303E-02	9.9963E-01	3.0798E-02	9.9991E-01	6.2767E-02	9.9890E-01	

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	SIGMA= 0.59 Fraction of chain		SIGMA	SIGMA= 0.53		SIGMA= 0.65	
			FRACTION	FRACTION OF CHAIN		FRACTION OF CHAIN	
Z-ZIP)	I NOE PE ND EN T	CUMULATIVE	INCEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	
1.50	4.4695E-02	9.9965E-01	2.9512E-02	9.9992E-01	6.0920E-02	9.9895E-01	
1.51	4.3131E-02	9.9967E-01	2.8271E-02	9.9993E-01	5.9116E-02	9.9901E-01	
1.52	4.1611E-02	9.9969L-01	2.7074E-02	9.9993E-01	5.73536-02	9.9906E-01	
1.53	4.0135E-02	9.9971E-01	2.5919E-02	9.9994E-01	5.5630E-02	9.9911E-01	
1.54	3.8701E-02	9.9973E-01	2.4805E-02	9.9994E-01	5.39496-02	9.9915E-01	
1.55	3.7309E-02	9.9974E-01	2.3732E-02	9.9995E-01	5.2306E-02	9.9919E-01	
1.56	3.5957E-02	9.9976E-01	2.2698E-02	9.9995E-01	5.0704E-02	9.9924E-01	
1.57	3.4646E-02	9.9977E-01	2.1703E-02	9.9995E-01	4.9140L-02	9.9928E-01	
1.58	3.3374E-02	9.9979E-01	2.0744E-02	9.9996E-01	4.7614E-02	9.9931E-01	
1.59	3.2141E-02	9.9980E-01	1.9821E-02	9.9996E-01	4.6126E-02	9.9935E-01	
1.60	3.0945E-02	9.99816-01	1.8933E-02	9.9996E-01	4.4675E-02	9.9938E-01	
1.61	2.9786E-02	9.9983E-01	1.808CE-02	9.9997E-01	4.32601-02	9.9942E-01	
1.62	2.8664E-02	9.9984E-01	1.7259E-02	9.9997E-01	4.18826-02	9.9945E-01	
1.63	2.7576E-02	9.9985E-01	1.6470E-02	9.9997E-01	4.0539E-02	9.9948E-01	
1.64	2.6523E-02	9.9986E-01	1.5713E-02	9.9997E-01	3.9230E-02	9.9950E-01	
1.65	2.5503E-02	9.9987E-01	1.4985E-02	9.9998E-01	3.7956E-02	9.9953E-01	
1.66	2.4517E-02	9.9987E-01	1.4286E-02	9.9998E-01	3.6715E-02	9.9955E-01	
1.67	2.3562E-02	9.9988E-01	1.3616E-02	9.9998E-01	3.5508E-02	9.9958E-01	
1.68	2.2639E-02	9.9989E-01	1.2973E-02	9.9998E-01	3.4333E-02	9.9960E-01	
1.69	2.1747E-02	9.9990E-01	1.2356E-02	9.9998E-01	3.3189E-02	9.9962E-01	
1.70	2.0 <b>884</b> E-02	9.9990E-01	1.1765E-02	9.9998E-01	3.2077E-02	9.9964E-01	
1.71	2.0050E-02	9.9 <b>99</b> 16-01	1.1199E-02	9.9998E-01	3.0996E-02	9.9966E-01	
1.72	1.92 <b>45E-0</b> 2	9.9992E-01	1.0656E-02	9.9999E-01	2.9945E-02	9.9968E-01	
1.73	1.8467E-02	9.9992E-C1	1.0137E-02	9.9999E-01	2.8923E-02	9.9970E-01	
1.74	1.7716E-02	9.9993E-01	5.6393E-03	9.9999E-01	2.7930E-02	9.9972E-01	
1.75	1.6991E-02	9.9993E-01	9.1634E-03	9.9999E-01	2.6966E-02	9.99736-01	
1.76	1.6292E-02	9.9994E-01	8.7081E-03	9.9999E-01	2.6029E-02	9.9975E-01	
1.77	1.5617E-02	9.9994E-01	8.2728E-03	9.9999E-01	2.51195-02	9.99700-01	
1.78	1.49665-02	9.9994E-01	7.8567E-U3	9.99992-01	2.42305-02	9.99776-01	
1.79	1.43396-02	9.99955-01	7.45916-03	9.99996-01	2.33195-02	9.99776-01	
1.80	1.3/32-02	9.99955-01	7.07942-03	9.99996-01	2.17425-02	9.99000000	
1.01	1.31320-02	9.999950-01		9.999992-01	2.11420-02	0 00825-01	
1.82	1.20516-02	9.99900-01	6.04055-03	1 00005 00	2.07016-02	0 00835-01	
1.03	1 16316-02	9.999902-01	5 72555-03	1 00005 00	1.94666-02	9.9984F-01	
1.67	1 10305-02	9.99900-01	5.42526-03	1.0000E 00	1.8754E-02	9.9985F-01	
1.04	1.05406-02	0 0007L-01	5.1389E-03	1.0000E 00	1.80645-02	9,9986E-01	
1 87	1.00865-02	9.99976-01	4.8662E-03	1.0000E 00	1.73956-02	9,99876-01	
1	9.64036-02	9.99976-01	4.6064E-03	1.COODE 00	1.6748F-02	9.9987F-01	
1.89	9.21225-03	9.9997E-01	4.35916-03	1.0000F 00	1.6121+-02	9,9988E-01	
1.90	8.8009E-03	9.99986-01	4.1237E-03	1.0000F 00	1.5514E-02	9,9989E-01	
1.01	8.60565-03	9.9998E-01	3.8998E-03	1.0000E 00	1-49275-02	9,9990F-01	
1.92	8.0261E-03	9,99986-01	3.6868E-03	1.COODE 00	1.4360E-02	9.999CE-01	
1.93	7.6617E-03	9.9998E-01	3.4843E-03	1.0000E 00	1.3810L-02	9.9991E-01	
1.94	7.3118E-03	9.9998E-01	3.2918E-03	1.00COE 00	1.3279E-02	9.9991E-01	
1.95	6.9762E-03	9.9998E-01	3.1090E-03	1.0000E 00	1.2766E-02	9.9992E-01	
1.96	6.6542E-03	9.9998E-01	2.9353E-03	1.0CODE 00	1.2270E-02	9.9992E-01	
1.97	6.3454E-03	9.9999E-01	2.7705E-03	1.CC00E 00	1.17906-02	9.9993E-01	
1.98	6.0493E-03	9.9999E-01	2.6140E-03	1.0000E 00	1.1327E-02	9.9993E-01	
1.99	5.7655E-03	9.9999E-01	2.4655E-03	1.0000E 00	1.0880E-02	9.9994E-01	

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FRACTION OF CHAIN         FRACTION OF CHAIN         SIGMA 0.353         SIGMA = 0.65           Z-Z(P)         INDEPENDENT         CUMULATIVE         INDEPENDENT <t< th=""><th colspan="2"></th></t<>		
Z-Z(P)       INDEPENDENT       CUMULATIVE       INDEPENDENT       CUMUL	SIGMA= 0.65	
2.00       5.4936E-03       9.9999E-01       2.3248E-03       1.0000E 00       1.0448E-02       9.999         2.01       5.2331E-03       9.9999E-01       2.1913E-03       1.0000E 00       1.0031E-02       9.999         2.02       4.9837E-03       9.9999E-01       2.0648E-03       1.0000E 00       9.6284E-03       9.999         2.03       4.7449E-03       9.9999E-01       1.9450E-03       1.0000E 00       9.6284E-03       9.999         2.04       4.5164E-03       9.9999E-01       1.9450E-03       1.0000E 00       9.6284E-03       9.999         2.05       4.2977E-03       9.9999E-01       1.7241E-03       1.0000E 00       8.8656E-03       9.999         2.06       4.0885E-03       9.9999E-01       1.6225E-03       1.0000E 00       8.5044E-03       9.999         2.07       3.8865E-03       9.9999E-01       1.5263E-03       1.0000E 00       7.8205E-03       9.999         2.08       3.6973E-03       9.9999E-01       1.5263E-03       1.0000E 00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E 00       1.3494E-03       1.0000E 00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E 00       1.2681E-03       1.0000E 00		
2.01       5.2331E-03       9.9999E-01       2.1913E-03       1.0000E       00       1.0448E-02       9.999         2.02       4.9837E-03       9.99999E-01       2.0648E-03       1.0000E       00       1.0031E-02       9.999         2.03       4.749E-03       9.9999E-01       2.0648E-03       1.0000E       00       9.6284E-03       9.999         2.04       4.5164E-03       9.9999E-01       1.9450E-03       1.0000E       00       9.2401E-03       9.999         2.05       4.2977E-03       9.9999E-01       1.8315E-03       1.0000E       00       8.8656E-03       9.999         2.06       4.0885E-03       9.9999E-01       1.6225E-03       1.0000E       00       8.1562E-03       9.999         2.07       3.8885E-03       9.9999E-01       1.5263E-03       1.0000E       00       7.8205E-03       9.999         2.08       3.6973E-03       1.0000E       00       1.4354E-03       1.0000E       00       7.4971E-03       9.999         2.09       3.5145E-03       1.0000E       00       1.2681E-03       1.0000E       00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E       00       1.2681E-03       1.0000E       00 </td <td></td>		
2.02       4.9837E-03       9.9999E-01       2.0648E-03       1.0000E       00       1.0031E-02       9.999         2.03       4.7449E-03       9.9999E-01       1.9450E-03       1.0000E       00       9.6284E-03       9.999         2.04       4.5164E-03       9.9999E-01       1.9450E-03       1.0000E       00       9.6284E-03       9.999         2.04       4.5164E-03       9.9999E-01       1.8315E-03       1.0000E       00       8.8656E-03       9.999         2.05       4.2977E-03       9.9999E-01       1.7241E-03       1.0000E       00       8.5044E-03       9.999         2.06       4.0885E-03       9.9999E-01       1.5263E-03       1.0000E       00       8.5044E-03       9.999         2.07       3.8865E-03       9.9999E-01       1.5263E-03       1.0000E       00       8.1562E-03       9.999         2.08       3.6973E-03       9.9999E-01       1.5263E-03       1.0000E       00       7.4871E-03       9.999         2.09       3.5145E-03       1.0000E       00       1.3494E-03       1.0000E       00       7.4871E-03       9.999         2.10       3.3400E-03       1.0000E       00       1.2681E-03       1.0000E       00       6	4E-01	
2.03       4.7449E-03       9.9999E-01       1.9450E-03       1.0000E       00       9.6284E-03       9.999         2.04       4.5164E-03       9.9999E-01       1.9450E-03       1.0000E       00       9.2401E-03       9.999         2.05       4.2977E-03       9.9999E-01       1.6315E-03       1.0000E       00       8.8656E-03       9.999         2.06       4.0885E-03       9.9999E-01       1.6225E-03       1.0000E       00       8.1562E-03       9.999         2.07       3.8865E-03       9.9999E-01       1.5263E-03       1.0000E       00       8.1562E-03       9.999         2.08       3.6973E-03       9.9999E-01       1.5263E-03       1.0000E       00       7.48205E-03       9.999         2.09       3.5145E-03       1.0000E       00       1.3494E-03       1.0000E       00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E       00       1.3494E-03       1.0000E       00       7.4971E-03       9.999         2.11       3.1732E-03       1.0000E       00       1.1914E-03       1.0000E       00       6.8852E-03       9.999         2.12       3.0140E-03       1.0000E       1.1189E-03       1.00000E       00 <td>4E-01</td>	4E-01	
2.04       4.5164E-03       9.9999E-01       1.8315E-03       1.0000E       00       9.2401E-03       9.999         2.05       4.2977E-03       9.9999E-01       1.7241E-03       1.0000E       00       8.8656E-03       9.999         2.06       4.0865E-03       9.9999E-01       1.7241E-03       1.0000E       00       8.5044E-03       9.999         2.07       3.8865E-03       9.9999E-01       1.6225E-03       1.0000E       00       8.1562E-03       9.999         2.08       3.6973E-03       9.9999E-01       1.5263E-03       1.0000E       00       7.8205E-03       9.999         2.09       3.5145E-03       1.0000E       00       1.3494E-03       1.0000E       00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E       00       1.2681E-03       1.0000E       00       7.4971E-03       9.999         2.11       3.1732E-03       1.0000E       00       1.2681E-03       1.0000E       00       6.8852E-03       9.999         2.12       3.0140E-03       1.0000E       00       1.1189E-03       1.0000E       00       6.3178E-03       9.999         2.13       2.8619E-03       1.0000E       00       1.0505E-03       <	5E-01	
2.05       4.2977E-03       9.9999E-01       1.7241E-03       1.0000E 00       8.8656E-03       9.999         2.06       4.0865E-03       9.9999E-01       1.6225E-03       1.0000E 00       8.5044E-03       9.999         2.07       3.8865E-03       9.9999E-01       1.6225E-03       1.0000E 00       8.1562E-03       9.999         2.08       3.6973E-03       9.9999E-01       1.5263E-03       1.0000E 00       7.8205E-03       9.999         2.09       3.5145E-03       1.0000E 00       1.4354E-03       1.0000E 00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E 00       1.2681E-03       1.0000E 00       7.1854E-63       9.999         2.11       3.1732E-03       1.0000E 00       1.1914E-03       1.0000E 00       6.5961E-03       9.999         2.12       3.0140E-03       1.0000E 00       1.1189E-03       1.0000E 00       6.3178E-03       9.999         2.13       2.8619E-03       1.0000E 00       1.0505E-03       1.0000E 00       6.3178E-03       9.9999         2.14       2.7169E-03       1.0000E 00       9.8596E-04       1.0000E 00       5.7921E-03       9.999         2.15       2.5785E-03       1.0000E 00       9.8596E-04       1.0000E 00	5E-01	
2.06       4.0865E-03       9.9999E-01       1.6225E-03       1.0000E       00       8.5044E-03       9.999         2.07       3.8665E-03       9.9999E-01       1.6225E-03       1.0000E       00       8.1562E-03       9.999         2.08       3.6973E-03       9.9999E-01       1.5263E-03       1.0000E       00       7.8205E-03       9.999         2.09       3.5145E-03       1.0000E       00       7.4971E-03       9.999         2.09       3.5145E-03       1.0000E       00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E       00       1.2681E-03       1.0000E       00       7.1854E-03       9.999         2.11       3.1732E-03       1.0000E       00       1.1914E-03       1.0000E       00       6.5961E-03       9.999         2.12       3.0140E-03       1.0000E       00       1.1189E-03       1.0000E       00       6.3178E-03       9.999         2.13       2.8619E-03       1.0000E       00       1.0505E-03       1.0000E       00       6.3078E-03       9.999         2.14       2.7169E+03       1.0000E       00       9.8595E-04       1.0000E       00       5.7921E-03       9.999	5E-01	
2.07       3.8865E-03       9.9999E-01       1.5263E-03       1.0000E       00       8.1562E-03       9.999         2.08       3.6973E-03       9.9999E-01       1.5263E-03       1.0000E       00       7.8205E-03       9.999         2.09       3.5145E-03       1.0000E       00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E       00       7.4971E-03       9.999         2.11       3.1732E-03       1.0000E       00       1.2681E-03       1.0000E       00       6.8852E-03       9.999         2.12       3.0140E-03       1.0000E       00       1.1189E-03       1.0000E       00       6.5961E-03       9.999         2.13       2.8619E-03       1.0000E       00       1.1189E-03       1.0000E       00       6.3178E-03       9.999         2.14       2.7169E+03       1.0000E       00       9.8596E-04       1.0000E       00       5.7921E-03       9.999	6E-01	
2.08       3.6973E-03       9.9999E-01       1.4354E-03       1.0000E       00       7.8205E-03       9.999         2.09       3.5145E-03       1.0000E       00       1.3494E-03       1.0000E       00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E       00       1.3494E-03       1.0000E       00       7.1854E-03       9.999         2.11       3.1732E-03       1.0000E       00       1.2681E-03       1.0000E       00       6.8852E-03       9.999         2.12       3.0140E-03       1.0000E       00       1.1189E-03       1.0000E       00       6.3178E-03       9.999         2.13       2.8619E-03       1.0000E       00       1.0505E-03       1.0000E       00       6.0699E-03       9.999         2.14       2.7169E-03       1.0000E       00       9.8596E-04       1.0000E       00       5.7921E-03       9.999	6E-01	
2.09       3.5145E-03       1.0000E       00       1.3494E-03       1.0000E       00       7.4971E-03       9.999         2.10       3.3400E-03       1.0000E       00       1.264E-03       1.0000E       00       7.1854E-03       9.999         2.11       3.1732E-03       1.0000E       00       1.264E-03       1.0000E       00       6.8852E-03       9.999         2.12       3.0140E-03       1.0000E       00       1.1189E-03       1.0000E       00       6.5961E-03       9.999         2.13       2.8619E-03       1.0000E       00       1.0505E-03       1.0000E       00       6.0699E-03       9.999         2.14       2.7169E-03       1.0000E       00       9.8596E-04       1.0000E       00       5.7921E-03       9.999         2.15       2.5785E-03       1.0000E       00       5.7921E-03       9.999	6E-01	
2.10       3.3400E-03       1.0000E 00       1.2681E-03       1.0000E 00       7.1854E-03       9.999         2.11       3.1732E-03       1.0000E 00       1.1914E-03       1.0000E 00       6.8852E-03       9.999         2.12       3.0140E-03       1.0000E 00       1.1189E-03       1.0000E 00       6.5961E-03       9.999         2.13       2.8619E-03       1.0000E 00       1.1189E-03       1.0000E 00       6.1178E-03       9.999         2.14       2.7169E-03       1.0000E 00       9.8596E-04       1.0000E 00       5.7921E-03       9.999         2.15       2.5785E-03       1.0000E 00       9.8596E-04       1.0000E 00       5.7921E-03       9.999	6E-01	
2.11       3.1732E-03       1.0000E 00       1.1914E-03       1.0000E 00       6.5852E-03       9.999         2.12       3.0140E-03       1.0000E 00       1.1189E-03       1.0000E 00       6.5961E-03       9.999         2.13       2.8619E-03       1.0000E 00       1.1189E-03       1.0000E 00       6.3178E-03       9.999         2.14       2.7169E-03       1.0000E 00       9.8596E-04       1.0000E 00       5.7921E-03       9.999         2.15       2.5785E-03       1.0000E 00       9.2999       9.999       9.999       9.999	7E-01	
2.12       3.0140E-03       1.0000E 00       1.1189E-03       1.0000E 00       6.378E-03       9.999         2.13       2.8619E-03       1.0000E 00       1.0505E-03       1.0000E 00       6.3178E-03       9.999         2.14       2.7169E+03       1.0000E 00       9.8596E-04       1.0000E 00       6.0499E-03       9.999         2.15       2.5785E-03       1.0000E 00       9.8596E-04       1.0000E 00       5.7921E-03       9.999	7E-01	
2.13         2.8619E-03         1.0000E         00         1.0505E-03         1.0000E         00         6.0699E-03         9.999           2.14         2.7169E-03         1.0000E         00         9.8596E-04         1.0000E         00         5.77921E-03         9.999           2.15         2.5785E-03         1.0000E         00         5.7921E-03         9.999	7E-01	
2.14 2.7169E+03 1.0000E 00 9.8596E-04 1.0000E 00 5.7921E-03 9.999 2.15 2.5785E-03 1.0000E 00 5.2506E-04 1.0000E 00 5.7921E-03 9.999	7E-01	
2.15 2.5785E-03 1.0000F 00 C 25045-04 1.0000C 00 5.1921E-03 9.999	7E-01	
	3E-01	
2.18 2.4465E-03 1.0000E 00 8.6763E-04 1.0000E 00 5.3055E-03 9.999	3E-01	
2.17 2.3206E-03 1.0000E 00 8.1351E-04 1.0000E 00 5.0761E-03 9.999	3E-01	
2.18 2.2007E-03 1.0000E 00 7.6250E-04 1.0000E 00 4.8555E-03 9.999	3E-01	
2.17 2.0304E-03 1.0000E 00 7.1445E-04 1.0000E 00 4.6436E-03 9.979	201	
2.20 1.9774E-03 1.0000E 00 6.6921E-04 1.0000E 00 4.6399E-03 0.979	10-01	
2 22 1.8/3/E-03 1.0000E 00 6.2663E-04 1.0000E 00 4.2442E-03 9.999	15-01	
2.23 1.0000E 00 5.8655E-04 1.0000E 00 4.0562E-03 9.999	16-01	
2.24 1.5016 03 1.0000E 00 5.4886E=04 1.0000E 00 3.8758E=03 9.999	E-01	
2.25 1.5045 03 1.0000E 00 5.1342E-04 1.0000E 00 3.7025E-03 9.9990	E-01	
2.26 1.425 E-03 1.0000E 00 4.8011E-04 1.0000E 00 3.5362E-03 9.9990	E-01	
2.27 1.346E-03 1.0000E 00 4.4881E-04 1.0000E 00 3.3767E-03 9.9999	F-01	
2.28 1.2754E-03 1.0000E 00 4.1941E-04 1.0000E 00 3.2236E-03 9.9999	E-01	
2.29 1.2040E-03 1.0000E 00 3.9180E-04 1.0000E 00 3.0768E-03 9.9999	E-01	
2.30 1.1400E-03 1.0000E 00 3.6589E-04 1.0000E 00 2.9361E-03 9.9999	E-01	
2.31 1.0773 -03 1.0000 00 3.158-04 1.0000 00 2.8011E-03 9.9999	E-01	
2.32 1.0178E-03 1.0000E 00 3.1877E-04 1.0000E 00 2.6718E-03 9.9999	E-01	
2.33 9.6129E-04 1.0000E 00 2.5739E-04 1.0000E 00 2.5479E-03 9.9999	E-01	
2.34 9.0771E-04 1.0000F 00 2.5755E-04 1.0000E 00 2.4292E-03 9.9999	E-01	
2.35 8.5688E-04 1.0000E 00 2.609E-04 1.0000E 00 2.3155E-03 9.9999	E-01	
2.36 8.0868E-04 1.0000E 00 2.2653E-04 1.0000E 00 2.2067E-03 1.0000	E O O	
2.37 7.6298E-04 1.0000E 00 2.0912E-04 1.0000E 00 2.1025E-03 1.0000	Ε <b>Ο</b> Ο	
2-38 7-1968E-04 1-0000E 00 1-9470E-04 1-0000E 00 2-0028E-03 1-0000	E 00	
2.39 6.7865E-04 1.0000E 00 1.8121E-04 1.0000E 00 1.9074E-03 1.0000	E 00	
2.40 6.3978E-04 1.0000E 00 1.6861E-04 1.0000E 00 1.8181E-03 1.0000	2 00	
2.41 6.0298E-04 1.0000E 00 1.5682E-04 1.0000E 00 1.6289E-03 1.0000	- 00	
2.42 5.6815E-04 1.0000E 00 1.4581E-04 1.0000E 00 1.5457E-03 1.0000	: 00	
2.43 5.3518E-04 1.0000E 00 1.3553E-04 1.0000E 00 1.4855E-03 1.0000	: 00	
2.47 5.0399E-04 1.0000E 00 1.2593E-04 1.0000E 00 1.4145-03 1.0000	: 00	
2.43 4.1449E-04 1.0000E 00 1.1697E-04 1.0000E 00 1.3471E-03 1.0000	: 00	
2.47 7.4039E-04 1.0000E 00 1.0862E-04 1.0000E 00 1.2806E-03 1.0000	: 00	
1.0000 1.0000E 00 1.0000E 00 1.2172E-03 1.0000E	: 00	
2.49 3.7174E-04 1.0000E 00 9.3554E-05 1.0000E 00 1.1567E-03 1.0000	00	
E.6782E-05 1.CCOOE 00 E.6782E-05 1.CCOOE 00 1.0989E-C3 1.0000	. 00	

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	SIGMA= 0.59		SIGMA	SIGMA= 0.53		= 0.65
	FRACTION	DF CHAIN	FRACTION	UF CHAIN	FRACTION	OF CHAIN
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENOENT	CUMULATIVE	INDEPENDENT	CUMULATIVE
2.50	3.4953E-04	1.0000E 00	8.0472E-05	1.0COOE 00	1.0438E-03	1.0000E 90
2.51	3.2854E-04	1.0000E 00	7.4597E-05	1.0000E 00	9.9124E-04	1.0000E 00
2.52	3.0872E-04	1.0000E 00	6.9126E-05	1.0009E 00	9.4111E-04	1.0000E 00
2.53	2.9002E-04	1.0000E 00	6.4036E-05	1.0000E 00	8.9331E-04	1.0000E 00 .
2.54	2.7238E-04	1.0000E 00	5.93CCE-05	1.0000E 00	8.4776E-04	1.0000E 00
2.55	2.5575E-04	1.0000E 00	5.4896E-05	1.COCOE 00	8.0435E-04	1.0000E 00
2.56	2.4006E-04	1.0000E 00	5.0801E-05	1.0000E 00	7.6299E-04	1.0000E 00
2.57	2.2528E-04	1.0000E 00	4.6997E-05	1.0000E 00	7.2360E-04	1.0000E 00
2.58	2.1134E-04	1.0000E 00	4.3462E-05	1.0000E 00	6.8609E-04	1.0000E 00
2.59	1.9822E-04	1.0000E 00	4.0180E-05	1.0000E 00	6.5038E-04	1.0000E 03
2.60	1.8586E-04	1.0000E 00	3.7133E-05	1.0000E 00	6.1640E-04	1.0000E 03
2.61	1.74236-04	1.0000E 00	3.4305E-05	1.0000E 00	5.8406E-04	1.00COE 00
2.62	1.63286-04	1.0000E 00	3.16826-05	1.0000E 00	5.5329E-04	1.CODDE 00
2.63	1.52976-04	1.0000E 00	2.9250E-05	1.0000E 00	5.2403E-04	1.0000E 00
2.64	1.4328E-04	1.0000E 00	2.6995E-05	1.0000E 00	4.9620E-04	1.00COE 00
2.65	1.3416E-04	1.0000E 00	2.4905E-05	1.0000E 00	4.6975E-04	1.0000E 00
2.60	1.25596-04	1.0000E 00	2.2970E-05	1.0000E 00	4.4461E-04	1.0000E 00
2.67	1.1754E-04	1.0000E 00	2.1178E-05	1.0000E 00	4.2072E-04	1.0000E 00
2.68	1.0997E-04	1.0000E 00	1.9518E-05	1.0000E 00	3.9802E-04	1.0000E 00
2.69	1.0286E-04	1.0000E 00	1.7983E+05	1.0000E 00	3.76476-04	1.00COE 00
2.70	9.6186E-05	1.0000E 00	1.6563E-05	1.0000E 00	3.5600E-04	1.0000E 00
2.71	8.9919E-05	1.0000E 00	1.5250E-05	1.0000E 00	3.3657E-04	1.0000E 00
2.72	8.4038E-05	1.0000E 00	1.4036E+05	1.0000E 00	3.1813E-04	1.0000E 00
2.73	7.8520E-05	1.0000E 00	1.2915E-05	1.0000E 00	3.0C64E-04	1.0000E 00
2.74	7.3345E-05	1.0000E 00	1.1879E-05	1.0000E 00	2.8404E-04	1.0000E 00
2.75	6.8492E-05	1.0000E 00	1.0922E-05	1.CONOE 00	2.6830E-04	1.0000E 00
2.76	6.3942E-05	1.0000E 00	1.0039E-05	1.0000E 00	2.5337E-04	1.00COE 00
2.11	5.9678E-05	1.0000E 00	9.2242E-08	1.0000E 00	2.39226-04	1.00000 00
2.78	5.56846-05	1.0000E 00	8.4/2/E-06	1.0000E 00	2.25816-04	1.00000 00
2.79	5.19436-05	1.0000E 00	7.7797E-06	1.0000E 00	2.13116-04	1.00000 00
2.80	4.844UE-05	1.0000E 00	7.1410E-06	1.0000E 00	2.01076-04	1.00000 00
2.81	4.5100E-05	1.000000 00	0.35252-00	1.0000E 00	1.89675-04	1.00000 00
2.82	4.2092E-05	1.0000E 00	6.0105E-06	1.0000E 00	1.78885-04	
2.83	3.92215-03	1.000000 00	5.51145-00		1.60070-04	
2.07	3.63330 -03	1.00000 00	5.0320E-08	1.000000 00	1.59002-04	
2.07	3.40236-05	1.0000000000	4.0293E-U0	1.00000 00	1.49855-04	
2.00	3.10/0E-03		4.24000-06	1.000000 00	1.41206-04	
2.01	2.94826-02	1.0000000000	3.88315-06	1.000000 00	1.35020-04	
2.00	2.74306-05		3.353405-04	1.00000 00	1.17076-04	
2.09	2.33236-03	1.000000 00	3.07665-06	1.000000 00	1 11045-04	
2.90	2.3/3/2-03	1.000000 00	2.97555-00	1.00000 00	1.11000-04	1.00000 00
2.91	2+20090-03	1.000000 00	2.48745-04	1.00000 00	0 83675-04	
2.072	2.0313C-03	1 0000E 00	20731C_04	1.00005.00	7.0JJ/C=UJ 0.26336_AF	1.0000 E 0.3
2.73	1.77046-05	1.0000E 00	2.07465-04	1 00005 00	9.2333C-03 8 70336-05	
2.79	1 6 6 6 6 E -05	1.00006.00	2.0/030-00	1 00005 00	0 + 7 U J J C - U J 8 184 2 C - 0 S	
2.77	1.62745-46	1.00006.00	1 73115-04	1 00005 00	0.10475_02 2 70775_02	1 00005 00
2.70	1 41745 -05	1 00005 00	1 67085-04	1 00005 00	7 223325-05	
2.71	1 21625-05	1 00000 00	1 44196-04	1 00000 00	1+23225-03 6.7043L-05	
2.70	1.32336 -05	1.0000E 00	1 21425-04	1 000000 00	6 39625-03	
2.77	1.22028-05	1.000CE 00	1.31436-00	I.COUDE 00	0.30721-05	T*COCOF OO

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	SIGMA= 0.59		SIGMA= 0.53		STOMA	SIGNA= 0.65	
	FRACTION	OF CHAIN	FRACTION	OF CHAIN	FRACTION	DE CHAIN	
Ζ-Ζ(Ρ)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	
3.00	1.1317E-05	1.0000E 00	1.1982E-06	1.0CODE 00	5,99765-05	1.00005.00	
3.01	1.0493E-05	1.0000E 00	1.0919E-06	1.0000F 00	5.63236-05	1.0000000000000000000000000000000000000	
3.02	9.7267E-06	1.0000E 00	9.9476E-07	1.0000F 00	5.28806-05	1.00005.00	
3.03	9.0137E-06	1.0000E 00	9.0593E-07	1.0000F 00	4-9637E-05	1.00000 00	
3.04	8.3506E-06	1.0000E 00	8.2476E-07	1.0000E 00	4-65826-05	1.000000 00	
3.05	7.7342E-06	1.0000E 00	7.5059E-07	1.0000E 00	4-3705E-05	1.0000E 00	
3.06	7.1613E-06	1.0000E 00	6.8287E-07	1.0000E 00	4-0997E-05	1.0000F 00	
3.07	6.6291E-06	1.0000E 00	6.2104E-07	1.0000E 00	3.84475-05	1.0000F 00	
3.08	6 <b>.1347E-0</b> 6	1.0000E 00	5.6461E-07	1.0000E 00	3.6049E-05	1.0000E 00	
3.09	5.6756E-06	1.0 <b>00</b> 0E 00	5.1314E-07	1.0000E 00	3.3792E-05	1.0000E 00	
3.10	5.2494E-06	1.0000E 00	4.6620E-07	1.000CE 00	3.1669E-05	1.0000E 00	
3.11	4.8539E-06	1.0000E 00	4.2340E-07	1.COOOE 00	2.9673E-05	1.0000E 00	
3.12	4.4869E-06	1.0000E 00	3.8441E-07	1.COOOE 00	2.7797E-05	1.0000E 00	
3.13	4.1466E-06	1.0000E 00	3.4888E-07	1.0000E 00	2.6033E-05	1.0000E 00	
3.14	3.8310E-06	1.0000E 00	3.1653E-07	1.0C00E 00	2.4376E-05	1.0000E 00	
3.15	3.5384E-06	1.0000E 00	2.87C8E-07	1.CO00E 00	2.2819E-05	1.0000E 00	
3.10	3.20/3E-06	1.0000E 00	2.6028E-07	1.0000E 00	2.1356E-05	1.0000E 00	
3.17	3.0102E-06	1.0000E 00	2.3590E-07	1.0000E 00	1.9983E-05	1.0000E 00	
3.10	2.78332-00	1.0000E 00	2.1373E-07	1.0000E 00	1.8694E-05	1.0000E 00	
3.20	2.34875.04	1.0000E 00	1.9358E-07	1.CO00E 00	1.7484E-05	1.0000E 00	
3.20	2.300/2-04	1.0000E 00	1.7527E-07	1.0000E 00	1.6349E-05	1.0000E 00	
3, 22	2.01355-04	1.00000 00	1.58635-07	1.0000E 00	1.5284E-05	1.0000E 00	
3, 23	1.85575-04	1.000000 00	1.43536-07	1.0000E 00	1.4285E-05	1.0000E 00	
3,24	1.7097E-06	1.00000 00	1.17375-07	1.0000E 00	1.3349E-05	1.0000E 00	
3.25	1.574 # -06	1.00000 00	1.1/3/2-07		1.2471E-05	1.0000E 00	
3.26	1.4501E-06	1.0000E 00	C 58525-08	1.00000 00	1.16485-05	1.0000E 00	
3.27	1.3350E-06	1.0000E 00	8.65765-08	1.00000 00	1.08//E-05	1.0000E 00	
3.28	1.2286E-06	1.0000F 00	7.81705-08	1.0000000000000000000000000000000000000	1.01345-05	1.00COE 00	
3.29	1.1304E-06	1.0000F 00	7.05565+08	1 00005 00	9.47785-06	1.0000E 00	
3.30	1.0398E-06	1.0000E 00	6.3661E-08	1.00000 00	8 25125-04	1.0000E 00	
3.31	9.5611E-07	1.0000E 00	5.74216-08	1.0000E 00	7 40445-04		
3.32	8.7896E-07	1.0000E 00	5-1774E-08	1.0000E 00	7.17716-06	1.00000000000	
3.33	8.0781E-07	1.0000E 00	4.6667E-08	1.0000F 00	6.69145-06	1.00000 00	
3.34	7.4221E-07	1.0000E 00	4.2049E-08	1.0000F 00	6.2371 E-06	1.00005.00	
3.35	6.817 <b>5E-0</b> 7	1.0000E 00	3.7874E-08	1.0C00E 00	5-8123E-06	1.0000E 00	
3.36	6.2 <b>605E-</b> 07	1.0000E 00	3.4103E-08	1.0000E 00	5-4152E-06	1.0000E 00	
3.37	5.7473E-07	1.0000E 00	3.0696E-08	1.0000E 00	5.0441E-06	1.0000F 00	
3.38	5.274 <b>8E -0</b> 7	1.0000E 00	2.7620E-08	1.0000E 00	4.6974E-06	1.0000F 00	
3.39	4.8397E-07	1.0000E 00	2.4844E-08	1.0000E 00	4.3735E-06	1.0000E 00	
3.40	4.4393E-07	1.0000E 00	2.2339E-08	1.0000E 00	4.0710E-06	1.0000E 00	
3.41	4.0709E-07	1.0000E 00	2.0080E-08	1.0000E 00	3.7886L-06	1.0000E 00	
3.42	3.7321E-07	1.0000E 00	1.8043E-08	1.0000E 00	3.5250E-06	1.0000E 00	
3.43	3.4205E-07	1.0000E 00	1.6207E-08	1.0000E 00	3.2790E-06	1.0000E 00	
3.44	3-1340E-07	1.0000E 00	1.4553E-08	1.0000E 00	3.04946-06	1.0000E 00	
3.45	2.8708E-07	1.000CE 00	1.3063E-08	1.0000E 00	2.8353E-06	1.0000E 00	
2.40	2.62896-07	1.0000E 00	1.1721E-08	1.CO00E 00	2.6356E-06	1.00CCE 00	
2+ <b>4</b> 7	2.406/E-07	1.0000E 00	1.0514E-08	1.0000E 00	2.4494E-06	1.0000E 00	
3.40	2.20275-07	1.0000E 00	9.4277E-09	1.0C00E 00	2.2758E-06	1.0000E 00	
. 3.49	2.01546-07	I.0000E 00	8.4508E-09	1.0C00E 00	2.1141E-06	1.00COE CO	

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	SIGMA≖ 0.59 Fr <b>ac</b> ticn of chain		SIGMA	SIGMA= C.53		SIGMA= 0.65	
			FRACTION	FRACTION UF CHAIN		FRACTION OF CHAIN	
Z-Z(P)	INDEPENDENT	CUMULATIVE	INDEPENDENT	CUMULATIVE	INCEPENDENT	CUNULATIVE	
3.50	1.8436E-07	1.0000E 00	7.5725E-09	1.0000E 00	1.9634E-06	1.0000E 00	
3.51	1.6859E-07	1.0000E 00	6.7832E-09	1.0000E 00	1.82316-06	1.00COE 00	
3.52	1.5413E-07	1.0000E 00	£.0740E-09	1.0000E 00	1.6923E-06	1.0000E 0J	
3.53	1.4087E-07	1.0000E 00	5.4370E-09	1.0000E 00	1.5706E-06	1.0000E 00	
3.54	1.2871E-07	1.0000E 00	4.8652E-09	1.COCOE 00	1.4574E-06	1.0000E 00	
3.55	1.1757E-07	1.0000E 00	4.3520E-09	1.0000E 00	1.3519E-06	1.0000E 00	
3.56	1.0737E-07	1.0000E 00	3.8916E-09	1.0000E 00	1.2539E-06	1.00COE 00	
3.57	9.8021E-08	1.0000E 00	3.4787E-09	1.0COCE 00	1.1626E-06	1.CO00E 00	
3.58	8 <b>.9463E-08</b>	1.0000E 00	3.1085E-09	1.0000E 00	1.0778E-06	1.0000E 00	
3.59	8.1630E-08	1.0 <b>00</b> 0£ 00	2.7768E-09	1.0000E 00	9.9893E-07	1.0000E 00	
3.60	7 <b>.4462</b> E-08	1.0000E 00	2.4796E-09	1.CO00E 00	9.2562E-07	1.0000E 00	
3.61	6.7904E-08	1.0000E <b>00</b>	2.2134E-09	1.0C00E 00	8.5749E-07	1.0000E 00	
3.62	6 <b>.1907</b> E <b>-08</b>	1.0000E 00	1.9752E-09	1.0000E 00	7.9419E-07	1.0000E 00	
3.63	5 <b>.6423E-08</b>	1.0000E 00	1.7619E-C9	1.0C00E 00	7.3540E-07	1.0000E 00	
3.64	5 <b>.1411</b> E-08	1.0000E 00	1.5712E-09	1.0000E 00	6.8081E-07	1.0000E 00	
3.65	4.6831E-08	1.0000E 00	1.4006E-09	1.0C00E 00	6.3C12E-07	1.00COE 00	
3.66	4.2648E-08	1.0000E 00	1.2481E-09	1.0000E 00	5.83082-07	1.0000000000	
3.67	3.8827E-08	1.0000E 00	1.1118E-09	1.0000E 00	5.39426-07	1.0000E 00	
3.68	3.5338E-08	1.0000E 00	9.9004E-10	1.0000E 00	4.9892E-07		
3.69	3.2154E-08	1.0000E 00	8.8132E-10	1.0000E 00	4.61355-07	1.00000 00	
3.70	2.92496-08	1.0000E 00	7.8426E-10	1.0000E 00	4.20525-07	1.00000 00	
3.71	2.65996-08	1.0000E 00	6.9700E-10	1.000000 00	3.44205-07	1.00000 00	
3.72	2.418ZE-08	1.0000E 00	6.2040E-10		3.34555-07	1.00000 00	
3.73	2.1979E-08	1.0000 00	5.5150E-10		3.30335-07	1.00000 00	
3.74	1.9971E-08	1.0000E 00	4.9009E-10	1.000000 00	3.10000-07	1.0000 00	
3.73	1.81916-08	1.00000000000	9.333000-10	1.000000 00	2.01000-01	1.00000 00	
3.70	1.40575-00	1.00000 00	3.60010-10	1.00000 00	2.4462E-07	1.0000E 00	
3.70	1.35755-08	1 00005 00	3 04545-10	1.0000E 00	2.25736-07	1.0000F 00	
3.70	1 23106-08	1 00000 00	2.70176-10	1.0000E 00	2-08265-07	1.0000F 00	
3.00	1 11726-08	1.0000 00 00	2.3959E-10	1.0000F 00	1.9210F-07	1.0000E 00	
2 61	1.01336-08	1.0000E 00	2,1239E+10	1.CODDE 00	1.7714E-07	1.0000E 00	
2 82	9.16455-09	1.0000E 00	1.8821E-10	1.0000E 00	1.6332E-07	1.0000E 00	
3.83	8.3262E-09	1.0000E 00	1.6673E-10	1.0000E 00	1.5C54E-07	1.00COE 00	
3.84	7.54445-09	1.0000F 00	1.4765E-10	1.0000E 00	1.3873E-07	1.0000E 00	
3.85	6.8341E-09	1.0000F 00	1.3071E-10	1.0000E 00	1.2781E-07	1.0000E 00	
3.86	6.1869E-09	1.0000F 00	1.1567E-10	1.0000E 00	1.1773E-07	1.0000E 00	
3.87	5.6031E-09	1.0000E 00	1.0232E-10	1.0000E 00	1.0842E-07	1.0000E 00	
3.88	5.071 3E-09	1.0000E 00	9.0489E-11	1.0000E 00	9.9821E-08	1.000JE 00	
3.89	4.5887E-09	1.0000E 00	7.9994E-11	1.0000E 00	9.I883L-08	1.0000E 00	
3.90	4.150 BE-09	1.0000E 00	7.0691E-11	1.0000E 00	8.4557L-08	1.0000E 00	
3.91	3.7537E-09	1.0000E 00	6.2449E-11	1.0000E 00	7.7798E-08	1.0000E 00	
3.92	3.3937E-09	1.0000E 00	5.5148E-11	1.0000E 00	7.1562E-08	1.0000E 00	
3.93	3.067 <b>3E-0</b> 9	1.0000E 00	4.8684E-11	1.0000E 00	6.58116-08	1.0000E 00	
3.94	2.7715E-09	1.000CE 00	4.2963E-11	1.0000E 00	6.0509L-08	1.00COE 00	
3.95	2.5035E-09	1.0000E 00	3.7901E-11	1.0000E 00	5.5620E-08	1.0000E 00	
3.96	2.2609E-09	1.0000E 00	3.3424E-11	1.0000E 00	5.1115E-08	1.0000E 00	
3.97	2.041 1E -09	1.0000E 00	2.9465E-11	1.COODE 00	4.6964E-08	1.0000E 00	
3.98	1.8423E-09	1.0000E 00	2.5966E-11	1.0000E 30	4.3141E-08	1.0000E 00	
3.99	1.6623E-09	1.0000E 00	2.2875E-11	1.COCOE 00	3.9619E-08	1.00COE 00	

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