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EVALUATION OF NEUTRON NUCLEAR DATA FOR  $^{249}\text{Bk}$  AND  $^{249}\text{Cf}$

September 1985

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Evaluation of Neutron Nuclear Data for  $^{249}\text{Bk}$  and  $^{249}\text{Cf}$

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( Received August 8, 1985 )

Neutron nuclear data of  $^{249}\text{Bk}$  and  $^{249}\text{Cf}$  have been evaluated in the energy range from  $10^{-5}$  eV to 20 MeV. Evaluated quantities are the total, elastic and inelastic scattering, fission, capture, (n,2n), (n,3n) and (n,4n) reaction cross sections, the resolved and unresolved resonance parameters, the angular and energy distributions of the emitted neutrons, and the average number of neutrons emitted per fission. The fission cross sections were evaluated mainly on the basis of measured data. The other cross sections were calculated with the optical and statistical models because of scarce measured data.

Keywords: Berkelium-249, Californium-249, Evaluation, Resonance Parameters, Fission, Optical Model, Statistical Model, Systematics

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+ Present address: Office of Planning, JAERI.

$^{249}\text{Bk}$  と  $^{249}\text{Cf}$  の中性子核データの評価

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(1985年8月8日受理)

$^{249}\text{Bk}$  と  $^{249}\text{Cf}$  の中性子核データの評価を  $10^{-5}$  eV から 20 MeV のエネルギー範囲で行った。評価した物理量は、全断面積、弾性および非弾性散乱断面積、核分裂断面積、捕獲断面積、 $(n, 2n)$ 、 $(n, 3n)$  および  $(n, 4n)$  反応断面積、分離および非分離共鳴パラメータ、放出中性子の角度分布とエネルギー分布、そして核分裂当りの平均放出中性子数である。核分裂断面積は主に実験データに基づいて評価された。その他の断面積は、測定データが乏しいので、光学模型や統計模型を用いて計算した。

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## 1. Introduction

Neutron nuclear data of transplutonium isotopes are required to analyze the down-stream problems of fuel cycle. JENDL-2 contains the data of  $^{241-243}\text{Am}$  and  $^{242-245}\text{Cm}$ . In order to analyze the complete production and decay chain up to  $^{252}\text{Cf}$ , we will supply the data of higher Cm and Bk isotopes. According to this program, the data of  $^{246-249}\text{Cm}$  were already evaluated.

In the fiscal year of 1984, the data of  $^{249}\text{Bk}$  and  $^{249}\text{Cf}$  have been evaluated under contracts with Power Reactor and Nuclear Fuel Development Corporation. As are listed in Table 1, the presently evaluated quantities are the total, elastic and inelastic scattering, fission, capture, (n,2n), (n,3n) and (n,4n) reaction cross sections, the resolved and unresolved resonance parameters, the angular and energy distributions of the emitted neutrons, and the average number of neutrons per fission.

The method and results of the evaluation are described in Chapters 2 and 3 for  $^{249}\text{Bk}$  and  $^{249}\text{Cf}$ , respectively. The present results are compared with available experimental data and with the ENDF/B-V and ENDL-82 data.

## 2. Berkelium-249

### 2.1 Thermal Cross Sections

The measured thermal cross sections<sup>1-5)</sup> are compared in Table 2. The large resonance level at 0.195 eV causes a large discrepancy between the thermal cross sections measured in pile spectra and those measured in differential experiments. Since the resonance parameters of Benjamin et al. were adopted as described in the next section, we also adopted the data measured by the same authors in the differential experiment.

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The thermal fission cross section of  $^{249}\text{Bk}$  has not been measured because of its small cross-section value and of very large cross-section value of its daughter nuclei  $^{249}\text{Cf}$ . The fission cross section was estimated from the systematics of  $\sigma_f/\sigma_c$  given by Prince<sup>6)</sup>.

## 2.2 Resonance Parameters

### 2.2.1 Resolved Resonance Parameters

The resonance parameters of  $^{249}\text{Bk}$  were measured by Benjamin et al.<sup>4)</sup> and Anufriev et al.<sup>8)</sup> They were collected and stored in REPSTOR system<sup>9)</sup>. Benjamin et al. made the transmission measurements from 0.03 to 100 eV using ORELA and deduced the reduced neutron widths and the radiative widths for 40 resonance levels up to 99 eV. Anufriev et al. also made the transmission measurements up to 50 keV by using the TOF method with the neutron spectrometer at the SM-2 reactor. Both parameters agree with each other in the low energy resonances but are discrepant for high energy resonances.

The parameters of Benjamin et al. were adopted in the present evaluation considering their wider energy range and their smaller quoted errors. The parameters of a negative resonance were adjusted so as to reproduce the thermal capture cross section.

The fission width was obtained so as to reproduce the thermal fission cross section of about 4.0 barns which was estimated from the ratio of the fission to capture cross sections evaluated by Prince<sup>6)</sup>. The same fission width was assumed to all the resonance levels. The spin  $J$  of each resonance was determined with a random number method by assuming the Wigner distribution of level spacing. The presently adopted resonance parameters are listed in Table 3 together with those of Benjamin et al. and Anufriev et al. The calculated thermal cross sections are given in Table 2.

The plotting of the cumulative number of resonances shows that there may be some missing levels above 20 eV. However the plotting of the cumulative reduced neutron widths shows a straight line up to 60 eV. It suggests that the missing levels have negligibly small neutron widths. Hence the maximum energy of the resolved resonance region was set at 60 eV.

### 2.2.2 Unresolved Resonance Parameters

No experimental cross section data are available in the unresolved resonance region between 60 eV and 30 keV. The s-wave neutron strength function, the radiative width, the fission width and the mean level spacing were estimated from the resolved resonance parameters. The p- and d-wave neutron strength functions and the effective scattering radius were calculated with the optical model. The unresolved resonance parameters are given in Table 4.

### 2.2.3 Resonance Integrals

The resonance integrals calculated from the presently evaluated data are

Capture : 12.1 barns,

Fission : 1126 barns.

The capture integral agrees well with the measured data of Gavrilov et al.<sup>3)</sup>

## 2.3 Cross Sections above Resonance Region

### 2.3.1 Fission Cross Section

The following measured data are available for the fission cross section of  $^{249}\text{Bk}$  above the resonance region:

Vorotonikov et al. <sup>10)</sup>	(1970)	: 0.2 MeV - 5.0 MeV,
Fomushkin et al. <sup>11)</sup>	(1972)	: 1.5 MeV - 14.5 MeV,
Silbert <sup>12)</sup>	(1977)	: 0.7 MeV - 3 MeV.

The present evaluation was made on the basis of these data above 700 keV with the eye-guide method. No experimental data are available for the subthreshold fission cross section below 700 keV. The cross section below 100 keV is calculated from the unresolved resonance parameters as mentioned in 2.2.2. Between 100 and 700 keV, the cross sections were smoothly connected with the eye-guide method. The fission cross section thus obtained is shown in Fig.1 with the measured data as well as the other evaluated data.

### 2.3.2 Other Cross Sections

No measured data have so far been reported for the other cross sections. Hence the evaluation was made by the theoretical calculation based on the optical, statistical and evaporation models.

We adopted the same optical potential parameters as used in the evaluation of  $^{241}\text{Am}$ ,  $^{242\text{m}}\text{Am}$ ,  $^{242\text{g}}\text{Am}$ ,  $^{243}\text{Am}$ ,  $^{242}\text{Cm}$  and  $^{243}\text{Cm}$  for JENDL-2 and of  $^{246}\text{Cm}$ ,  $^{247}\text{Cm}$ ,  $^{248}\text{Cm}$  and  $^{249}\text{Cm}$  for JENDL-3. These potential parameters were obtained by Igarasi and Nakagawa<sup>13)</sup> so as to reproduce the total cross section of  $^{241}\text{Am}$  measured by Phillips and Howe<sup>14)</sup>. The parameter set is given in Table 5. The level density parameters were taken from the recommendation by Gilbert and Cameron<sup>15)</sup> and are given in Table 6.

The (n,2n), (n,3n) and (n,4n) reaction cross sections were calculated with Pearlstein's method<sup>16)</sup> based on the evaporation model. The neutron emission cross section was assumed to be the difference between the compound nucleus formation cross section and the fission

cross section, because the charged particle emission and the compound elastic scattering cross sections are negligibly small.

Taking account of the (n,2n), (n,3n), (n,4n) and fission cross sections as the competing processes, the capture, elastic and inelastic scattering cross sections were calculated with the statistical model code CASTHY<sup>17)</sup>. The  $\gamma$ -ray strength function was calculated to be  $3.3 \times 10^{-2}$  from the radiative width and the mean level spacing in the resolved resonance region. Eighteen discrete levels were taken into account up to 475 keV and levels above 519 keV were assumed to be overlapping. The level scheme of the discrete levels was taken from Table of Isotopes, 7th edition<sup>18)</sup> and is shown in Table 7.

The Q-values of the (n,2n), (n,3n) and (n,4n) reactions were obtained from the compilation of Wapstra and Bos<sup>19)</sup> and are given in Table 8. The calculated cross sections are shown in Figs. 2-4 with the other evaluated data.

## 2.4 Other Quantities

### 2.4.1 Average Number of Neutrons Emitted per Fission

There is no measurement on the  $\nu$ -value for the neutron-induced fission of <sup>249</sup>Bk. Hence the following semi-empirical formula by Howerton<sup>20)</sup> was adopted;

$$\begin{aligned} \nu(Z, A_t, E_n) = & 2.33 + 0.06 [2 - (-1)^{A_t+1-Z} - (-1)^Z] \\ & + 0.15 (Z-92) + 0.02(A_t-235) \\ & + [0.130 + 0.006 (A_t-235)] \times [E_n - E_T(Z, A_t)], \end{aligned}$$

$$E_T(Z, A_t) = 18.6 - 0.36 Z^2/(A_t+1) + 0.2[2 - (-1)^{A_t+1-Z} - (-1)^Z] - B_n,$$

where  $E_T$  stands for the fission threshold energy,  $E_n$  is the incident neutron energy,  $A_t$  the mass number of target nucleus,  $Z$  the atomic

number and  $B_n$  the neutron separation energy from compound nucleus.

Applying  $A_c = 249$  and  $B_n = 4.97$  MeV, we obtained

$$E_T = 0.88 \text{ MeV,}$$

and

$$\nu = 3.41 + 0.214 E_n.$$

As no measurement has been reported on the number of delayed neutrons, we estimated  $\nu_d$  from the systematics proposed by Tuttle<sup>21)</sup>:

$$\nu_d = \exp\{13.81 + 0.1754(A_c - 3Z)(A_c/Z)\},$$

where  $A_c$  is the mass number of the compound nucleus. We also assumed that the  $(n, n'f)$  process was dominant after its channel opened ( $E_n > 6 \sim 8$  MeV). Under these assumptions, the presently evaluated value is

$$\begin{aligned} \nu_d &= 0.0089 && \text{for } E_n \leq 6 \text{ MeV,} \\ &0.0061 && \text{for } E_n \geq 8 \text{ MeV.} \end{aligned}$$

Both values are linearly connected between 6 and 8 MeV.

As to the decay constants and fraction of delayed neutrons, the values for  $^{240}\text{Pu}$  evaluated by Tuttle<sup>22)</sup> were adopted because of analogous values of  $(A_c - 3Z)(A_c/Z)$ .

#### 2.4.2 Angular Distributions of Emitted Neutrons

The angular distributions for the elastic scattering and the inelastic scattering to discrete levels were calculated with the optical and statistical models. The isotropic scattering in the laboratory system was assumed for the inelastic scattering to continuum levels,  $(n, 2n)$ ,  $(n, 3n)$ ,  $(n, 4n)$  and fission reactions.

### 2.4.3 Energy Distributions of Emitted Neutrons

A simple evaporation spectrum was assumed for the inelastically scattered neutrons which leave the residual nucleus in continuum states (MT = 91). The nuclear temperature ( $\theta$ ) was determined as

$$\theta = T_n \quad E_n < E_x,$$

$$\theta = \frac{1 + \sqrt{1 + 4\alpha(E_n - \Delta)}}{2\alpha} \quad E_n > E_x,$$

where  $E_n$  is the incident neutron energy, and  $\alpha$  and  $\Delta$  are the level density parameter and the pairing energy of the residual nucleus.  $T_n$  is the nuclear temperature in the constant temperature model and  $E_x$  is the joining energy between the constant temperature and Fermi gas models. Assumed values of these parameters are listed in Table 6.

As to the (n,2n), (n,3n) and (n,4n) reactions, we assumed the following successive evaporation process. For the (n,2n) process, for example, the first neutron evaporates leaving the residual nucleus in an excited state higher than the neutron separation energy, and then the second neutron evaporates from the excited state. In the calculation of the temperature for the second neutron, we assumed that the second neutron evaporated from an excited state corresponding to the average energy of the first neutron. In the ENDF/B format, the temperature of each neutron is stored independently in each subsection.

### 2.4.4 Fission Spectrum

The Maxwellian spectrum was adopted in the present work. As no measured data exist for  $^{249}\text{Bk}$ , the temperature was determined from the systematics of the average neutron energy on A and Z obtained by Smith et al.<sup>23)</sup>. The obtained temperature is 1.40 MeV, by taking account of

the  $^{252}\text{Cf}$  average fission neutron energy of 2.13 MeV recommended by Grundl and Eisenhauer<sup>24)</sup>.

## 2.5 Discussion

The thermal capture cross section, fission cross section above 700 keV and resonance parameters were evaluated on the basis of experimental data. The evaluation for the other quantities was much based on the theoretical calculation and the estimation with systematics. The presently evaluated cross sections are shown in Fig.5 in the energy range above 100 eV.

The thermal cross sections have large discrepancies among their experimental data. New experiments are expected to determine more reliable cross sections. Large discrepancies are also found among existing evaluated data and the presently evaluated data as shown in Figs.1 to 4.

## 3. Californium-249

### 3.1 Thermal Cross Sections

The measured thermal cross sections are compared in Table 9. They agree with one another except the oldest data of Harvey. Hence we averaged the measured data omitting Harvey's data. The adopted values are also given in Table 9.

### 3.2 Resonance Parameters

#### 3.2.1 Resolved Resonance Parameters

Four sets of the measured data have so far been reported for the resonance parameters of  $^{249}\text{Cf}$ , and they were collected with REPSTOR system<sup>9)</sup>. Silbert<sup>32)</sup> gave the reduced neutron and fission widths for 43

the  $^{252}\text{Cf}$  average fission neutron energy of 2.13 MeV recommended by Grundl and Eisenhauer<sup>24)</sup>.

## 2.5 Discussion

The thermal capture cross section, fission cross section above 700 keV and resonance parameters were evaluated on the basis of experimental data. The evaluation for the other quantities was much based on the theoretical calculation and the estimation with systematics. The presently evaluated cross sections are shown in Fig.5 in the energy range above 100 eV.

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resonance levels from 16 to 70 eV by using the Physics-8 underground nuclear explosion as a neutron source. Dabbs et al.<sup>33)</sup> gave the same quantities for 11 levels from 0.7 eV to 17 eV. Benjamin et al.<sup>4)</sup> also reported the same quantities for 65 levels from 0.7 to 90 eV from their transmission measurements by using ORELA. Anufriev et al.<sup>31)</sup> gave the total and reduced neutron widths for 49 levels from -0.18 eV to 66 eV by using a four-roter neutron selector at the SM-2 reactor. They are shown in Table 10.

The parameters of Benjamin et al.<sup>4)</sup> were adopted in the present work, considering their large energy range and their small quoted errors. A negative resonance was added at -0.18 eV so as to reproduce the adopted thermal cross sections in Table 9. The calculated cross sections are also given in Table 9. The spin  $J$  of each resonance was obtained with the same random number method as in the case of  $^{249}\text{Bk}$ .

Benjamin et al.<sup>4)</sup> argued that about 25% of resonance levels were missing up to 65 eV. However, it was concluded from the plot of the cumulative reduced neutron width versus neutron energy that few resonances with a large neutron width were missing. The maximum energy of the resolved resonance region was set at 70 eV.

### 3.2.2 Unresolved Resonance Region

The fission cross sections measured by Silbert<sup>32)</sup> and by Dabbs and Bemis<sup>34)</sup> are the only available experimental data in the unresolved resonance region between 70 eV and 30 keV. Hence the unresolved resonance parameters were determined so as to reproduce these fission cross sections. The evaluation of the fission cross section will be described later.

As the initial guess values, the s-wave neutron strength function,

the observable level spacing and the radiative width were determined from the resolved resonance parameters. The p- and d-wave strength functions and the effective scattering radius were calculated with the optical model.

The fission widths were estimated from the channel theory of fission<sup>35)</sup>. The energies of the transition states were assumed from the systematic survey<sup>36)</sup> of the other fissile nuclei. It can be expected from the assumed transition states that

- 1) the  $2^-$ ,  $4^-$  and  $6^-$  states have one open fission channel (bending vibration),
- 2) the  $3^-$ ,  $5^-$  and  $7^-$  states have two open fission channels (bending and mass-asymmetry vibrations),
- 3) the  $3^+$  and  $5^+$  states have one open channel (gamma vibration), and
- 4) the  $4^+$  and  $6^+$  states have two open channels (ground state band and gamma vibration band).

First the observable level spacing, the fission widths and the effective scattering radius were adjusted so that the calculated total, fission and capture cross sections might join smoothly with the smooth cross sections above 30 keV. Then the neutron strength functions were adjusted so as to reproduce the evaluated fission cross section at each energy point, by fixing all the other parameters. The obtained unresolved resonance parameters are given in Table 11 with the calculated cross sections.

### 3.2.3 Resonance Integrals

The capture and fission resonance integrals calculated from the present evaluated data are shown in Table 12 with the measured data. The present capture integral looks a little lower, while the fission integral is a little higher.

### 3.3 Cross Sections above Resonance Region

#### 3.3.1 Fission Cross Section

The experimental data are numerous for the fission cross section of  $^{249}\text{Bk}$ . Cf. Available data in this energy region are

Fomushkin et al. <sup>11)</sup>	(1972)	14.5 MeV
Fursov et al. <sup>29)</sup>	(1972)	0.5 MeV - 5.0 MeV,
Vorotonikov et al. <sup>37)</sup>	(1972)	0.16 MeV - 1.6 MeV,
Silbert <sup>32)</sup>	(1973)	13 eV - 2.9 MeV,
Fursov et al. <sup>38)</sup>	(1974)	0.5 MeV - 7.0 MeV,
Fomushkin et al. <sup>39)</sup>	(1976)	0.25 MeV - 5.15 MeV,
Dabbs and Bemis <sup>34)</sup>	(1981)	6.4 meV - 17 MeV,
Kupriyanov et al. <sup>40)</sup>	(1984)	0.13 MeV - 7.4 MeV.

Among them, the data of Fursov et al.<sup>29,38)</sup> and of Kupriyanov et al.<sup>40)</sup> were given as the ratio to the fission cross section of  $^{239}\text{Pu}$ . Their absolute values were deduced by using the JENDL-2 data of  $^{239}\text{Pu}$  fission.

The present evaluation was made mainly on the basis of the data of Dabbs and Bemis<sup>34)</sup> and of Kupriyanov et al.<sup>40)</sup> which agree well with each other. The presently evaluated data are shown in Fig.6 with the measured data as well as the evaluated data of ENDF/B-V and ENDL-82.

#### 3.3.2 Other Cross Sections

The evaluation of all the other cross sections was made with the optical, statistical and evaporation models.

The same optical potential parameters and calculation procedure as in the case of  $^{249}\text{Bk}$  were used. The  $\gamma$ -ray strength function of  $3.25 \times 10^{-2}$  was determined from the average radiative width and the mean level spacing in the unresolved resonance region. The level density parameters, the level scheme and the Q-values of (n,2n), (n,3n) and

(n,4n) reactions are shown in Tables 13,14 and 15, respectively.

The calculated cross sections are shown in Figs.7-9 with the other evaluated data.

### 3.4 Other Quantities

#### 3.4.1 Average Number of Neutrons Emitted per Fission

Volodin et al.<sup>41)</sup> reported the  $\bar{\nu}$ -value of  $4.06 \pm 0.04$  at the thermal energy, and this value was adopted in the present work. Its energy dependence was estimated from the semi-empirical formula by Howerton<sup>20)</sup> which is given in 2.4.1. Applying  $A_c = 249$  and  $B_n = 6.62$  MeV, Howerton's formula gives

$$\bar{\nu} = 3.91 + 0.214 E_n.$$

The calculated thermal value agrees with the experimental one of Volodin et al. Finally, the following formula was adopted by replacing the constant term with the experimental value.

$$\bar{\nu} = 4.06 + 0.214 E_n.$$

The average number of delayed neutrons was estimated with the same method as used for  $^{249}\text{Bk}$ . The result is

$$\begin{aligned} \nu_d &= 0.0028 \quad \text{for } E_n \leq 6 \text{ MeV,} \\ &= 0.0019 \quad \text{for } E_n \geq 8 \text{ MeV.} \end{aligned}$$

As to the decay constants and the fraction of delayed neutrons, the values for  $^{239}\text{Pu}$  were adopted, taking account of  $(A_c - 3Z)(A_c/Z)$ .

#### 3.4.2 Angular and Energy Distributions of Emitted Neutrons

The same procedure used for  $^{249}\text{Bk}$  was adopted. The obtained temperature of the fission spectrum is 1.43 MeV.

### 3.5 Discussion

The presently evaluated cross sections are shown in Fig.10. The fission cross section was evaluated on the basis of the recently measured data, and are in agreement with the other evaluated data as shown in Fig.6. Other cross sections were calculated with the optical, statistical and evaporation models. Discrepancies of the cross sections are found among ENDF/B-V, ENDL-82 and the present results.

### 4. Concluding Remarks

Evaluation of neutron nuclear data was performed on  $^{249}\text{Bk}$  and  $^{249}\text{Cf}$ . The thermal cross sections, resonance parameters and fission cross sections were evaluated mainly on the basis of available experimental data. The other quantities were determined with theoretical calculations. The presently evaluated data were compiled in the ENDF/B-V format, and are listed in Appendix.

### Acknowledgment

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Table 1 Presently evaluated quantities

Quantities	Energy ranges (eV)*	
	$^{249}\text{Bk}$	$^{249}\text{Cf}$
1) Resonance parameters		
Resolved resonance parameters	-1.67-1 - 9.9+1	-1.80-1 - 8.98+1
Resolved resonance region	1.0-5 - 6.0+1	1.0-5 - 7.0+1
Unresolved resonance region	6.0+1 - 3.0+4	7.0+1 - 3.0+4
2) Cross sections		
Total	1.0-5 - 2.0+7	1.0-5 - 2.0+7
Elastic scattering	1.0-5 - 2.0+7	1.0-5 - 2.0+7
Inelastic scattering	8.84+3 - 2.0+7	6.28+4 - 2.0+7
Fission	1.0-5 - 2.0+7	1.0-5 - 2.0+7
Radiative capture	1.0-5 - 2.0+7	1.0-5 - 2.0+7
(n,2n)	6.24+6 - 2.0+7	5.62+6 - 2.0+7
(n,3n)	1.18+7 - 2.0+7	1.26+7 - 2.0+7
(n,4n)	1.85+7 - 2.0+7	1.87+7 - 2.0+7
4) Angular distributions of emitted neutrons		
Elastically and inelastically scattered neutrons, and those from (n,2n), (n,3n) and (n,4n) reactions in the same energy range as their cross sections.		
5) Energy distributions of emitted neutrons		
Inelastic to continuum	5.21+5 - 2.0+7	5.52+5 - 2.0+7
(n,2n)	6.24+6 - 2.0+7	5.62+6 - 2.0+7
(n,3n)	1.18+7 - 2.0+7	1.26+7 - 2.0+7
(n,4n)	1.85+7 - 2.0+7	1.87+7 - 2.0+7
Fission	1.0-5 - 2.0+7	1.0-5 - 2.0+7
6) $\bar{\nu}$ and $\bar{\nu}_d$	1.0-5 - 2.0+7	1.0-5 - 2.0+7

\* 8.98+1 stands for  $8.98 \times 10^1$  eV.

Table 2 Thermal cross sections of  $^{249}\text{Bk}$ 

	(barns)	
	Capture	Fission
Experimental		
54 Harvey <sup>1)</sup>	1100 ± 300	
68 Folger <sup>2)</sup>	1400	
76 Gavrilov <sup>3)</sup>	1800 ± 100	
83 Benjamin <sup>4)</sup>	710 ± 40	
Integral Data (from production data) <sup>5)</sup>		
SRP production reactor	1451	—
ORNL - HFIR	1706	553
Recommended		
67 Prince <sup>6)</sup>	500	2.8
BNL-325 (3) <sup>7)</sup>	1300	—
Adopted	710 ± 40	4.0
Calculated*	709.6	3.96

\* Calculated from the presently adopted resonance parameters.

Table 3 Resolved resonance parameters of <sup>249</sup>Bk

ENERGY (eV)	J	NEUTRON WIDTH (MILLI-EV)	2G*(R N-WIDTH) (MILLI-EV)	GAMMA WIDTH (MILLI-EV)	FISSION WIDTH (MILLI-EV)	MISCELLANEOUS **	REFERENCE ***
-0.167 -0.083 -0.167	4 ) R	0.0175 0.016 ± 0.003	0.0481 0.0679	35.7 ± 2.0 36 ± 2 35.7 ± 2.0	( 0.2 )	L = 0 COM= ADJUSTED H GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
0.195 ± 0.006 0.198 ± 0.004 0.195 ± 0.006	3 ) R	0.117 ± 0.002 0.102 ± 0.006	0.232 ± 0.004 0.232 ± 0.004	35.9 ± 1.6 36.2 ± 1.3 35.9 ± 1.6	( 0.2 )	L = 0 GT = 36 ± 2	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
1.338 ± 0.002 1.354 ± 0.006 1.338 ± 0.002	3 ) R	0.198 ± 0.005 0.165 ± 0.008	0.150 ± 0.004 0.150 ± 0.004	35.1 ± 0.7 41.4 ± 1.8 35.1 ± 0.7	( 0.2 )	L = 0 GT = 36.4 ± 1.3	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
1.600 ± 0.002 1.610 ± 0.008 1.600 ± 0.002	4 ) R	0.573 ± 0.009 0.60 ± 0.02	0.510 ± 0.008 0.510 ± 0.008	33.2 ± 1.3 31 ± 3 33.2 ± 1.3	( 0.2 )	L = 0 GT = 42.7 ± 1.8	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
2.149 ± 0.004 2.164 ± 0.009 2.149 ± 0.004	4 ) R	0.107 ± 0.009 0.12 ± 0.01	0.082 ± 0.002 0.082 ± 0.002	36.7 ± 1.1 38 ± 9 36.7 ± 1.1	( 0.2 )	L = 0 GT = 31 ± 3	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
3.112 ± 0.006 3.131 ± 0.012 3.112 ± 0.006	3 ) R	0.145 ± 0.004 0.13 ± 0.01	0.072 ± 0.002 0.072 ± 0.002	37.0 ± 1.8 52 ± 10 37.0 ± 1.8	( 0.2 )	L = 0 GT = 38 ± 9	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
5.019 ± 0.008 5.03 ± 0.03 5.019 ± 0.008	4 ) R	0.231 ± 0.008 0.29 ± 0.03	0.116 ± 0.004 0.116 ± 0.004	44.3 ± 2.4 36 ± 12 44.3 ± 2.4	( 0.2 )	L = 0 GT = 52 ± 10	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
6.281 ± 0.015 6.30 ± 0.04 6.281 ± 0.015	4 ) R	0.147 ± 0.013 0.17 ± 0.02	0.066 ± 0.006 0.066 ± 0.006	33.8 ± 4.5 42 ± 13 33.8 ± 4.5	( 0.2 )	L = 0 GT = 36 ± 12	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
7.043 ± 0.024 7.03 ± 0.05 7.043 ± 0.024	4 ) R	0.165 ± 0.014 0.19 ± 0.03	0.070 ± 0.006 0.070 ± 0.006	39.0 ± 7.2 45 ± 4 39.0 ± 7.2	( 0.2 )	L = 0 GT = 42 ± 13	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
7.992 ± 0.008 7.99 ± 0.06 7.992 ± 0.008	4 ) R	1.412 ± 0.085 1.37 ± 0.06	0.562 ± 0.034 0.562 ± 0.034	36.1 ± 1.9 36.1 ± 1.9	( 0.2 )	L = 0 GT = 45 ± 4	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
10.59 ± 0.01 10.60 ± 0.09 10.59 ± 0.01	3 ) R	0.171 ± 0.015 0.24 ± 0.04	0.046 ± 0.004 0.046 ± 0.004	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
11.69 ± 0.01 11.63 ± 0.10 11.69 ± 0.01	3 ) R	0.680 ± 0.023 0.62 ± 0.05	0.174 ± 0.006 0.174 ± 0.006	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
14.29 ± 0.01 14.25 ± 0.16 14.29 ± 0.01	4 ) R	0.699 ± 0.027 0.85 ± 0.08	0.208 ± 0.008 0.208 ± 0.008	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
15.01 ± 0.02 14.95 ± 0.19 15.01 ± 0.02	4 ) R	2.07 ± 0.06 2.03 ± 0.12	0.602 ± 0.016 0.602 ± 0.016	35.7 ± 2.0 45 ± 15 35.7 ± 2.0	( 0.2 )	L = 0 GT = 47 ± 15	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
15.73 ± 0.02 15.68 ± 0.20 15.73 ± 0.02	3 ) R	1.405 ± 0.045 1.20 ± 0.11	0.310 ± 0.010 0.310 ± 0.010	35.7 ± 2.0 36 ± 19 35.7 ± 2.0	( 0.2 )	L = 0 GT = 38 ± 19	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
17.50 ± 0.21	R	0.3 ± 0.1				GT = 40	83ANUFRIEY+
18.16 ± 0.02 18.08 ± 0.23 18.16 ± 0.02	3 ) R	0.847 ± 0.049 0.76 ± 0.12	0.174 ± 0.010 0.174 ± 0.010	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
19.02 ± 0.02 18.99 ± 0.24 19.02 ± 0.02	4 ) R	0.419 ± 0.031 0.44 ± 0.21	0.108 ± 0.008 0.108 ± 0.008	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
19.85 ± 0.02 19.76 ± 0.24 19.85 ± 0.02	3 ) R	7.51 ± 0.23 5.13 ± 0.25	1.474 ± 0.046 1.474 ± 0.046	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
21.10 ± 0.02 22.10 ± 0.25 21.10 ± 0.02	4 ) R	0.506 ± 0.033 0.44 ± 0.25	0.124 ± 0.008 0.124 ± 0.008	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
24.06 ± 0.02 24.00 ± 0.30 24.06 ± 0.02	4 ) R	0.924 ± 0.044 1.1 ± 0.2	0.212 ± 0.010 0.212 ± 0.010	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
24.67 ± 0.02 24.60 ± 0.35 24.67 ± 0.02	3 ) R	1.54 ± 0.08 1.0 ± 0.2	0.272 ± 0.014 0.272 ± 0.014	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
30.24 ± 0.03 30.2 ± 0.4 30.24 ± 0.03	4 ) R	1.03 ± 0.07 2.6 ± 1.2	0.210 ± 0.014 0.210 ± 0.014	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
30.71 ± 0.03 30.8 ± 0.4 30.71 ± 0.03	3 ) R	1.87 ± 0.09 0.4	0.296 ± 0.014 0.296 ± 0.014	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
32.5 ± 0.5	R	0.96 ± 0.52				GT = 40	83ANUFRIEY+
35.83 ± 0.04 35.3 ± 0.6 35.83 ± 0.04	4 ) R	2.14 ± 0.10 1.8 ± 0.3	0.402 ± 0.018 0.402 ± 0.018	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEY+ 83BENJAMIN+
36.93 ± 0.04	3 )	12.82 ± 0.43	1.846 ± 0.062	35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3

ENERGY (EV)	J	NEUTRON WIDTH (MILLI-EV)	2G*(R N-WIDTH) (MILLI-EV)	GAMMA WIDTH (MILLI-EV)	FISSION WIDTH (MILLI-EV)	MISCELLANEOUS	REFERENCE
36.3 ± 0.6 36.93 ± 0.04		<sup>A</sup> 9.7 ± 0.7	1.846 ± 0.062	35.7 ± 2.0		GT = 40	83ANUFRIEV+ 83BENJAMIN+
40.31 ± 0.04 40.4 ± 0.8 40.31 ± 0.04	4	) <sup>A</sup> 5.33 ± 0.18 9.0 ± 2.2	0.944 ± 0.032 0.944 ± 0.032	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEV+ 83BENJAMIN+
40.99 ± 0.04 40.99 ± 0.04	3	) 1.81 ± 0.13	0.248 ± 0.018 0.248 ± 0.018	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
43.76 ± 0.04 43.6 ± 0.8 43.76 ± 0.04	4	) <sup>A</sup> 1.89 ± 0.13 3.5 ± 0.7	0.322 ± 0.022 0.322 ± 0.022	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEV+ 83BENJAMIN+
44.77 ± 0.04 44.77 ± 0.04	3	) 4.16 ± 0.21	0.544 ± 0.028 0.544 ± 0.028	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
46.76 ± 0.05 46.5 ± 0.9 46.76 ± 0.05	4	) <sup>A</sup> 6.54 ± 0.28 6.7 ± 2.5	1.076 ± 0.046 1.076 ± 0.046	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0 GT = 40	JENDL-3 83ANUFRIEV+ 83BENJAMIN+
51.85 ± 0.05 51.85 ± 0.05	4	) 2.92 ± 0.23	0.456 ± 0.036 0.456 ± 0.036	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
54.06 ± 0.05 54.06 ± 0.05	4	) 2.34 ± 0.14	0.358 ± 0.022 0.358 ± 0.022	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
56.67 ± 0.06 56.67 ± 0.06	3	) 5.51 ± 0.38	0.640 ± 0.044 0.640 ± 0.044	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
57.91 ± 0.08 57.91 ± 0.06	4	) 5.56 ± 0.30	0.822 ± 0.044 0.822 ± 0.044	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
61.19 ± 0.06 61.19 ± 0.06	3	) 3.45 ± 0.41	0.386 ± 0.046 0.386 ± 0.046	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
61.76 ± 0.06 61.76 ± 0.06	4	) 1.29 ± 0.20	0.184 ± 0.028 0.184 ± 0.028	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
81.69 ± 0.08 81.69 ± 0.08	3	) 12.3 ± 1.0	1.190 ± 0.096 1.190 ± 0.096	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
83.47 ± 0.08 83.47 ± 0.08	4	) 3.39 ± 0.50	0.418 ± 0.062 0.418 ± 0.062	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
84.77 ± 0.08 84.77 ± 0.08	4	) 2.93 ± 0.49	0.358 ± 0.060 0.358 ± 0.060	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+
98.98 ± 0.10 98.98 ± 0.10	3	) 5.00 ± 1.00	0.440 ± 0.088 0.440 ± 0.088	35.7 ± 2.0 35.7 ± 2.0	( 0.2 )	L = 0	JENDL-3 83BENJAMIN+

\* A denotes  $2g\Gamma_n$

\*\* L: orbital angular momentum

GT: total width

\*\*\* 83Anufriev+ : Ref.(8)

83Benjamin+ : Ref.(4)

Table 4 Unresolved resonance parameters and  
calculated cross sections of  $^{249}\text{Bk}$ 

## Unresolved resonance parameters

$$\begin{array}{lll}
 S_0 = 1.13 \times 10^{-4} & S_1 = 3.0 \times 10^{-4} & S_2 = 0.83 \times 10^{-4} \\
 D_{\text{obs}} = 1.16 \text{ eV} & R = 9.07 \text{ fm} & \\
 \Gamma_{\gamma} = 35.7 \text{ meV} & \Gamma_f = 0.205 \text{ meV} & 
 \end{array}$$

## Calculated cross sections

$E_n$ (eV)	$\sigma_t$ (b)	$\sigma_c$ (b)	$\sigma_f$ (b)
60	70.6	51.9	0.295
100	57.0	38.8	0.221
500	31.4	15.0	0.0857
1000	25.4	9.87	0.0563
5000	17.5	3.97	0.0227
10000	15.8	2.91	0.0166
30000	14.1	1.89	0.0108



Table 5 Optical potential parameters

$V$	$= 43.4 - 0.107 E_n$	(MeV)
$W_s$	$= 6.95 - 0.339 E_n + 0.0531 E_n^2$	(MeV)
$V_{so}$	$= 7.0$	(MeV)
$r_o = r_{so}$	$= 1.282$	(fm)
$r_s$	$= 1.29$	(fm)
$a = a_{so}$	$= 0.60$	(fm)
$b$	$= 0.5$	(fm)

Derivative Wood-Saxon form for the surface imaginary term and no volume term.

Table 6 Level density parameters of Bk-isotopes

Isotope		246	247	248	249	250
$a$	(MeV <sup>-1</sup> )	25.39	25.34	25.55	25.82	27.20
$\sigma_M^2/\sqrt{U}$	(MeV <sup>-1/2</sup> )	17.57	17.60	17.72	17.86	18.38
$\Delta$	(MeV)	0.0	0.39	0.0	0.90	0.0
$E_x$	(MeV)	3.11	3.50	3.10	4.01	3.10
$T_n$	(MeV)	0.421	0.426	0.419	0.417	0.404

Table 7 Level scheme of  $^{249}\text{Bk}$ 

No	Energy (keV)	$I^\pi$	No	Energy (keV)	$I^\pi$
GS	0	$7/2^+$	10	283.0	$13/2^-$
1	8.8	$3/2^-$	11	313.0	$17/2^+$
2	39.6	$5/2^-$	12	372.8	$15/2^-$
3	41.8	$9/2^+$	13	377.6	$1/2^+$
4	82.6	$7/2^-$	14	389.17	$5/2^+$
5	93.74	$11/2^+$	15	410.6	$3/2^+$
6	137.7	$9/2^-$	16	421.3	$5/2^+$
7	155.84	$13/2^+$	17	428.9	$7/2^+$
8	204.6	$11/2^-$	18	474.9	$9/2^+$
9	229.3	$15/2^+$			

Levels above 519 keV are assumed to be overlapping.

Table 8 Q-values and threshold energies of (n,xn) reaction cross sections for  $^{249}\text{Bk}$ 

Reaction	Q-value (MeV)	Threshold energy (MeV)
n,2n	- 6.2137	6.2389
n,3n	-11.7794	11.8271
n,4n	-18.3871	18.4615

Table 9 Thermal cross sections of  $^{249}\text{Cf}$ 

	(barns)		
	Total	Capture	Fission
Experimental			
54 Harvey <sup>1)</sup>		270*	630*
65 Metta <sup>25)</sup>			1735
70 Halperin <sup>26)</sup>			1690
71 Halperin <sup>27)</sup>		478 ± 25	
72 Fomushkin <sup>11)</sup>			1630 ± 100
72 Benjamin <sup>28)</sup>			1660 ± 50
72 Fursov <sup>29)</sup>			1619 ± 43
75 Zhuravlev <sup>30)</sup>			1715 ± 80
76 Gavrilov <sup>3)</sup>		530 ± 33	1610 ± 110
83 Benjamin <sup>4)</sup>	2050		
84 Anufriev <sup>31)</sup>	2400 ± 200		
Recommended			
BNL-325 (3) <sup>7)</sup>		465 ± 25	1660 ± 50
Adopted	2169 ± 62	504 ± 37	1665 ± 50
Calculated**	2176.7	504.5	1666

\* Omitted in taking an average.

\*\* Calculated from the presently adopted resonance parameters.

Table 10 Resolved resonance parameters of <sup>249</sup>Cf

ENERGY (eV)	J	NEUTRON WIDTH (MILLI-EV)	R. N-WIDTH (MILLI-EV) *	GAMMA WIDTH (MILLI-EV)	FISSION WIDTH (MILLI-EV)	MISCELLANEOUS **	REFERENCE ***
-0.18 -0.18	4	0.0989		( 40 )	134.2	L = 0 COM= ADJUSTED H GT = 190 WGN= 0.116	JENDL-3 83ANUFRIEV+
0.70 0.708 0.705 ± 0.014 0.70	5	0.65 ± 0.02	R 0.85 ± 0.02 R 0.741 R 0.88 ± 0.05 R 0.85 ± 0.02	( 40 ) ( 40 )	127 ± 3 119.6 127 ± 3	L = 0 GT = 147 ± 9	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
3.88 3.90 3.88 ± 0.43 3.88	4	0.291 ± 0.011	R 0.133 ± 0.005 R 0.115 R 0.15 ± 0.02 R 0.133 ± 0.005	( 40 ) ( 40 )	46 ± 3 44.9 46 ± 3	L = 0 GT = 77 ± 14	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
5.07 5.08 5.08 ± 0.02 5.07	5	0.653 ± 0.012	R 0.319 ± 0.006 R 0.268 R 0.30 ± 0.02 R 0.319 ± 0.006	( 40 ) ( 40 )	145 ± 6 154.3 145 ± 6	L = 0 GT = 169 ± 23	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
7.51 7.52 7.58 ± 0.01 7.51	5	0.147 ± 0.027	R 0.059 ± 0.011 R 0.063 R 0.058 ± 0.033 R 0.059 ± 0.011	( 40 ) ( 40 )	62 ± 12 89.4 62 ± 12	L = 0 GT = 90	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
8.65 8.66 8.66 ± 0.01 8.65	4	0.444 ± 0.033	R 0.136 ± 0.010 R 0.115 R 0.136 ± 0.014 R 0.136 ± 0.010	( 40 ) ( 40 )	125 ± 12 146.0 125 ± 12	L = 0 GT = 150	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
9.51 9.52 9.44 ± 0.04 9.51	4	1.61 ± 0.03	R 0.471 ± 0.009 R 0.362 R 0.49 ± 0.06 R 0.471 ± 0.009	( 40 ) ( 40 )	119 ± 5 97.1 119 ± 5	L = 0 GT = 219 ± 64	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
10.36 10.35 10.26 ± 0.17 10.36	5	0.234 ± 0.029	R 0.080 ± 0.010 R 0.078 R 0.081 ± 0.040 R 0.080 ± 0.010	( 40 ) ( 40 )	173 ± 40 252.2 173 ± 40	L = 0 GT = 171 ± 68	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
11.88 11.90 12.01 ± 0.13 11.88	5	0.047 ± 0.016	R 0.015 ± 0.006 R 0.037 R 0.13 ± 0.07 R 0.015 ± 0.005	( 40 ) ( 40 )	35 ± 34 242.4 35 ± 34	L = 0 GT = 250	JENDL-3 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
13.52 13.61 ± 0.07 13.52	5	0.772 ± 0.094	R 0.231 ± 0.028 R 0.283 ± 0.039 R 0.231 ± 0.028	( 40 )	161 ± 30 161 ± 30	L = 0 GT = 180	JENDL-3 83ANUFRIEV+ 83BENJAMIN+
13.63			0.403	( 40 )	205.1		74DABBS+
13.71 13.82 ± 0.02 13.71	5	0.956 ± 0.101	R 0.284 ± 0.030 R 0.22 ± 0.03 R 0.284 ± 0.030	( 40 )	198 ± 30 198 ± 30	L = 0 GT = 170	JENDL-3 83ANUFRIEV+ 83BENJAMIN+
16.03 16.0 16.06 16.09 ± 0.04 16.03	4	1.045 ± 0.134	R 0.235 ± 0.030 R 0.10 ± 0.01 R 0.159 R 0.22 ± 0.05 R 0.235 ± 0.030	( 40 ) ( 40 )	366 ± 60 190 ± 19 325.4 366 ± 60	L = 0 GT = 245 ± 122	JENDL-3 73SILBERT 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
16.79 16.7 16.82 16.89 ± 0.01 16.79	5	1.84 ± 0.07	R 0.495 ± 0.020 R 0.38 ± 0.038 R 0.420 R 0.45 ± 0.06 R 0.495 ± 0.020	( 40 ) ( 40 )	185 ± 10 170 ± 17 182.9 185 ± 10	L = 0 GT = 146 ± 44	JENDL-3 73SILBERT 74DABBS+ 83ANUFRIEV+ 83BENJAMIN+
17.51 ( 17.7 ) 17.11 ± 0.26 17.51	4	0.079 ± 0.037	R 0.017 ± 0.008 ( 0.00 ) R 0.048 ± 0.015 R 0.017 ± 0.008	( 40 ) ( 400 )	30 ± 20 ( 400 ) 30 ± 20	L = 0 GT = 197 ± 47	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
18.95 19.04 ± 0.14 18.95	5	0.396 ± 0.237	R 0.10 ± 0.06 R 0.14 ± 0.06 R 0.10 ± 0.06	( 40 )	( 50 ) <50	L = 0 GT = 126 ± 85	JENDL-3 83ANUFRIEV+ 83BENJAMIN+
19.8			0.04 ± 0.01		110 ± 82.5		73SILBERT
21.32 21.3 21.46 ± 0.01 21.32	4	9.03 ± 0.26	R 1.76 ± 0.05 R 1.73 ± 0.173 R 1.93 ± 0.41 R 1.76 ± 0.05	( 40 )	164 ± 7 150 ± 15 164 ± 7	L = 0 GT = 233 ± 24	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
21.65 21.7 21.92 ± 0.01 21.65	5	1.48 ± 0.30	R 0.35 ± 0.07 R 0.39 ± 0.039 R 0.39 ± 0.03 R 0.35 ± 0.07	( 40 )	122 ± 30 140 ± 14 122 ± 30	L = 0 GT = 160	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
22.8			0.20 ± 0.10		2.4 ± 1.2		73SILBERT
23.41 23.4 23.65 ± 0.06 23.41	4	0.97 ± 0.22	R 0.18 ± 0.04 R 0.13 ± 0.013 R 0.15 ± 0.07 R 0.18 ± 0.04	( 40 )	225 ± 50 106 ± 10.6 225 ± 50	L = 0 GT = 190	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
26.0 26.0 26.19 ± 0.14 26.0	5	1.34 ± 0.19	R 0.29 ± 0.04 R 0.31 ± 0.031 R 0.44 ± 0.10 R 0.29 ± 0.04	( 40 )	423 ± 70 320 ± 32 423 ± 70	L = 0 GT = 450	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
27.64 27.6	4	0.53 ± 0.12	R 0.09 ± 0.02 R 0.15 ± 0.015	( 40 )	44 ± 20 75 ± 26.25	L = 0	JENDL-3 73SILBERT

ENERGY (EV)	J	NEUTRON WIDTH (MILLI-EV)	R. N-WIDTH (MILLI-EV)	GAMMA WIDTH (MILLI-EV)	FISSION WIDTH (MILLI-EV)	MISCELLANEOUS	REFERENCE
27.82 ± 0.12 27.64			R 0.06 ± 0.02 R 0.09 ± 0.02		44 ± 20	GT = 75	83ANUFRIEV+ 83BENJAMIN+
28.15 28.1 28.32 ± 0.05 28.15	5	1.45 ± 0.10	R 0.30 ± 0.02 R 0.77 ± 0.23 R 0.35 ± 0.07 R 0.30 ± 0.02	( 40 )	70 ± 10 15 ± 4.5 70 ± 10	L = 0 GT = 132 ± 64	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
28.7 ( 28.9 ) 28.91 ± 0.07 28.7	4	0.42 ± 0.42	R 0.07 ± 0.07 ( 0.01 ) R 0.11 ± 0.08 R 0.07 ± 0.07	( 40 )	200 ± 100 ( 500 ) 200 ± 100	L = 0 GT = 210	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
30.37 30.3 30.37 ± 0.15 30.37	4	0.37 ± 0.18	R 0.06 ± 0.03 R 0.15 ± 0.05 R 0.08 ± 0.04 R 0.06 ± 0.03	( 40 )	51 ± 40 28 ± 14 51 ± 40	L = 0 GT = 150	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
31.0 31.0 31.00 ± 0.08 31.0	5	1.11 ± 0.20	R 0.22 ± 0.04 R 0.42 ± 0.08 R 0.19 ± 0.09 R 0.22 ± 0.04	( 40 )	300 ± 60 480 ± 96 300 ± 60	L = 0 GT = 310	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
31.5 31.5 31.70 ± 0.11 31.5	4	1.37 ± 0.25	R 0.22 ± 0.04 R 0.15 ± 0.03 R 0.20 ± 0.09 R 0.22 ± 0.04	( 40 )	200 ± 60 200 ± 40 200 ± 60	L = 0 GT = 210	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
33.39 33.3 33.39 ± 0.19 33.39	5	1.10 ± 0.21	R 0.21 ± 0.04 R 0.29 ± 0.029 R 0.20 ± 0.11 R 0.21 ± 0.04	( 40 )	326 ± 90 300 ± 30 326 ± 90	L = 0 GT = 245	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
34.9			0.15 ± 0.05		40 ± 20		73SILBERT
36.35 36.3 36.38 ± 0.07 36.35	5	2.25 ± 0.22	R 0.41 ± 0.04 R 1.0 ± 0.4 R 0.45 ± 0.11 R 0.41 ± 0.04	( 40 )	97 ± 10 50 ± 30 97 ± 10	L = 0 GT = 100	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
37.11 37.0 37.02 ± 0.10 37.11	4	3.11 ± 0.68	R 0.46 ± 0.10 R 0.65 ± 0.13 R 0.40 ± 0.11 R 0.46 ± 0.10	( 40 )	149 ± 50 130 ± 91 149 ± 50	L = 0 GT = 150	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
37.56 ( 37.4 ) 37.21 ± 0.64 37.56	5	1.06 ± 0.39	R 0.19 ± 0.07 ( 0.1 ) R 0.14 ± 0.09 R 0.19 ± 0.07	( 40 )	290 ± 150 ( 20 ) 290 ± 150	L = 0 GT = 300	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
38.1 ( 38.1 ) 37.89 ± 0.80 38.1	4	1.03 ± 1.03	R 0.15 ± 0.15 ( 0.08 ) R 0.13 ± 0.08 R 0.15 ± 0.15	( 40 )	200 ± 100 ( 400 ) 200 ± 100	L = 0 GT = 225	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
39.88 39.7 39.74 ± 0.08 39.88	5	2.12 ± 0.29	R 0.37 ± 0.05 R 0.41 ± 0.08 R 0.84 ± 0.13 R 0.37 ± 0.05	( 40 )	169 ± 30 220 ± 110 169 ± 30	L = 0 GT = 200	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
40.30 40.3 40.43 ± 0.10 40.30	4	3.88 ± 0.28	R 0.55 ± 0.04 R 0.52 ± 0.10 R 0.86 ± 0.15 R 0.55 ± 0.04	( 40 )	222 ± 30 110 ± 33 222 ± 30	L = 0 GT = 250	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
42.7			0.043 ± 0.01		130 ± 65		73SILBERT
43.09 43.1 43.24 ± 0.17 43.09	4	0.30 ± 0.02	R 0.041 ± 0.003 R 0.056 ± 0.01 R 0.38 ± 0.15 R 0.041 ± 0.003	( 40 )	100 ± 100 100 ± 50 100 ± 100	L = 0 GT = 130	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
45.78 45.6 45.47 ± 0.11 45.78	5	2.34 ± 0.25	R 0.38 ± 0.04 R 0.58 ± 0.35 R 0.64 ± 0.16 R 0.38 ± 0.04	( 40 )	95 ± 15 55 ± 33 95 ± 15	L = 0 GT = 115	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
46.6			0.072 ± 0.01		150 ± 90		73SILBERT
47.70 47.5 47.70 ± 0.13 47.70	4	0.77 ± 0.23	R 0.10 ± 0.03 R 0.32 ± 0.16 R 0.11 ± 0.04 R 0.10 ± 0.03	( 40 )	500 ± 50 70 ± 52.5 500 ± 50	L = 0 GT = 500	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
48.50 48.4 48.35 ± 0.87 48.50	5	3.3 ± 0.4	R 0.52 ± 0.06 R 0.44 ± 0.044 R 0.88 ± 0.22 R 0.52 ± 0.06	( 40 )	324 ± 50 170 ± 17 324 ± 50	L = 0 GT = 350	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
51.63 51.2 51.17 ± 0.31 51.63	4	2.55 ± 0.80	R 0.32 ± 0.10 R 0.24 ± 0.10 R 0.48 ± 0.24 R 0.32 ± 0.10	( 40 )	375 ± 100 300 ± 225 375 ± 100	L = 0 GT = 370	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
52.23 52.1 52.20 ± 0.12 52.23	5	8.3 ± 0.4	R 1.26 ± 0.06 R 1.15 ± 0.17 R 0.96 ± 0.22 R 1.26 ± 0.06	( 40 )	132 ± 12 87 ± 17.4 132 ± 12	L = 0 GT = 150	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
54.02 53.9 53.19 ± 0.19	4	4.8 ± 0.4	R 0.59 ± 0.05 R 0.65 ± 0.065 R 0.56 ± 0.28	( 40 )	465 ± 90 490 ± 49	L = 0 GT = 500	JENDL-3 73SILBERT 83ANUFRIEV+

ENERGY (eV)	J	NEUTRON WIDTH (MILLI-EV)	R. N-WIDTH(0) (MILLI-EV)	GAMMA WIDTH (MILLI-EV)	FISSION WIDTH (MILLI-EV)	MISCELLANEOUS	REFERENCE
54.02			<sup>A</sup> 0.59 ± 0.05		465 ± 90		83BENJAMIN+
56.0			0.41 ± 0.08		230 ± 172.5		73SILBERT
56.28 56.31 ± 0.32 56.28	5	4.3 ± 0.7	<sup>A</sup> 0.63 ± 0.10 <sup>A</sup> 0.67 ± 0.30 <sup>A</sup> 0.63 ± 0.10	( 40 )	475 ± 200 475 ± 200	L = 0 GT = 500	JENDL-3 83ANUFRIEV+ 83BENJAMIN+
56.4			0.49 ± 0.10		45 ± 33.75		73SILBERT
57.7 57.6 57.42 ± 0.32 57.7	4	6.0 ± 0.8	<sup>A</sup> 0.71 ± 0.10 <sup>A</sup> 0.60 ± 0.06 <sup>A</sup> 0.63 ± 0.31 <sup>A</sup> 0.71 ± 0.10	( 40 )	638 ± 120 450 ± 45 638 ± 120	L = 0 GT = 650	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
58.8 58.7 58.90 ± 0.23 58.8	5	1.4 ± 0.5	<sup>A</sup> 0.20 ± 0.07 <sup>A</sup> 0.51 ± 0.13 <sup>A</sup> 0.70 ± 0.27 <sup>A</sup> 0.20 ± 0.07	( 40 )	190 ± 80 10 ± 2.5 190 ± 80	L = 0 GT = 200	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
59.4			0.048 ± 0.01		260 ± 78.0		73SILBERT
( 60.2 )			( 0.01 )		( 2100 )		73SILBERT
( 60.8 )			( 0.05 )		( 1000 )		73SILBERT
61.1 61.7 61.61 ± 0.65 61.1	4	2.3 ± 1.1	<sup>A</sup> 0.26 ± 0.13 <sup>A</sup> 0.03 ± 0.0045 <sup>A</sup> 0.37 ± 0.18 <sup>A</sup> 0.26 ± 0.13	( 40 )	711 ± 300 500 ± 75.0 711 ± 300	L = 0 GT = 730	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
64.2 64.2	5	0.58 ± 0.58	<sup>A</sup> 0.08 ± 0.08 <sup>A</sup> 0.08 ± 0.08	( 40 )	1035 ± 1000 1035 ± 1000	L = 0	JENDL-3 83BENJAMIN+
65.9 65.7 65.58 ± 0.25 65.9	5	5.5 ± 0.6	<sup>A</sup> 0.74 ± 0.08 <sup>A</sup> 0.83 ± 0.083 <sup>A</sup> 1.07 ± 0.25 <sup>A</sup> 0.74 ± 0.08	( 40 )	242 ± 50 440 ± 44 242 ± 50	L = 0 GT = 260	JENDL-3 73SILBERT 83ANUFRIEV+ 83BENJAMIN+
( 67.1 )			( 0.10 )		( 50 )		73SILBERT
69.5 69.3 69.5	4	1.1 ± 1.1	<sup>A</sup> 0.12 ± 0.12 <sup>A</sup> 0.067 ± 0.01 <sup>A</sup> 0.12 ± 0.12	( 40 )	60 ± 58 210 ± 31.5 60 ± 58	L = 0	JENDL-3 73SILBERT 83BENJAMIN+
74.6 74.6	5	0.94 ± 1.18	<sup>A</sup> 0.12 ± 0.15 <sup>A</sup> 0.12 ± 0.15	( 40 )	1165 ± 1000 1165 ± 1000	L = 0	JENDL-3 83BENJAMIN+
75.5 75.5	4	1.54 ± 0.97	<sup>A</sup> 0.16 ± 0.10 <sup>A</sup> 0.16 ± 0.10	( 40 )	130 ± 100 130 ± 100	L = 0	JENDL-3 83BENJAMIN+
77.4 77.4	5	1.7 ± 1.2	<sup>A</sup> 0.21 ± 0.15 <sup>A</sup> 0.21 ± 0.15	( 40 )	605 ± 400 605 ± 400	L = 0	JENDL-3 83BENJAMIN+
78.7 78.7	4	0.6 ± 0.6	<sup>A</sup> 0.06 ± 0.06 <sup>A</sup> 0.06 ± 0.06	( 40 )	44 ± 80 44 ± 80	L = 0	JENDL-3 83BENJAMIN+
79.7 79.7	5	3.0 ± 0.8	<sup>A</sup> 0.37 ± 0.10 <sup>A</sup> 0.37 ± 0.10	( 40 )	149 ± 40 149 ± 40	L = 0	JENDL-3 83BENJAMIN+
81.5 81.5	4	2.4 ± 1.0	<sup>A</sup> 0.24 ± 0.10 <sup>A</sup> 0.24 ± 0.10	( 40 )	40 ± 30 40 ± 30	L = 0	JENDL-3 83BENJAMIN+
85.2 85.2	5	2.9 ± 1.3	<sup>A</sup> 0.35 ± 0.15 <sup>A</sup> 0.35 ± 0.15	( 40 )	490 ± 200 490 ± 200	L = 0	JENDL-3 83BENJAMIN+
86.6 86.6	4	0.3 ± 0.1	<sup>A</sup> 0.03 ± 0.10 <sup>A</sup> 0.03 ± 0.10	( 40 )	150 ± 300 150 ± 300	L = 0	JENDL-3 83BENJAMIN+
88.0 88.0	5	3.6 ± 0.9	<sup>A</sup> 0.42 ± 0.10 <sup>A</sup> 0.42 ± 0.10	( 40 )	188 ± 50 188 ± 50	L = 0	JENDL-3 83BENJAMIN+
89.8 89.8	4	0.53 ± 3.8	<sup>A</sup> 0.05 ± 0.36 <sup>A</sup> 0.05 ± 0.36	( 40 )	10 ± 40 10 ± 40	L = 0	JENDL-3 83BENJAMIN+

\* A denotes  $2g\Gamma_n^{(0)}$

\*\* L: orbital angular momentum

GT: total width  $\Gamma$

WGN:  $2g\Gamma_n$

\*\*\* 73Silbert: Ref.(32)

74Dabbs+: Ref.(33)

83Anufriev+: Ref.(31)

83Benjamin+: Ref.(4)

Table 11 Energy dependence of unresolved resonance parameters and the calculated cross sections of  $^{249}\text{Cf}$

Fixed parameters:

$R = 9.08 \text{ fm}$	$\Gamma_f = 40 \text{ meV},$
$\Gamma_f^{(2-)} = 530 \text{ meV}$	$\Gamma_f^Y(3+) = 381 \text{ meV}$
$\Gamma_f^{(3-)} = 756 \text{ meV}$	$\Gamma_f^{(4+)} = 586 \text{ meV}$
$\Gamma_f^{(4-)} = 293 \text{ meV}$	$\Gamma_f^{(5+)} = 238 \text{ meV}$
$\Gamma_f^{(5-)} = 483 \text{ meV}$	$\Gamma_f^{(6+)} = 409 \text{ meV}$
$\Gamma_f^{(6-)} = 204 \text{ meV}$	
$\Gamma_f^{(7-)} = 354 \text{ meV}$	

Energy dependent parameters: the energy dependences of the following parameters are given as the ratio to the initial guess values given below

$$S_0 = 1.06 \times 10^{-4}, \quad S_1 = 3.15 \times 10^{-4}, \quad S_2 = 0.83 \times 10^{-5}$$

$$D_{\text{obs}} = 1.44 \text{ eV}$$

$E_n$ (keV)	$S_0 S_1 S_2$	$D_{\text{obs}}$	$\sigma_t$ (b)	$\sigma_c$ (b)	$\sigma_f$ (b)
0.07	0.47	1.0	34.9	6.04	18.0
0.08	0.62	1.0	40.5	7.30	22.0
0.1	0.92	1.0	50.7	9.40	29.0
0.125	1.45	1.0	67.1	12.47	40.0
0.175	0.80	1.0	36.8	6.10	20.0
0.25	1.29	1.0	46.2	7.65	25.0
0.3	1.25	1.0	42.0	6.70	22.0
0.4	1.11	1.0	34.8	5.16	17.0
0.5	1.10	1.0	32.1	4.52	15.0
0.6	1.08	1.0	30.0	4.03	13.5
0.8	1.02	1.0	26.4	3.26	11.0
1.0	1.04	1.0	25.0	2.93	10.0
1.25	1.11	1.0	24.5	2.73	9.5
1.5	1.09	1.0	23.0	2.43	8.5
1.75	1.02	1.0	21.4	2.12	7.4

(Table 11 Continue)

$E_n$ (keV)	$S_0 S_1 S_2$	$D_{obs}$	$\sigma_t$ (b)	$\sigma_c$ (b)	$\sigma_f$ (b)
2.0	1.03	1.0	20.8	1.99	7.0
3.0	0.99	0.99	18.8	1.57	5.6
4.0	0.98	0.99	17.7	1.36	4.9
5.0	0.97	0.99	17.0	1.22	4.4
6.0	0.95	0.99	16.3	1.11	4.0
8.0	0.95	0.98	15.7	0.99	3.6
10	0.97	0.98	15.4	0.93	3.4
15	0.96	0.97	14.7	0.81	3.0
20	0.95	0.96	14.3	0.75	2.8
30	1.0	0.94	14.1	0.69	2.7



Table 12 Capture and Fission resonance integrals of  $^{249}\text{Cf}$ 

	(barns)	
	Capture	Fission
Experimental		
70Halperin <sup>26)</sup>		2940
71Halperin <sup>27)</sup>	765 ± 35	
72Benjamin <sup>28)</sup>		2114 ± 70
74Dabbs <sup>33)</sup>		1630
75Zhuravlev <sup>30)</sup>		1715 ± 80
76Gavrilov <sup>3)</sup>	720 ± 120	1800 ± 200
84Anufriev <sup>31)</sup>	800 ± 80 ( $E_c=0.45\text{eV}$ )	
Recommended		
BNL-325 (3) <sup>7)</sup>	765 ± 35	2114 ± 70
Present	695	2217

Table 13 Level density parameters of Cf-isotopes

Isotope	246	247	248	249	250
a (MeV <sup>-1</sup> )	24.22	24.27	24.21	24.42	24.68
$\sigma_M^2/\sqrt{U}$ (MeV <sup>-1/2</sup> )	17.16	17.22	17.25	17.37	17.51
$\Delta$ (MeV)	1.27	0.77	1.16	0.72	1.673
Ex (MeV)	4.38	3.83	4.26	3.82	4.77
T (MeV)	0.433	0.433	0.433	0.431	0.428

Table 14 Level scheme of  $^{249}\text{Cf}$ 

No	Energy (keV)	$I^\pi$	No	Energy (keV)	$I^\pi$
GS	0.0	$9/2^-$	7	379.5	$7/2^+$
1	62.47	$11/2^-$	8	416.6	$1/2^+$
2	136.2	$13/2^-$	9	437.5	$9/2^+$
3	145.0	$5/2^+$	10	440.0	$3/2^+$
4	188.0	$7/2^+$	11	443.0	$7/2^+$
5	219.0	$(15/2^-)^*$	12	460.0	$5/2^+$
6	243.1	$9/2^+$	13	500.6	$9/2^+$

Levels above 550 keV are assumed to be overlapping

\* Tentatively assigned by the present authors.

Table 15 Q-values and threshold energies of (n,xn) reaction cross sections for  $^{249}\text{Cf}$ 

Reaction	Q-value (MeV)	Threshold energy (MeV)
n,2n	- 5.5931	5.6157
n,3n	-12.5718	12.6230
n,4n	-18.5897	18.6650

$^{249}\text{Bk}$  FISSION

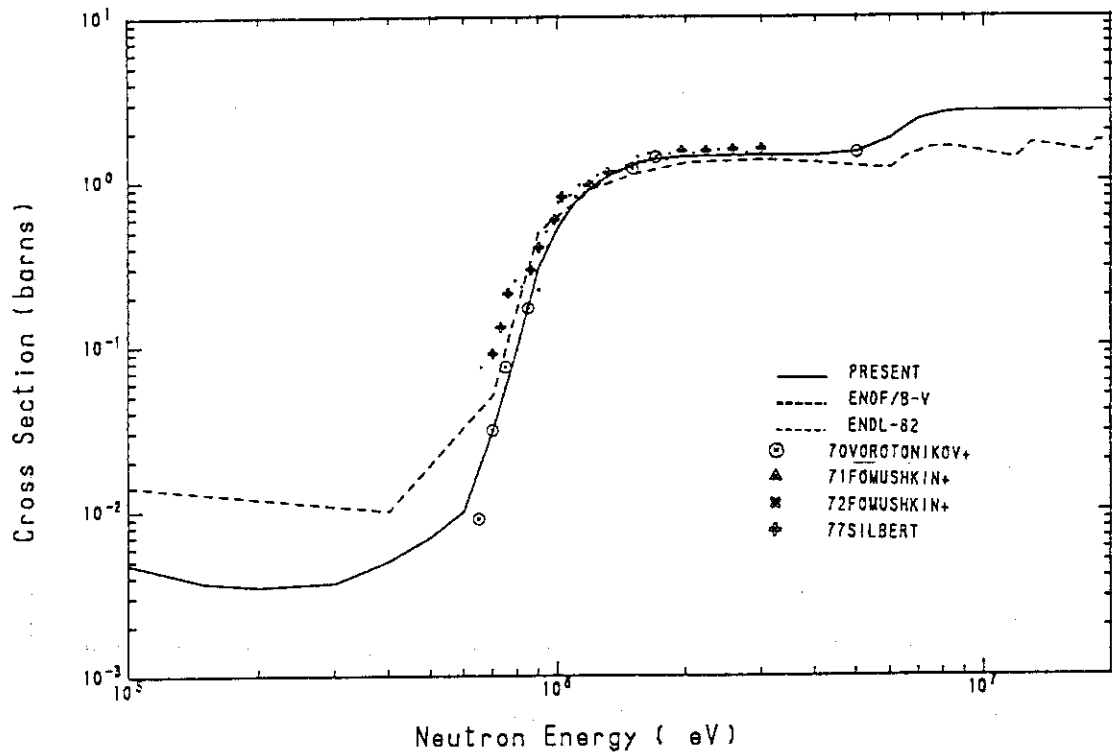


Fig. 1 Fission cross section of  $^{249}\text{Bk}$

$^{249}\text{Bk}$  TOTAL

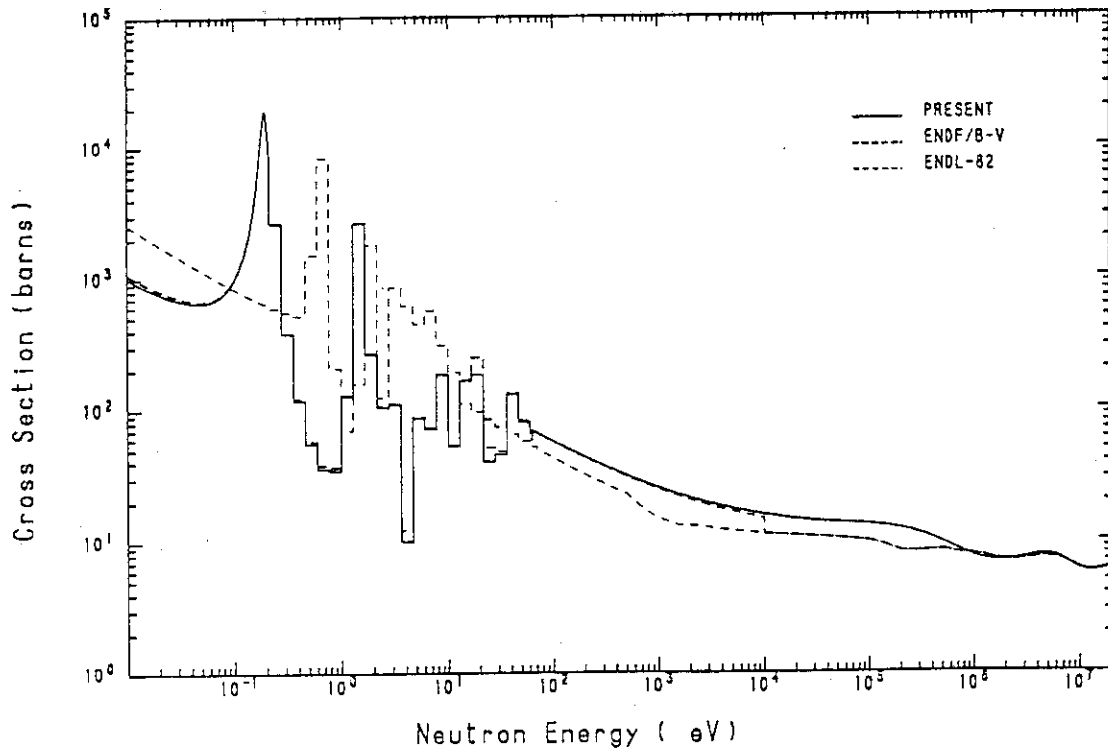


Fig. 2 Total cross section of  $^{249}\text{Bk}$

$^{249}\text{Bk}$  CAPTURE

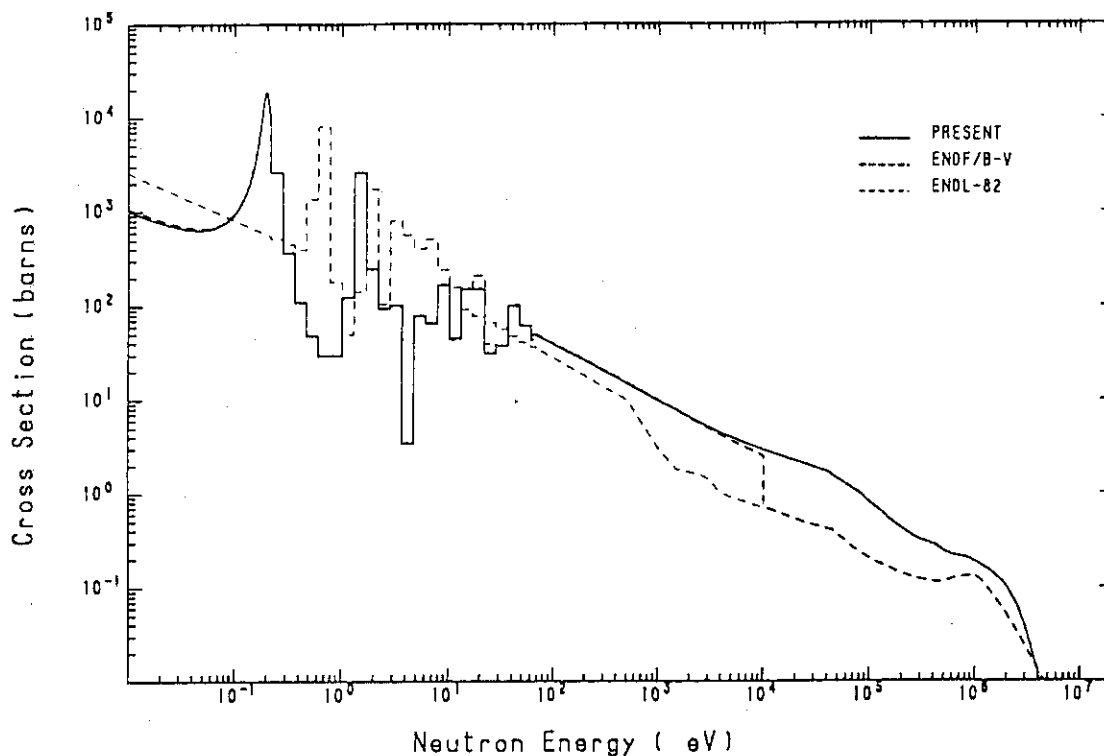


Fig. 3 Capture cross section of  $^{249}\text{Bk}$

$^{249}\text{Bk}$  Inelastic, (n,2n) And (n,3n)

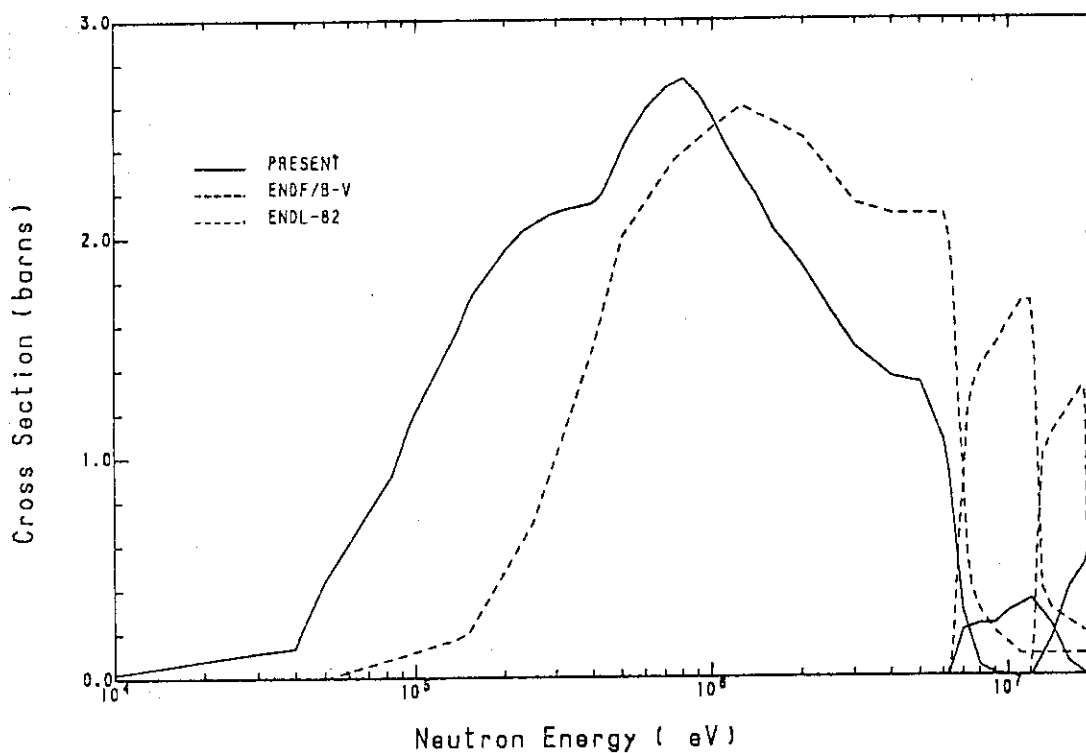


Fig. 4 Inelastic scattering, (n,2n) and (n,3n) reaction cross sections of  $^{249}\text{Bk}$

BK 249

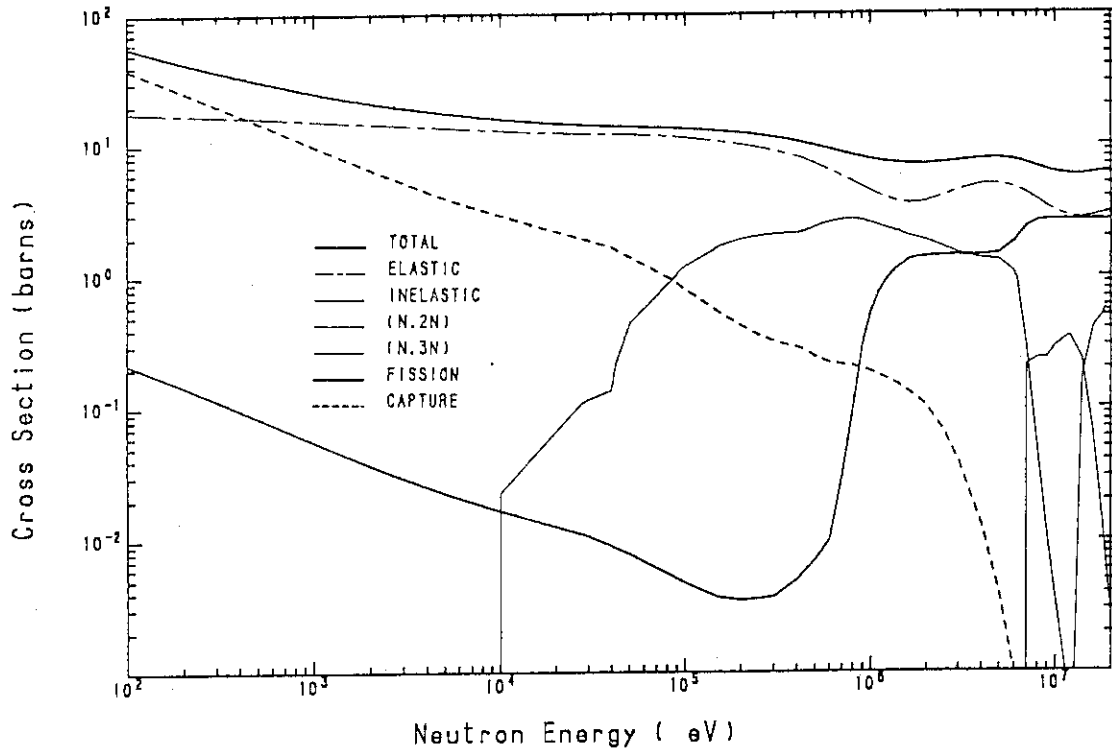


Fig. 5 Evaluated cross sections of  $^{249}\text{Bk}$

$^{249}\text{Cf}$  FISSION

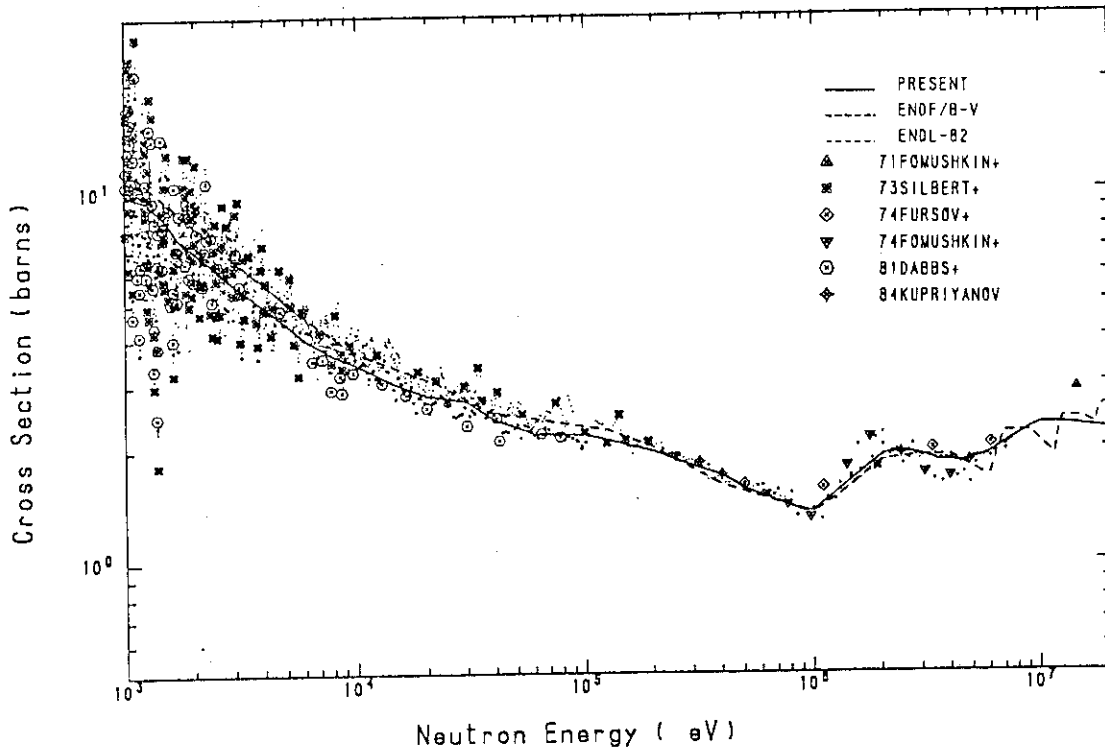


Fig. 6 Fission cross section of  $^{249}\text{Cf}$

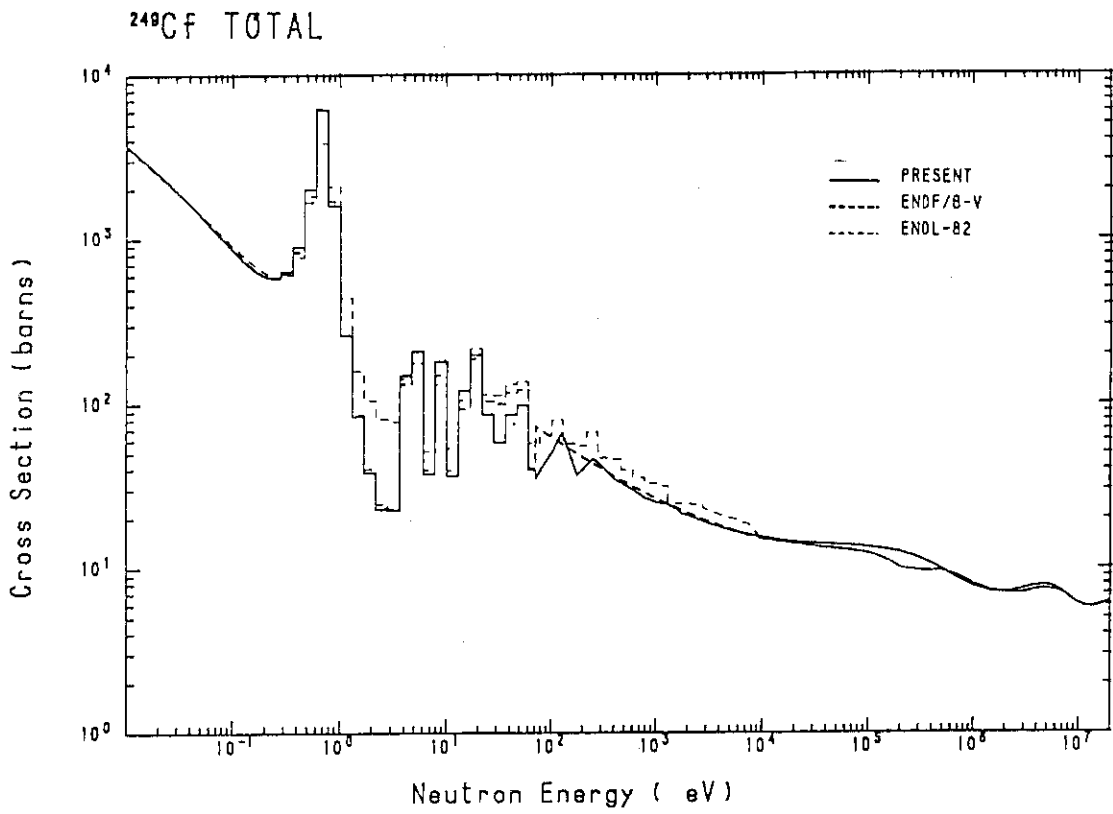


Fig. 7 Total cross section of  $^{249}\text{Cf}$

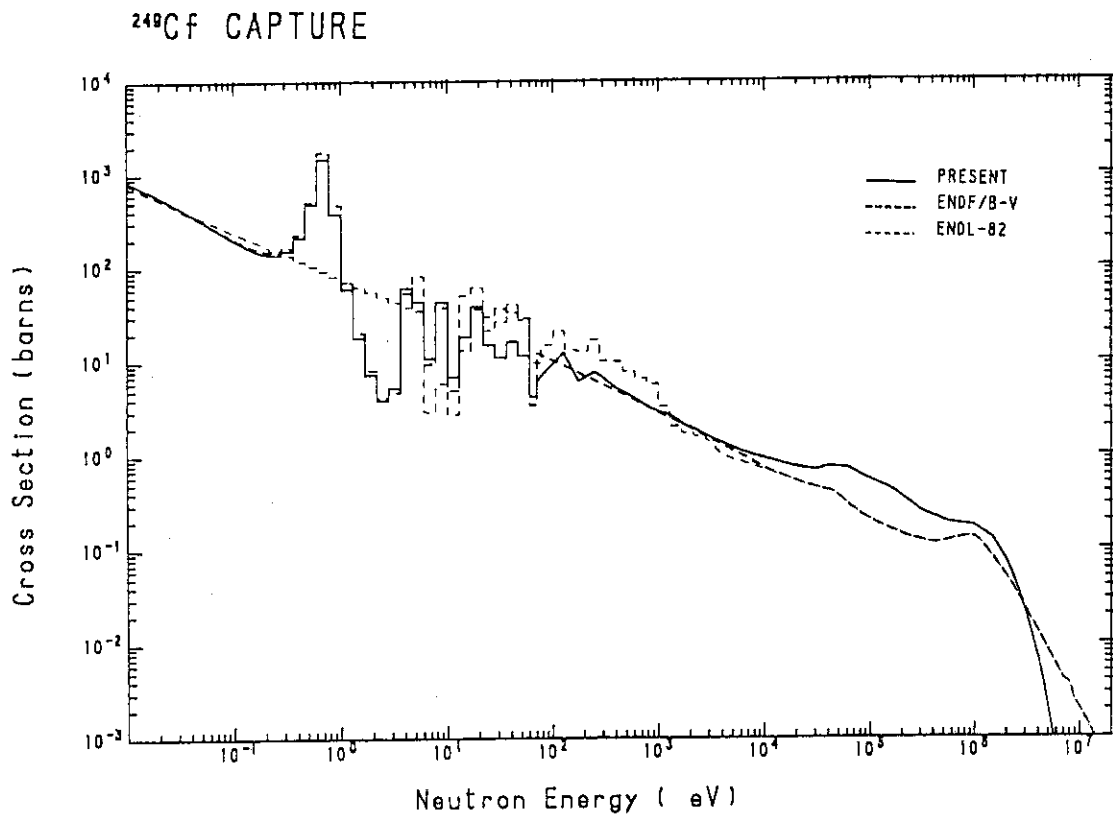


Fig. 8 Capture cross section of  $^{249}\text{Cf}$

$^{249}\text{Cf}$  Inelastic, (n,2n) And (n,3n)

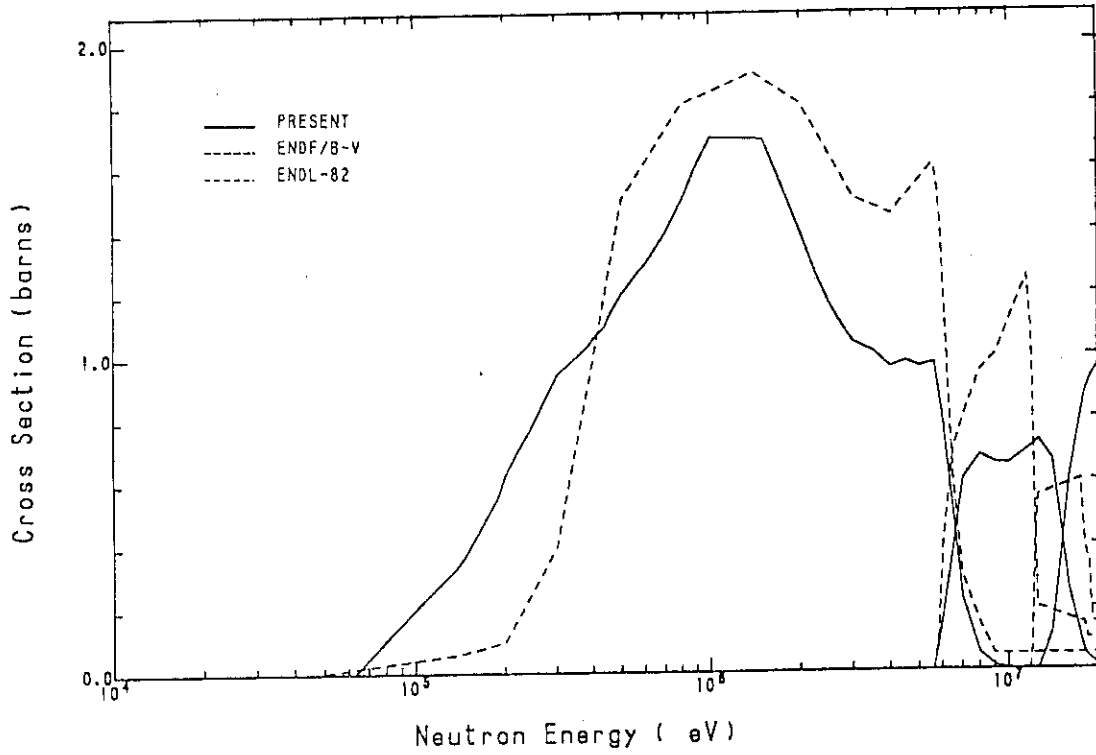


Fig. 9 Inelastic scattering, (n,2n) and (n,3n) reaction cross sections of  $^{249}\text{Cf}$

CF 249

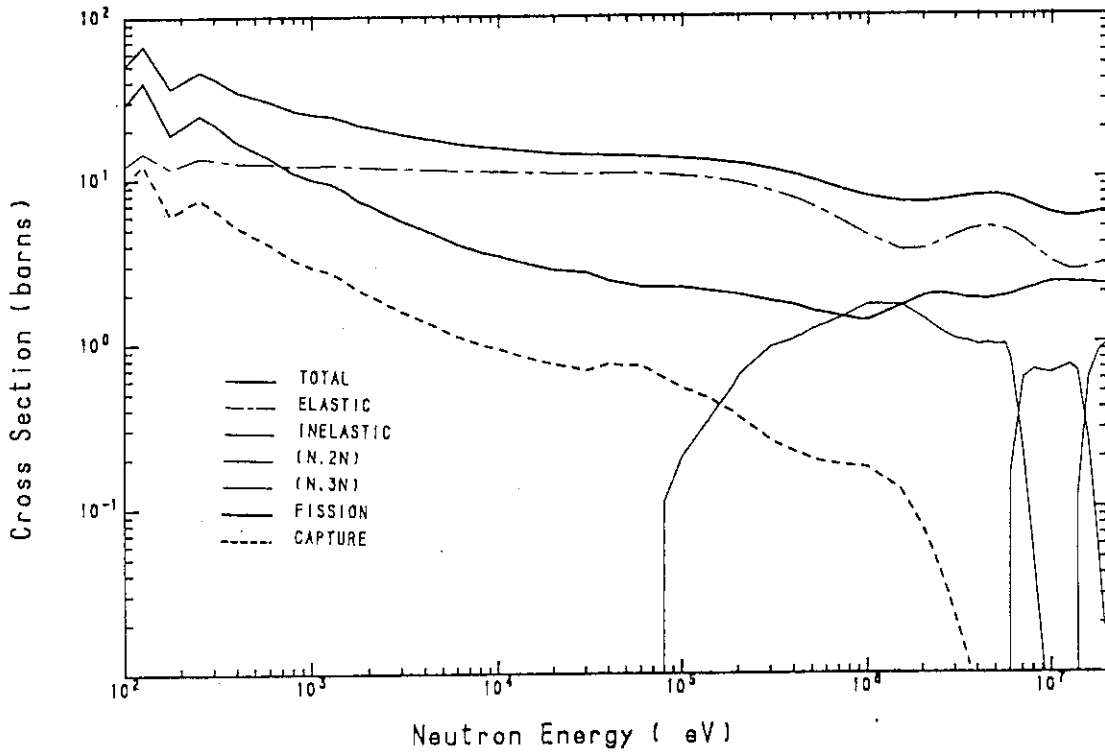


Fig. 10 Evaluated cross sections of  $^{249}\text{Cf}$

Appendix

List of present results in the ENDF/B format



BK-249	JENDL-3	19/2/85				0	0
9.72490+	4 2.46935+	2	1	1	0	09749	1451 1
0.0	+ 0 0.0	+ 0	0	0	0	09749	1451 2
0.0	+ 0 0.0	+ 0	0	0	110	619749	1451 3
97-BK-249	JAERI	EVAL-MAR85	Y.KIKUCHI	AND	T.NAKAGAWA	9749	1451 4
JAERI-M85-		DIST-				9749	1451 5
HISTORY						9749	1451 6
85-03	NEW EVALUATION FOR JENDL-3	WAS MADE BY	Y.KIKUCHI	AND		9749	1451 7
	T.NAKAGAWA (JAERI).	DETAILS ARE GIVEN IN	REF. /1/.			9749	1451 8
						9749	1451 9
MF=1	GENERAL INFORMATION					9749	1451 10
MT=451	COMMENTS AND DICTIONARY					9749	1451 11
MT=452	NUMBER OF NEUTRONS PER FISSION					9749	1451 12
	SEMI-EMPIRICAL FORMULA BY HOWERTON /2/.					9749	1451 13
MT=455	DELAYED NEUTRON DATA					9749	1451 14
	SEMI-EMPIRICAL FORMULA BY TUTTLE /3/.					9749	1451 15
						9749	1451 16
MF=2,MT=151	RESONANCE PARAMETERS					9749	1451 17
	RESOLVED RESONANCES FOR MLBW FORMULA : 1.0E-5 EV TO 60 EV					9749	1451 18
	RESONANCE ENERGIES, NEUTRON AND REDIATIVE WIDTHS WERE TAKEN					9749	1451 19
	FROM THE EXPERIMENTAL DATA OF BENJAMIN+ /4/. FOR RESONANCES					9749	1451 20
	WHOSE RADIATIVE WIDTH WAS UNKNOWN, THE AVERAGE VALUE OF 0.0357					9749	1451 21
	EV /4/ WAS ADOPTED. FISSION WIDTH OF 0.0002 EV WAS ESTIMATED					9749	1451 22
	FROM THE THERMAL FISSION CROSS SECTION, WHICH WAS ESTIMATED					9749	1451 23
	FROM THE SYSTEMATICS OF CAPTURE TO FISSION RATIO BY PRINCE/5/.					9749	1451 24
	THE PARAMETERS OF THE NEGATIVE RESONANCE WERE ADJUSTED SO AS					9749	1451 25
	REPRODUCE THE THERMAL CROSS SECTIONS. NO BACKGROUND CORRECTION					9749	1451 26
	WAS APPLIED.					9749	1451 27
						9749	1451 28
	UNRESOLVED RESONANCES : 60 EV - 30 KEV					9749	1451 29
	OBTAINED FROM OPTICAL MODEL CALCULATION:					9749	1451 30
	S1=3.0E-4 ,S2=0.83E-4 ,R=9.07 FM.					9749	1451 31
	ESTIMATED FROM RESOLVED RESONANCES:					9749	1451 32
	DOBS=1.16 EV, GAM-G=35.7 MILLI-EV ,S0=1.13E-4					9749	1451 33
	GAM-F=0.2 MILLI-EV.					9749	1451 34
						9749	1451 35
	CALCULATED 2200 M/S CROSS SECTIONS AND RESONANCE INTEGRALS					9749	1451 36
		2200 M/S VALUE		RES. INT.		9749	1451 37
TOTAL	717.5	B		-		9749	1451 38
ELASTIC	3.93	B		-		9749	1451 39
FISSION	3.96	B		12.1 B		9749	1451 40
CAPTURE	709.6	B		1126 B		9749	1451 41
						9749	1451 42
MF=3	NEUTRON CROSS SECTIONS					9749	1451 43
MT=1,2,4,51-68,91,102,251	SIG-T,SIG-EL,SIG-IN,SIG-C,MU-BAR					9749	1451 44
	CALCULATED WITH OPTICAL AND STATISTICAL MODELS.					9749	1451 45
	OPTICAL POTENTIAL PARAMETERS WERE OBTAINED BY FITTING THE					9749	1451 46
	TOTAL CROSS SECTION OF PHILLIPS AND HOWE /6/ FOR AM-241:					9749	1451 47
	V = 43.4 - 0.107*EN (MEV)					9749	1451 48
	WS= 6.95 - 0.339*EN + 0.0531*EN**2 (MEV)					9749	1451 49
	WV= 0 , VSO = 7.0 (MEV)					9749	1451 50
	R = RSO = 1.282 , RS = 1.29 (FM)					9749	1451 51
	A = ASO = 0.60 , B = 0.5 (FM)					9749	1451 52
	STATISTICAL MODEL CALCULATION WITH CASTHY CODE /7/.					9749	1451 53
	COMPETING PROCESSES : FISSION,(N,2N),(N,3N),(N,4N).					9749	1451 54
	LEVEL FLUCTUATION CONSIDERED.					9749	1451 55
	THE LEVEL SCHEME TAKEN FROM REF. /8/.					9749	1451 56
		NO.	ENERGY(KEV)	SPIN-PARITY		9749	1451 57
	G.S.		0	7/2 +		9749	1451 58
	1		8.8	3/2 -		9749	1451 59
	2		39.6	5/2 -		9749	1451 60
	3		41.8	9/2 +		9749	1451 61
	4		82.6	7/2 -		9749	1451 62
	5		93.74	11/2 +		9749	1451 63
	6		137.7	9/2 -		9749	1451 64
	7		155.84	13/2 +		9749	1451 65
	8		204.6	11/2 -		9749	1451 66
	9		229.3	15/2 +		9749	1451 67
	10		283.0	13/2 -		9749	1451 68
	11		313.0	17/2 +		9749	1451 69
	12		372.8	15/2 -		9749	1451 70
	13		377.6	1/2 +		9749	1451 71

14	389.2	5/2 +	9749 1451	72
15	410.6	3/2 +	9749 1451	73
16	421.3	5/2 +	9749 1451	74
17	428.9	7/2 +	9749 1451	75
18	474.9	9/2 +	9749 1451	76
CONTINUUM LEVELS ASSUMED ABOVE 519 KEV.			9749 1451	77
THE LEVEL DENSITY PARAMETERS : GILBERT AND CAMERON /9/.			9749 1451	78
GAMMA-RAY STRENGTH FUNCTION OF 3.2E-2 DEDUCED FROM			9749 1451	79
RESONANCE PARAMETERS.			9749 1451	80
			9749 1451	81
MT=16,17,37	(N,2N),(N,3N),(N,4N)		9749 1451	82
CALCULATED WITH EVAPORATION MODEL.			9749 1451	83
			9749 1451	84
MT=18	FISSION		9749 1451	85
EVALUATED ON THE BASIS OF THE MEASURED DATA BY SILBERT/10/			9749 1451	86
,VOROTNIKOV+/11/ AND FOMUSHKIN+ /12/.			9749 1451	87
			9749 1451	88
MF=4	ANGULAR DISTRIBUTIONS OF SECONDARY NEUTRONS		9749 1451	89
MT=2,51-68	CALCULATED WITH OPTICAL MODEL.		9749 1451	90
MT=16,17,18,37,91	ISOTROPIC IN THE LABORATORY SYSTEM.		9749 1451	91
			9749 1451	92
MF=5	ENERGY DISTRIBUTIONS OF SECONDARY NEUTRONS		9749 1451	93
MT=16,17,37,91	EVAPORATION SPECTRUM.		9749 1451	94
MT=18	MAXWELLIAN FISSION SPECTRUM.		9749 1451	95
TEMPERATURE ESTIMATED FROM SYSTEMATICS OF			9749 1451	96
SMITH+/13/.			9749 1451	97
			9749 1451	98
			9749 1451	99
REFERENCES			9749 1451	100
1)	KIKUCHI Y. AND NAKAGAWA T. : JAERI-M85-*** (1985).		9749 1451	101
2)	HOWERTON R.J. : NUCL.SCI.ENG.,62,438(1977).		9749 1451	102
3)	TUTTLE R.J. : INDG(NDS)-107/G+SPECIAL,P.29 (1979).		9749 1451	103
4)	BENJAMIN R.W. ET AL. : NUCL.SCI.ENG.,85,261(1983).		9749 1451	104
5)	PRINCE A. : TRANS.AM.NUCL.SOC.,10,228(1967)		9749 1451	105
6)	PHILLIPS T.W. AND HOWE F.R. : NUCL.SCI.ENG.,69,375(1979).		9749 1451	106
7)	IGARASI S. : J.NUCL.SCI. TECHNOL.,12,67 (1975).		9749 1451	107
8)	LEDERER C.M. AND SHIRLEY V.S. : TABLE OF ISOTOPES , 7TH ED.		9749 1451	108
9)	GILBERT A. AND CAMERON A.G.W. : CAN.J.PHYS.,43,1446 (1965).		9749 1451	109
10)	SILBERT M.G. : NUCL.SCI.ENG.,63,198(1977).		9749 1451	110
11)	VOROTNIKOV I.V. ET AL. : SOV.J.NUCL.PHYS.,10,419(1970)		9749 1451	111
12)	FOMSHKIN E.F. ET AL. : SOV.J.NUCL.PHYS.,14,41(1972).		9749 1451	112
13)	SMITH A.B. ET AL. : ANL/NDM-50 (1979).		9749 1451	113
			9749 1451	114
	1	451	174	9749 1451
	1	452	3	9749 1451
	1	455	7	9749 1451
	2	151	338	9749 1451
	3	1	47	9749 1451
	3	2	44	9749 1451
	3	4	22	9749 1451
	3	16	7	9749 1451
	3	17	6	9749 1451
	3	18	17	9749 1451
	3	37	4	9749 1451
	3	51	22	9749 1451
	3	52	21	9749 1451
	3	53	21	9749 1451
	3	54	20	9749 1451
	3	55	20	9749 1451
	3	56	19	9749 1451
	3	57	18	9749 1451
	3	58	18	9749 1451
	3	59	17	9749 1451
	3	60	17	9749 1451
	3	61	16	9749 1451
	3	62	16	9749 1451
	3	63	16	9749 1451
	3	64	15	9749 1451
	3	65	15	9749 1451
	3	66	14	9749 1451
	3	67	14	9749 1451
	3	68	14	9749 1451
	3	91	13	9749 1451

				3	102		23		9749	1451	144			
				3	251		23		9749	1451	145			
				4	2		261		9749	1451	146			
				4	16		10		9749	1451	147			
				4	17		10		9749	1451	148			
				4	18		10		9749	1451	149			
				4	37		10		9749	1451	150			
				4	51		20		9749	1451	151			
				4	52		20		9749	1451	152			
				4	53		20		9749	1451	153			
				4	54		20		9749	1451	154			
				4	55		20		9749	1451	155			
				4	56		20		9749	1451	156			
				4	57		20		9749	1451	157			
				4	58		20		9749	1451	158			
				4	59		20		9749	1451	159			
				4	60		20		9749	1451	160			
				4	61		20		9749	1451	161			
				4	62		20		9749	1451	162			
				4	63		20		9749	1451	163			
				4	64		20		9749	1451	164			
				4	65		20		9749	1451	165			
				4	66		20		9749	1451	166			
				4	67		20		9749	1451	167			
				4	68		20		9749	1451	168			
				4	91		10		9749	1451	169			
				5	16		17		9749	1451	170			
				5	17		22		9749	1451	171			
				5	18		7		9749	1451	172			
				5	37		25		9749	1451	173			
				5	91		10		9749	1451	174			
									9749	1	0	175		
9.72490+	4	2.46935+	2	0	1		0		09749	1452	176			
0.0	+	0 0.0	+	0	0		2		09749	1452	177			
3.41000+	0	2.14000-	7						9749	1452	178			
									9749	1	0	179		
9.72490+	4	2.46935+	2	0	2		0		09749	1455	180			
0.0	+	0 0.0	+	0	0		6		09749	1455	181			
1.29000-	2	3.13000-	2	1.35000-	1	3.33000-	1	1.36000+	0	4.04000+	09749	1455	182	
0.0	+	0 0.0	+	0	0		0		1		49749	1455	183	
	4		2	0	0		0		0		09749	1455	184	
1.00000-	5	8.90000-	3	6.00000+	6	8.90000-	3	8.00000+	6	6.10000-	39749	1455	185	
2.00000+	7	6.10000-	3								9749	1455	186	
											9749	1	0	187
											9749	0	0	188
9.72490+	4	2.46935+	2	0	0		1		09749	2151	189			
9.72490+	4	1.00000+	0	0	0		2		09749	2151	190			
1.00000-	5	6.00000+	1	1	2		0		09749	2151	191			
3.50000+	0	7.73894-	1	0	0		1		09749	2151	192			
2.46935+	2	0.0	+	0	0		240		409749	2151	193			
-1.67000-	1	4.00000+	0	3.59175-	2	1.75000-	5	3.57000-	2	2.00000-	49749	2151	194	
1.95000-	1	3.00000+	0	3.62170-	2	1.17000-	4	3.59000-	2	2.00000-	49749	2151	195	
1.33800+	0	3.00000+	0	3.54980-	2	1.98000-	4	3.51000-	2	2.00000-	49749	2151	196	
1.60000+	0	4.00000+	0	3.39730-	2	5.73000-	4	3.32000-	2	2.00000-	49749	2151	197	
2.14900+	0	4.00000+	0	3.70070-	2	1.07000-	4	3.67000-	2	2.00000-	49749	2151	198	
3.11200+	0	3.00000+	0	3.73450-	2	1.45000-	4	3.70000-	2	2.00000-	49749	2151	199	
5.01900+	0	4.00000+	0	4.47310-	2	2.31000-	4	4.43000-	2	2.00000-	49749	2151	200	
6.28100+	0	4.00000+	0	3.41470-	2	1.47000-	4	3.38000-	2	2.00000-	49749	2151	201	
7.04300+	0	4.00000+	0	3.93650-	2	1.65000-	4	3.90000-	2	2.00000-	49749	2151	202	
7.99200+	0	4.00000+	0	3.77120-	2	1.41200-	3	3.61000-	2	2.00000-	49749	2151	203	
1.05900+	1	3.00000+	0	3.60710-	2	1.71000-	4	3.57000-	2	2.00000-	49749	2151	204	
1.16900+	1	3.00000+	0	3.65800-	2	6.80000-	4	3.57000-	2	2.00000-	49749	2151	205	
1.42900+	1	4.00000+	0	3.65990-	2	6.99000-	4	3.57000-	2	2.00000-	49749	2151	206	
1.50100+	1	4.00000+	0	3.79700-	2	2.07000-	3	3.57000-	2	2.00000-	49749	2151	207	
1.57300+	1	3.00000+	0	3.73050-	2	1.40500-	3	3.57000-	2	2.00000-	49749	2151	208	
1.81600+	1	3.00000+	0	3.67470-	2	8.47000-	4	3.57000-	2	2.00000-	49749	2151	209	
1.90200+	1	4.00000+	0	3.63190-	2	4.19000-	4	3.57000-	2	2.00000-	49749	2151	210	
1.98500+	1	3.00000+	0	4.34100-	2	7.50999-	3	3.57000-	2	2.00000-	49749	2151	211	
2.11000+	1	4.00000+	0	3.64060-	2	5.06000-	4	3.57000-	2	2.00000-	49749	2151	212	
2.40600+	1	4.00000+	0	3.68240-	2	9.24000-	4	3.57000-	2	2.00000-	49749	2151	213	
2.46700+	1	3.00000+	0	3.74400-	2	1.54000-	3	3.57000-	2	2.00000-	49749	2151	214	
3.02400+	1	4.00000+	0	3.69300-	2	1.03000-	3	3.57000-	2	2.00000-	49749	2151	215	

3.07100+	1	3.00000+	0	3.77700-	2	1.87000-	3	3.57000-	2	2.00000-	49749	2151	216
3.58300+	1	4.00000+	0	3.80400-	2	2.14000-	3	3.57000-	2	2.00000-	49749	2151	217
3.69300+	1	3.00000+	0	4.87200-	2	1.28200-	2	3.57000-	2	2.00000-	49749	2151	218
4.03100+	1	4.00000+	0	4.12300-	2	5.33000-	3	3.57000-	2	2.00000-	49749	2151	219
4.09900+	1	3.00000+	0	3.77100-	2	1.81000-	3	3.57000-	2	2.00000-	49749	2151	220
4.37600+	1	4.00000+	0	3.77900-	2	1.89000-	3	3.57000-	2	2.00000-	49749	2151	221
4.47700+	1	3.00000+	0	4.00600-	2	4.16000-	3	3.57000-	2	2.00000-	49749	2151	222
4.67600+	1	4.00000+	0	4.24400-	2	6.54000-	3	3.57000-	2	2.00000-	49749	2151	223
5.18500+	1	4.00000+	0	3.88200-	2	2.92000-	3	3.57000-	2	2.00000-	49749	2151	224
5.40600+	1	4.00000+	0	3.82400-	2	2.34000-	3	3.57000-	2	2.00000-	49749	2151	225
5.66700+	1	3.00000+	0	4.14100-	2	5.51000-	3	3.57000-	2	2.00000-	49749	2151	226
5.79100+	1	4.00000+	0	4.14600-	2	5.56000-	3	3.57000-	2	2.00000-	49749	2151	227
6.11900+	1	3.00000+	0	3.93500-	2	3.45000-	3	3.57000-	2	2.00000-	49749	2151	228
6.17600+	1	4.00000+	0	3.71900-	2	1.29000-	3	3.57000-	2	2.00000-	49749	2151	229
8.16900+	1	3.00000+	0	4.82000-	2	1.23000-	2	3.57000-	2	2.00000-	49749	2151	230
8.34700+	1	4.00000+	0	3.92900-	2	3.39000-	3	3.57000-	2	2.00000-	49749	2151	231
8.47700+	1	4.00000+	0	3.88300-	2	2.93000-	3	3.57000-	2	2.00000-	49749	2151	232
9.89800+	1	3.00000+	0	4.09000-	2	5.00000-	3	3.57000-	2	2.00000-	49749	2151	233
6.00000+	1	3.00000+	4		2		2		0		09749	2151	234
3.50000+	0	9.07310-	1		0		0		3		09749	2151	235
2.46935+	2	0.0	+ 0		0		0		2		09749	2151	236
3.00000+	0	0.0	+ 0		2		0	138			229749	2151	237
0.0	+ 0	0.0	+ 0	1.00000+	0	1.00000+	0	0.0	+ 0	1.00000+	09749	2151	238
6.00000+	1	2.65660+	0	0.0	+ 0	3.00200-	4	3.57000-	2	2.05190-	49749	2151	239
8.00000+	1	2.65650+	0	0.0	+ 0	3.00190-	4	3.57000-	2	2.05190-	49749	2151	240
1.00000+	2	2.65640+	0	0.0	+ 0	3.00180-	4	3.57000-	2	2.05190-	49749	2151	241
1.50000+	2	2.65620+	0	0.0	+ 0	3.00150-	4	3.57000-	2	2.05190-	49749	2151	242
2.00000+	2	2.65590+	0	0.0	+ 0	3.00120-	4	3.57000-	2	2.05190-	49749	2151	243
3.00000+	2	2.65540+	0	0.0	+ 0	3.00060-	4	3.57000-	2	2.05190-	49749	2151	244
4.00000+	2	2.65490+	0	0.0	+ 0	3.00000-	4	3.57000-	2	2.05190-	49749	2151	245
5.00000+	2	2.65440+	0	0.0	+ 0	2.99940-	4	3.57000-	2	2.05190-	49749	2151	246
6.00000+	2	2.65390+	0	0.0	+ 0	2.99890-	4	3.57000-	2	2.05190-	49749	2151	247
8.00000+	2	2.65280+	0	0.0	+ 0	2.99770-	4	3.57000-	2	2.05190-	49749	2151	248
1.00000+	3	2.65180+	0	0.0	+ 0	2.99650-	4	3.57000-	2	2.05190-	49749	2151	249
1.50000+	3	2.64920+	0	0.0	+ 0	2.99360-	4	3.57000-	2	2.05190-	49749	2151	250
2.00000+	3	2.64670+	0	0.0	+ 0	2.99070-	4	3.57000-	2	2.05190-	49749	2151	251
3.00000+	3	2.64150+	0	0.0	+ 0	2.98490-	4	3.57000-	2	2.05190-	49749	2151	252
4.00000+	3	2.63640+	0	0.0	+ 0	2.97920-	4	3.57000-	2	2.05190-	49749	2151	253
5.00000+	3	2.63130+	0	0.0	+ 0	2.97340-	4	3.57000-	2	2.05190-	49749	2151	254
6.00000+	3	2.62620+	0	0.0	+ 0	2.96770-	4	3.57000-	2	2.05190-	49749	2151	255
8.00000+	3	2.61610+	0	0.0	+ 0	2.95620-	4	3.57000-	2	2.05190-	49749	2151	256
1.00000+	4	2.60600+	0	1.07410-	4	2.94480-	4	3.57000-	2	2.05190-	49749	2151	257
1.50000+	4	2.58090+	0	1.27380-	3	2.91640-	4	3.57000-	2	2.05190-	49749	2151	258
2.00000+	4	2.55610+	0	3.02350-	3	2.88830-	4	3.57000-	2	2.05190-	49749	2151	259
3.00000+	4	2.50710+	0	7.49030-	3	2.83300-	4	3.57000-	2	2.05190-	49749	2151	260
4.00000+	0	0.0	+ 0		2		0	138			229749	2151	261
0.0	+ 0	0.0	+ 0	0.0	+ 0	1.00000+	0	0.0	+ 0	1.00000+	09749	2151	262
6.00000+	1	2.06630+	0	0.0	+ 0	2.33490-	4	3.57000-	2	2.05190-	49749	2151	263
8.00000+	1	2.06620+	0	0.0	+ 0	2.33480-	4	3.57000-	2	2.05190-	49749	2151	264
1.00000+	2	2.06610+	0	0.0	+ 0	2.33470-	4	3.57000-	2	2.05190-	49749	2151	265
1.50000+	2	2.06590+	0	0.0	+ 0	2.33450-	4	3.57000-	2	2.05190-	49749	2151	266
2.00000+	2	2.06570+	0	0.0	+ 0	2.33420-	4	3.57000-	2	2.05190-	49749	2151	267
3.00000+	2	2.06530+	0	0.0	+ 0	2.33380-	4	3.57000-	2	2.05190-	49749	2151	268
4.00000+	2	2.06490+	0	0.0	+ 0	2.33330-	4	3.57000-	2	2.05190-	49749	2151	269
5.00000+	2	2.06450+	0	0.0	+ 0	2.33290-	4	3.57000-	2	2.05190-	49749	2151	270
6.00000+	2	2.06410+	0	0.0	+ 0	2.33240-	4	3.57000-	2	2.05190-	49749	2151	271
8.00000+	2	2.06330+	0	0.0	+ 0	2.33150-	4	3.57000-	2	2.05190-	49749	2151	272
1.00000+	3	2.06250+	0	0.0	+ 0	2.33060-	4	3.57000-	2	2.05190-	49749	2151	273
1.50000+	3	2.06050+	0	0.0	+ 0	2.32840-	4	3.57000-	2	2.05190-	49749	2151	274
2.00000+	3	2.05850+	0	0.0	+ 0	2.32610-	4	3.57000-	2	2.05190-	49749	2151	275
3.00000+	3	2.05450+	0	0.0	+ 0	2.32160-	4	3.57000-	2	2.05190-	49749	2151	276
4.00000+	3	2.05060+	0	0.0	+ 0	2.31710-	4	3.57000-	2	2.05190-	49749	2151	277
5.00000+	3	2.04660+	0	0.0	+ 0	2.31270-	4	3.57000-	2	2.05190-	49749	2151	278
6.00000+	3	2.04260+	0	0.0	+ 0	2.30820-	4	3.57000-	2	2.05190-	49749	2151	279
8.00000+	3	2.03470+	0	0.0	+ 0	2.29930-	4	3.57000-	2	2.05190-	49749	2151	280
1.00000+	4	2.02690+	0	0.0	+ 0	2.29040-	4	3.57000-	2	2.05190-	49749	2151	281
1.50000+	4	2.00740+	0	0.0	+ 0	2.26830-	4	3.57000-	2	2.05190-	49749	2151	282
2.00000+	4	1.98800+	0	0.0	+ 0	2.24650-	4	3.57000-	2	2.05190-	49749	2151	283
3.00000+	4	1.95000+	0	0.0	+ 0	2.20350-	4	3.57000-	2	2.05190-	49749	2151	284
2.46935+	2	0.0	+ 0		1		0		4		09749	2151	285
2.00000+	0	0.0	+ 0		2		0	138			229749	2151	286
0.0	+ 0	0.0	+ 0	1.00170+	0	1.00000+	0	0.0	+ 0	1.00000+	09749	2151	287

6.00000+	1	3.71930+	0	0.0	+ 0	1.11580-	3	3.57000-	2	2.05190-	49749	2151	288
8.00000+	1	3.71910+	0	0.0	+ 0	1.11570-	3	3.57000-	2	2.05190-	49749	2151	289
1.00000+	2	3.71900+	0	0.0	+ 0	1.11570-	3	3.57000-	2	2.05190-	49749	2151	290
1.50000+	2	3.71860+	0	0.0	+ 0	1.11560-	3	3.57000-	2	2.05190-	49749	2151	291
2.00000+	2	3.71830+	0	0.0	+ 0	1.11550-	3	3.57000-	2	2.05190-	49749	2151	292
3.00000+	2	3.71760+	0	0.0	+ 0	1.11530-	3	3.57000-	2	2.05190-	49749	2151	293
4.00000+	2	3.71680+	0	0.0	+ 0	1.11500-	3	3.57000-	2	2.05190-	49749	2151	294
5.00000+	2	3.71610+	0	0.0	+ 0	1.11480-	3	3.57000-	2	2.05190-	49749	2151	295
6.00000+	2	3.71540+	0	0.0	+ 0	1.11460-	3	3.57000-	2	2.05190-	49749	2151	296
8.00000+	2	3.71400+	0	0.0	+ 0	1.11420-	3	3.57000-	2	2.05190-	49749	2151	297
1.00000+	3	3.71250+	0	0.0	+ 0	1.11380-	3	3.57000-	2	2.05190-	49749	2151	298
1.50000+	3	3.70890+	0	0.0	+ 0	1.11270-	3	3.57000-	2	2.05190-	49749	2151	299
2.00000+	3	3.70530+	0	0.0	+ 0	1.11160-	3	3.57000-	2	2.05190-	49749	2151	300
3.00000+	3	3.69820+	0	0.0	+ 0	1.10940-	3	3.57000-	2	2.05190-	49749	2151	301
4.00000+	3	3.69100+	0	0.0	+ 0	1.10730-	3	3.57000-	2	2.05190-	49749	2151	302
5.00000+	3	3.68390+	0	0.0	+ 0	1.10520-	3	3.57000-	2	2.05190-	49749	2151	303
6.00000+	3	3.67670+	0	0.0	+ 0	1.10300-	3	3.57000-	2	2.05190-	49749	2151	304
8.00000+	3	3.66250+	0	0.0	+ 0	1.09880-	3	3.57000-	2	2.05190-	49749	2151	305
1.00000+	4	3.64840+	0	1.40680-	2	1.09450-	3	3.57000-	2	2.05190-	49749	2151	306
1.50000+	4	3.61330+	0	3.20590-	2	1.08400-	3	3.57000-	2	2.05190-	49749	2151	307
2.00000+	4	3.57850+	0	4.27360-	2	1.07350-	3	3.57000-	2	2.05190-	49749	2151	308
3.00000+	4	3.51000+	0	5.77510-	2	1.05300-	3	3.57000-	2	2.05190-	49749	2151	309
3.00000+	0	0.0	+ 0		2		0		138		229749	2151	310
0.0	+ 0	0.0	+ 0	2.00000+	0	2.00000+	0	0.0	+ 0	1.00000+	09749	2151	311
6.00000+	1	2.65660+	0	0.0	+ 0	7.96990-	4	3.57000-	2	2.05190-	49749	2151	312
8.00000+	1	2.65650+	0	0.0	+ 0	7.96960-	4	3.57000-	2	2.05190-	49749	2151	313
1.00000+	2	2.65640+	0	0.0	+ 0	7.96930-	4	3.57000-	2	2.05190-	49749	2151	314
1.50000+	2	2.65620+	0	0.0	+ 0	7.96850-	4	3.57000-	2	2.05190-	49749	2151	315
2.00000+	2	2.65590+	0	0.0	+ 0	7.96770-	4	3.57000-	2	2.05190-	49749	2151	316
3.00000+	2	2.65540+	0	0.0	+ 0	7.96620-	4	3.57000-	2	2.05190-	49749	2151	317
4.00000+	2	2.65490+	0	0.0	+ 0	7.96460-	4	3.57000-	2	2.05190-	49749	2151	318
5.00000+	2	2.65440+	0	0.0	+ 0	7.96310-	4	3.57000-	2	2.05190-	49749	2151	319
6.00000+	2	2.65390+	0	0.0	+ 0	7.96160-	4	3.57000-	2	2.05190-	49749	2151	320
8.00000+	2	2.65280+	0	0.0	+ 0	7.95850-	4	3.57000-	2	2.05190-	49749	2151	321
1.00000+	3	2.65180+	0	0.0	+ 0	7.95540-	4	3.57000-	2	2.05190-	49749	2151	322
1.50000+	3	2.64920+	0	0.0	+ 0	7.94770-	4	3.57000-	2	2.05190-	49749	2151	323
2.00000+	3	2.64670+	0	0.0	+ 0	7.94000-	4	3.57000-	2	2.05190-	49749	2151	324
3.00000+	3	2.64150+	0	0.0	+ 0	7.92460-	4	3.57000-	2	2.05190-	49749	2151	325
4.00000+	3	2.63640+	0	0.0	+ 0	7.90930-	4	3.57000-	2	2.05190-	49749	2151	326
5.00000+	3	2.63130+	0	0.0	+ 0	7.89400-	4	3.57000-	2	2.05190-	49749	2151	327
6.00000+	3	2.62620+	0	0.0	+ 0	7.87870-	4	3.57000-	2	2.05190-	49749	2151	328
8.00000+	3	2.61610+	0	0.0	+ 0	7.84830-	4	3.57000-	2	2.05190-	49749	2151	329
1.00000+	4	2.60600+	0	2.67700-	8	7.81800-	4	3.57000-	2	2.05190-	49749	2151	330
1.50000+	4	2.58090+	0	1.69990-	6	7.74270-	4	3.57000-	2	2.05190-	49749	2151	331
2.00000+	4	2.55610+	0	7.38840-	6	7.66820-	4	3.57000-	2	2.05190-	49749	2151	332
3.00000+	4	2.50710+	0	3.54380-	5	7.52130-	4	3.57000-	2	2.05190-	49749	2151	333
4.00000+	0	0.0	+ 0		2		0		138		229749	2151	334
0.0	+ 0	0.0	+ 0	1.00000+	0	2.00000+	0	0.0	+ 0	1.00000+	09749	2151	335
6.00000+	1	2.06630+	0	0.0	+ 0	6.19880-	4	3.57000-	2	2.05190-	49749	2151	336
8.00000+	1	2.06620+	0	0.0	+ 0	6.19860-	4	3.57000-	2	2.05190-	49749	2151	337
1.00000+	2	2.06610+	0	0.0	+ 0	6.19830-	4	3.57000-	2	2.05190-	49749	2151	338
1.50000+	2	2.06590+	0	0.0	+ 0	6.19770-	4	3.57000-	2	2.05190-	49749	2151	339
2.00000+	2	2.06570+	0	0.0	+ 0	6.19710-	4	3.57000-	2	2.05190-	49749	2151	340
3.00000+	2	2.06530+	0	0.0	+ 0	6.19590-	4	3.57000-	2	2.05190-	49749	2151	341
4.00000+	2	2.06490+	0	0.0	+ 0	6.19470-	4	3.57000-	2	2.05190-	49749	2151	342
5.00000+	2	2.06450+	0	0.0	+ 0	6.19350-	4	3.57000-	2	2.05190-	49749	2151	343
6.00000+	2	2.06410+	0	0.0	+ 0	6.19230-	4	3.57000-	2	2.05190-	49749	2151	344
8.00000+	2	2.06330+	0	0.0	+ 0	6.18990-	4	3.57000-	2	2.05190-	49749	2151	345
1.00000+	3	2.06250+	0	0.0	+ 0	6.18750-	4	3.57000-	2	2.05190-	49749	2151	346
1.50000+	3	2.06050+	0	0.0	+ 0	6.18150-	4	3.57000-	2	2.05190-	49749	2151	347
2.00000+	3	2.05850+	0	0.0	+ 0	6.17560-	4	3.57000-	2	2.05190-	49749	2151	348
3.00000+	3	2.05450+	0	0.0	+ 0	6.16360-	4	3.57000-	2	2.05190-	49749	2151	349
4.00000+	3	2.05060+	0	0.0	+ 0	6.15170-	4	3.57000-	2	2.05190-	49749	2151	350
5.00000+	3	2.04660+	0	0.0	+ 0	6.13980-	4	3.57000-	2	2.05190-	49749	2151	351
6.00000+	3	2.04260+	0	0.0	+ 0	6.12790-	4	3.57000-	2	2.05190-	49749	2151	352
8.00000+	3	2.03470+	0	0.0	+ 0	6.10420-	4	3.57000-	2	2.05190-	49749	2151	353
1.00000+	4	2.02690+	0	1.04110-	8	6.08060-	4	3.57000-	2	2.05190-	49749	2151	354
1.50000+	4	2.00740+	0	6.61080-	7	6.02210-	4	3.57000-	2	2.05190-	49749	2151	355
2.00000+	4	1.98800+	0	2.87330-	6	5.96410-	4	3.57000-	2	2.05190-	49749	2151	356
3.00000+	4	1.95000+	0	1.37810-	5	5.84990-	4	3.57000-	2	2.05190-	49749	2151	357
5.00000+	0	0.0	+ 0		2		0		138		229749	2151	358
0.0	+ 0	0.0	+ 0	0.0	+ 0	1.00000+	0	0.0	+ 0	1.00000+	09749	2151	359

6.00000+	1	1.69060+	0	0.0	+ 0	5.07170-	4	3.57000-	2	2.05190-	49749	2151	360
8.00000+	1	1.69050+	0	0.0	+ 0	5.07160-	4	3.57000-	2	2.05190-	49749	2151	361
1.00000+	2	1.69050+	0	0.0	+ 0	5.07140-	4	3.57000-	2	2.05190-	49749	2151	362
1.50000+	2	1.69030+	0	0.0	+ 0	5.07090-	4	3.57000-	2	2.05190-	49749	2151	363
2.00000+	2	1.69010+	0	0.0	+ 0	5.07040-	4	3.57000-	2	2.05190-	49749	2151	364
3.00000+	2	1.68980+	0	0.0	+ 0	5.06940-	4	3.57000-	2	2.05190-	49749	2151	365
4.00000+	2	1.68950+	0	0.0	+ 0	5.06840-	4	3.57000-	2	2.05190-	49749	2151	366
5.00000+	2	1.68910+	0	0.0	+ 0	5.06740-	4	3.57000-	2	2.05190-	49749	2151	367
6.00000+	2	1.68880+	0	0.0	+ 0	5.06640-	4	3.57000-	2	2.05190-	49749	2151	368
8.00000+	2	1.68820+	0	0.0	+ 0	5.06450-	4	3.57000-	2	2.05190-	49749	2151	369
1.00000+	3	1.68750+	0	0.0	+ 0	5.06250-	4	3.57000-	2	2.05190-	49749	2151	370
1.50000+	3	1.68590+	0	0.0	+ 0	5.05760-	4	3.57000-	2	2.05190-	49749	2151	371
2.00000+	3	1.68420+	0	0.0	+ 0	5.05270-	4	3.57000-	2	2.05190-	49749	2151	372
3.00000+	3	1.68100+	0	0.0	+ 0	5.04290-	4	3.57000-	2	2.05190-	49749	2151	373
4.00000+	3	1.67770+	0	0.0	+ 0	5.03320-	4	3.57000-	2	2.05190-	49749	2151	374
5.00000+	3	1.67450+	0	0.0	+ 0	5.02350-	4	3.57000-	2	2.05190-	49749	2151	375
6.00000+	3	1.67120+	0	0.0	+ 0	5.01370-	4	3.57000-	2	2.05190-	49749	2151	376
8.00000+	3	1.66480+	0	0.0	+ 0	4.99440-	4	3.57000-	2	2.05190-	49749	2151	377
1.00000+	4	1.65840+	0	0.0	+ 0	4.97510-	4	3.57000-	2	2.05190-	49749	2151	378
1.50000+	4	1.64240+	0	0.0	+ 0	4.92720-	4	3.57000-	2	2.05190-	49749	2151	379
2.00000+	4	1.62660+	0	0.0	+ 0	4.87970-	4	3.57000-	2	2.05190-	49749	2151	380
3.00000+	4	1.59540+	0	0.0	+ 0	4.78630-	4	3.57000-	2	2.05190-	49749	2151	381
2.46935+	2	0.0	+ 0			2	0		6		09749	2151	382
1.00000+	0	0.0	+ 0			2	0	138			229749	2151	383
0.0	+ 0	0.0	+ 0	2.00000+	+ 0	1.00000+	0	0.0	+ 0	1.00000+	09749	2151	384
6.00000+	1	6.19880+	0	0.0	+ 0	5.14500-	4	3.57000-	2	2.05190-	49749	2151	385
8.00000+	1	6.19860+	0	0.0	+ 0	5.14480-	4	3.57000-	2	2.05190-	49749	2151	386
1.00000+	2	6.19830+	0	0.0	+ 0	5.14460-	4	3.57000-	2	2.05190-	49749	2151	387
1.50000+	2	6.19770+	0	0.0	+ 0	5.14410-	4	3.57000-	2	2.05190-	49749	2151	388
2.00000+	2	6.19710+	0	0.0	+ 0	5.14360-	4	3.57000-	2	2.05190-	49749	2151	389
3.00000+	2	6.19590+	0	0.0	+ 0	5.14260-	4	3.57000-	2	2.05190-	49749	2151	390
4.00000+	2	6.19470+	0	0.0	+ 0	5.14160-	4	3.57000-	2	2.05190-	49749	2151	391
5.00000+	2	6.19350+	0	0.0	+ 0	5.14060-	4	3.57000-	2	2.05190-	49749	2151	392
6.00000+	2	6.19230+	0	0.0	+ 0	5.13960-	4	3.57000-	2	2.05190-	49749	2151	393
8.00000+	2	6.18990+	0	0.0	+ 0	5.13760-	4	3.57000-	2	2.05190-	49749	2151	394
1.00000+	3	6.18750+	0	0.0	+ 0	5.13560-	4	3.57000-	2	2.05190-	49749	2151	395
1.50000+	3	6.18150+	0	0.0	+ 0	5.13070-	4	3.57000-	2	2.05190-	49749	2151	396
2.00000+	3	6.17560+	0	0.0	+ 0	5.12570-	4	3.57000-	2	2.05190-	49749	2151	397
3.00000+	3	6.16360+	0	0.0	+ 0	5.11580-	4	3.57000-	2	2.05190-	49749	2151	398
4.00000+	3	6.15170+	0	0.0	+ 0	5.10590-	4	3.57000-	2	2.05190-	49749	2151	399
5.00000+	3	6.13980+	0	0.0	+ 0	5.09600-	4	3.57000-	2	2.05190-	49749	2151	400
6.00000+	3	6.12790+	0	0.0	+ 0	5.08620-	4	3.57000-	2	2.05190-	49749	2151	401
8.00000+	3	6.10420+	0	0.0	+ 0	5.06650-	4	3.57000-	2	2.05190-	49749	2151	402
1.00000+	4	6.08060+	0	5.01270-	4	5.04690-	4	3.57000-	2	2.05190-	49749	2151	403
1.50000+	4	6.02210+	0	5.94460-	3	4.99830-	4	3.57000-	2	2.05190-	49749	2151	404
2.00000+	4	5.96410+	0	1.41100-	2	4.95020-	4	3.57000-	2	2.05190-	49749	2151	405
3.00000+	4	5.84990+	0	3.49550-	2	4.85540-	4	3.57000-	2	2.05190-	49749	2151	406
2.00000+	0	0.0	+ 0			2	0	138			229749	2151	407
0.0	+ 0	0.0	+ 0	2.00000+	+ 0	2.00000+	0	0.0	+ 0	1.00000+	09749	2151	408
6.00000+	1	3.71930+	0	0.0	+ 0	3.08700-	4	3.57000-	2	2.05190-	49749	2151	409
8.00000+	1	3.71910+	0	0.0	+ 0	3.08690-	4	3.57000-	2	2.05190-	49749	2151	410
1.00000+	2	3.71900+	0	0.0	+ 0	3.08680-	4	3.57000-	2	2.05190-	49749	2151	411
1.50000+	2	3.71860+	0	0.0	+ 0	3.08650-	4	3.57000-	2	2.05190-	49749	2151	412
2.00000+	2	3.71830+	0	0.0	+ 0	3.08620-	4	3.57000-	2	2.05190-	49749	2151	413
3.00000+	2	3.71760+	0	0.0	+ 0	3.08560-	4	3.57000-	2	2.05190-	49749	2151	414
4.00000+	2	3.71680+	0	0.0	+ 0	3.08500-	4	3.57000-	2	2.05190-	49749	2151	415
5.00000+	2	3.71610+	0	0.0	+ 0	3.08440-	4	3.57000-	2	2.05190-	49749	2151	416
6.00000+	2	3.71540+	0	0.0	+ 0	3.08380-	4	3.57000-	2	2.05190-	49749	2151	417
8.00000+	2	3.71400+	0	0.0	+ 0	3.08260-	4	3.57000-	2	2.05190-	49749	2151	418
1.00000+	3	3.71250+	0	0.0	+ 0	3.08140-	4	3.57000-	2	2.05190-	49749	2151	419
1.50000+	3	3.70890+	0	0.0	+ 0	3.07840-	4	3.57000-	2	2.05190-	49749	2151	420
2.00000+	3	3.70530+	0	0.0	+ 0	3.07540-	4	3.57000-	2	2.05190-	49749	2151	421
3.00000+	3	3.69820+	0	0.0	+ 0	3.06950-	4	3.57000-	2	2.05190-	49749	2151	422
4.00000+	3	3.69100+	0	0.0	+ 0	3.06350-	4	3.57000-	2	2.05190-	49749	2151	423
5.00000+	3	3.68390+	0	0.0	+ 0	3.05760-	4	3.57000-	2	2.05190-	49749	2151	424
6.00000+	3	3.67670+	0	0.0	+ 0	3.05170-	4	3.57000-	2	2.05190-	49749	2151	425
8.00000+	3	3.66250+	0	0.0	+ 0	3.03990-	4	3.57000-	2	2.05190-	49749	2151	426
1.00000+	4	3.64840+	0	3.00760-	4	3.02820-	4	3.57000-	2	2.05190-	49749	2151	427
1.50000+	4	3.61330+	0	3.56680-	3	2.99900-	4	3.57000-	2	2.05190-	49749	2151	428
2.00000+	4	3.57850+	0	8.46590-	3	2.97010-	4	3.57000-	2	2.05190-	49749	2151	429
3.00000+	4	3.51000+	0	2.09730-	2	2.91330-	4	3.57000-	2	2.05190-	49749	2151	430
3.00000+	0	0.0	+ 0			2	0	138			229749	2151	431

0.0	+	0	0.0	+	0	1.00000+	0	2.00000+	0	0.0	+	0	1.00000+	09749	2151	432
6.00000+	1	2.65660+	0	0.0	+	0	2.20500-	4	3.57000-	2	2.05190-	49749	2151	433		
8.00000+	1	2.65650+	0	0.0	+	0	2.20490-	4	3.57000-	2	2.05190-	49749	2151	434		
1.00000+	2	2.65640+	0	0.0	+	0	2.20480-	4	3.57000-	2	2.05190-	49749	2151	435		
1.50000+	2	2.65620+	0	0.0	+	0	2.20460-	4	3.57000-	2	2.05190-	49749	2151	436		
2.00000+	2	2.65590+	0	0.0	+	0	2.20440-	4	3.57000-	2	2.05190-	49749	2151	437		
3.00000+	2	2.65540+	0	0.0	+	0	2.20400-	4	3.57000-	2	2.05190-	49749	2151	438		
4.00000+	2	2.65490+	0	0.0	+	0	2.20360-	4	3.57000-	2	2.05190-	49749	2151	439		
5.00000+	2	2.65440+	0	0.0	+	0	2.20310-	4	3.57000-	2	2.05190-	49749	2151	440		
6.00000+	2	2.65390+	0	0.0	+	0	2.20270-	4	3.57000-	2	2.05190-	49749	2151	441		
8.00000+	2	2.65280+	0	0.0	+	0	2.20180-	4	3.57000-	2	2.05190-	49749	2151	442		
1.00000+	3	2.65180+	0	0.0	+	0	2.20100-	4	3.57000-	2	2.05190-	49749	2151	443		
1.50000+	3	2.64920+	0	0.0	+	0	2.19890-	4	3.57000-	2	2.05190-	49749	2151	444		
2.00000+	3	2.64670+	0	0.0	+	0	2.19670-	4	3.57000-	2	2.05190-	49749	2151	445		
3.00000+	3	2.64150+	0	0.0	+	0	2.19250-	4	3.57000-	2	2.05190-	49749	2151	446		
4.00000+	3	2.63640+	0	0.0	+	0	2.18820-	4	3.57000-	2	2.05190-	49749	2151	447		
5.00000+	3	2.63130+	0	0.0	+	0	2.18400-	4	3.57000-	2	2.05190-	49749	2151	448		
6.00000+	3	2.62620+	0	0.0	+	0	2.17980-	4	3.57000-	2	2.05190-	49749	2151	449		
8.00000+	3	2.61610+	0	0.0	+	0	2.17140-	4	3.57000-	2	2.05190-	49749	2151	450		
1.00000+	4	2.60600+	0	1.07410-	4	2.16300-	4	3.57000-	2	2.05190-	49749	2151	451			
1.50000+	4	2.58090+	0	1.27380-	3	2.14210-	4	3.57000-	2	2.05190-	49749	2151	452			
2.00000+	4	2.55610+	0	3.02350-	3	2.12150-	4	3.57000-	2	2.05190-	49749	2151	453			
3.00000+	4	2.50710+	0	7.49030-	3	2.08090-	4	3.57000-	2	2.05190-	49749	2151	454			
4.00000+	0	0.0	+	0	2	0	138	229749	2151	455						
0.0	+	0	0.0	+	0	0.0	+	0	1.00000+	09749	2151	456				
6.00000+	1	2.06630+	0	0.0	+	0	1.71500-	4	3.57000-	2	2.05190-	49749	2151	457		
8.00000+	1	2.06620+	0	0.0	+	0	1.71490-	4	3.57000-	2	2.05190-	49749	2151	458		
1.00000+	2	2.06610+	0	0.0	+	0	1.71490-	4	3.57000-	2	2.05190-	49749	2151	459		
1.50000+	2	2.06590+	0	0.0	+	0	1.71470-	4	3.57000-	2	2.05190-	49749	2151	460		
2.00000+	2	2.06570+	0	0.0	+	0	1.71450-	4	3.57000-	2	2.05190-	49749	2151	461		
3.00000+	2	2.06530+	0	0.0	+	0	1.71420-	4	3.57000-	2	2.05190-	49749	2151	462		
4.00000+	2	2.06490+	0	0.0	+	0	1.71390-	4	3.57000-	2	2.05190-	49749	2151	463		
5.00000+	2	2.06450+	0	0.0	+	0	1.71350-	4	3.57000-	2	2.05190-	49749	2151	464		
6.00000+	2	2.06410+	0	0.0	+	0	1.71320-	4	3.57000-	2	2.05190-	49749	2151	465		
8.00000+	2	2.06330+	0	0.0	+	0	1.71250-	4	3.57000-	2	2.05190-	49749	2151	466		
1.00000+	3	2.06250+	0	0.0	+	0	1.71190-	4	3.57000-	2	2.05190-	49749	2151	467		
1.50000+	3	2.06050+	0	0.0	+	0	1.71020-	4	3.57000-	2	2.05190-	49749	2151	468		
2.00000+	3	2.05850+	0	0.0	+	0	1.70860-	4	3.57000-	2	2.05190-	49749	2151	469		
3.00000+	3	2.05450+	0	0.0	+	0	1.70530-	4	3.57000-	2	2.05190-	49749	2151	470		
4.00000+	3	2.05060+	0	0.0	+	0	1.70200-	4	3.57000-	2	2.05190-	49749	2151	471		
5.00000+	3	2.04660+	0	0.0	+	0	1.69870-	4	3.57000-	2	2.05190-	49749	2151	472		
6.00000+	3	2.04260+	0	0.0	+	0	1.69540-	4	3.57000-	2	2.05190-	49749	2151	473		
8.00000+	3	2.03470+	0	0.0	+	0	1.68880-	4	3.57000-	2	2.05190-	49749	2151	474		
1.00000+	4	2.02690+	0	0.0	+	0	1.68230-	4	3.57000-	2	2.05190-	49749	2151	475		
1.50000+	4	2.00740+	0	0.0	+	0	1.66610-	4	3.57000-	2	2.05190-	49749	2151	476		
2.00000+	4	1.98800+	0	0.0	+	0	1.65010-	4	3.57000-	2	2.05190-	49749	2151	477		
3.00000+	4	1.95000+	0	0.0	+	0	1.61850-	4	3.57000-	2	2.05190-	49749	2151	478		
5.00000+	0	0.0	+	0	2	0	138	229749	2151	479						
0.0	+	0	0.0	+	0	0.0	+	0	1.00000+	09749	2151	480				
6.00000+	1	1.69060+	0	0.0	+	0	1.40320-	4	3.57000-	2	2.05190-	49749	2151	481		
8.00000+	1	1.69050+	0	0.0	+	0	1.40310-	4	3.57000-	2	2.05190-	49749	2151	482		
1.00000+	2	1.69050+	0	0.0	+	0	1.40310-	4	3.57000-	2	2.05190-	49749	2151	483		
1.50000+	2	1.69030+	0	0.0	+	0	1.40290-	4	3.57000-	2	2.05190-	49749	2151	484		
2.00000+	2	1.69010+	0	0.0	+	0	1.40280-	4	3.57000-	2	2.05190-	49749	2151	485		
3.00000+	2	1.68980+	0	0.0	+	0	1.40250-	4	3.57000-	2	2.05190-	49749	2151	486		
4.00000+	2	1.68950+	0	0.0	+	0	1.40230-	4	3.57000-	2	2.05190-	49749	2151	487		
5.00000+	2	1.68910+	0	0.0	+	0	1.40200-	4	3.57000-	2	2.05190-	49749	2151	488		
6.00000+	2	1.68880+	0	0.0	+	0	1.40170-	4	3.57000-	2	2.05190-	49749	2151	489		
8.00000+	2	1.68820+	0	0.0	+	0	1.40120-	4	3.57000-	2	2.05190-	49749	2151	490		
1.00000+	3	1.68750+	0	0.0	+	0	1.40060-	4	3.57000-	2	2.05190-	49749	2151	491		
1.50000+	3	1.68590+	0	0.0	+	0	1.39930-	4	3.57000-	2	2.05190-	49749	2151	492		
2.00000+	3	1.68420+	0	0.0	+	0	1.39790-	4	3.57000-	2	2.05190-	49749	2151	493		
3.00000+	3	1.68100+	0	0.0	+	0	1.39520-	4	3.57000-	2	2.05190-	49749	2151	494		
4.00000+	3	1.67770+	0	0.0	+	0	1.39250-	4	3.57000-	2	2.05190-	49749	2151	495		
5.00000+	3	1.67450+	0	0.0	+	0	1.38980-	4	3.57000-	2	2.05190-	49749	2151	496		
6.00000+	3	1.67120+	0	0.0	+	0	1.38710-	4	3.57000-	2	2.05190-	49749	2151	497		
8.00000+	3	1.66480+	0	0.0	+	0	1.38180-	4	3.57000-	2	2.05190-	49749	2151	498		
1.00000+	4	1.65840+	0	0.0	+	0	1.37640-	4	3.57000-	2	2.05190-	49749	2151	499		
1.50000+	4	1.64240+	0	0.0	+	0	1.36320-	4	3.57000-	2	2.05190-	49749	2151	500		
2.00000+	4	1.62660+	0	0.0	+	0	1.35010-	4	3.57000-	2	2.05190-	49749	2151	501		
3.00000+	4	1.59540+	0	0.0	+	0	1.32420-	4	3.57000-	2	2.05190-	49749	2151	502		
6.00000+	0	0.0	+	0	2	0	138	229749	2151	503						

0.0	+	0	0.0	+	0	0.0	+	0	1.00000+	0	0.0	+	0	1.00000+	09749	2151	504
6.00000+	1	1.43050+	0	0.0	+	0	1.18730-	4	3.57000-	2	2.05190-	49749	2151	505			
8.00000+	1	1.43040+	0	0.0	+	0	1.18730-	4	3.57000-	2	2.05190-	49749	2151	506			
1.00000+	2	1.43040+	0	0.0	+	0	1.18720-	4	3.57000-	2	2.05190-	49749	2151	507			
1.50000+	2	1.43020+	0	0.0	+	0	1.18710-	4	3.57000-	2	2.05190-	49749	2151	508			
2.00000+	2	1.43010+	0	0.0	+	0	1.18700-	4	3.57000-	2	2.05190-	49749	2151	509			
3.00000+	2	1.42980+	0	0.0	+	0	1.18680-	4	3.57000-	2	2.05190-	49749	2151	510			
4.00000+	2	1.42960+	0	0.0	+	0	1.18650-	4	3.57000-	2	2.05190-	49749	2151	511			
5.00000+	2	1.42930+	0	0.0	+	0	1.18630-	4	3.57000-	2	2.05190-	49749	2151	512			
6.00000+	2	1.42900+	0	0.0	+	0	1.18610-	4	3.57000-	2	2.05190-	49749	2151	513			
8.00000+	2	1.42840+	0	0.0	+	0	1.18560-	4	3.57000-	2	2.05190-	49749	2151	514			
1.00000+	3	1.42790+	0	0.0	+	0	1.18510-	4	3.57000-	2	2.05190-	49749	2151	515			
1.50000+	3	1.42650+	0	0.0	+	0	1.18400-	4	3.57000-	2	2.05190-	49749	2151	516			
2.00000+	3	1.42510+	0	0.0	+	0	1.18290-	4	3.57000-	2	2.05190-	49749	2151	517			
3.00000+	3	1.42240+	0	0.0	+	0	1.18060-	4	3.57000-	2	2.05190-	49749	2151	518			
4.00000+	3	1.41960+	0	0.0	+	0	1.17830-	4	3.57000-	2	2.05190-	49749	2151	519			
5.00000+	3	1.41690+	0	0.0	+	0	1.17600-	4	3.57000-	2	2.05190-	49749	2151	520			
6.00000+	3	1.41410+	0	0.0	+	0	1.17370-	4	3.57000-	2	2.05190-	49749	2151	521			
8.00000+	3	1.40870+	0	0.0	+	0	1.16920-	4	3.57000-	2	2.05190-	49749	2151	522			
1.00000+	4	1.40320+	0	0.0	+	0	1.16470-	4	3.57000-	2	2.05190-	49749	2151	523			
1.50000+	4	1.38970+	0	0.0	+	0	1.15350-	4	3.57000-	2	2.05190-	49749	2151	524			
2.00000+	4	1.37630+	0	0.0	+	0	1.14240-	4	3.57000-	2	2.05190-	49749	2151	525			
3.00000+	4	1.35000+	0	0.0	+	0	1.12050-	4	3.57000-	2	2.05190-	49749	2151	526			
												9749	2	0			527
												9749	0	0			528
9.72490+	4	2.46935+	2			0		99			0	09749	3	1			529
0.0	+	0	0.0	+	0			0			2	1329749	3	1			530
		13				132		5			0	09749	3	1			531
1.00000-	5	0.0	+	0	2.53000-	2	0.0	+	0	8.83564+	3	0.0	+	09749	3	1	532
9.12673+	3	5.93213-	3	9.41782+	3	1.16780-	2	1.00000+	4	2.26553-	29749	3	1	533			
1.12500+	4	3.26381-	2	1.25000+	4	4.15680-	2	1.50000+	4	5.70208-	29749	3	1	534			
1.75000+	4	7.00860-	2	2.00000+	4	8.14035-	2	2.50000+	4	1.00316-	19749	3	1	535			
3.00000+	4	1.15769-	1	3.00000+	4	1.40948+	1	3.97604+	4	1.39302+	19749	3	1	536			
4.19693+	4	1.39002+	1	5.00000+	4	1.38036+	1	8.00000+	4	1.35095+	19749	3	1	537			
8.29345+	4	1.34823+	1	9.40795+	4	1.33788+	1	1.00000+	5	1.33234+	19749	3	1	538			
1.38258+	5	1.29546+	1	1.50000+	5	1.28380+	1	1.56431+	5	1.27737+	19749	3	1	539			
2.00000+	5	1.23330+	1	2.05429+	5	1.22779+	1	2.30229+	5	1.20275+	19749	3	1	540			
2.84146+	5	1.14961+	1	3.00000+	5	1.13452+	1	3.14268+	5	1.12114+	19749	3	1	541			
3.74310+	5	1.06749+	1	3.79129+	5	1.06338+	1	3.90776+	5	1.05358+	19749	3	1	542			
4.00000+	5	1.04595+	1	4.11660+	5	1.03646+	1	4.23006+	5	1.02741+	19749	3	1	543			
4.30637+	5	1.02142+	1	4.76823+	5	9.86841+	0	5.00000+	5	9.70578+	09749	3	1	544			
5.21102+	5	9.56395+	0	6.00000+	5	9.08553+	0	7.00000+	5	8.58715+	09749	3	1	545			
8.00000+	5	8.19472+	0	9.00000+	5	7.89050+	0	1.00000+	6	7.65727+	09749	3	1	546			
1.10000+	6	7.47968+	0	1.20000+	6	7.34546+	0	1.30000+	6	7.24510+	09749	3	1	547			
1.40000+	6	7.17195+	0	1.60000+	6	7.08589+	0	1.80000+	6	7.05929+	09749	3	1	548			
2.00000+	6	7.07512+	0	2.50000+	6	7.22951+	0	3.00000+	6	7.44772+	09749	3	1	549			
4.00000+	6	7.75690+	0	5.00000+	6	7.78554+	0	6.00000+	6	7.53897+	09749	3	1	550			
6.23890+	6	7.44122+	0	6.42104+	6	7.35051+	0	6.60850+	6	7.26090+	09749	3	1	551			
6.70427+	6	7.21651+	0	6.80143+	6	7.17239+	0	6.90000+	6	7.12854+	09749	3	1	552			
7.00000+	6	7.08495+	0	7.23762+	6	6.96777+	0	7.35944+	6	6.90991+	09749	3	1	553			
7.48331+	6	6.85253+	0	7.60926+	6	6.79563+	0	7.73734+	6	6.73919+	09749	3	1	554			
7.80218+	6	6.71116+	0	7.86757+	6	6.68323+	0	7.93351+	6	6.65542+	09749	3	1	555			
8.00000+	6	6.62773+	0	8.23907+	6	6.53658+	0	8.48528+	6	6.44668+	09749	3	1	556			
8.61113+	6	6.40219+	0	8.73885+	6	6.35801+	0	8.86846+	6	6.31414+	09749	3	1	557			
8.93399+	6	6.29232+	0	9.00000+	6	6.27057+	0	9.24021+	6	6.21044+	09749	3	1	558			
9.48683+	6	6.15088+	0	9.61260+	6	6.12132+	0	9.74004+	6	6.09190+	09749	3	1	559			
9.86916+	6	6.06262+	0	1.00000+	7	6.03348+	0	1.04664+	7	5.97480+	09749	3	1	560			
1.07077+	7	5.94567+	0	1.09545+	7	5.91669+	0	1.12070+	7	5.88785+	09749	3	1	561			
1.14653+	7	5.85915+	0	1.15967+	7	5.84486+	0	1.17296+	7	5.83059+	09749	3	1	562			
1.18270+	7	5.82026+	0	1.18640+	7	5.81637+	0	1.19318+	7	5.80926+	09749	3	1	563			
1.20000+	7	5.80217+	0	1.24715+	7	5.80588+	0	1.29615+	7	5.80959+	09749	3	1	564			
1.32136+	7	5.81144+	0	1.34707+	7	5.81330+	0	1.37328+	7	5.81515+	09749	3	1	565			
1.40000+	7	5.81701+	0	1.44752+	7	5.85547+	0	1.49666+	7	5.89418+	09749	3	1	566			
1.52185+	7	5.91363+	0	1.54747+	7	5.93315+	0	1.57352+	7	5.95274+	09749	3	1	567			
1.58670+	7	5.96255+	0	1.60000+	7	5.97238+	0	1.64782+	7	6.01310+	09749	3	1	568			
1.67226+	7	6.03356+	0	1.69706+	7	6.05409+	0	1.72223+	7	6.07469+	09749	3	1	569			
1.74777+	7	6.09536+	0	1.76068+	7	6.10572+	0	1.77369+	7	6.11610+	09749	3	1	570			
1.78680+	7	6.12650+	0	1.80000+	7	6.13691+	0	1.80570+	7	6.14109+	09749	3	1	571			
1.81141+	7	6.14527+	0	1.82290+	7	6.15365+	0	1.83446+	7	6.16204+	09749	3	1	572			
1.84610+	7	6.17045+	0	1.84615+	7	6.17048+	0	1.88343+	7	6.19387+	09749	3	1	573			
1.92151+	7	6.21737+	0	1.94084+	7	6.22915+	0	1.96036+	7	6.24096+	09749	3	1	574			
1.98008+	7	6.25279+	0	1.99002+	7	6.25871+	0	2.00000+	7	6.26464+	09749	3	1	575			





6.23890+	6	0.0	+	0	7.00000+	6	2.10000-	1	8.00000+	6	2.35000-	19749	3	16	648		
9.00000+	6	2.36000-	1	1.00000+	7	2.91000-	1	1.18270+	7	3.44000-	19749	3	16	649			
1.20000+	7	3.47000-	1	1.40000+	7	2.28000-	1	1.60000+	7	6.46000-	29749	3	16	650			
1.80000+	7	1.31000-	2	1.84610+	7	8.90000-	3	2.00000+	7	2.40000-	39749	3	16	651			
											9749	3	0	652			
9.72490+	4	2.46935+	2					99			0	09749	3	17	653		
0.0	+	0-1.17794+	7					0			1	79749	3	17	654		
		7	2					0			0	09749	3	17	655		
1.18270+	7	0.0	+	0	1.20000+	7	7.00000-	5	1.40000+	7	1.72000-	19749	3	17	656		
1.60000+	7	4.02000-	1	1.80000+	7	5.03000-	1	1.84610+	7	5.61000-	19749	3	17	657			
2.00000+	7	5.37000-	1								9749	3	17	658			
											9749	3	0	659			
9.72490+	4	2.46935+	2					99			0	09749	3	18	660		
0.0	+	0 0.0	+	0				0			2	419749	3	18	661		
		3	2			41		5			0	09749	3	18	662		
1.00000-	5	0.0	+	0	2.53000-	2	0.0	+	0	3.00000+	4	0.0	+	09749	3	18	663
3.00000+	4	1.08000-	2	5.00000+	4	7.94000-	3	8.00000+	4	5.59000-	39749	3	18	664			
1.00000+	5	4.80000-	3	1.50000+	5	3.70000-	3	2.00000+	5	3.50000-	39749	3	18	665			
3.00000+	5	3.70000-	3	4.00000+	5	5.00000-	3	5.00000+	5	7.00000-	39749	3	18	666			
6.00000+	5	1.00000-	2	7.00000+	5	3.06000-	2	8.00000+	5	9.72000-	29749	3	18	667			
9.00000+	5	3.00000-	1	1.00000+	6	5.30000-	1	1.10000+	6	7.54000-	19749	3	18	668			
1.20000+	6	9.23000-	1	1.30000+	6	1.06000+	0	1.40000+	6	1.16000+	09749	3	18	669			
1.60000+	6	1.34000+	0	1.80000+	6	1.39000+	0	2.00000+	6	1.41000+	09749	3	18	670			
2.50000+	6	1.43000+	0	3.00000+	6	1.44000+	0	4.00000+	6	1.44000+	09749	3	18	671			
5.00000+	6	1.50000+	0	6.00000+	6	1.82000+	0	6.23890+	6	1.96000+	09749	3	18	672			
7.00000+	6	2.38000+	0	8.00000+	6	2.60000+	0	9.00000+	6	2.67000+	09749	3	18	673			
1.00000+	7	2.67000+	0	1.18270+	7	2.67000+	0	1.20000+	7	2.67000+	09749	3	18	674			
1.40000+	7	2.67000+	0	1.60000+	7	2.67000+	0	1.80000+	7	2.67000+	09749	3	18	675			
1.84610+	7	2.67000+	0	2.00000+	7	2.67000+	0				9749	3	18	676			
											9749	3	0	677			
9.72490+	4	2.46935+	2					99			0	09749	3	37	678		
0.0	+	0-1.83871+	7					0			1	29749	3	37	679		
		2	2					0			0	09749	3	37	680		
1.84615+	7	0.0	+	0	2.00000+	7	1.10000-	2				9749	3	37	681		
											9749	3	0	682			
9.72490+	4	2.46935+	2					1			0	09749	3	51	683		
0.0	+	0-8.80000+	3					0			1	579749	3	51	684		
		57	3			0		0			0	09749	3	51	685		
8.83564+	3	0.0	+	0	1.00000+	4	2.26553-	2	3.00000+	4	1.15769-	19749	3	51	686		
3.97604+	4	1.36323-	1	4.19693+	4	1.35553-	1	5.00000+	4	1.40911-	19749	3	51	687			
8.00000+	4	1.49892-	1	8.29345+	4	1.50214-	1	9.40795+	4	1.49200-	19749	3	51	688			
1.00000+	5	1.48361-	1	1.38258+	5	1.43631-	1	1.50000+	5	1.42138-	19749	3	51	689			
1.56431+	5	1.41434-	1	2.00000+	5	1.38551-	1	2.05429+	5	1.38408-	19749	3	51	690			
2.30229+	5	1.38234-	1	2.84146+	5	1.39548-	1	3.00000+	5	1.40227-	19749	3	51	691			
3.14268+	5	1.40881-	1	3.74310+	5	1.44034-	1	3.79129+	5	1.44295-	19749	3	51	692			
3.90776+	5	1.44355-	1	4.00000+	5	1.43211-	1	4.11660+	5	1.41967-	19749	3	51	693			
4.23006+	5	1.39844-	1	4.30637+	5	1.37685-	1	4.76823+	5	1.25394-	19749	3	51	694			
5.00000+	5	1.20887-	1	5.21102+	5	1.17606-	1	6.00000+	5	1.09373-	19749	3	51	695			
7.00000+	5	1.02255-	1	8.00000+	5	9.50664-	2	9.00000+	5	8.46029-	29749	3	51	696			
1.00000+	6	7.38090-	2	1.10000+	6	6.36190-	2	1.20000+	6	5.49263-	29749	3	51	697			
1.30000+	6	4.72689-	2	1.40000+	6	4.06560-	2	1.60000+	6	2.91121-	29749	3	51	698			
1.80000+	6	2.09927-	2	2.00000+	6	1.47956-	2	2.50000+	6	5.59049-	39749	3	51	699			
3.00000+	6	1.97771-	3	4.00000+	6	2.44023-	4	5.00000+	6	2.96096-	59749	3	51	700			
6.00000+	6	3.09790-	6	6.23890+	6	1.69078-	6	7.00000+	6	1.26238-	79749	3	51	701			
8.00000+	6	3.64563-	9	9.00000+	6	1.62187-	10	1.00000+	7	1.01957-	119749	3	51	702			
1.20000+	7	8.48010-	14	1.40000+	7	1.80802-	15	1.60000+	7	5.11800-	179749	3	51	703			
1.80000+	7	4.46975-	18	1.84610+	7	6.75670-	18	2.00000+	7	8.48298-	199749	3	51	704			
											9749	3	0	705			
9.72490+	4	2.46935+	2					2			0	09749	3	52	706		
0.0	+	0-3.96000+	4					0			1	549749	3	52	707		
		54	3			0		0			0	09749	3	52	708		
3.97604+	4	0.0	+	0	4.19693+	4	7.90142-	2	5.00000+	4	1.62216-	19749	3	52	709		
8.00000+	4	2.96744-	1	8.29345+	4	3.03756-	1	9.40795+	4	3.14122-	19749	3	52	710			
1.00000+	5	3.18841-	1	1.38258+	5	3.28962-	1	1.50000+	5	3.26665-	19749	3	52	711			
1.56431+	5	3.24918-	1	2.00000+	5	3.11633-	1	2.05429+	5	3.10146-	19749	3	52	712			
2.30229+	5	3.02976-	1	2.84146+	5	2.90840-	1	3.00000+	5	2.88089-	19749	3	52	713			
3.14268+	5	2.85898-	1	3.74310+	5	2.78477-	1	3.79129+	5	2.77980-	19749	3	52	714			
3.90776+	5	2.76428-	1	4.00000+	5	2.73496-	1	4.11660+	5	2.70212-	19749	3	52	715			
4.23006+	5	2.66084-	1	4.30637+	5	2.62157-	1	4.76823+	5	2.37424-	19749	3	52	716			
5.00000+	5	2.26985-	1	5.21102+	5	2.19144-	1	6.00000+	5	1.97372-	19749	3	52	717			
7.00000+	5	1.77115-	1	8.00000+	5	1.58625-	1	9.00000+	5	1.36657-	19749	3	52	718			
1.00000+	6	1.15994-	1	1.10000+	6	9.77203-	2	1.20000+	6	8.28017-	29749	3	52	719			

1.30000+	6	7.01683-	2	1.40000+	6	5.95909-	2	1.60000+	6	4.18496-	29749	3	52	720	
1.80000+	6	2.97631-	2	2.00000+	6	2.07613-	2	2.50000+	6	7.72017-	39749	3	52	721	
3.00000+	6	2.70955-	3	4.00000+	6	3.34086-	4	5.00000+	6	4.08466-	59749	3	52	722	
6.00000+	6	4.30247-	6	6.23890+	6	2.35059-	6	7.00000+	6	1.75940-	79749	3	52	723	
8.00000+	6	5.09756-	9	9.00000+	6	2.27694-	10	1.00000+	7	1.43803-	119749	3	52	724	
1.20000+	7	1.20594-	13	1.40000+	7	2.58521-	15	1.60000+	7	7.34890-	179749	3	52	725	
1.80000+	7	6.44019-	18	1.84610+	7	9.74216-	18	2.00000+	7	1.22584-	189749	3	52	726	
											9749	3	0	727	
9.72490+	4	2.46935+	2		0		3		0		09749	3	53	728	
0.0	+	0-4.18000+	4		0		0		1		539749	3	53	729	
	53		3		0		0		0		09749	3	53	730	
4.19693+	4	0.0	+	0	5.00000+	4	1.39703-	1	8.00000+	4	4.37312-	19749	3	53	731
8.29345+	4	4.59599-	1	9.40795+	4	5.13830-	1	1.00000+	5	5.40122-	19749	3	53	732	
1.38258+	5	6.46751-	1	1.50000+	5	6.47850-	1	1.56431+	5	6.53245-	19749	3	53	733	
2.00000+	5	6.72327-	1	2.05429+	5	6.73324-	1	2.30229+	5	6.67759-	19749	3	53	734	
2.84146+	5	6.55537-	1	3.00000+	5	6.50246-	1	3.14268+	5	6.45283-	19749	3	53	735	
3.74310+	5	6.21855-	1	3.79129+	5	6.19907-	1	3.90776+	5	6.15176-	19749	3	53	736	
4.00000+	5	6.10415-	1	4.11660+	5	6.03785-	1	4.23006+	5	5.96661-	19749	3	53	737	
4.30637+	5	5.91065-	1	4.76823+	5	5.45115-	1	5.00000+	5	5.20212-	19749	3	53	738	
5.21102+	5	4.98988-	1	6.00000+	5	4.36012-	1	7.00000+	5	3.80071-	19749	3	53	739	
8.00000+	5	3.35611-	1	9.00000+	5	2.88026-	1	1.00000+	6	2.44875-	19749	3	53	740	
1.10000+	6	2.06993-	1	1.20000+	6	1.75834-	1	1.30000+	6	1.49058-	19749	3	53	741	
1.40000+	6	1.26258-	1	1.60000+	6	8.73878-	2	1.80000+	6	6.05875-	29749	3	53	742	
2.00000+	6	4.08733-	2	2.50000+	6	1.37756-	2	3.00000+	6	4.39191-	39749	3	53	743	
4.00000+	6	4.63528-	4	5.00000+	6	5.31338-	5	6.00000+	6	5.74190-	69749	3	53	744	
6.23890+	6	3.16740-	6	7.00000+	6	2.43539-	7	8.00000+	6	7.19218-	99749	3	53	745	
9.00000+	6	3.20824-	10	1.00000+	7	2.01269-	11	1.20000+	7	1.69251-	139749	3	53	746	
1.40000+	7	3.66676-	15	1.60000+	7	1.05475-	16	1.80000+	7	9.35108-	189749	3	53	747	
1.84610+	7	1.41816-	17	2.00000+	7	1.79879-	18				9749	3	53	748	
											9749	3	0	749	
9.72490+	4	2.46935+	2		0		4		0		09749	3	54	750	
0.0	+	0-8.26000+	4		0		0		1		509749	3	54	751	
	50		3		0		0		0		09749	3	54	752	
8.29345+	4	0.0	+	0	9.40795+	4	1.56702-	1	1.00000+	5	1.90513-	19749	3	54	753
1.38258+	5	3.01606-	1	1.50000+	5	3.12457-	1	1.56431+	5	3.17387-	19749	3	54	754	
2.00000+	5	3.33108-	1	2.05429+	5	3.33889-	1	2.30229+	5	3.33795-	19749	3	54	755	
2.84146+	5	3.29029-	1	3.00000+	5	3.27412-	1	3.14268+	5	3.25884-	19749	3	54	756	
3.74310+	5	3.19875-	1	3.79129+	5	3.19426-	1	3.90776+	5	3.18284-	19749	3	54	757	
4.00000+	5	3.16093-	1	4.11660+	5	3.13550-	1	4.23006+	5	3.10604-	19749	3	54	758	
4.30637+	5	3.07620-	1	4.76823+	5	2.85769-	1	5.00000+	5	2.74857-	19749	3	54	759	
5.21102+	5	2.66460-	1	6.00000+	5	2.41659-	1	7.00000+	5	2.16463-	19749	3	54	760	
8.00000+	5	1.92634-	1	9.00000+	5	1.64665-	1	1.00000+	6	1.38682-	19749	3	54	761	
1.10000+	6	1.16003-	1	1.20000+	6	9.76941-	2	1.30000+	6	8.23648-	29749	3	54	762	
1.40000+	6	6.96571-	2	1.60000+	6	4.86131-	2	1.80000+	6	3.44304-	29749	3	54	763	
2.00000+	6	2.39491-	2	2.50000+	6	8.88149-	3	3.00000+	6	3.12102-	39749	3	54	764	
4.00000+	6	3.89163-	4	5.00000+	6	4.82169-	5	6.00000+	6	5.12195-	69749	3	54	765	
6.23890+	6	2.80147-	6	7.00000+	6	2.10288-	7	8.00000+	6	6.12087-	99749	3	54	766	
9.00000+	6	2.75178-	10	1.00000+	7	1.75033-	11	1.20000+	7	1.48390-	139749	3	54	767	
1.40000+	7	3.20464-	15	1.60000+	7	9.16933-	17	1.80000+	7	8.07948-	189749	3	54	768	
1.84610+	7	1.22357-	17	2.00000+	7	1.54505-	18				9749	3	54	769	
											9749	3	0	770	
9.72490+	4	2.46935+	2		0		5		0		09749	3	55	771	
0.0	+	0-9.37000+	4		0		0		1		499749	3	55	772	
	49		3		0		0		0		09749	3	55	773	
9.40795+	4	0.0	+	0	1.00000+	5	1.67862-	2	1.38258+	5	1.54504-	19749	3	55	774
1.50000+	5	1.80464-	1	1.56431+	5	1.94864-	1	2.00000+	5	2.61784-	19749	3	55	775	
2.05429+	5	2.67586-	1	2.30229+	5	2.83695-	1	2.84146+	5	3.07105-	19749	3	55	776	
3.00000+	5	3.10672-	1	3.14268+	5	3.13150-	1	3.74310+	5	3.18413-	19749	3	55	777	
3.79129+	5	3.18520-	1	3.90776+	5	3.18794-	1	4.00000+	5	3.18715-	19749	3	55	778	
4.11660+	5	3.18312-	1	4.23006+	5	3.17759-	1	4.30637+	5	3.17154-	19749	3	55	779	
4.76823+	5	3.07783-	1	5.00000+	5	3.00787-	1	5.21102+	5	2.94345-	19749	3	55	780	
6.00000+	5	2.74455-	1	7.00000+	5	2.55613-	1	8.00000+	5	2.38108-	19749	3	55	781	
9.00000+	5	2.13336-	1	1.00000+	6	1.87709-	1	1.10000+	6	1.63032-	19749	3	55	782	
1.20000+	6	1.41449-	1	1.30000+	6	1.21905-	1	1.40000+	6	1.04602-	19749	3	55	783	
1.60000+	6	7.37310-	2	1.80000+	6	5.17352-	2	2.00000+	6	3.52071-	29749	3	55	784	
2.50000+	6	1.20825-	2	3.00000+	6	3.92477-	3	4.00000+	6	4.31177-	49749	3	55	785	
5.00000+	6	5.12554-	5	6.00000+	6	5.68352-	6	6.23890+	6	3.14738-	69749	3	55	786	
7.00000+	6	2.44172-	7	8.00000+	6	7.27835-	9	9.00000+	6	3.27759-	109749	3	55	787	
1.00000+	7	2.07491-	11	1.20000+	7	1.77085-	13	1.40000+	7	3.88866-	159749	3	55	788	
1.60000+	7	1.13276-	16	1.80000+	7	1.01453-	17	1.84610+	7	1.54180-	179749	3	55	789	
2.00000+	7	1.96819-	18								9749	3	55	790	
											9749	3	0	791	

9.72490+	4	2.46935+	2	0	6	0	09749	3	56	792				
0.0	+	0-1.37700+	5	0	0	1	479749	3	56	793				
	47		3	0	0	0	09749	3	56	794				
1.38258+	5	0.0	+ 0	1.50000+	5	9.29913-	2	1.56431+	5	1.14111-	19749	3	56	795
2.00000+	5	1.89876-	1	2.05429+	5	1.95321-	1	2.30229+	5	2.11521-	19749	3	56	796
2.84146+	5	2.30615-	1	3.00000+	5	2.33752-	1	3.14268+	5	2.35948-	19749	3	56	797
3.74310+	5	2.41956-	1	3.79129+	5	2.42284-	1	3.90776+	5	2.42983-	19749	3	56	798
4.00000+	5	2.42906-	1	4.11660+	5	2.42927-	1	4.23006+	5	2.42758-	19749	3	56	799
4.30637+	5	2.42176-	1	4.76823+	5	2.34596-	1	5.00000+	5	2.29148-	19749	3	56	800
5.21102+	5	2.25050-	1	6.00000+	5	2.11279-	1	7.00000+	5	1.94540-	19749	3	56	801
8.00000+	5	1.76371-	1	9.00000+	5	1.52834-	1	1.00000+	6	1.30092-	19749	3	56	802
1.10000+	6	1.09749-	1	1.20000+	6	9.30703-	2	1.30000+	6	7.89183-	19749	3	56	803
1.40000+	6	6.70678-	2	1.60000+	6	4.71647-	2	1.80000+	6	3.36069-	19749	3	56	804
2.00000+	6	2.34998-	2	2.50000+	6	8.82893-	3	3.00000+	6	3.14420-	19749	3	56	805
4.00000+	6	4.02943-	4	5.00000+	6	5.11008-	5	6.00000+	6	5.50526-	19749	3	56	806
6.23890+	6	3.01690-	6	7.00000+	6	2.27497-	7	8.00000+	6	6.66447-	19749	3	56	807
9.00000+	6	3.02269-	10	1.00000+	7	1.94091-	11	1.20000+	7	1.66784-	139749	3	56	808
1.40000+	7	3.63582-	15	1.60000+	7	1.04943-	16	1.80000+	7	9.31654-	189749	3	56	809
1.84610+	7	1.41311-	17	2.00000+	7	1.79316-	18			9749	3	56	810	
										9749	3	0	811	
9.72490+	4	2.46935+	2	0	7	0	09749	3	57	812				
0.0	+	0-1.55800+	5	0	0	1	459749	3	57	813				
	45		3	0	0	0	09749	3	57	814				
1.56431+	5	0.0	+ 0	2.00000+	5	3.40576-	2	2.05429+	5	3.80413-	29749	3	57	815
2.30229+	5	5.20586-	2	2.84146+	5	7.40267-	2	3.00000+	5	7.83374-	29749	3	57	816
3.14268+	5	8.19437-	2	3.74310+	5	9.39330-	2	3.79129+	5	9.46363-	29749	3	57	817
3.90776+	5	9.64760-	2	4.00000+	5	9.78927-	2	4.11660+	5	9.96725-	29749	3	57	818
4.23006+	5	1.01361-	1	4.30637+	5	1.02477-	1	4.76823+	5	1.08014-	19749	3	57	819
5.00000+	5	1.09941-	1	5.21102+	5	1.11516-	1	6.00000+	5	1.17263-	19749	3	57	820
7.00000+	5	1.23468-	1	8.00000+	5	1.26603-	1	9.00000+	5	1.22193-	19749	3	57	821
1.00000+	6	1.13908-	1	1.10000+	6	1.03489-	1	1.20000+	6	9.29928-	29749	3	57	822
1.30000+	6	8.23853-	2	1.40000+	6	7.22561-	2	1.60000+	6	5.25677-	29749	3	57	823
1.80000+	6	3.76884-	2	2.00000+	6	2.60667-	2	2.50000+	6	9.24536-	39749	3	57	824
3.00000+	6	3.10048-	3	4.00000+	6	3.62437-	4	5.00000+	6	4.53856-	59749	3	57	825
6.00000+	6	5.22256-	6	6.23890+	6	2.90926-	6	7.00000+	6	2.28877-	79749	3	57	826
8.00000+	6	6.91561-	9	9.00000+	6	3.15260-	10	1.00000+	7	2.01837-	119749	3	57	827
1.20000+	7	1.75455-	13	1.40000+	7	3.91485-	15	1.60000+	7	1.15706-	169749	3	57	828
1.80000+	7	1.04880-	17	1.84610+	7	1.59783-	17	2.00000+	7	2.05562-	189749	3	57	829
										9749	3	0	830	
9.72490+	4	2.46935+	2	0	8	0	09749	3	58	831				
0.0	+	0-2.04600+	5	0	0	1	439749	3	58	832				
	43		3	0	0	0	09749	3	58	833				
2.05429+	5	0.0	+ 0	2.30229+	5	3.82824-	2	2.84146+	5	7.14241-	29749	3	58	834
3.00000+	5	7.79375-	2	3.14268+	5	8.29479-	2	3.74310+	5	9.91853-	29749	3	58	835
3.79129+	5	1.00243-	1	3.90776+	5	1.02673-	1	4.00000+	5	1.04484-	19749	3	58	836
4.11660+	5	1.06612-	1	4.23006+	5	1.08561-	1	4.30637+	5	1.09789-	19749	3	58	837
4.76823+	5	1.14788-	1	5.00000+	5	1.15751-	1	5.21102+	5	1.16803-	19749	3	58	838
6.00000+	5	1.19123-	1	7.00000+	5	1.18452-	1	8.00000+	5	1.13868-	19749	3	58	839
9.00000+	5	1.03399-	1	1.00000+	6	9.14342-	2	1.10000+	6	7.96045-	29749	3	58	840
1.20000+	6	6.92897-	2	1.30000+	6	6.00480-	2	1.40000+	6	5.19795-	29749	3	58	841
1.60000+	6	3.76239-	2	1.80000+	6	2.74112-	2	2.00000+	6	1.95164-	29749	3	58	842
2.50000+	6	7.60967-	3	3.00000+	6	2.79688-	3	4.00000+	6	3.77619-	49749	3	58	843
5.00000+	6	4.96855-	5	6.00000+	6	5.45971-	6	6.23890+	6	2.99982-	69749	3	58	844
7.00000+	6	2.27638-	7	8.00000+	6	6.72659-	9	9.00000+	6	3.08524-	109749	3	58	845
1.00000+	7	2.00384-	11	1.20000+	7	1.74934-	13	1.40000+	7	3.85768-	159749	3	58	846
1.60000+	7	1.12606-	16	1.80000+	7	1.00951-	17	1.84610+	7	1.53435-	179749	3	58	847
2.00000+	7	1.95963-	18							9749	3	58	848	
										9749	3	0	849	
9.72490+	4	2.46935+	2	0	9	0	09749	3	59	850				
0.0	+	0-2.29300+	5	0	0	1	429749	3	59	851				
	42		3	0	0	0	09749	3	59	852				
2.30229+	5	0.0	+ 0	2.84146+	5	2.65727-	3	3.00000+	5	3.57617-	39749	3	59	853
3.14268+	5	4.52002-	3	3.74310+	5	8.97304-	3	3.79129+	5	9.27858-	39749	3	59	854
3.90776+	5	1.01936-	2	4.00000+	5	1.09598-	2	4.11660+	5	1.19729-	29749	3	59	855
4.23006+	5	1.29971-	2	4.30637+	5	1.37065-	2	4.76823+	5	1.82885-	29749	3	59	856
5.00000+	5	2.06947-	2	5.21102+	5	2.29469-	2	6.00000+	5	3.16043-	29749	3	59	857
7.00000+	5	4.17443-	2	8.00000+	5	4.97000-	2	9.00000+	5	5.32454-	29749	3	59	858
1.00000+	6	5.35720-	2	1.10000+	6	5.16035-	2	1.20000+	6	4.85521-	29749	3	59	859
1.30000+	6	4.46363-	2	1.40000+	6	4.03492-	2	1.60000+	6	3.07245-	29749	3	59	860
1.80000+	6	2.27640-	2	2.00000+	6	1.61567-	2	2.50000+	6	6.04877-	39749	3	59	861
3.00000+	6	2.13689-	3	4.00000+	6	2.74902-	4	5.00000+	6	3.71463-	59749	3	59	862
6.00000+	6	4.49426-	6	6.23890+	6	2.52267-	6	7.00000+	6	2.01968-	79749	3	59	863

8.00000+	6	6.20537-	9	9.00000+	6	2.87229-10	1.00000+	7	1.86523-119749	3	59	864			
1.20000+	7	1.65907-13	1.40000+	7	3.77206-15	1.60000+	7	1.13364-169749	3	59	865				
1.80000+	7	1.04181-17	1.84610+	7	1.59171-17	2.00000+	7	2.06617-189749	3	59	866				
									9749	3	0	867			
9.72490+	4	2.46935+	2	0	10	0		09749	3	60	868				
0.0	+	0-2.83000+	5	0	0	1		419749	3	60	869				
	41		3	0	0	0		09749	3	60	870				
2.84146+	5	0.0	+	0	3.00000+	5	2.83776-	3	3.14268+	5	5.29710-	39749	3	60	871
3.74310+	5	1.55610-	2	3.79129+	5	1.63025-	2	3.90776+	5	1.80949-	29749	3	60	872	
4.00000+	5	1.94767-	2	4.11660+	5	2.11946-	2	4.23006+	5	2.28253-	29749	3	60	873	
4.30637+	5	2.39000-	2	4.76823+	5	3.00183-	2	5.00000+	5	3.26532-	29749	3	60	874	
5.21102+	5	3.50027-	2	6.00000+	5	4.26374-	2	7.00000+	5	4.94649-	29749	3	60	875	
8.00000+	5	5.30965-	2	9.00000+	5	5.24033-	2	1.00000+	6	4.94547-	29749	3	60	876	
1.10000+	6	4.53520-	2	1.20000+	6	4.11656-	2	1.30000+	6	3.69251-	29749	3	60	877	
1.40000+	6	3.29012-	2	1.60000+	6	2.49159-	2	1.80000+	6	1.87950-	29749	3	60	878	
2.00000+	6	1.37746-	2	2.50000+	6	5.70514-	3	3.00000+	6	2.20700-	39749	3	60	879	
4.00000+	6	3.22771-	4	5.00000+	6	4.47906-	5	6.00000+	6	5.05890-	69749	3	60	880	
6.23890+	6	2.79010-	6	7.00000+	6	2.13580-	7	8.00000+	6	6.38192-	99749	3	60	881	
9.00000+	6	2.96702-10	1.00000+	7	1.95349-11	1.20000+	7	1.73868-139749	3	60	882				
1.40000+	7	3.88786-15	1.60000+	7	1.15008-16	1.80000+	7	1.04322-179749	3	60	883				
1.84610+	7	1.58951-17	2.00000+	7	2.04603-18			9749	3	60	884				
								9749	3	0	885				
9.72490+	4	2.46935+	2	0	11	0		09749	3	61	886				
0.0	+	0-3.13000+	5	0	0	1		399749	3	61	887				
	39		3	0	0	0		09749	3	61	888				
3.14268+	5	0.0	+	0	3.74310+	5	1.23142-	3	3.79129+	5	1.33511-	39749	3	61	889
3.90776+	5	1.63021-	3	4.00000+	5	1.87619-	3	4.11660+	5	2.19711-	39749	3	61	890	
4.23006+	5	2.51992-	3	4.30637+	5	2.74287-	3	4.76823+	5	4.18063-	39749	3	61	891	
5.00000+	5	4.95508-	3	5.21102+	5	5.68911-	3	6.00000+	5	8.62679-	39749	3	61	892	
7.00000+	5	1.22609-	2	8.00000+	5	1.54810-	2	9.00000+	5	1.75437-	29749	3	61	893	
1.00000+	6	1.87067-	2	1.10000+	6	1.90693-	2	1.20000+	6	1.89301-	29749	3	61	894	
1.30000+	6	1.82794-	2	1.40000+	6	1.72653-	2	1.60000+	6	1.41176-	29749	3	61	895	
1.80000+	6	1.10370-	2	2.00000+	6	8.17292-	3	2.50000+	6	3.33102-	39749	3	61	896	
3.00000+	6	1.26975-	3	4.00000+	6	1.86211-	4	5.00000+	6	2.78752-	59749	3	61	897	
6.00000+	6	3.60477-	6	6.23890+	6	2.04420-	6	7.00000+	6	1.67473-	79749	3	61	898	
8.00000+	6	5.25589-	9	9.00000+	6	2.47898-10	1.00000+	7	1.63853-119749	3	61	899			
1.20000+	7	1.49990-13	1.40000+	7	3.48826-15	1.60000+	7	1.06895-169749	3	61	900				
1.80000+	7	9.98064-18	1.84610+	7	1.52987-17	2.00000+	7	2.00640-189749	3	61	901				
								9749	3	0	902				
9.72490+	4	2.46935+	2	0	12	0		09749	3	62	903				
0.0	+	0-3.72800+	5	0	0	1		389749	3	62	904				
	38		3	0	0	0		09749	3	62	905				
3.74310+	5	0.0	+	0	3.79129+	5	5.15624-	4	3.90776+	5	1.17548-	39749	3	62	906
4.00000+	5	1.67565-	3	4.11660+	5	2.30457-	3	4.23006+	5	2.91335-	39749	3	62	907	
4.30637+	5	3.31792-	3	4.76823+	5	5.67675-	3	5.00000+	5	6.80244-	39749	3	62	908	
5.21102+	5	7.80535-	3	6.00000+	5	1.13048-	2	7.00000+	5	1.51189-	29749	3	62	909	
8.00000+	5	1.80828-	2	9.00000+	5	1.94981-	2	1.00000+	6	1.98213-	29749	3	62	910	
1.10000+	6	1.93571-	2	1.20000+	6	1.85359-	2	1.30000+	6	1.74109-	29749	3	62	911	
1.40000+	6	1.61580-	2	1.60000+	6	1.30807-	2	1.80000+	6	1.04169-	29749	3	62	912	
2.00000+	6	7.99809-	3	2.50000+	6	3.65264-	3	3.00000+	6	1.52949-	39749	3	62	913	
4.00000+	6	2.50810-	4	5.00000+	6	3.74028-	5	6.00000+	6	4.37796-	69749	3	62	914	
6.23890+	6	2.42658-	6	7.00000+	6	1.87911-	7	8.00000+	6	5.69906-	99749	3	62	915	
9.00000+	6	2.69705-10	1.00000+	7	1.80700-11	1.20000+	7	1.64741-139749	3	62	916				
1.40000+	7	3.74571-15	1.60000+	7	1.12556-16	1.80000+	7	1.03505-179749	3	62	917				
1.84610+	7	1.58160-17	2.00000+	7	2.05442-18			9749	3	62	918				
								9749	3	0	919				
9.72490+	4	2.46935+	2	0	13	0		09749	3	63	920				
0.0	+	0-3.77600+	5	0	0	1		379749	3	63	921				
	37		3	0	0	0		09749	3	63	922				
3.79129+	5	0.0	+	0	3.90776+	5	2.46859-	3	4.00000+	5	5.04906-	39749	3	63	923
4.11660+	5	8.48903-	3	4.23006+	5	1.16227-	2	4.30637+	5	1.35064-	29749	3	63	924	
4.76823+	5	2.12815-	2	5.00000+	5	2.37223-	2	5.21102+	5	2.55014-	29749	3	63	925	
6.00000+	5	2.99088-	2	7.00000+	5	3.31851-	2	8.00000+	5	3.51722-	29749	3	63	926	
9.00000+	5	3.51493-	2	1.00000+	6	3.41080-	2	1.10000+	6	3.23982-	29749	3	63	927	
1.20000+	6	3.04932-	2	1.30000+	6	2.82870-	2	1.40000+	6	2.59186-	29749	3	63	928	
1.60000+	6	2.03636-	2	1.80000+	6	1.54955-	2	2.00000+	6	1.11853-	29749	3	63	929	
2.50000+	6	4.12664-	3	3.00000+	6	1.34888-	3	4.00000+	6	1.39657-	49749	3	63	930	
5.00000+	6	1.51777-	5	6.00000+	6	1.58509-	6	6.23890+	6	8.71137-	79749	3	63	931	
7.00000+	6	6.63521-	8	8.00000+	6	1.93481-	9	9.00000+	6	8.50876-119749	3	63	932		
1.00000+	7	5.25499-12	1.20000+	7	4.32081-14	1.40000+	7	9.15460-169749	3	63	933				
1.60000+	7	2.58199-17	1.80000+	7	2.25397-18	1.84610+	7	3.40722-189749	3	63	934				
2.00000+	7	4.27993-19						9749	3	63	935				

9.72490+	4	2.46935+	2	0	14	0	9749	3	0	936
0.0	+	0-3.89200+	5	0	0	1	09749	3	64	937
		36	3	0	0	0	369749	3	64	938
3.90776+	5	0.0	+	0	4.00000+	5	1.11122-	2	4.11660+	5
4.23006+	5	4.58597-	2	4.30637+	5	5.76899-	2	4.76823+	5	1.14775-
5.00000+	5	1.33764-	1	5.21102+	5	1.46754-	1	6.00000+	5	1.72169-
7.00000+	5	1.77501-	1	8.00000+	5	1.69997-	1	9.00000+	5	1.52890-
1.00000+	6	1.34527-	1	1.10000+	6	1.17377-	1	1.20000+	6	1.03044-
1.30000+	6	9.04330-	2	1.40000+	6	7.93719-	2	1.60000+	6	5.88275-
1.80000+	6	4.32585-	2	2.00000+	6	3.05720-	2	2.50000+	6	1.09887-
3.00000+	6	3.55203-	3	4.00000+	6	3.65955-	4	5.00000+	6	4.00439-
6.00000+	6	4.22358-	6	6.23890+	6	2.32635-	6	7.00000+	6	1.78307-
8.00000+	6	5.23744-	9	9.00000+	6	2.31801-	10	1.00000+	7	1.44005-
1.20000+	7	1.19505-	13	1.40000+	7	2.54940-	15	1.60000+	7	7.23514-
1.80000+	7	6.34919-	18	1.84610+	7	9.60808-	18	2.00000+	7	1.21093-
										9749
										3
										0
9.72490+	4	2.46935+	2	0	15	0	09749	3	65	953
0.0	+	0-4.10000+	5	0	0	1	349749	3	65	954
		34	3	0	0	0	09749	3	65	955
4.11660+	5	0.0	+	0	4.23006+	5	6.21924-	3	4.30637+	5
4.76823+	5	4.29097-	2	5.00000+	5	5.44738-	2	5.21102+	5	6.27190-
6.00000+	5	8.09070-	2	7.00000+	5	8.90084-	2	8.00000+	5	8.97764-
9.00000+	5	8.46339-	2	1.00000+	6	7.77349-	2	1.10000+	6	7.04882-
1.20000+	6	6.39536-	2	1.30000+	6	5.77021-	2	1.40000+	6	5.18101-
1.60000+	6	3.97112-	2	1.80000+	6	2.98540-	2	2.00000+	6	2.14188-
2.50000+	6	7.85774-	3	3.00000+	6	2.56271-	3	4.00000+	6	2.65017-
5.00000+	6	2.88655-	5	6.00000+	6	3.02603-	6	6.23890+	6	1.66471-
7.00000+	6	1.27141-	7	8.00000+	6	3.71910-	9	9.00000+	6	1.64022-
1.00000+	7	1.01552-	11	1.20000+	7	8.38123-	14	1.40000+	7	1.78005-
1.60000+	7	5.03238-	17	1.80000+	7	4.40216-	18	1.84610+	7	6.65729-
2.00000+	7	8.37337-	19							9749
										3
										0
9.72490+	4	2.46935+	2	0	16	0	09749	3	66	969
0.0	+	0-4.21300+	5	0	0	1	339749	3	66	970
		33	3	0	0	0	09749	3	66	971
4.23006+	5	0.0	+	0	4.30637+	5	7.99346-	3	4.76823+	5
5.00000+	5	9.04152-	2	5.21102+	5	1.08377-	1	6.00000+	5	1.48053-
7.00000+	5	1.63072-	1	8.00000+	5	1.60367-	1	9.00000+	5	1.45978-
1.00000+	6	1.29176-	1	1.10000+	6	1.13068-	1	1.20000+	6	9.94841-
1.30000+	6	8.75026-	2	1.40000+	6	7.69900-	2	1.60000+	6	5.73791-
1.80000+	6	4.24229-	2	2.00000+	6	3.01208-	2	2.50000+	6	1.09043-
3.00000+	6	3.53468-	3	4.00000+	6	3.64437-	4	5.00000+	6	3.98470-
6.00000+	6	4.20267-	6	6.23890+	6	2.31546-	6	7.00000+	6	1.77603-
8.00000+	6	5.22003-	9	9.00000+	6	2.31134-	10	1.00000+	7	1.43628-
1.20000+	7	1.19261-	13	1.40000+	7	2.54476-	15	1.60000+	7	7.22371-
1.80000+	7	6.34081-	18	1.84610+	7	9.59582-	18	2.00000+	7	1.20957-
										9749
										3
										0
9.72490+	4	2.46935+	2	0	17	0	09749	3	67	984
0.0	+	0-4.28900+	5	0	0	1	329749	3	67	985
		32	3	0	0	0	09749	3	67	986
4.30637+	5	0.0	+	0	4.76823+	5	7.38574-	2	5.00000+	5
5.21102+	5	1.34004-	1	6.00000+	5	1.93693-	1	7.00000+	5	2.17151-
8.00000+	5	2.13106-	1	9.00000+	5	1.91966-	1	1.00000+	6	1.67475-
1.10000+	6	1.44350-	1	1.20000+	6	1.25129-	1	1.30000+	6	1.08579-
1.40000+	6	9.44163-	2	1.60000+	6	6.90900-	2	1.80000+	6	5.04452-
2.00000+	6	3.55125-	2	2.50000+	6	1.27215-	2	3.00000+	6	4.11366-
4.00000+	6	4.26697-	4	5.00000+	6	4.72356-	5	6.00000+	6	5.03757-
6.23890+	6	2.78016-	6	7.00000+	6	2.14004-	7	8.00000+	6	6.31535-
9.00000+	6	2.81109-	10	1.00000+	7	1.75719-	11	1.20000+	7	1.47200-
1.40000+	7	3.16206-	15	1.60000+	7	9.03540-	17	1.80000+	7	7.97401-
1.84610+	7	1.20805-	17	2.00000+	7	1.52786-	18			9749
										3
										0
9.72490+	4	2.46935+	2	0	18	0	09749	3	68	999
0.0	+	0-4.74900+	5	0	0	1	319749	3	68	1000
		31	3	0	0	0	09749	3	68	1001
4.76823+	5	0.0	+	0	5.00000+	5	2.52338-	2	5.21102+	5
6.00000+	5	1.28564-	1	7.00000+	5	1.74365-	1	8.00000+	5	1.84876-
9.00000+	5	1.73375-	1	1.00000+	6	1.54825-	1	1.10000+	6	1.35373-
1.20000+	6	1.18456-	1	1.30000+	6	1.03490-	1	1.40000+	6	9.04867-
1.60000+	6	6.68238-	2	1.80000+	6	4.91675-	2	2.00000+	6	3.48345-
2.50000+	6	1.26359-	2	3.00000+	6	4.13108-	3	4.00000+	6	4.37798-
										49749
										3
										68
										1007

5.00000+	6	4.94620-	5	6.00000+	6	5.36463-	6	6.23890+	6	2.97080-	69749	3	68	1008
7.00000+	6	2.30735-	7	8.00000+	6	6.87119-	9	9.00000+	6	3.08266-	109749	3	68	1009
1.00000+	7	1.94062-	11	1.20000+	7	1.64531-	13	1.40000+	7	3.57427-	159749	3	68	1010
1.60000+	7	1.03186-	16	1.80000+	7	9.18234-	18	1.84610+	7	1.39345-	179749	3	68	1011
2.00000+	7	1.77134-	18								9749	3	68	1012
											9749	3	0	1013
9.72490+	4	2.46935+	2			0	98		0		09749	3	91	1014
0.0	+ 0	-5.19000+	5			0	0		1		299749	3	91	1015
	29		3			0	0		0		09749	3	91	1016
5.21102+	5	0.0	+ 0	6.00000+	5	3.16464-	2	7.00000+	5	1.43615-	19749	3	91	1017
8.00000+	5	2.98738-	1	9.00000+	5	4.58605-	1	1.00000+	6	6.05887-	19749	3	91	1018
1.10000+	6	7.33001-	1	1.20000+	6	8.55161-	1	1.30000+	6	9.65004-	19749	3	91	1019
1.40000+	6	1.06798+	0	1.60000+	6	1.21737+	0	1.80000+	6	1.35656+	09749	3	91	1020
2.00000+	6	1.44903+	0	2.50000+	6	1.50309+	0	3.00000+	6	1.44268+	09749	3	91	1021
4.00000+	6	1.35200+	0	5.00000+	6	1.33049+	0	6.00000+	6	1.06672+	09749	3	91	1022
6.23890+	6	9.27789-	1	7.00000+	6	2.89440-	1	8.00000+	6	4.87529-	29749	3	91	1023
9.00000+	6	1.13239-	2	1.00000+	7	3.39983-	3	1.20000+	7	5.23201-	49749	3	91	1024
1.40000+	7	1.65642-	4	1.60000+	7	5.81168-	5	1.80000+	7	5.44559-	59749	3	91	1025
1.84610+	7	1.39774-	4	2.00000+	7	9.84367-	5				9749	3	91	1026
											9749	3	0	1027
9.72490+	4	2.46935+	2			0	99		0		09749	3102	1028	
0.0	+ 0	0.0	+ 0			0	0		2		589749	3102	1029	
	3		2			58	5		0		09749	3102	1030	
1.00000-	5	0.0	+ 0	2.53000-	2	0.0	+ 0	3.00000+	4	0.0	+ 09749	3102	1031	
3.00000+	4	1.88957+	0	3.97604+	4	1.69730+	0	4.19693+	4	1.62673+	09749	3102	1032	
5.00000+	4	1.41707+	0	8.00000+	4	9.98511-	1	8.29345+	4	9.72368-	19749	3102	1033	
9.40795+	4	8.51011-	1	1.00000+	5	8.00816-	1	1.38258+	5	5.94530-	19749	3102	1034	
1.50000+	5	5.41311-	1	1.56431+	5	5.20352-	1	2.00000+	5	4.20997-	19749	3102	1035	
2.05429+	5	4.12723-	1	2.30229+	5	3.76927-	1	2.84146+	5	3.30944-	19749	3102	1036	
3.00000+	5	3.21724-	1	3.14268+	5	3.14670-	1	3.74310+	5	2.94953-	19749	3102	1037	
3.79129+	5	2.93828-	1	3.90776+	5	2.91122-	1	4.00000+	5	2.88148-	19749	3102	1038	
4.11660+	5	2.84329-	1	4.23006+	5	2.80185-	1	4.30637+	5	2.76801-	19749	3102	1039	
4.76823+	5	2.53974-	1	5.00000+	5	2.43988-	1	5.21102+	5	2.36698-	19749	3102	1040	
6.00000+	5	2.20379-	1	7.00000+	5	2.12094-	1	8.00000+	5	2.07819-	19749	3102	1041	
9.00000+	5	1.97916-	1	1.00000+	6	1.86703-	1	1.10000+	6	1.75306-	19749	3102	1042	
1.20000+	6	1.65691-	1	1.30000+	6	1.56737-	1	1.40000+	6	1.48655-	19749	3102	1043	
1.60000+	6	1.30258-	1	1.80000+	6	1.15622-	1	2.00000+	6	1.00725-	19749	3102	1044	
2.50000+	6	6.48910-	2	3.00000+	6	3.87867-	2	4.00000+	6	1.28784-	29749	3102	1045	
5.00000+	6	3.92713-	3	6.00000+	6	9.98297-	4	6.23890+	6	6.74238-	49749	3102	1046	
7.00000+	6	1.00471-	4	8.00000+	6	7.50840-	6	9.00000+	6	9.12153-	79749	3102	1047	
1.00000+	7	1.62861-	7	1.20000+	7	1.17195-	8	1.40000+	7	2.29838-	99749	3102	1048	
1.60000+	7	5.89124-	10	1.80000+	7	4.42526-	10	1.84610+	7	1.09006-	99749	3102	1049	
2.00000+	7	6.85299-	10								9749	3102	1050	
											9749	3	0	1051
9.72490+	4	2.46935+	2			0	0		0		09749	3251	1052	
0.0	+ 0	0.0	+ 0			0	0		1		599749	3251	1053	
	59		3			0	0		0		09749	3251	1054	
1.00000-	5	2.69976-	3	1.00000+	3	3.30685-	3	8.83564+	3	1.01216-	29749	3251	1055	
1.00000+	4	1.12855-	2	3.00000+	4	3.34048-	2	3.97604+	4	4.47673-	29749	3251	1056	
4.19693+	4	4.74993-	2	5.00000+	4	5.74725-	2	8.00000+	4	9.44721-	29749	3251	1057	
8.29345+	4	9.80395-	2	9.40795+	4	1.12251-	1	1.00000+	5	1.19554-	19749	3251	1058	
1.38258+	5	1.64707-	1	1.50000+	5	1.78376-	1	1.56431+	5	1.85455-	19749	3251	1059	
2.00000+	5	2.29628-	1	2.05429+	5	2.34679-	1	2.30229+	5	2.56862-	19749	3251	1060	
2.84146+	5	2.98325-	1	3.00000+	5	3.09012-	1	3.14268+	5	3.18115-	19749	3251	1061	
3.74310+	5	3.51513-	1	3.79129+	5	3.53882-	1	3.90776+	5	3.59474-	19749	3251	1062	
4.00000+	5	3.63939-	1	4.11660+	5	3.69520-	1	4.23006+	5	3.74922-	19749	3251	1063	
4.30637+	5	3.78626-	1	4.76823+	5	4.01272-	1	5.00000+	5	4.11806-	19749	3251	1064	
5.21102+	5	4.20656-	1	6.00000+	5	4.47414-	1	7.00000+	5	4.70372-	19749	3251	1065	
8.00000+	5	4.85462-	1	9.00000+	5	4.97417-	1	1.00000+	6	5.06588-	19749	3251	1066	
1.10000+	6	5.14225-	1	1.20000+	6	5.21106-	1	1.30000+	6	5.28513-	19749	3251	1067	
1.40000+	6	5.36930-	1	1.60000+	6	5.58097-	1	1.80000+	6	5.82211-	19749	3251	1068	
2.00000+	6	6.07346-	1	2.50000+	6	6.62712-	1	3.00000+	6	7.03498-	19749	3251	1069	
4.00000+	6	7.59721-	1	5.00000+	6	7.96104-	1	6.00000+	6	8.15964-	19749	3251	1070	
6.23890+	6	8.18651-	1	7.00000+	6	8.22976-	1	8.00000+	6	8.22216-	19749	3251	1071	
9.00000+	6	8.19824-	1	1.00000+	7	8.21975-	1	1.20000+	7	8.46368-	19749	3251	1072	
1.40000+	7	8.80382-	1	1.60000+	7	9.10319-	1	1.80000+	7	9.30907-	19749	3251	1073	
1.84610+	7	9.34381-	1	2.00000+	7	9.43292-	1				9749	3251	1074	
											9749	3	0	1075
											9749	0	0	1076
9.72490+	4	2.46935+	2			1	1		0		09749	4	2	1077
0.0	+ 0	2.46935+	2			0	2		441		209749	4	2	1078
1.00000+	0	2.69976-	3	3.27993-	6	-1.62126-	18	0.0	+ 0	0.0	+ 09749	4	2	1079

0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1080
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1081
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 9.99990-	1 4.85955-	39749	4	2	1082
1.12455-	5 1.26501-	8 7.68371-	12-7.62562-	15 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1083
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1084
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1085
0.0	+ 0-2.69972-	3 9.99974-	1 6.94216-	3 2.34279-	5 4.60000-	89749	4	2	1086		
5.64092-	11 2.45203-	14 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1087
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1088
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 9.83962-	6-4.85945-	39749	4	2	1089
9.99950-	1 8.99898-	3 3.97561-	5 1.08365-	7 1.97701-	10 2.55060-	139749	4	2	1090		
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1091
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1092
0.0	+ 0-3.79495-	8 2.24903-	5-6.94196-	3 9.99917-	1 1.10440-	29749	4	2	1093		
6.02069-	5 2.08059-	7 4.94092-	10 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1094
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1095
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 1.49413-	10-1.01198-	79749	4	2	1096
3.90452-	5-8.99865-	3 9.99876-	1 1.30827-	2 8.47701-	5 3.53978-	79749	4	2	1097		
-3.62805-	8-7.61150-	10 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1098
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1099
0.0	+ 0-5.94067-	13 4.47070-	10-2.01243-	7 5.96317-	5-1.10435-	29749	4	2	1100		
9.99827-	1 1.51174-	2 1.13398-	4 5.52451-	7-4.88824-	8-1.40945-	99749	4	2	1101		
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1102
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 2.37492-	15-1.94973-	129749	4	2	1103
9.87358-	10-3.46752-	7 8.42855-	5-1.30820-	2 9.99769-	1 1.71495-	29749	4	2	1104		
1.46158-	4 8.13407-	7-3.49399-	8-1.27066-	9 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1105
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1106
0.0	+ 0-9.52598-	18 8.42215-	15-4.69147-	12 1.87230-	9-5.46125-	79749	4	2	1107		
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0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 3.82932-	20-2.09836-	179749	4	2	1110
2.17929-	14-9.63368-	12 3.21986-	9-8.07700-	7 1.45842-	4-1.71483-	29749	4	2	1111		
9.99630-	1 2.12085-	2 2.24029-	4 1.55728-	6-5.03581-	8-7.90882-	109749	4	2	1112		
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1113
0.0	+ 0 0.0	+ 0 0.0	+ 0 6.12327-	20-6.12207-	17 4.79113-	14-1.78431-	119749	4	2	1114	
5.16460-	9-1.13979-	6 1.82755-	4-1.91782-	2 9.99548-	1 2.32362-	29749	4	2	1115		
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0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1117
1.92532-	19-1.34979-	16 9.46243-	14-3.06750-	11 7.85782-	9-1.55070-	69749	4	2	1118		
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-1.51065-	8-1.17130-	9 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1120
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1.72831-	13-4.98074-	11 1.14676-	8-2.04873-	6 2.68856-	4-2.32340-	29749	4	2	1122		
9.99359-	1 2.72889-	2 3.71550-	4 3.34589-	6-2.34262-	8-3.67905-	99749	4	2	1123		
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1124
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4.28899-	4 4.15259-	6 4.12450-	8 4.34827-	10 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1127
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2.33155-	18-1.59413-	15 4.86787-	13-1.15506-	10 2.21926-	8-3.33931-	69749	4	2	1129		
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7.66142-	13-1.67350-	10 2.97280-	8-4.14844-	6 4.28701-	4-2.93106-	29749	4	2	1133		
9.99015-	1 3.33624-	2 5.55904-	4 6.14148-	6 1.39878-	8-1.55155-	99749	4	2	1134		
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0.0	+ 0-1.42590-	20 7.43672-	18-4.70005-	15 1.16592-	12-2.36119-	109749	4	2	1136		
3.90197-	8-5.07785-	6 4.90166-	4-3.13346-	2 9.98884-	1 3.53857-	29749	4	2	1137		
6.25563-	4 7.33718-	6 2.26682-	8 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1138
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0-2.46073-	209749	4	2	1139	
1.22110-	17-7.53795-	15 1.72400-	12-3.25614-	10 5.03198-	8-6.13582-	69749	4	2	1140		
5.55721-	4-3.33579-	2 9.98745-	1 3.74083-	2 6.99292-	4 8.67662-	69749	4	2	1141		
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1142
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0-4.03589-	20 1.92870-	17-1.16883-	149749	4	2	1143	
2.48647-	12-4.40168-	10 6.38969-	8-7.33063-	6 6.25365-	4-3.53806-	29749	4	2	1144		
9.98597-	1 3.94304-	2 7.77130-	4 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1145
0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 0 0.0	+ 09749	4	2	1146
0.0	+ 0-6.36277-	20 2.95095-	17-1.76164-	14 3.50872-	12-5.84671-	109749	4	2	1147		
8.00364-	8-8.67055-	6 6.99098-	4-3.74027-	2 9.98442-	1 4.14518-	29749	4	2	1148		
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4.39528-	17-2.59096-	14 4.85665-	12-7.64610-	10 9.90404-	8-1.01639-	59749	4	2	1151		



7.76918-	4-	3.94241-	2	9.98278-	1				9749	4	2	1152
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		59	2	0	0	0	0		09749	4	2	1154
0.0	+	0 1.00000-	5	0	0	0	2		09749	4	2	1155
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0.0	+	0 1.00000+	3	0	0	0	2		09749	4	2	1157
6.07115-	4	7.89909-	6						9749	4	2	1158
0.0	+	0 8.83564+	3	0	0	0	4		09749	4	2	1159
7.42346-	3	5.68604-	4	2.57271-	7	8.64417-10			9749	4	2	1160
0.0	+	0 1.00000+	4	0	0	0	4		09749	4	2	1161
8.58773-	3	6.99821-	4	3.74308-	7	1.42040-	9		9749	4	2	1162
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3.07153-	2	3.66620-	3	1.00075-	5	1.10539-	7		9749	4	2	1164
0.0	+	0 3.97604+	4	0	0	0	6		09749	4	2	1165
4.20822-	2	5.29771-	3	2.35035-	5	5.30948-	7-1.29541-10	4.47804-11	9749	4	2	1166
0.0	+	0 4.19693+	4	0	0	0	6		09749	4	2	1167
4.48151-	2	5.61327-	3	2.76859-	5	6.57156-	7-1.67425-10	6.13621-11	9749	4	2	1168
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5.47920-	2	6.94219-	3	4.69489-	5	1.29451-	6-3.80424-10	1.67724-10	9749	4	2	1170
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9.18066-	2	1.23408-	2	1.90515-	4	8.01447-	6-3.06434-	9 2.37889-	9749	4	2	1172
0.0	+	0 8.29345+	4	0	0	0	6		09749	4	2	1173
9.53756-	2	1.29156-	2	2.11917-	4	9.21028-	6-3.55607-	9 2.91504-	9749	4	2	1174
0.0	+	0 9.40795+	4	0	0	0	6		09749	4	2	1175
1.09593-	1	1.51806-	2	3.09520-	4	1.50614-	5-5.90125-	9 5.91939-	9749	4	2	1176
0.0	+	0 1.00000+	5	0	0	0	6		09749	4	2	1177
1.16900-	1	1.64293-	2	3.70969-	4	1.89534-	5-7.41090-	9 8.26531-	9749	4	2	1178
0.0	+	0 1.38258+	5	0	0	0	6		09749	4	2	1179
1.62077-	1	2.51949-	2	9.60127-	4	6.58179-	5-1.62872-	8 4.75302-	89749	4	2	1180
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1.75754-	1	2.80988-	2	1.22021-	3	9.01968-	5-1.39155-	8 7.45343-	89749	4	2	1182
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1.82837-	1	2.97420-	2	1.37786-	3	1.05908-	4-9.75850-	9 9.41588-	89749	4	2	1184
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2.27042-	1	4.13669-	2	2.77593-	3	2.69492-	4 1.51967-	7 3.60463-	79749	4	2	1186
0.0	+	0 2.05429+	5	0	0	0	6		09749	4	2	1187
2.32098-	1	4.28617-	2	2.99271-	3	2.98272-	4 2.01942-	7 4.18704-	79749	4	2	1188
0.0	+	0 2.30229+	5	0	0	0	6		09749	4	2	1189
2.54299-	1	4.97500-	2	4.11550-	3	4.59079-	4 5.94106-	7 7.90771-	79749	4	2	1190
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2.95803-	1	6.49455-	2	7.31215-	3	1.01076-	3 3.30582-	6 2.64705-	69749	4	2	1192
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3.06502-	1	6.93897-	2	8.46268-	3	1.24731-	3 7.85800-	6 3.84553-	69749	4	2	1194
2.42646-	8	5.39407-11							9749	4	2	1195
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3.15616-	1	7.33646-	2	9.57881-	3	1.48260-	3 1.06197-	5 5.04691-	69749	4	2	1197
3.38641-	8	7.67113-11							9749	4	2	1198
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3.49059-	1	8.97044-	2	1.51554-	2	2.82954-	3 3.30006-	5 1.41546-	59749	4	2	1200
1.18932-	7	2.92862-10							9749	4	2	1201
0.0	+	0 3.79129+	5	0	0	0	8		09749	4	2	1202
3.51431-	1	9.09835-	2	1.56654-	2	2.96572-	3 3.58529-	5 1.52651-	59749	4	2	1203
1.30396-	7	3.23214-10							9749	4	2	1204
0.0	+	0 3.90776+	5	0	0	0	8		09749	4	2	1205
3.57032-	1	9.40625-	2	1.69386-	2	3.31439-	3 4.36200-	5 1.82635-	59749	4	2	1206
1.62127-	7	4.08030-10							9749	4	2	1207
0.0	+	0 4.00000+	5	0	0	0	8		09749	4	2	1208
3.61504-	1	9.65235-	2	1.79960-	2	3.61239-	3 5.07632-	5 2.09845-	59749	4	2	1209
1.91891-	7	4.88702-10							9749	4	2	1210
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3.67093-	1	9.96383-	2	1.93909-	2	4.01728-	3 6.12028-	5 2.49084-	59749	4	2	1212
2.36262-	7	6.10759-10							9749	4	2	1213
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3.72502-	1	1.02683-	1	2.08134-	2	4.44328-	3 7.30785-	5 2.93088-	59749	4	2	1215
2.87809-	7	7.54867-10							9749	4	2	1216
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3.76213-	1	1.04758-	1	2.18123-	2	4.74953-	3 8.21449-	5 3.26321-	59749	4	2	1218
3.27858-	7	8.68323-10							9749	4	2	1219
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3.98893-	1	1.17585-	1	2.85584-	2	6.96648-	3 1.60434-	4 6.04113-	59749	4	2	1221
6.92386-	7	1.94261-9							9749	4	2	1222
0.0	+	0 5.00000+	5	0	0	0	8		09749	4	2	1223

4.09445-	1	1.23971-	1	3.23429-	2	8.32257-	3	2.18929-	4	8.04757-	59749	4	2	1224
9.81326-	7	2.83056-	9							9749	4	2	1225	
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4.18310-	1	1.29684-	1	3.59964-	2	9.70650-	3	2.86585-	4	1.03229-	49749	4	2	1227
1.32888-	6	3.92883-	9							9749	4	2	1228	
0.0	+	0	6.00000+	5		0		10		09749	4	2	1229	
4.45124-	1	1.50086-	1	5.12315-	2	1.62450-	2	7.26114-	4	2.47978-	49749	4	2	1230
4.87913-	6	4.50699-	7	4.85667-	9	2.14019-	10			9749	4	2	1231	
0.0	+	0	7.00000+	5		0		10		09749	4	2	1232	
4.68148-	1	1.74427-	1	7.36416-	2	2.79507-	2	1.88301-	3	6.09571-	49749	4	2	1233
1.47711-	5	1.54486-	6	1.96317-	8	9.90942-	10			9749	4	2	1234	
0.0	+	0	8.00000+	5		0		10		09749	4	2	1235	
4.83301-	1	1.98193-	1	9.86372-	2	4.38473-	2	4.15945-	3	1.29935-	39749	4	2	1236
3.79727-	5	4.40925-	6	6.51548-	8	3.70608-	9			9749	4	2	1237	
0.0	+	0	9.00000+	5		0		10		09749	4	2	1238	
4.95323-	1	2.22777-	1	1.25422-	1	6.41446-	2	8.11677-	3	2.48056-	39749	4	2	1239
8.60846-	5	1.09464-	5	1.86348-	7	1.17960-	8			9749	4	2	1240	
0.0	+	0	1.00000+	6		0		10		09749	4	2	1241	
5.04561-	1	2.47835-	1	1.52375-	1	8.82772-	2	1.42600-	2	4.31430-	39749	4	2	1242
1.75440-	4	2.41969-	5	4.71328-	7	3.29076-	8			9749	4	2	1243	
0.0	+	0	1.10000+	6		0		10		09749	4	2	1244	
5.12265-	1	2.72966-	1	1.78171-	1	1.15253-	1	2.29262-	2	6.93306-	39749	4	2	1245
3.26655-	4	4.85418-	5	1.07569-	6	8.22752-	8			9749	4	2	1246	
0.0	+	0	1.20000+	6		0		10		09749	4	2	1247	
5.19212-	1	2.97413-	1	2.01708-	1	1.43667-	1	3.41628-	2	1.04053-	29749	4	2	1248
5.62546-	4	8.96508-	5	2.24771-	6	1.87348-	7			9749	4	2	1249	
0.0	+	0	1.30000+	6		0		10		09749	4	2	1250	
5.26683-	1	3.20770-	1	2.22639-	1	1.72209-	1	4.77621-	2	1.47364-	29749	4	2	1251
9.06672-	4	1.54437-	4	4.35613-	6	3.94048-	7			9749	4	2	1252	
0.0	+	0	1.40000+	6		0		12		09749	4	2	1253	
5.35158-	1	3.42537-	1	2.40896-	1	1.99598-	1	6.32739-	2	1.98716-	29749	4	2	1254
1.39187-	3	2.41747-	4	1.12476-	5	8.00323-	7	3.52088-	8	1.08187-	99749	4	2	1255
0.0	+	0	1.60000+	6		0		12		09749	4	2	1256	
5.56428-	1	3.80788-	1	2.70950-	1	2.47757-	1	9.76270-	2	3.19959-	29749	4	2	1257
2.81401-	3	5.53671-	4	3.02655-	5	2.62940-	6	1.31986-	7	4.97196-	99749	4	2	1258
0.0	+	0	1.80000+	6		0		12		09749	4	2	1259	
5.80624-	1	4.11146-	1	2.94656-	1	2.83899-	1	1.32140-	1	4.54572-	29749	4	2	1260
4.92563-	3	1.08934-	3	6.91518-	5	7.20598-	6	4.00835-	7	1.83752-	89749	4	2	1261
0.0	+	0	2.00000+	6		0		12		09749	4	2	1262	
6.05825-	1	4.35572-	1	3.15450-	1	3.08867-	1	1.63391-	1	5.91121-	29749	4	2	1263
7.76959-	3	1.91498-	3	1.39777-	4	1.71952-	5	1.03136-	6	5.75165-	89749	4	2	1264
0.0	+	0	2.50000+	6		0		14		09749	4	2	1265	
6.61320-	1	4.83313-	1	3.63968-	1	3.40177-	1	2.20583-	1	9.03036-	29749	4	2	1266
1.80378-	2	5.59443-	3	5.59658-	4	1.02674-	4	6.53604-	6	7.78358-	79749	4	2	1267
3.30935-	8	3.44833-	10							9749	4	2	1268	
0.0	+	0	3.00000+	6		0		14		09749	4	2	1269	
7.02222-	1	5.26263-	1	4.10133-	1	3.55268-	1	2.54859-	1	1.16729-	19749	4	2	1270
3.20271-	2	1.17598-	2	1.58829-	3	3.74051-	4	2.39873-	5	4.23354-	69749	4	2	1271
2.49455-	7	3.03182-	9							9749	4	2	1272	
0.0	+	0	4.00000+	6		0		16		09749	4	2	1273	
7.58665-	1	6.07543-	1	4.87341-	1	3.89814-	1	2.96711-	1	1.63712-	19749	4	2	1274
6.45200-	2	2.98638-	2	7.51189-	3	2.32587-	3	2.18206-	4	6.80883-	59749	4	2	1275
6.33410-	6	8.74015-	7	3.36235-	8	1.64823-	9			9749	4	2	1276	
0.0	+	0	5.00000+	6		0		16		09749	4	2	1277	
7.95215-	1	6.69654-	1	5.48739-	1	4.41030-	1	3.33270-	1	2.13243-	19749	4	2	1278
1.01295-	1	5.60099-	2	2.38650-	2	8.78406-	3	1.85030-	3	5.28471-	49749	4	2	1279
5.89894-	5	1.07417-	5	5.41773-	7	3.12238-	8			9749	4	2	1280	
0.0	+	0	6.00000+	6		0		18		09749	4	2	1281	
8.15170-	1	7.04739-	1	5.94676-	1	4.89379-	1	3.71800-	1	2.61367-	19749	4	2	1282
1.42335-	1	8.49325-	2	4.90505-	2	2.31597-	2	7.95418-	3	2.06226-	39749	4	2	1283
3.15372-	4	6.38219-	5	1.13540-	5	1.01065-	6	1.27399-	7	8.06191-	99749	4	2	1284
0.0	+	0	6.23890+	6		0		18		09749	4	2	1285	
8.17867-	1	7.08991-	1	6.01780-	1	4.97876-	1	3.80040-	1	2.70911-	19749	4	2	1286
1.51795-	1	9.12447-	2	5.53662-	2	2.77774-	2	1.02120-	2	2.65844-	39749	4	2	1287
4.42295-	4	9.44257-	5	1.76239-	5	1.70168-	6	2.22279-	7	1.44974-	89749	4	2	1288
0.0	+	0	7.00000+	6		0		18		09749	4	2	1289	
8.22207-	1	7.14142-	1	6.15371-	1	5.17571-	1	4.03263-	1	2.96851-	19749	4	2	1290
1.81315-	1	1.11374-	1	7.63519-	2	4.55300-	2	1.96940-	2	5.56416-	39749	4	2	1291
1.20373-	3	3.02907-	4	6.37015-	5	7.67001-	6	1.09646-	6	7.87994-	89749	4	2	1292
0.0	+	0	8.00000+	6		0		20		09749	4	2	1293	
8.21429-	1	7.07836-	1	6.18111-	1	5.31222-	1	4.28180-	1	3.25526-	19749	4	2	1294
2.20977-	1	1.42409-	1	1.07296-	1	7.60493-	2	3.90274-	2	1.33793-	29749	4	2	1295

3.88626-	3	1.15903-	3	2.54786-	4	4.53056-	5	8.93634-	6	9.22597-	79749	4	2	1296
1.08111-	7	6.56755-	9							9749	4	2	1297	
0.0	+	0	9.00000+	6	0	0	20	09749	4	2	1298			
8.19005-	1	6.95834-	1	6.11597-	1	5.35974-	1	4.46371-	1	3.52072-	19749	4	2	1299
2.60495-	1	1.80754-	1	1.41529-	1	1.12642-	1	6.77548-	2	2.85718-	29749	4	2	1300
1.03846-	2	3.42476-	3	8.21967-	4	1.69676-	4	3.73069-	5	4.07008-	69749	4	2	1301
6.23239-	7	4.65872-	8					9749	4	2	1302			
0.0	+	0	1.00000+	7	0	0	20	09749	4	2	1303			
8.21137-	1	6.88536-	1	6.04399-	1	5.35212-	1	4.57760-	1	3.76367-	19749	4	2	1304
2.95975-	1	2.22813-	1	1.77368-	1	1.50388-	1	1.04178-	1	5.31923-	29749	4	2	1305
2.27390-	2	8.06394-	3	2.16702-	3	5.05858-	4	1.23213-	4	2.01849-	59749	4	2	1306
3.25766-	6	5.60246-	7					9749	4	2	1307			
0.0	+	0	1.20000+	7	0	0	20	09749	4	2	1308			
8.45577-	1	7.06185-	1	6.08419-	1	5.35671-	1	4.73077-	1	4.11607-	19749	4	2	1309
3.49611-	1	2.93894-	1	2.45562-	1	2.13950-	1	1.75772-	1	1.17339-	19749	4	2	1310
6.25830-	2	2.67742-	2	9.43082-	3	2.89405-	3	8.37348-	4	1.85331-	49749	4	2	1311
4.04449-	5	8.10490-	6					9749	4	2	1312			
0.0	+	0	1.40000+	7	0	0	20	09749	4	2	1313			
8.79719-	1	7.53618-	1	6.49538-	1	5.70664-	1	5.06431-	1	4.49476-	19749	4	2	1314
3.96950-	1	3.48105-	1	3.03440-	1	2.64020-	1	2.26243-	1	1.73800-	19749	4	2	1315
1.11027-	1	5.89882-	2	2.66698-	2	1.04803-	2	3.65268-	3	1.05255-	39749	4	2	1316
2.91983-	4	6.65958-	5					9749	4	2	1317			
0.0	+	0	1.60000+	7	0	0	20	09749	4	2	1318			
9.09798-	1	8.05982-	1	7.08767-	1	6.27661-	1	5.57071-	1	4.97887-	19749	4	2	1319
4.43981-	1	3.95078-	1	3.49123-	1	3.05576-	1	2.62563-	1	2.14610-	19749	4	2	1320
1.55929-	1	9.81892-	2	5.37838-	2	2.57417-	2	1.07516-	2	3.82828-	39749	4	2	1321
1.22402-	3	3.35213-	4					9749	4	2	1322			
0.0	+	0	1.80000+	7	0	0	20	09749	4	2	1323			
9.30493-	1	8.45720-	1	7.59751-	1	6.81010-	1	6.08775-	1	5.46026-	19749	4	2	1324
4.88203-	1	4.36252-	1	3.86705-	1	3.39881-	1	2.92900-	1	2.44863-	19749	4	2	1325
1.91319-	1	1.35027-	1	8.52753-	2	4.80119-	2	2.38001-	2	1.01987-	29749	4	2	1326
3.81354-	3	1.23202-	3					9749	4	2	1327			
0.0	+	0	1.84610+	7	0	0	20	09749	4	2	1328			
9.30493-	1	8.45720-	1	7.59751-	1	6.81010-	1	6.08775-	1	5.46026-	19749	4	2	1329
4.88203-	1	4.36252-	1	3.86705-	1	3.39881-	1	2.92900-	1	2.44863-	19749	4	2	1330
1.91319-	1	1.35027-	1	8.52753-	2	4.80119-	2	2.38001-	2	1.01987-	29749	4	2	1331
3.81354-	3	1.23202-	3					9749	4	2	1332			
0.0	+	0	2.00000+	7	0	0	20	09749	4	2	1333			
9.30493-	1	8.45720-	1	7.59751-	1	6.81010-	1	6.08775-	1	5.46026-	19749	4	2	1334
4.88203-	1	4.36252-	1	3.86705-	1	3.39881-	1	2.92900-	1	2.44863-	19749	4	2	1335
1.91319-	1	1.35027-	1	8.52753-	2	4.80119-	2	2.38001-	2	1.01987-	29749	4	2	1336
3.81354-	3	1.23202-	3					9749	4	2	1337			
								9749	4	0	1338			
9.72490+	4	2.46935+	2	0	2	0	0	09749	4	16	1339			
0.0	+	0	2.46935+	2	0	1	0	09749	4	16	1340			
0.0	+	0	0.0	+	0	0	1	29749	4	16	1341			
		2	2	0	0	0	0	09749	4	16	1342			
0.0	+	0	6.23890+	6	0	0	1	29749	4	16	1343			
		2	2	0	0	0	0	09749	4	16	1344			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1	9749	4	16	1345			
0.0	+	0	2.00000+	7	0	0	1	29749	4	16	1346			
		2	2	0	0	0	0	09749	4	16	1347			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1	9749	4	16	1348			
								9749	4	0	1349			
9.72490+	4	2.46935+	2	0	2	0	0	09749	4	17	1350			
0.0	+	0	2.46935+	2	0	1	0	09749	4	17	1351			
0.0	+	0	0.0	+	0	0	1	29749	4	17	1352			
		2	2	0	0	0	0	09749	4	17	1353			
0.0	+	0	1.18270+	7	0	0	1	29749	4	17	1354			
		2	2	0	0	0	0	09749	4	17	1355			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1	9749	4	17	1356			
0.0	+	0	2.00000+	7	0	0	1	29749	4	17	1357			
		2	2	0	0	0	0	09749	4	17	1358			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1	9749	4	17	1359			
								9749	4	0	1360			
9.72490+	4	2.46935+	2	0	2	0	0	09749	4	18	1361			
0.0	+	0	2.46935+	2	0	1	0	09749	4	18	1362			
0.0	+	0	0.0	+	0	0	1	29749	4	18	1363			
		2	2	0	0	0	0	09749	4	18	1364			
0.0	+	0	1.00000-	5	0	0	1	29749	4	18	1365			
		2	2	0	0	0	0	09749	4	18	1366			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1	9749	4	18	1367			

0.0	+	0	2.00000+	7	0	0	0	1	29749	4	18	1368			
		2		2	0	0	0	0	09749	4	18	1369			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1		9749	4	18	1370			
									9749	4	0	1371			
9.72490+	4	2.46935+	2	0	0	2	0	0	09749	4	37	1372			
0.0	+	0	2.46935+	2	0	0	1	0	09749	4	37	1373			
0.0	+	0	0.0	+	0	0	0	1	29749	4	37	1374			
		2		2	0	0	0	0	09749	4	37	1375			
0.0	+	0	1.84615+	7	0	0	0	1	29749	4	37	1376			
		2		2	0	0	0	0	09749	4	37	1377			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1		9749	4	37	1378			
0.0	+	0	2.00000+	7	0	0	0	1	29749	4	37	1379			
		2		2	0	0	0	0	09749	4	37	1380			
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1		9749	4	37	1381			
									9749	4	0	1382			
9.72490+	4	2.46935+	2	0	0	1	0	0	09749	4	51	1383			
0.0	+	0	2.46935+	2	0	2	0	0	09749	4	51	1384			
0.0	+	0	0.0	+	0	0	0	1	49749	4	51	1385			
		4		2	0	0	0	0	09749	4	51	1386			
0.0	+	0	8.83564+	3	0	0	0	2	09749	4	51	1387			
0.0	+	0	0.0	+	0	0	0		9749	4	51	1388			
0.0	+	0	8.00000+	6	0	0	0	18	09749	4	51	1389			
0.0	+	0	3.91448-	2	0.0	+ 0-4.51565-	3	0.0	+ 0-1.95190-	39749	4	51	1390		
0.0	+	0-4.85278-	4	0.0	+ 0-1.35512-	4	0.0	+ 0-3.63892-	59749	4	51	1391			
0.0	+	0	4.57541-	7	0.0	+ 0-2.89411-	8	0.0	+ 0-4.95554-	119749	4	51	1392		
0.0	+	0	1.40000+	7	0	0	0	20	09749	4	51	1393			
0.0	+	0	7.80874-	2	0.0	+ 0	1.96943-	3	0.0	+ 0-3.44208-	39749	4	51	1394	
0.0	+	0-1.27373-	3	0.0	+ 0-3.88525-	4	0.0	+ 0-1.80473-	49749	4	51	1395			
0.0	+	0-5.16627-	5	0.0	+ 0-2.44171-	6	0.0	+ 0-4.45957-	79749	4	51	1396			
0.0	+	0-2.83165-	9						9749	4	51	1397			
0.0	+	0	2.00000+	7	0	0	0	20	09749	4	51	1398			
0.0	+	0	1.02225-	1	0.0	+ 0	1.15735-	2	0.0	+ 0-2.51100-	39749	4	51	1399	
0.0	+	0-2.21333-	3	0.0	+ 0-8.02540-	4	0.0	+ 0-2.90099-	49749	4	51	1400			
0.0	+	0-1.49489-	4	0.0	+ 0-5.27606-	5	0.0	+ 0-8.83348-	69749	4	51	1401			
0.0	+	0-5.39043-	7						9749	4	51	1402			
									9749	4	0	1403			
9.72490+	4	2.46935+	2	0	0	1	0	0	09749	4	52	1404			
0.0	+	0	2.46935+	2	0	2	0	0	09749	4	52	1405			
0.0	+	0	0.0	+	0	0	0	1	49749	4	52	1406			
		4		2	0	0	0	0	09749	4	52	1407			
0.0	+	0	3.97604+	4	0	0	0	2	09749	4	52	1408			
0.0	+	0	0.0	+	0	0	0		9749	4	52	1409			
0.0	+	0	8.00000+	6	0	0	0	18	09749	4	52	1410			
0.0	+	0	3.94047-	2	0.0	+ 0	2.30640-	3	0.0	+ 0	6.05141-	49749	4	52	1411
0.0	+	0-1.83242-	5	0.0	+ 0-6.10934-	5	0.0	+ 0	1.34361-	69749	4	52	1412		
0.0	+	0-1.38743-	6	0.0	+ 0	6.73507-	9	0.0	+ 0-8.61752-	119749	4	52	1413		
0.0	+	0	1.40000+	7	0	0	0	20	09749	4	52	1414			
0.0	+	0	7.05019-	2	0.0	+ 0	5.24804-	3	0.0	+ 0	8.60178-	49749	4	52	1415
0.0	+	0	4.52815-	4	0.0	+ 0-1.14519-	5	0.0	+ 0-6.08828-	59749	4	52	1416		
0.0	+	0-1.38163-	5	0.0	+ 0-4.75542-	6	0.0	+ 0-4.80236-	89749	4	52	1417			
0.0	+	0-9.99490-	9						9749	4	52	1418			
0.0	+	0	2.00000+	7	0	0	0	20	09749	4	52	1419			
0.0	+	0	9.32649-	2	0.0	+ 0	1.14505-	2	0.0	+ 0	9.74896-	49749	4	52	1420
0.0	+	0	5.25313-	4	0.0	+ 0	2.79356-	4	0.0	+ 0-1.17764-	59749	4	52	1421	
0.0	+	0-5.62872-	5	0.0	+ 0-2.46189-	5	0.0	+ 0-6.38363-	69749	4	52	1422			
0.0	+	0-9.23100-	7						9749	4	52	1423			
									9749	4	0	1424			
9.72490+	4	2.46935+	2	0	0	1	0	0	09749	4	53	1425			
0.0	+	0	2.46935+	2	0	2	0	0	09749	4	53	1426			
0.0	+	0	0.0	+	0	0	0	1	49749	4	53	1427			
		4		2	0	0	0	0	09749	4	53	1428			
0.0	+	0	4.19693+	4	0	0	0	2	09749	4	53	1429			
0.0	+	0	0.0	+	0	0	0		9749	4	53	1430			
0.0	+	0	8.00000+	6	0	0	0	18	09749	4	53	1431			
0.0	+	0	2.78114-	2	0.0	+ 0	3.53386-	3	0.0	+ 0	3.37033-	49749	4	53	1432
0.0	+	0-7.42091-	5	0.0	+ 0-8.80068-	5	0.0	+ 0-3.71249-	59749	4	53	1433			
0.0	+	0-3.30051-	6	0.0	+ 0-4.03005-	8	0.0	+ 0-6.35101-	99749	4	53	1434			
0.0	+	0	1.40000+	7	0	0	0	20	09749	4	53	1435			
0.0	+	0	4.30836-	2	0.0	+ 0	3.89809-	3	0.0	+ 0	1.29870-	39749	4	53	1436
0.0	+	0	1.10596-	4	0.0	+ 0-4.48811-	5	0.0	+ 0-5.91470-	59749	4	53	1437		
0.0	+	0-3.69963-	5	0.0	+ 0-9.20244-	6	0.0	+ 0-1.03136-	69749	4	53	1438			
0.0	+	0-1.39498-	7						9749	4	53	1439			

0.0	+ 0	2.00000+	7	0	0	20	09749	4	53	1440
0.0	+ 0	6.17092-	2 0.0	+ 0	5.03936-	3 0.0	+ 0	1.61200-	39749	4 53 1441
0.0	+ 0	5.85160-	4 0.0	+ 0	2.89258-	5 0.0	+ 0	-3.62271-	59749	4 53 1442
0.0	+ 0	-3.56155-	5 0.0	+ 0	-2.80363-	5 0.0	+ 0	-1.13948-	59749	4 53 1443
0.0	+ 0	-2.96282-	6					9749	4 53 1444	
								9749	4 0 1445	
9.72490+	4	2.46935+	2	0	1	0	09749	4	54	1446
0.0	+ 0	2.46935+	2	0	2	0	09749	4	54	1447
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	54	1448
	4		2	0	0	0	09749	4	54	1449
0.0	+ 0	8.29345+	4	0	0	2	09749	4	54	1450
0.0	+ 0	0.0	+ 0					9749	4 54 1451	
0.0	+ 0	8.00000+	6	0	0	18	09749	4	54	1452
0.0	+ 0	3.54902-	2 0.0	+ 0	5.35064-	3 0.0	+ 0	1.64367-	39749	4 54 1453
0.0	+ 0	4.37151-	4 0.0	+ 0	1.28467-	4 0.0	+ 0	1.31102-	59749	4 54 1454
0.0	+ 0	1.62347-	6 0.0	+ 0	3.20795-	9 0.0	+ 0	9.75287-	119749	4 54 1455
0.0	+ 0	1.40000+	7	0	0	20	09749	4	54	1456
0.0	+ 0	5.84174-	2 0.0	+ 0	6.20027-	3 0.0	+ 0	2.60389-	39749	4 54 1457
0.0	+ 0	1.00592-	3 0.0	+ 0	3.39973-	4 0.0	+ 0	1.39741-	49749	4 54 1458
0.0	+ 0	3.53648-	5 0.0	+ 0	6.88331-	6 0.0	+ 0	2.31134-	79749	4 54 1459
0.0	+ 0	1.28932-	8					9749	4 54 1460	
0.0	+ 0	2.00000+	7	0	0	20	09749	4	54	1461
0.0	+ 0	7.94981-	2 0.0	+ 0	9.26905-	3 0.0	+ 0	2.57594-	39749	4 54 1462
0.0	+ 0	1.54512-	3 0.0	+ 0	6.39002-	4 0.0	+ 0	2.46257-	49749	4 54 1463
0.0	+ 0	1.18811-	4 0.0	+ 0	4.64221-	5 0.0	+ 0	1.11456-	59749	4 54 1464
0.0	+ 0	1.33049-	6					9749	4 54 1465	
								9749	4 0 1466	
9.72490+	4	2.46935+	2	0	1	0	09749	4	55	1467
0.0	+ 0	2.46935+	2	0	2	0	09749	4	55	1468
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	55	1469
	4		2	0	0	0	09749	4	55	1470
0.0	+ 0	9.40795+	4	0	0	2	09749	4	55	1471
0.0	+ 0	0.0	+ 0					9749	4 55 1472	
0.0	+ 0	8.00000+	6	0	0	18	09749	4	55	1473
0.0	+ 0	1.20354-	2 0.0	+ 0	-1.52756-	3 0.0	+ 0	-1.35793-	39749	4 55 1474
0.0	+ 0	-4.60919-	4 0.0	+ 0	-9.15179-	5 0.0	+ 0	6.83757-	69749	4 55 1475
0.0	+ 0	1.34084-	6 0.0	+ 0	1.47239-	8 0.0	+ 0	3.45743-	99749	4 55 1476
0.0	+ 0	1.40000+	7	0	0	20	09749	4	55	1477
0.0	+ 0	2.51386-	2 0.0	+ 0	-2.61461-	4 0.0	+ 0	-9.03146-	49749	4 55 1478
0.0	+ 0	-6.89018-	4 0.0	+ 0	-2.77740-	4 0.0	+ 0	-7.81350-	59749	4 55 1479
0.0	+ 0	-3.12727-	6 0.0	+ 0	2.60174-	6 0.0	+ 0	4.20913-	79749	4 55 1480
0.0	+ 0	7.55521-	8					9749	4 55 1481	
0.0	+ 0	2.00000+	7	0	0	20	09749	4	55	1482
0.0	+ 0	4.18059-	2 0.0	+ 0	2.46442-	4 0.0	+ 0	-3.51328-	49749	4 55 1483
0.0	+ 0	-6.19643-	4 0.0	+ 0	-4.18754-	4 0.0	+ 0	-1.77490-	49749	4 55 1484
0.0	+ 0	-6.46385-	5 0.0	+ 0	-1.16316-	5 0.0	+ 0	1.28102-	69749	4 55 1485
0.0	+ 0	1.17276-	6					9749	4 55 1486	
								9749	4 0 1487	
9.72490+	4	2.46935+	2	0	1	0	09749	4	56	1488
0.0	+ 0	2.46935+	2	0	2	0	09749	4	56	1489
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	56	1490
	4		2	0	0	0	09749	4	56	1491
0.0	+ 0	1.38258+	5	0	0	2	09749	4	56	1492
0.0	+ 0	0.0	+ 0					9749	4 56 1493	
0.0	+ 0	8.00000+	6	0	0	18	09749	4	56	1494
0.0	+ 0	2.58362-	2 0.0	+ 0	3.08599-	3 0.0	+ 0	3.61956-	49749	4 56 1495
0.0	+ 0	-2.53641-	5 0.0	+ 0	-3.12833-	5 0.0	+ 0	-3.55674-	69749	4 56 1496
0.0	+ 0	-1.05059-	6 0.0	+ 0	1.88040-	9 0.0	+ 0	3.34936-	119749	4 56 1497
0.0	+ 0	1.40000+	7	0	0	20	09749	4	56	1498
0.0	+ 0	4.26031-	2 0.0	+ 0	3.96973-	3 0.0	+ 0	1.30132-	39749	4 56 1499
0.0	+ 0	1.64049-	4 0.0	+ 0	-1.68137-	5 0.0	+ 0	-2.79341-	59749	4 56 1500
0.0	+ 0	-1.21092-	5 0.0	+ 0	-3.66327-	6 0.0	+ 0	-5.82067-	89749	4 56 1501
0.0	+ 0	-4.11102-	9					9749	4 56 1502	
0.0	+ 0	2.00000+	7	0	0	20	09749	4	56	1503
0.0	+ 0	6.16273-	2 0.0	+ 0	5.06437-	3 0.0	+ 0	1.65269-	39749	4 56 1504
0.0	+ 0	6.08693-	4 0.0	+ 0	5.14275-	5 0.0	+ 0	-1.99208-	59749	4 56 1505
0.0	+ 0	-2.24035-	5 0.0	+ 0	-1.65127-	5 0.0	+ 0	-5.41547-	69749	4 56 1506
0.0	+ 0	-5.92368-	7					9749	4 56 1507	
								9749	4 0 1508	
9.72490+	4	2.46935+	2	0	1	0	09749	4	57	1509
0.0	+ 0	2.46935+	2	0	2	0	09749	4	57	1510
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	57	1511

0.0	4	2	0	0	0	09749	4	57	1512
0.0	+ 0 1.56431+	5	0	0	2	09749	4	57	1513
0.0	+ 0 0.0	+ 0	0	0		9749	4	57	1514
0.0	+ 0 8.00000+	6	0	0	18	09749	4	57	1515
0.0	+ 0-5.18395-	3 0.0	+ 0-4.77978-	3 0.0	+ 0-1.01632-	39749	4	57	1516
0.0	+ 0 8.34223-	5 0.0	+ 0 1.26074-	4 0.0	+ 0 1.67614-	59749	4	57	1517
0.0	+ 0 4.62804-	7 0.0	+ 0 7.87110-	9 0.0	+ 0-3.91624-	109749	4	57	1518
0.0	+ 0 1.40000+	7	0	0	20	09749	4	57	1519
0.0	+ 0 7.27524-	3 0.0	+ 0-3.77798-	3 0.0	+ 0-1.72342-	39749	4	57	1520
0.0	+ 0-4.02192-	4 0.0	+ 0 3.59690-	5 0.0	+ 0 7.20614-	59749	4	57	1521
0.0	+ 0 2.12702-	5 0.0	+ 0 2.13440-	6 0.0	+ 0 1.07572-	79749	4	57	1522
0.0	+ 0-1.33392-	8				9749	4	57	1523
0.0	+ 0 2.00000+	7	0	0	20	09749	4	57	1524
0.0	+ 0 2.20852-	2 0.0	+ 0-3.61035-	3 0.0	+ 0-1.62642-	39749	4	57	1525
0.0	+ 0-8.21014-	4 0.0	+ 0-1.84521-	4 0.0	+ 0 2.54827-	59749	4	57	1526
0.0	+ 0 4.66235-	5 0.0	+ 0 2.20878-	5 0.0	+ 0 4.67360-	69749	4	57	1527
0.0	+ 0 2.88212-	7				9749	4	57	1528
						9749	4	0	1529
9.72490+	4 2.46935+	2	0	1	0	09749	4	58	1530
0.0	+ 0 2.46935+	2	0	2	0	09749	4	58	1531
0.0	+ 0 0.0	+ 0	0	0	1	49749	4	58	1532
	4	2	0	0	0	09749	4	58	1533
0.0	+ 0 2.05429+	5	0	0	2	09749	4	58	1534
0.0	+ 0 0.0	+ 0				9749	4	58	1535
0.0	+ 0 8.00000+	6	0	0	18	09749	4	58	1536
0.0	+ 0 1.12252-	2 0.0	+ 0-1.48641-	3 0.0	+ 0-1.14037-	39749	4	58	1537
0.0	+ 0-3.81841-	4 0.0	+ 0-8.79811-	5 0.0	+ 0-1.55014-	59749	4	58	1538
0.0	+ 0 7.71614-	8 0.0	+ 0-1.48080-	8 0.0	+ 0-2.31669-	109749	4	58	1539
0.0	+ 0 1.40000+	7	0	0	20	09749	4	58	1540
0.0	+ 0 2.47966-	2 0.0	+ 0-1.83341-	4 0.0	+ 0-8.84910-	49749	4	58	1541
0.0	+ 0-6.79096-	4 0.0	+ 0-2.75764-	4 0.0	+ 0-9.51382-	59749	4	58	1542
0.0	+ 0-2.23568-	5 0.0	+ 0-1.53631-	6 0.0	+ 0-2.82999-	79749	4	58	1543
0.0	+ 0-1.08281-	8				9749	4	58	1544
0.0	+ 0 2.00000+	7	0	0	20	09749	4	58	1545
0.0	+ 0 4.16103-	2 0.0	+ 0 2.13418-	4 0.0	+ 0-3.70468-	49749	4	58	1546
0.0	+ 0-6.36000-	4 0.0	+ 0-4.32539-	4 0.0	+ 0-1.87637-	49749	4	58	1547
0.0	+ 0-7.50687-	5 0.0	+ 0-2.12796-	5 0.0	+ 0-3.60663-	69749	4	58	1548
0.0	+ 0-6.32504-	7				9749	4	58	1549
						9749	4	0	1550
9.72490+	4 2.46935+	2	0	1	0	09749	4	59	1551
0.0	+ 0 2.46935+	2	0	2	0	09749	4	59	1552
0.0	+ 0 0.0	+ 0	0	0	1	49749	4	59	1553
	4	2	0	0	0	09749	4	59	1554
0.0	+ 0 2.30229+	5	0	0	2	09749	4	59	1555
0.0	+ 0 0.0	+ 0				9749	4	59	1556
0.0	+ 0 8.00000+	6	0	0	18	09749	4	59	1557
0.0	+ 0-2.05574-	2 0.0	+ 0-4.17292-	3 0.0	+ 0 5.31826-	49749	4	59	1558
0.0	+ 0 3.77570-	4 0.0	+ 0-1.58642-	5 0.0	+ 0-2.43125-	59749	4	59	1559
0.0	+ 0-1.53571-	6 0.0	+ 0-1.83522-	8 0.0	+ 0-2.17639-	99749	4	59	1560
0.0	+ 0 1.40000+	7	0	0	20	09749	4	59	1561
0.0	+ 0-9.05001-	3 0.0	+ 0-5.23133-	3 0.0	+ 0-9.00876-	49749	4	59	1562
0.0	+ 0 2.84629-	4 0.0	+ 0 1.95056-	4 0.0	+ 0 2.01111-	59749	4	59	1563
0.0	+ 0-1.31771-	5 0.0	+ 0-3.33316-	6 0.0	+ 0-3.66574-	79749	4	59	1564
0.0	+ 0-3.39887-	8				9749	4	59	1565
0.0	+ 0 2.00000+	7	0	0	20	09749	4	59	1566
0.0	+ 0 3.90975-	3 0.0	+ 0-5.75616-	3 0.0	+ 0-1.60849-	39749	4	59	1567
0.0	+ 0-2.02461-	4 0.0	+ 0 1.96060-	4 0.0	+ 0 1.16706-	49749	4	59	1568
0.0	+ 0 2.40881-	5 0.0	+ 0-5.99666-	6 0.0	+ 0-4.26528-	69749	4	59	1569
0.0	+ 0-9.23315-	7				9749	4	59	1570
						9749	4	0	1571
9.72490+	4 2.46935+	2	0	1	0	09749	4	60	1572
0.0	+ 0 2.46935+	2	0	2	0	09749	4	60	1573
0.0	+ 0 0.0	+ 0	0	0	1	49749	4	60	1574
	4	2	0	0	0	09749	4	60	1575
0.0	+ 0 2.84146+	5	0	0	2	09749	4	60	1576
0.0	+ 0 0.0	+ 0				9749	4	60	1577
0.0	+ 0 8.00000+	6	0	0	18	09749	4	60	1578
0.0	+ 0-4.61412-	3 0.0	+ 0-4.04811-	3 0.0	+ 0-7.69163-	49749	4	60	1579
0.0	+ 0 8.34135-	5 0.0	+ 0 8.40606-	5 0.0	+ 0 2.48011-	59749	4	60	1580
0.0	+ 0 7.04097-	7 0.0	+ 0 2.40420-	8 0.0	+ 0 3.75893-	109749	4	60	1581
0.0	+ 0 1.40000+	7	0	0	20	09749	4	60	1582
0.0	+ 0 7.33009-	3 0.0	+ 0-3.65763-	3 0.0	+ 0-1.65784-	39749	4	60	1583

0.0	+ 0-3.89757-	4 0.0	+ 0 3.86131-	5 0.0	+ 0 7.84184-	59749	4 60	1584
0.0	+ 0 3.44432-	5 0.0	+ 0 4.77838-	6 0.0	+ 0 5.26913-	79749	4 60	1585
0.0	+ 0 2.30518-	8			9749	4 60		1586
0.0	+ 0 2.00000+	7	0	0	20	09749	4 60	1587
0.0	+ 0 2.19866-	2 0.0	+ 0-3.56567-	3 0.0	+ 0-1.60987-	39749	4 60	1588
0.0	+ 0-8.06721-	4 0.0	+ 0-1.72591-	4 0.0	+ 0 3.32650-	59749	4 60	1589
0.0	+ 0 5.57196-	5 0.0	+ 0 3.01446-	5 0.0	+ 0 8.39441-	69749	4 60	1590
0.0	+ 0 1.49868-	6			9749	4 60		1591
					9749	4 0		1592
9.72490+	4 2.46935+	2	0	1	0	09749	4 61	1593
0.0	+ 0 2.46935+	2	0	2	0	09749	4 61	1594
0.0	+ 0 0.0	+ 0	0	0	1	49749	4 61	1595
	4	2	0	0	0	09749	4 61	1596
0.0	+ 0 3.14268+	5	0	0	2	09749	4 61	1597
0.0	+ 0 0.0	+ 0				9749	4 61	1598
0.0	+ 0 8.00000+	6	0	0	18	09749	4 61	1599
0.0	+ 0-3.11991-	2 0.0	+ 0-4.78172-	4 0.0	+ 0 1.18508-	39749	4 61	1600
0.0	+ 0-9.78810-	5 0.0	+ 0-8.22035-	5 0.0	+ 0 2.04951-	59749	4 61	1601
0.0	+ 0 1.84267-	6 0.0	+ 0 1.72297-	8 0.0	+ 0 3.79124-	99749	4 61	1602
0.0	+ 0 1.40000+	7	0	0	20	09749	4 61	1603
0.0	+ 0-2.27002-	2 0.0	+ 0-4.23194-	3 0.0	+ 0 5.26241-	49749	4 61	1604
0.0	+ 0 4.48117-	4 0.0	+ 0-2.01116-	5 0.0	+ 0-5.51010-	59749	4 61	1605
0.0	+ 0-6.16007-	7 0.0	+ 0 2.30856-	6 0.0	+ 0 3.70711-	79749	4 61	1606
0.0	+ 0 6.01317-	8			9749	4 61		1607
0.0	+ 0 2.00000+	7	0	0	20	09749	4 61	1608
0.0	+ 0-1.20413-	2 0.0	+ 0-5.99416-	3 0.0	+ 0-5.99573-	49749	4 61	1609
0.0	+ 0 4.29406-	4 0.0	+ 0 2.16475-	4 0.0	+ 0-9.06270-	69749	4 61	1610
0.0	+ 0-3.63768-	5 0.0	+ 0-9.24276-	6 0.0	+ 0 8.24811-	79749	4 61	1611
0.0	+ 0 8.46936-	7			9749	4 61		1612
					9749	4 0		1613
9.72490+	4 2.46935+	2	0	1	0	09749	4 62	1614
0.0	+ 0 2.46935+	2	0	2	0	09749	4 62	1615
0.0	+ 0 0.0	+ 0	0	0	1	49749	4 62	1616
	4	2	0	0	0	09749	4 62	1617
0.0	+ 0 3.74310+	5	0	0	2	09749	4 62	1618
0.0	+ 0 0.0	+ 0				9749	4 62	1619
0.0	+ 0 8.00000+	6	0	0	18	09749	4 62	1620
0.0	+ 0-1.91920-	2 0.0	+ 0-3.46759-	3 0.0	+ 0 3.42490-	49749	4 62	1621
0.0	+ 0 2.24954-	4 0.0	+ 0 8.14934-	6 0.0	+ 0-1.66929-	59749	4 62	1622
0.0	+ 0-9.44649-	7 0.0	+ 0-2.19047-	8 0.0	+ 0-3.76422-	109749	4 62	1623
0.0	+ 0 1.40000+	7	0	0	20	09749	4 62	1624
0.0	+ 0-8.82494-	3 0.0	+ 0-5.20745-	3 0.0	+ 0-8.85734-	49749	4 62	1625
0.0	+ 0 2.64317-	4 0.0	+ 0 1.73739-	4 0.0	+ 0 1.52147-	59749	4 62	1626
0.0	+ 0-2.03705-	5 0.0	+ 0-4.54625-	6 0.0	+ 0-5.15641-	79749	4 62	1627
0.0	+ 0-2.59078-	8			9749	4 62		1628
0.0	+ 0 2.00000+	7	0	0	20	09749	4 62	1629
0.0	+ 0 3.78450-	3 0.0	+ 0-5.73295-	3 0.0	+ 0-1.61063-	39749	4 62	1630
0.0	+ 0-2.03054-	4 0.0	+ 0 1.91850-	4 0.0	+ 0 1.11050-	49749	4 62	1631
0.0	+ 0 1.57179-	5 0.0	+ 0-1.28091-	5 0.0	+ 0-6.89004-	69749	4 62	1632
0.0	+ 0-1.56416-	6			9749	4 62		1633
					9749	4 0		1634
9.72490+	4 2.46935+	2	0	1	0	09749	4 63	1635
0.0	+ 0 2.46935+	2	0	2	0	09749	4 63	1636
0.0	+ 0 0.0	+ 0	0	0	1	49749	4 63	1637
	4	2	0	0	0	09749	4 63	1638
0.0	+ 0 3.79129+	5	0	0	2	09749	4 63	1639
0.0	+ 0 0.0	+ 0				9749	4 63	1640
0.0	+ 0 8.00000+	6	0	0	18	09749	4 63	1641
0.0	+ 0 4.01230-	2 0.0	+ 0-1.22785-	2 0.0	+ 0-4.54153-	39749	4 63	1642
0.0	+ 0 4.17692-	4 0.0	+ 0 4.83044-	4 0.0	+ 0 7.71632-	69749	4 63	1643
0.0	+ 0-1.85554-	6 0.0	+ 0-7.66767-	9 0.0	+ 0-6.75759-	99749	4 63	1644
0.0	+ 0 1.40000+	7	0	0	20	09749	4 63	1645
0.0	+ 0 8.00900-	2 0.0	+ 0-1.69961-	3 0.0	+ 0-7.45451-	39749	4 63	1646
0.0	+ 0-2.52267-	3 0.0	+ 0 1.96701-	4 0.0	+ 0 4.10372-	49749	4 63	1647
0.0	+ 0 7.47064-	5 0.0	+ 0 1.48093-	6 0.0	+ 0-5.35379-	79749	4 63	1648
0.0	+ 0-1.91800-	7			9749	4 63		1649
0.0	+ 0 2.00000+	7	0	0	20	09749	4 63	1650
0.0	+ 0 1.06518-	1 0.0	+ 0 1.06772-	2 0.0	+ 0-5.67118-	39749	4 63	1651
0.0	+ 0-4.63011-	3 0.0	+ 0-1.46062-	3 0.0	+ 0 1.32020-	49749	4 63	1652
0.0	+ 0 3.25989-	4 0.0	+ 0 1.19459-	4 0.0	+ 0 1.62583-	59749	4 63	1653
0.0	+ 0-1.52096-	6			9749	4 63		1654
					9749	4 0		1655

9.72490+	4	2.46935+	2	0	1	0	09749	4	64	1656
0.0	+ 0	2.46935+	2	0	2	0	09749	4	64	1657
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	64	1658
	4		2	0	0	0	09749	4	64	1659
0.0	+ 0	3.90776+	5	0	0	2	09749	4	64	1660
0.0	+ 0	0.0	+ 0				9749	4	64	1661
0.0	+ 0	8.00000+	6	0	0	18	09749	4	64	1662
0.0	+ 0	4.22569-	2 0.0	+ 0	2.34920-	3 0.0	+ 0	7.32978-	49749	4 64 1663
0.0	+ 0	-1.43781-	4 0.0	+ 0	-9.55335-	5 0.0	+ 0	-4.74223-	59749	4 64 1664
0.0	+ 0	-3.42344-	6 0.0	+ 0	-3.79544-	8 0.0	+ 0	-6.76705-	99749	4 64 1665
0.0	+ 0	1.40000+	7	0	0	20	09749	4	64	1666
0.0	+ 0	6.94491-	2 0.0	+ 0	5.11415-	3 0.0	+ 0	7.73395-	49749	4 64 1667
0.0	+ 0	4.09441-	4 0.0	+ 0	-7.34281-	5 0.0	+ 0	-8.88639-	59749	4 64 1668
0.0	+ 0	-4.63133-	5 0.0	+ 0	-1.09409-	5 0.0	+ 0	-1.24312-	69749	4 64 1669
0.0	+ 0	-1.83932-	7				9749	4	64	1670
0.0	+ 0	2.00000+	7	0	0	20	09749	4	64	1671
0.0	+ 0	9.25114-	2 0.0	+ 0	1.11472-	2 0.0	+ 0	9.01379-	49749	4 64 1672
0.0	+ 0	4.86622-	4 0.0	+ 0	2.44900-	4 0.0	+ 0	-4.04086-	59749	4 64 1673
0.0	+ 0	-7.28013-	5 0.0	+ 0	-3.72192-	5 0.0	+ 0	-1.29380-	59749	4 64 1674
0.0	+ 0	-3.86519-	6				9749	4	64	1675
							9749	4	0	1676
9.72490+	4	2.46935+	2	0	1	0	09749	4	65	1677
0.0	+ 0	2.46935+	2	0	2	0	09749	4	65	1678
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	65	1679
	4		2	0	0	0	09749	4	65	1680
0.0	+ 0	4.11660+	5	0	0	2	09749	4	65	1681
0.0	+ 0	0.0	+ 0				9749	4	65	1682
0.0	+ 0	8.00000+	6	0	0	18	09749	4	65	1683
0.0	+ 0	4.16513-	2 0.0	+ 0	-5.30374-	3 0.0	+ 0	-2.20843-	39749	4 65 1684
0.0	+ 0	-5.27985-	4 0.0	+ 0	-1.97114-	4 0.0	+ 0	2.13190-	59749	4 65 1685
0.0	+ 0	2.65647-	6 0.0	+ 0	2.31460-	8 0.0	+ 0	6.72217-	99749	4 65 1686
0.0	+ 0	1.40000+	7	0	0	20	09749	4	65	1687
0.0	+ 0	7.63424-	2 0.0	+ 0	1.55051-	3 0.0	+ 0	-3.49023-	39749	4 65 1688
0.0	+ 0	-1.26023-	3 0.0	+ 0	-3.68163-	4 0.0	+ 0	-1.65734-	49749	4 65 1689
0.0	+ 0	-1.08495-	5 0.0	+ 0	5.13316-	6 0.0	+ 0	9.16514-	79749	4 65 1690
0.0	+ 0	1.89824-	7				9749	4	65	1691
0.0	+ 0	2.00000+	7	0	0	20	09749	4	65	1692
0.0	+ 0	1.01447-	1 0.0	+ 0	1.12137-	2 0.0	+ 0	-2.55665-	39749	4 65 1693
0.0	+ 0	-2.16516-	3 0.0	+ 0	-7.61066-	4 0.0	+ 0	-2.61067-	49749	4 65 1694
0.0	+ 0	-1.29134-	4 0.0	+ 0	-3.61383-	5 0.0	+ 0	-7.77792-	79749	4 65 1695
0.0	+ 0	2.80751-	6				9749	4	65	1696
							9749	4	0	1697
9.72490+	4	2.46935+	2	0	1	0	09749	4	66	1698
0.0	+ 0	2.46935+	2	0	2	0	09749	4	66	1699
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	66	1700
	4		2	0	0	0	09749	4	66	1701
0.0	+ 0	4.23006+	5	0	0	2	09749	4	66	1702
0.0	+ 0	0.0	+ 0				9749	4	66	1703
0.0	+ 0	8.00000+	6	0	0	18	09749	4	66	1704
0.0	+ 0	4.21762-	2 0.0	+ 0	2.34306-	3 0.0	+ 0	7.30874-	49749	4 66 1705
0.0	+ 0	-1.44584-	4 0.0	+ 0	-9.51608-	5 0.0	+ 0	-4.75096-	59749	4 66 1706
0.0	+ 0	-3.33989-	6 0.0	+ 0	-3.70681-	8 0.0	+ 0	-6.57679-	99749	4 66 1707
0.0	+ 0	1.40000+	7	0	0	20	09749	4	66	1708
0.0	+ 0	6.93664-	2 0.0	+ 0	5.09842-	3 0.0	+ 0	7.73255-	49749	4 66 1709
0.0	+ 0	4.08226-	4 0.0	+ 0	-7.42754-	5 0.0	+ 0	-8.87467-	59749	4 66 1710
0.0	+ 0	-4.63077-	5 0.0	+ 0	-1.08416-	5 0.0	+ 0	-1.23111-	69749	4 66 1711
0.0	+ 0	-1.81195-	7				9749	4	66	1712
0.0	+ 0	2.00000+	7	0	0	20	09749	4	66	1713
0.0	+ 0	9.24478-	2 0.0	+ 0	1.11252-	2 0.0	+ 0	8.98857-	49749	4 66 1714
0.0	+ 0	4.86726-	4 0.0	+ 0	2.44037-	4 0.0	+ 0	-4.08940-	59749	4 66 1715
0.0	+ 0	-7.27474-	5 0.0	+ 0	-3.71546-	5 0.0	+ 0	-1.28869-	59749	4 66 1716
0.0	+ 0	-3.84497-	6				9749	4	66	1717
							9749	4	0	1718
9.72490+	4	2.46935+	2	0	1	0	09749	4	67	1719
0.0	+ 0	2.46935+	2	0	2	0	09749	4	67	1720
0.0	+ 0	0.0	+ 0	0	0	1	49749	4	67	1721
	4		2	0	0	0	09749	4	67	1722
0.0	+ 0	4.30637+	5	0	0	2	09749	4	67	1723
0.0	+ 0	0.0	+ 0				9749	4	67	1724
0.0	+ 0	8.00000+	6	0	0	18	09749	4	67	1725
0.0	+ 0	3.84098-	2 0.0	+ 0	6.10570-	3 0.0	+ 0	1.99695-	39749	4 67 1726
0.0	+ 0	5.99692-	4 0.0	+ 0	2.03597-	4 0.0	+ 0	5.41321-	59749	4 67 1727



0.0	+ 0	3.32628-	6	0.0	+ 0	4.02799-	8	0.0	+ 0	5.90319-	99749	4	67	1728
0.0	+ 0	1.40000+	7			0		0		20	09749	4	67	1729
0.0	+ 0	5.82871-	2	0.0	+ 0	6.41616-	3	0.0	+ 0	2.74754-	39749	4	67	1730
0.0	+ 0	1.08143-	3	0.0	+ 0	3.90526-	4	0.0	+ 0	1.72960-	49749	4	67	1731
0.0	+ 0	6.25054-	5	0.0	+ 0	1.19896-	5	0.0	+ 0	1.24285-	69749	4	67	1732
0.0	+ 0	1.57205-	7								9749	4	67	1733
0.0	+ 0	2.00000+	7			0		0		20	09749	4	67	1734
0.0	+ 0	7.89905-	2	0.0	+ 0	9.22206-	3	0.0	+ 0	2.63231-	39749	4	67	1735
0.0	+ 0	1.57536-	3	0.0	+ 0	6.54849-	4	0.0	+ 0	2.63172-	49749	4	67	1736
0.0	+ 0	1.31971-	4	0.0	+ 0	5.73193-	5	0.0	+ 0	1.68195-	59749	4	67	1737
0.0	+ 0	3.85685-	6								9749	4	67	1738
											9749	4	0	1739
9.72490+	4	2.46935+	2			0		1		0	09749	4	68	1740
0.0	+ 0	2.46935+	2			0		2		0	09749	4	68	1741
0.0	+ 0	0.0	+ 0			0		0		1	49749	4	68	1742
		4	2			0		0		0	09749	4	68	1743
0.0	+ 0	4.76823+	5			0		0		2	09749	4	68	1744
0.0	+ 0	0.0	+ 0								9749	4	68	1745
0.0	+ 0	8.00000+	6			0		0		18	09749	4	68	1746
0.0	+ 0	2.73873-	2	0.0	+ 0	3.47386-	3	0.0	+ 0	3.12507-	49749	4	68	1747
0.0	+ 0	-7.86865-	5	0.0	+ 0	-8.68348-	5	0.0	+ 0	-3.73219-	59749	4	68	1748
0.0	+ 0	-2.38608-	6	0.0	+ 0	-2.93115-	8	0.0	+ 0	-4.39308-	99749	4	68	1749
0.0	+ 0	1.40000+	7			0		0		20	09749	4	68	1750
0.0	+ 0	4.23631-	2	0.0	+ 0	3.88900-	3	0.0	+ 0	1.27504-	39749	4	68	1751
0.0	+ 0	9.96790-	5	0.0	+ 0	-4.51281-	5	0.0	+ 0	-5.97234-	59749	4	68	1752
0.0	+ 0	-3.64174-	5	0.0	+ 0	-8.15941-	6	0.0	+ 0	-8.97948-	79749	4	68	1753
0.0	+ 0	-1.14544-	7								9749	4	68	1754
0.0	+ 0	2.00000+	7			0		0		20	09749	4	68	1755
0.0	+ 0	6.09918-	2	0.0	+ 0	4.96554-	3	0.0	+ 0	1.61572-	39749	4	68	1756
0.0	+ 0	5.68823-	4	0.0	+ 0	2.46306-	5	0.0	+ 0	-3.58220-	59749	4	68	1757
0.0	+ 0	-3.57388-	5	0.0	+ 0	-2.75754-	5	0.0	+ 0	-1.07652-	59749	4	68	1758
0.0	+ 0	-2.73725-	6								9749	4	68	1759
											9749	4	0	1760
9.72490+	4	2.46935+	2			0		2		0	09749	4	91	1761
0.0	+ 0	2.46935+	2			0		1		0	09749	4	91	1762
0.0	+ 0	0.0	+ 0			0		0		1	29749	4	91	1763
		2	2			0		0		0	09749	4	91	1764
0.0	+ 0	5.21102+	5			0		0		1	29749	4	91	1765
		2	2			0		0		0	09749	4	91	1766
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9749	4	91	1767
0.0	+ 0	2.00000+	7			0		0		1	29749	4	91	1768
		2	2			0		0		0	09749	4	91	1769
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9749	4	91	1770
											9749	4	0	1771
											9749	0	0	1772
9.72490+	4	2.46935+	2			0		0		2	09749	5	16	1773
6.23890+	6	0.0	+ 0			0		9		1	29749	5	16	1774
		2	2			0		0		0	09749	5	16	1775
6.23890+	6	5.00000-	1	2.00000+	7	5.00000-	1				9749	5	16	1776
0.0	+ 0	0.0	+ 0			0		0		1	89749	5	16	1777
		8	2			0		0		0	09749	5	16	1778
6.23890+	6	4.74373+	5	8.00000+	6	5.43997+	5	1.00000+	7	6.13249+	59749	5	16	1779
1.20000+	7	6.75229+	5	1.40000+	7	7.31837+	5	1.60000+	7	7.84268+	59749	5	16	1780
1.80000+	7	8.33328+	5	2.00000+	7	8.79594+	5				9749	5	16	1781
6.23890+	6	0.0	+ 0			0		9		1	29749	5	16	1782
		2	2			0		0		0	09749	5	16	1783
6.23890+	6	5.00000-	1	2.00000+	7	5.00000-	1				9749	5	16	1784
0.0	+ 0	0.0	+ 0			0		0		1	89749	5	16	1785
		8	2			0		0		0	09749	5	16	1786
6.23890+	6	4.18935+	5	8.00000+	6	4.18935+	5	1.00000+	7	4.18935+	59749	5	16	1787
1.20000+	7	4.35972+	5	1.40000+	7	5.16497+	5	1.60000+	7	5.86182+	59749	5	16	1788
1.80000+	7	6.48436+	5	2.00000+	7	7.05227+	5				9749	5	16	1789
											9749	5	0	1790
9.72490+	4	2.46935+	2			0		0		3	09749	5	17	1791
1.18271+	7	0.0	+ 0			0		9		1	29749	5	17	1792
		2	2			0		0		0	09749	5	17	1793
1.18271+	7	3.33333-	1	2.00000+	7	3.33333-	1				9749	5	17	1794
0.0	+ 0	0.0	+ 0			0		0		1	69749	5	17	1795
		6	2			0		0		0	09749	5	17	1796
1.18271+	7	6.70104+	5	1.20000+	7	6.75229+	5	1.40000+	7	7.31837+	59749	5	17	1797
1.60000+	7	7.84268+	5	1.80000+	7	8.33328+	5	2.00000+	7	8.79594+	59749	5	17	1798
1.18271+	7	0.0	+ 0			0		9		1	29749	5	17	1799



CF-249 JENDL-3 12/3/85	0	0
9.82490+ 4 2.46935+ 2	1	1 0
0.0 + 0 0.0 + 0	0	0 0
0.0 + 0 0.0 + 0	0	0 103
98-CF-249 JAERI EVAL-MAR85 Y.KIKUCHI AND T.NAKAGAWA	9849	1451 4
JAERI-M85- DIST-	9849	1451 5
HISTORY	9849	1451 6
85-03 NEW EVALUATION FOR JENDL-3 WAS MADE BY Y.KIKUCHI AND T.NAKAGAWA (JAERI). DETAILS ARE GIVEN IN REF. /1/.	9849	1451 7
	9849	1451 8
	9849	1451 9
MF=1 GENERAL INFORMATION	9849	1451 10
MT=451 COMMENTS AND DICTIONARY	9849	1451 11
MT=452 NUMBER OF NEUTRONS PER FISSION	9849	1451 12
SEMI-EMPIRICAL FORMULA BY HOWERTON /2/.	9849	1451 13
MT=455 DELAYED NEUTRON DATA	9849	1451 14
SEMI-EMPIRICAL FORMULA BY TUTTLE /3/.	9849	1451 15
	9849	1451 16
MF=2,MT=151 RESONANCE PARAMETERS	9849	1451 17
RESOLVED RESONANCES FOR MLBW FORMULA : 1.0E-5 EV TO 70 EV	9849	1451 18
RESONANCE ENERGIES, NEUTRON AND FISSION WIDTHS WERE TAKEN	9849	1451 19
FROM THE EXPERIMENTAL DATA OF BENJAMIN+ /4/. THE RADIATIVE	9849	1451 20
WIDTH WAS ASSUMED TO BE 0.04 EV ACCORDING TO DABBS+ /5/.	9849	1451 21
A NEGATIVE RESONANCE WAS ADDED SO AS TO REPRODUCE THE THERMAL	9849	1451 22
CROSS SECTIONS. NO BACKGROUND CORRECTION WAS APPLIED.	9849	1451 23
	9849	1451 24
UNRESOLVED RESONANCES : 70 EV - 30 KEV	9849	1451 25
OBTAINED FROM OPTICAL MODEL CALCULATION:	9849	1451 26
S1=3.15E-4 ,S2=0.83E-4 ,R=9.08 FM.	9849	1451 27
ESTIMATED FROM RESOLVED RESONANCES:	9849	1451 28
DOBS=1.16 EV, GAM-G=40 MILLI-EV ,SO=1.06E-4	9849	1451 29
FISSION WIDTHS WERE ESTIMATED FROM THE CHANNEL THEORY OF	9849	1451 30
FISSION /6/. SO-,S1- AND S2-VALUES WERE ADJUSTED SO AS TO	9849	1451 31
REPRODUCE THE FISSION CROSS SECTION MEASURED BY DABBS+ /5/.	9849	1451 32
	9849	1451 33
CALCULATED 2200 M/S CROSS SECTIONS AND RESONANCE INTEGRALS	9849	1451 34
	9849	1451 35
2200 M/S VALUE RES. INT.		
TOTAL 2176.7 B -	9849	1451 36
ELASTIC 6.22 B -	9849	1451 37
FISSION 1666 B 2217 B	9849	1451 38
CAPTURE 504.5 B 695 B	9849	1451 39
	9849	1451 40
MF=3 NEUTRON CROSS SECTIONS	9849	1451 41
MT=1,2,4,51-63,91,102,251 SIG-T,SIG-EL,SIG-IN,SIG-C,MU-BAR	9849	1451 42
CALCULATED WITH OPTICAL AND STATISTICAL MODELS.	9849	1451 43
OPTICAL POTENTIAL PARAMETERS WERE OBTAINED BY FITTING THE	9849	1451 44
TOTAL CROSS SECTION OF PHILLIPS AND HOWE /7/ FOR AM-241:	9849	1451 45
V = 43.4 - 0.107*EN (MEV)	9849	1451 46
WS = 6.95 - 0.339*EN + 0.0531*EN**2 (MEV)	9849	1451 47
WV = 0 , VSO = 7.0 (MEV)	9849	1451 48
R = RSO = 1.282 , RS = 1.29 (FM)	9849	1451 49
A = ASO = 0.60 , B = 0.5 (FM)	9849	1451 50
STATISTICAL MODEL CALCULATION WITH CASTHY CODE /8/.	9849	1451 51
COMPETING PROCESSES : FISSION,(N,2N),(N,3N),(N,4N).	9849	1451 52
LEVEL FLUCTUATION CONSIDERED.	9849	1451 53
THE LEVEL SCHEME TAKEN FROM REF. /9/.	9849	1451 54
	9849	1451 55
NO. ENERGY(KEV) SPIN-PARITY		
G.S. 0 9/2 -	9849	1451 56
1 62.47 11/2 -	9849	1451 57
2 136.2 13/2 -	9849	1451 58
3 145.0 5/2 +	9849	1451 59
4 188.0 7/2 +	9849	1451 60
5 219.0 15/2 -	9849	1451 61
6 243.1 9/2 +	9849	1451 62
7 379.5 7/2 +	9849	1451 63
8 416.6 1/2 +	9849	1451 64
9 437.5 9/2 +	9849	1451 65
10 440.0 3/2 +	9849	1451 66
11 443.0 7/2 +	9849	1451 67
12 460.0 5/2 +	9849	1451 68
13 500.6 9/2 +	9849	1451 69
CONTINUUM LEVELS ASSUMED ABOVE 550 KEV.	9849	1451 70
THE LEVEL DENSITY PARAMETERS : GILBERT AND CAMERON /10/.	9849	1451 71

GAMMA-RAY STRENGTH FUNCTION OF 3.3E-2 DEDUCED FROM RESONANCE PARAMETERS.	9849 1451	72
	9849 1451	73
	9849 1451	74
MT=16,17,37 (N,2N),(N,3N),(N,4N) CALCULATED WITH EVAPORATION MODEL.	9849 1451	75
	9849 1451	76
	9849 1451	77
MT=18 FISSION	9849 1451	78
EVALUATED ON THE BASIS OF THE MEASURED DATA BY SILBERT/11/ ,DABBS+ /5/ AND KUPRIYANOV+ /12/.	9849 1451	79
	9849 1451	80
	9849 1451	81
MF=4 ANGULAR DISTRIBUTIONS OF SECONDARY NEUTRONS	9849 1451	82
MT=2,51-63 CALCULATED WITH OPTICAL MODEL.	9849 1451	83
MT=16,17,18,37,91 ISOTROPIC IN THE LABORATORY SYSTEM.	9849 1451	84
	9849 1451	85
	9849 1451	86
MF=5 ENERGY DISTRIBUTIONS OF SECONDARY NEUTRONS	9849 1451	87
MT=16,17,37,91 EVAPORATION SPECTRUM.	9849 1451	88
MT=18 MAXWELLIAN FISSION SPECTRUM.	9849 1451	89
TEMPERATURE ESTIMATED FROM SYSTEMATICS OF SMITH+/13/.	9849 1451	90
	9849 1451	91
	9849 1451	92
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	4		56		20		9849	1451	144				
	4		57		20		9849	1451	145				
	4		58		20		9849	1451	146				
	4		59		20		9849	1451	147				
	4		60		20		9849	1451	148				
	4		61		20		9849	1451	149				
	4		62		20		9849	1451	150				
	4		63		20		9849	1451	151				
	4		91		10		9849	1451	152				
	5		16		17		9849	1451	153				
	5		17		22		9849	1451	154				
	5		18		7		9849	1451	155				
	5		37		25		9849	1451	156				
	5		91		10		9849	1451	157				
							9849	1 0	158				
9.82490+	4	2.46935+	2	0	1	0	09849	1452	159				
0.0	+ 0	0.0	+ 0	0	0	2	09849	1452	160				
4.06000+	0	2.14000-	7				9849	1452	161				
							9849	1 0	162				
9.82490+	4	2.46935+	2	0	2	0	09849	1455	163				
0.0	+ 0	0.0	+ 0	0	0	6	09849	1455	164				
1.29000-	2	3.11000-	2	1.34000-	1	3.31000-	1	1.26000+	0	3.21000+	09849	1455	165
0.0	+ 0	0.0	+ 0	0	0	0	1				49849	1455	166
	4		2	0	0	0	0				09849	1455	167
1.00000-	5	2.80000-	3	5.00000+	6	2.80000-	3	7.00000+	6	1.90000-	39849	1455	168
2.00000+	7	1.90000-	3								9849	1455	169
											9849	1 0	170
											9849	0 0	171
9.82490+	4	2.46935+	2	0	0	1					09849	2151	172
9.82490+	4	1.00000+	0	0	0	2					09849	2151	173
1.00000-	5	7.00000+	1	1	2	0					09849	2151	174
4.50000+	0	7.73894-	1	0	0	1					09849	2151	175
2.46935+	2	0.0	+ 0	0	0	336				569849	2151	176	
-1.80000-	1	4.00000+	0	1.74299-	1	9.88999-	5	4.00000-	2	1.34200-	19849	2151	177
7.00000-	1	5.00000+	0	1.67650-	1	6.50000-	4	4.00000-	2	1.27000-	19849	2151	178
3.88000+	0	4.00000+	0	8.62910-	2	2.91000-	4	4.00000-	2	4.60000-	29849	2151	179
5.07000+	0	5.00000+	0	1.85653-	1	6.53000-	4	4.00000-	2	1.45000-	19849	2151	180
7.51000+	0	5.00000+	0	1.02147-	1	1.47000-	4	4.00000-	2	6.20000-	29849	2151	181
8.65000+	0	4.00000+	0	1.65444-	1	4.44000-	4	4.00000-	2	1.25000-	19849	2151	182
9.51000+	0	4.00000+	0	1.60610-	1	1.61000-	3	4.00000-	2	1.19000-	19849	2151	183
1.03600+	1	5.00000+	0	2.13234-	1	2.34000-	4	4.00000-	2	1.73000-	19849	2151	184
1.18800+	1	5.00000+	0	7.50470-	2	4.70000-	5	4.00000-	2	3.50000-	29849	2151	185
1.35200+	1	5.00000+	0	2.01772-	1	7.72000-	4	4.00000-	2	1.61000-	19849	2151	186
1.37100+	1	5.00000+	0	2.38956-	1	9.56000-	4	4.00000-	2	1.98000-	19849	2151	187
1.60300+	1	4.00000+	0	4.07045-	1	1.04500-	3	4.00000-	2	3.66000-	19849	2151	188
1.67900+	1	5.00000+	0	2.26840-	1	1.84000-	3	4.00000-	2	1.85000-	19849	2151	189
1.75100+	1	4.00000+	0	7.00790-	2	7.90000-	5	4.00000-	2	3.00000-	29849	2151	190
1.89500+	1	5.00000+	0	9.03960-	2	3.96000-	4	4.00000-	2	5.00000-	29849	2151	191
2.13200+	1	4.00000+	0	2.13030-	1	9.02999-	3	4.00000-	2	1.64000-	19849	2151	192
2.16500+	1	5.00000+	0	1.63480-	1	1.48000-	3	4.00000-	2	1.22000-	19849	2151	193
2.34100+	1	4.00000+	0	2.65970-	1	9.70000-	4	4.00000-	2	2.25000-	19849	2151	194
2.60000+	1	5.00000+	0	4.64340-	1	1.34000-	3	4.00000-	2	4.23000-	19849	2151	195
2.76400+	1	4.00000+	0	8.45300-	2	5.30000-	4	4.00000-	2	4.40000-	29849	2151	196
2.81500+	1	5.00000+	0	1.11450-	1	1.45000-	3	4.00000-	2	7.00000-	29849	2151	197
2.87000+	1	4.00000+	0	2.40420-	1	4.20000-	4	4.00000-	2	2.00000-	19849	2151	198
3.03700+	1	4.00000+	0	9.13700-	2	3.70000-	4	4.00000-	2	5.10000-	29849	2151	199
3.10000+	1	5.00000+	0	3.41110-	1	1.11000-	3	4.00000-	2	3.00000-	19849	2151	200
3.15000+	1	4.00000+	0	2.41370-	1	1.37000-	3	4.00000-	2	2.00000-	19849	2151	201
3.33900+	1	5.00000+	0	3.67100-	1	1.10000-	3	4.00000-	2	3.26000-	19849	2151	202
3.63500+	1	5.00000+	0	1.39250-	1	2.25000-	3	4.00000-	2	9.69999-	29849	2151	203
3.71100+	1	4.00000+	0	1.92110-	1	3.11000-	3	4.00000-	2	1.49000-	19849	2151	204
3.75600+	1	5.00000+	0	3.31060-	1	1.06000-	3	4.00000-	2	2.90000-	19849	2151	205
3.81000+	1	4.00000+	0	2.41030-	1	1.03000-	3	4.00000-	2	2.00000-	19849	2151	206
3.98800+	1	5.00000+	0	2.11120-	1	2.12000-	3	4.00000-	2	1.69000-	19849	2151	207
4.03000+	1	4.00000+	0	2.65880-	1	3.88000-	3	4.00000-	2	2.22000-	19849	2151	208
4.30900+	1	4.00000+	0	1.40300-	1	3.00000-	4	4.00000-	2	1.00000-	19849	2151	209
4.57800+	1	5.00000+	0	1.37340-	1	2.34000-	3	4.00000-	2	9.50000-	29849	2151	210
4.77000+	1	4.00000+	0	5.40770-	1	7.70000-	4	4.00000-	2	5.00000-	19849	2151	211
4.85000+	1	5.00000+	0	3.67300-	1	3.30000-	3	4.00000-	2	3.24000-	19849	2151	212
5.16300+	1	4.00000+	0	4.17550-	1	2.55000-	3	4.00000-	2	3.75000-	19849	2151	213
5.22300+	1	5.00000+	0	1.80300-	1	8.29999-	3	4.00000-	2	1.32000-	19849	2151	214
5.40200+	1	4.00000+	0	5.09800-	1	4.80000-	3	4.00000-	2	4.65000-	19849	2151	215

5.62800+	1	5.00000+	0	5.19300-	1	4.30000-	3	4.00000-	2	4.75000-	19849	2151	216
5.77000+	1	4.00000+	0	6.84000-	1	6.00000-	3	4.00000-	2	6.38000-	19849	2151	217
5.88000+	1	5.00000+	0	2.31400-	1	1.40000-	3	4.00000-	2	1.90000-	19849	2151	218
6.11000+	1	4.00000+	0	7.53300-	1	2.30000-	3	4.00000-	2	7.11000-	19849	2151	219
6.42000+	1	5.00000+	0	1.07558+	0	5.80000-	4	4.00000-	2	1.03500+	09849	2151	220
6.59000+	1	5.00000+	0	2.87500-	1	5.50000-	3	4.00000-	2	2.42000-	19849	2151	221
6.95000+	1	4.00000+	0	1.01100-	1	1.10000-	3	4.00000-	2	6.00000-	29849	2151	222
7.46000+	1	5.00000+	0	1.20694+	0	9.40000-	4	4.00000-	2	1.16600+	09849	2151	223
7.55000+	1	4.00000+	0	1.71540-	1	1.54000-	3	4.00000-	2	1.30000-	19849	2151	224
7.74000+	1	5.00000+	0	6.46700-	1	1.70000-	3	4.00000-	2	6.05000-	19849	2151	225
7.87000+	1	4.00000+	0	8.46000-	2	6.00000-	4	4.00000-	2	4.40000-	29849	2151	226
7.97000+	1	5.00000+	0	1.92000-	1	3.00000-	3	4.00000-	2	1.49000-	19849	2151	227
8.15000+	1	4.00000+	0	8.24000-	2	2.40000-	3	4.00000-	2	4.00000-	29849	2151	228
8.52000+	1	5.00000+	0	5.32900-	1	2.90000-	3	4.00000-	2	4.90000-	19849	2151	229
8.66000+	1	4.00000+	0	1.90300-	1	3.00000-	4	4.00000-	2	1.50000-	19849	2151	230
8.80000+	1	5.00000+	0	2.31600-	1	3.60000-	3	4.00000-	2	1.88000-	19849	2151	231
8.98000+	1	4.00000+	0	5.05300-	2	5.30000-	4	4.00000-	2	1.00000-	29849	2151	232
7.00000+	1	3.00000+	4		2		2		0		09849	2151	233
4.50000+	0	9.07910-	1		0		0		3		09849	2151	234
2.46935+	2	0.0	+ 0		0		0		2		09849	2151	235
4.00000+	0	0.0	+ 0		2		0		156		259849	2151	236
0.0	+ 0	0.0	+ 0	0.0	+ 0	1.00000+	0	0.0	+ 0	1.00000+	09849	2151	237
7.00000+	1	3.20950+	0	0.0	+ 0	1.59690-	4	4.00000-	2	2.92790-	19849	2151	238
8.00000+	1	3.20940+	0	0.0	+ 0	2.09700-	4	4.00000-	2	2.92790-	19849	2151	239
1.00000+	2	3.20930+	0	0.0	+ 0	3.12910-	4	4.00000-	2	2.92790-	19849	2151	240
1.25000+	2	3.20910+	0	0.0	+ 0	4.92440-	4	4.00000-	2	2.92790-	19849	2151	241
1.75000+	2	3.20880+	0	0.0	+ 0	2.71400-	4	4.00000-	2	2.92790-	19849	2151	242
2.50000+	2	3.20820+	0	0.0	+ 0	4.38600-	4	4.00000-	2	2.92790-	19849	2151	243
3.00000+	2	3.20790+	0	0.0	+ 0	4.23420-	4	4.00000-	2	2.92790-	19849	2151	244
4.00000+	2	3.20720+	0	0.0	+ 0	3.77090-	4	4.00000-	2	2.92790-	19849	2151	245
5.00000+	2	3.20650+	0	0.0	+ 0	3.73180-	4	4.00000-	2	2.92790-	19849	2151	246
6.00000+	2	3.20580+	0	0.0	+ 0	3.68530-	4	4.00000-	2	2.92790-	19849	2151	247
8.00000+	2	3.20440+	0	0.0	+ 0	3.46230-	4	4.00000-	2	2.92790-	19849	2151	248
1.00000+	3	3.20300+	0	0.0	+ 0	3.52960-	4	4.00000-	2	2.92790-	19849	2151	249
1.25000+	3	3.20130+	0	0.0	+ 0	3.77210-	4	4.00000-	2	2.92790-	19849	2151	250
1.50000+	3	3.19950+	0	0.0	+ 0	3.68960-	4	4.00000-	2	2.92790-	19849	2151	251
1.75000+	3	3.19780+	0	0.0	+ 0	3.44080-	4	4.00000-	2	2.92790-	19849	2151	252
2.00000+	3	3.19610+	0	0.0	+ 0	3.47500-	4	4.00000-	2	2.92790-	19849	2151	253
3.00000+	3	3.18910+	0	0.0	+ 0	3.34730-	4	4.00000-	2	2.92790-	19849	2151	254
4.00000+	3	3.18220+	0	0.0	+ 0	3.32150-	4	4.00000-	2	2.92790-	19849	2151	255
5.00000+	3	3.17530+	0	0.0	+ 0	3.26540-	4	4.00000-	2	2.92790-	19849	2151	256
6.00000+	3	3.16840+	0	0.0	+ 0	3.17770-	4	4.00000-	2	2.92790-	19849	2151	257
8.00000+	3	3.15460+	0	0.0	+ 0	3.16740-	4	4.00000-	2	2.92790-	19849	2151	258
1.00000+	4	3.14090+	0	0.0	+ 0	3.21580-	4	4.00000-	2	2.92790-	19849	2151	259
1.50000+	4	3.10700+	0	0.0	+ 0	3.14700-	4	4.00000-	2	2.92790-	19849	2151	260
2.00000+	4	3.07340+	0	0.0	+ 0	3.10610-	4	4.00000-	2	2.92790-	19849	2151	261
3.00000+	4	3.00740+	0	0.0	+ 0	3.18790-	4	4.00000-	2	2.92790-	19849	2151	262
5.00000+	0	0.0	+ 0		2		0		156		259849	2151	263
0.0	+ 0	0.0	+ 0	0.0	+ 0	1.00000+	0	0.0	+ 0	2.00000+	09849	2151	264
7.00000+	1	2.62600+	0	0.0	+ 0	1.30650-	4	4.00000-	2	4.83440-	19849	2151	265
8.00000+	1	2.62590+	0	0.0	+ 0	1.71570-	4	4.00000-	2	4.83440-	19849	2151	266
1.00000+	2	2.62580+	0	0.0	+ 0	2.56020-	4	4.00000-	2	4.83440-	19849	2151	267
1.25000+	2	2.62560+	0	0.0	+ 0	4.02900-	4	4.00000-	2	4.83440-	19849	2151	268
1.75000+	2	2.62540+	0	0.0	+ 0	2.22050-	4	4.00000-	2	4.83440-	19849	2151	269
2.50000+	2	2.62490+	0	0.0	+ 0	3.58850-	4	4.00000-	2	4.83440-	19849	2151	270
3.00000+	2	2.62460+	0	0.0	+ 0	3.46430-	4	4.00000-	2	4.83440-	19849	2151	271
4.00000+	2	2.62410+	0	0.0	+ 0	3.08530-	4	4.00000-	2	4.83440-	19849	2151	272
5.00000+	2	2.62350+	0	0.0	+ 0	3.05330-	4	4.00000-	2	4.83440-	19849	2151	273
6.00000+	2	2.62290+	0	0.0	+ 0	3.01530-	4	4.00000-	2	4.83440-	19849	2151	274
8.00000+	2	2.62180+	0	0.0	+ 0	2.83280-	4	4.00000-	2	4.83440-	19849	2151	275
1.00000+	3	2.62060+	0	0.0	+ 0	2.88780-	4	4.00000-	2	4.83440-	19849	2151	276
1.25000+	3	2.61920+	0	0.0	+ 0	3.08630-	4	4.00000-	2	4.83440-	19849	2151	277
1.50000+	3	2.61780+	0	0.0	+ 0	3.01880-	4	4.00000-	2	4.83440-	19849	2151	278
1.75000+	3	2.61640+	0	0.0	+ 0	2.81520-	4	4.00000-	2	4.83440-	19849	2151	279
2.00000+	3	2.61500+	0	0.0	+ 0	2.84320-	4	4.00000-	2	4.83440-	19849	2151	280
3.00000+	3	2.60930+	0	0.0	+ 0	2.73870-	4	4.00000-	2	4.83440-	19849	2151	281
4.00000+	3	2.60360+	0	0.0	+ 0	2.71760-	4	4.00000-	2	4.83440-	19849	2151	282
5.00000+	3	2.59790+	0	0.0	+ 0	2.67170-	4	4.00000-	2	4.83440-	19849	2151	283
6.00000+	3	2.59230+	0	0.0	+ 0	2.59990-	4	4.00000-	2	4.83440-	19849	2151	284
8.00000+	3	2.58100+	0	0.0	+ 0	2.59150-	4	4.00000-	2	4.83440-	19849	2151	285
1.00000+	4	2.56980+	0	0.0	+ 0	2.63110-	4	4.00000-	2	4.83440-	19849	2151	286
1.50000+	4	2.54210+	0	0.0	+ 0	2.57480-	4	4.00000-	2	4.83440-	19849	2151	287

2.00000+	4	2.51460+	0	0.0	+ 0	2.54140-	4	4.00000-	2	4.83440-	19849	2151	288
3.00000+	4	2.46060+	0	0.0	+ 0	2.60830-	4	4.00000-	2	4.83440-	19849	2151	289
2.46935+	2	0.0	+ 0		1		0		4		09849	2151	290
3.00000+	0	0.0	+ 0		2		0		156		259849	2151	291
0.0	+ 0	0.0	+ 0	0.0	+ 0	1.00000+	0	0.0	+ 0	1.00000+	09849	2151	292
7.00000+	1	4.12650+	0	0.0	+ 0	6.10130-	4	4.00000-	2	3.81300-	19849	2151	293
8.00000+	1	4.12640+	0	0.0	+ 0	8.01200-	4	4.00000-	2	3.81300-	19849	2151	294
1.00000+	2	4.12620+	0	0.0	+ 0	1.19560-	3	4.00000-	2	3.81300-	19849	2151	295
1.25000+	2	4.12600+	0	0.0	+ 0	1.88150-	3	4.00000-	2	3.81300-	19849	2151	296
1.75000+	2	4.12560+	0	0.0	+ 0	1.03690-	3	4.00000-	2	3.81300-	19849	2151	297
2.50000+	2	4.12490+	0	0.0	+ 0	1.67580-	3	4.00000-	2	3.81300-	19849	2151	298
3.00000+	2	4.12440+	0	0.0	+ 0	1.61780-	3	4.00000-	2	3.81300-	19849	2151	299
4.00000+	2	4.12350+	0	0.0	+ 0	1.44080-	3	4.00000-	2	3.81300-	19849	2151	300
5.00000+	2	4.12260+	0	0.0	+ 0	1.42580-	3	4.00000-	2	3.81300-	19849	2151	301
6.00000+	2	4.12170+	0	0.0	+ 0	1.40810-	3	4.00000-	2	3.81300-	19849	2151	302
8.00000+	2	4.12000+	0	0.0	+ 0	1.32280-	3	4.00000-	2	3.81300-	19849	2151	303
1.00000+	3	4.11820+	0	0.0	+ 0	1.34860-	3	4.00000-	2	3.81300-	19849	2151	304
1.25000+	3	4.11590+	0	0.0	+ 0	1.44120-	3	4.00000-	2	3.81300-	19849	2151	305
1.50000+	3	4.11370+	0	0.0	+ 0	1.40970-	3	4.00000-	2	3.81300-	19849	2151	306
1.75000+	3	4.11140+	0	0.0	+ 0	1.31470-	3	4.00000-	2	3.81300-	19849	2151	307
2.00000+	3	4.10920+	0	0.0	+ 0	1.32770-	3	4.00000-	2	3.81300-	19849	2151	308
3.00000+	3	4.10030+	0	0.0	+ 0	1.27890-	3	4.00000-	2	3.81300-	19849	2151	309
4.00000+	3	4.09140+	0	0.0	+ 0	1.26910-	3	4.00000-	2	3.81300-	19849	2151	310
5.00000+	3	4.08250+	0	0.0	+ 0	1.24760-	3	4.00000-	2	3.81300-	19849	2151	311
6.00000+	3	4.07360+	0	0.0	+ 0	1.21410-	3	4.00000-	2	3.81300-	19849	2151	312
8.00000+	3	4.05590+	0	0.0	+ 0	1.21020-	3	4.00000-	2	3.81300-	19849	2151	313
1.00000+	4	4.03830+	0	0.0	+ 0	1.22870-	3	4.00000-	2	3.81300-	19849	2151	314
1.50000+	4	3.99470+	0	0.0	+ 0	1.20240-	3	4.00000-	2	3.81300-	19849	2151	315
2.00000+	4	3.95150+	0	0.0	+ 0	1.18680-	3	4.00000-	2	3.81300-	19849	2151	316
3.00000+	4	3.86670+	0	0.0	+ 0	1.21800-	3	4.00000-	2	3.81300-	19849	2151	317
4.00000+	0	0.0	+ 0		2		0		156		259849	2151	318
0.0	+ 0	0.0	+ 0	0.0	+ 0	2.00000+	0	0.0	+ 0	2.00000+	09849	2151	319
7.00000+	1	3.20950+	0	0.0	+ 0	4.74540-	4	4.00000-	2	5.85570-	19849	2151	320
8.00000+	1	3.20940+	0	0.0	+ 0	6.23150-	4	4.00000-	2	5.85570-	19849	2151	321
1.00000+	2	3.20930+	0	0.0	+ 0	9.29880-	4	4.00000-	2	5.85570-	19849	2151	322
1.25000+	2	3.20910+	0	0.0	+ 0	1.46340-	3	4.00000-	2	5.85570-	19849	2151	323
1.75000+	2	3.20880+	0	0.0	+ 0	8.06510-	4	4.00000-	2	5.85570-	19849	2151	324
2.50000+	2	3.20820+	0	0.0	+ 0	1.30340-	3	4.00000-	2	5.85570-	19849	2151	325
3.00000+	2	3.20790+	0	0.0	+ 0	1.25830-	3	4.00000-	2	5.85570-	19849	2151	326
4.00000+	2	3.20720+	0	0.0	+ 0	1.12060-	3	4.00000-	2	5.85570-	19849	2151	327
5.00000+	2	3.20650+	0	0.0	+ 0	1.10900-	3	4.00000-	2	5.85570-	19849	2151	328
6.00000+	2	3.20580+	0	0.0	+ 0	1.09520-	3	4.00000-	2	5.85570-	19849	2151	329
8.00000+	2	3.20440+	0	0.0	+ 0	1.02890-	3	4.00000-	2	5.85570-	19849	2151	330
1.00000+	3	3.20300+	0	0.0	+ 0	1.04890-	3	4.00000-	2	5.85570-	19849	2151	331
1.25000+	3	3.20130+	0	0.0	+ 0	1.12100-	3	4.00000-	2	5.85570-	19849	2151	332
1.50000+	3	3.19950+	0	0.0	+ 0	1.09640-	3	4.00000-	2	5.85570-	19849	2151	333
1.75000+	3	3.19780+	0	0.0	+ 0	1.02250-	3	4.00000-	2	5.85570-	19849	2151	334
2.00000+	3	3.19610+	0	0.0	+ 0	1.03270-	3	4.00000-	2	5.85570-	19849	2151	335
3.00000+	3	3.18910+	0	0.0	+ 0	9.94710-	4	4.00000-	2	5.85570-	19849	2151	336
4.00000+	3	3.18220+	0	0.0	+ 0	9.87050-	4	4.00000-	2	5.85570-	19849	2151	337
5.00000+	3	3.17530+	0	0.0	+ 0	9.70370-	4	4.00000-	2	5.85570-	19849	2151	338
6.00000+	3	3.16840+	0	0.0	+ 0	9.44310-	4	4.00000-	2	5.85570-	19849	2151	339
8.00000+	3	3.15460+	0	0.0	+ 0	9.41260-	4	4.00000-	2	5.85570-	19849	2151	340
1.00000+	4	3.14090+	0	0.0	+ 0	9.55640-	4	4.00000-	2	5.85570-	19849	2151	341
1.50000+	4	3.10700+	0	0.0	+ 0	9.35180-	4	4.00000-	2	5.85570-	19849	2151	342
2.00000+	4	3.07340+	0	0.0	+ 0	9.23040-	4	4.00000-	2	5.85570-	19849	2151	343
3.00000+	4	3.00740+	0	0.0	+ 0	9.47340-	4	4.00000-	2	5.85570-	19849	2151	344
5.00000+	0	0.0	+ 0		2		0		156		259849	2151	345
0.0	+ 0	0.0	+ 0	0.0	+ 0	2.00000+	0	0.0	+ 0	1.00000+	09849	2151	346
7.00000+	1	2.62600+	0	0.0	+ 0	3.88260-	4	4.00000-	2	2.38310-	19849	2151	347
8.00000+	1	2.62590+	0	0.0	+ 0	5.09850-	4	4.00000-	2	2.38310-	19849	2151	348
1.00000+	2	2.62580+	0	0.0	+ 0	7.60810-	4	4.00000-	2	2.38310-	19849	2151	349
1.25000+	2	2.62560+	0	0.0	+ 0	1.19730-	3	4.00000-	2	2.38310-	19849	2151	350
1.75000+	2	2.62540+	0	0.0	+ 0	6.59870-	4	4.00000-	2	2.38310-	19849	2151	351
2.50000+	2	2.62490+	0	0.0	+ 0	1.06640-	3	4.00000-	2	2.38310-	19849	2151	352
3.00000+	2	2.62460+	0	0.0	+ 0	1.02950-	3	4.00000-	2	2.38310-	19849	2151	353
4.00000+	2	2.62410+	0	0.0	+ 0	9.16860-	4	4.00000-	2	2.38310-	19849	2151	354
5.00000+	2	2.62350+	0	0.0	+ 0	9.07350-	4	4.00000-	2	2.38310-	19849	2151	355
6.00000+	2	2.62290+	0	0.0	+ 0	8.96050-	4	4.00000-	2	2.38310-	19849	2151	356
8.00000+	2	2.62180+	0	0.0	+ 0	8.41810-	4	4.00000-	2	2.38310-	19849	2151	357
1.00000+	3	2.62060+	0	0.0	+ 0	8.58170-	4	4.00000-	2	2.38310-	19849	2151	358
1.25000+	3	2.61920+	0	0.0	+ 0	9.17150-	4	4.00000-	2	2.38310-	19849	2151	359

1.50000+	3	2.61780+	0	0.0	+ 0	8.97080-	4	4.00000-	2	2.38310-	19849	2151	360	
1.75000+	3	2.61640+	0	0.0	+ 0	8.36600-	4	4.00000-	2	2.38310-	19849	2151	361	
2.00000+	3	2.61500+	0	0.0	+ 0	8.44910-	4	4.00000-	2	2.38310-	19849	2151	362	
3.00000+	3	2.60930+	0	0.0	+ 0	8.13850-	4	4.00000-	2	2.38310-	19849	2151	363	
4.00000+	3	2.60360+	0	0.0	+ 0	8.07590-	4	4.00000-	2	2.38310-	19849	2151	364	
5.00000+	3	2.59790+	0	0.0	+ 0	7.93940-	4	4.00000-	2	2.38310-	19849	2151	365	
6.00000+	3	2.59230+	0	0.0	+ 0	7.72620-	4	4.00000-	2	2.38310-	19849	2151	366	
8.00000+	3	2.58100+	0	0.0	+ 0	7.70120-	4	4.00000-	2	2.38310-	19849	2151	367	
1.00000+	4	2.56980+	0	0.0	+ 0	7.81880-	4	4.00000-	2	2.38310-	19849	2151	368	
1.50000+	4	2.54210+	0	0.0	+ 0	7.65150-	4	4.00000-	2	2.38310-	19849	2151	369	
2.00000+	4	2.51460+	0	0.0	+ 0	7.55220-	4	4.00000-	2	2.38310-	19849	2151	370	
3.00000+	4	2.46060+	0	0.0	+ 0	7.75100-	4	4.00000-	2	2.38310-	19849	2151	371	
6.00000+	0	0.0	+	0	2	0	0	156		259849	2151	372		
0.0	+	0	0.0	+	0	1.00000+	0	0.0	+	0	2.00000+	09849	2151	373
7.00000+	1	2.22200+	0	0.0	+ 0	3.28530-	4	4.00000-	2	4.08540-	19849	2151	374	
8.00000+	1	2.22190+	0	0.0	+ 0	4.31410-	4	4.00000-	2	4.08540-	19849	2151	375	
1.00000+	2	2.22180+	0	0.0	+ 0	6.43760-	4	4.00000-	2	4.08540-	19849	2151	376	
1.25000+	2	2.22170+	0	0.0	+ 0	1.01310-	3	4.00000-	2	4.08540-	19849	2151	377	
1.75000+	2	2.22150+	0	0.0	+ 0	5.58350-	4	4.00000-	2	4.08540-	19849	2151	378	
2.50000+	2	2.22110+	0	0.0	+ 0	9.02340-	4	4.00000-	2	4.08540-	19849	2151	379	
3.00000+	2	2.22090+	0	0.0	+ 0	8.71110-	4	4.00000-	2	4.08540-	19849	2151	380	
4.00000+	2	2.22040+	0	0.0	+ 0	7.75800-	4	4.00000-	2	4.08540-	19849	2151	381	
5.00000+	2	2.21990+	0	0.0	+ 0	7.67760-	4	4.00000-	2	4.08540-	19849	2151	382	
6.00000+	2	2.21940+	0	0.0	+ 0	7.58200-	4	4.00000-	2	4.08540-	19849	2151	383	
8.00000+	2	2.21840+	0	0.0	+ 0	7.12300-	4	4.00000-	2	4.08540-	19849	2151	384	
1.00000+	3	2.21750+	0	0.0	+ 0	7.26150-	4	4.00000-	2	4.08540-	19849	2151	385	
1.25000+	3	2.21630+	0	0.0	+ 0	7.76050-	4	4.00000-	2	4.08540-	19849	2151	386	
1.50000+	3	2.21510+	0	0.0	+ 0	7.59070-	4	4.00000-	2	4.08540-	19849	2151	387	
1.75000+	3	2.21390+	0	0.0	+ 0	7.07890-	4	4.00000-	2	4.08540-	19849	2151	388	
2.00000+	3	2.21270+	0	0.0	+ 0	7.14930-	4	4.00000-	2	4.08540-	19849	2151	389	
3.00000+	3	2.20780+	0	0.0	+ 0	6.88640-	4	4.00000-	2	4.08540-	19849	2151	390	
4.00000+	3	2.20300+	0	0.0	+ 0	6.83340-	4	4.00000-	2	4.08540-	19849	2151	391	
5.00000+	3	2.19830+	0	0.0	+ 0	6.71800-	4	4.00000-	2	4.08540-	19849	2151	392	
6.00000+	3	2.19350+	0	0.0	+ 0	6.53750-	4	4.00000-	2	4.08540-	19849	2151	393	
8.00000+	3	2.18400+	0	0.0	+ 0	6.51640-	4	4.00000-	2	4.08540-	19849	2151	394	
1.00000+	4	2.17450+	0	0.0	+ 0	6.61590-	4	4.00000-	2	4.08540-	19849	2151	395	
1.50000+	4	2.15100+	0	0.0	+ 0	6.47440-	4	4.00000-	2	4.08540-	19849	2151	396	
2.00000+	4	2.12770+	0	0.0	+ 0	6.39030-	4	4.00000-	2	4.08540-	19849	2151	397	
3.00000+	4	2.08210+	0	0.0	+ 0	6.55850-	4	4.00000-	2	4.08540-	19849	2151	398	
2.46935+	2	0.0	+	0	2	0	0	6		09849	2151	399		
2.00000+	0	0.0	+	0	2	0	0	156		259849	2151	400		
0.0	+	0	0.0	+	0	1.00000+	0	0.0	+	0	1.00000+	09849	2151	401
7.00000+	1	5.77710+	0	0.0	+ 0	2.25070-	4	4.00000-	2	5.31100-	19849	2151	402	
8.00000+	1	5.77700+	0	0.0	+ 0	2.95550-	4	4.00000-	2	5.31100-	19849	2151	403	
1.00000+	2	5.77670+	0	0.0	+ 0	4.41030-	4	4.00000-	2	5.31100-	19849	2151	404	
1.25000+	2	5.77640+	0	0.0	+ 0	6.94060-	4	4.00000-	2	5.31100-	19849	2151	405	
1.75000+	2	5.77580+	0	0.0	+ 0	3.82510-	4	4.00000-	2	5.31100-	19849	2151	406	
2.50000+	2	5.77480+	0	0.0	+ 0	6.18170-	4	4.00000-	2	5.31100-	19849	2151	407	
3.00000+	2	5.77420+	0	0.0	+ 0	5.96780-	4	4.00000-	2	5.31100-	19849	2151	408	
4.00000+	2	5.77300+	0	0.0	+ 0	5.31490-	4	4.00000-	2	5.31100-	19849	2151	409	
5.00000+	2	5.77170+	0	0.0	+ 0	5.25970-	4	4.00000-	2	5.31100-	19849	2151	410	
6.00000+	2	5.77040+	0	0.0	+ 0	5.19420-	4	4.00000-	2	5.31100-	19849	2151	411	
8.00000+	2	5.76790+	0	0.0	+ 0	4.87980-	4	4.00000-	2	5.31100-	19849	2151	412	
1.00000+	3	5.76540+	0	0.0	+ 0	4.97470-	4	4.00000-	2	5.31100-	19849	2151	413	
1.25000+	3	5.76230+	0	0.0	+ 0	5.31660-	4	4.00000-	2	5.31100-	19849	2151	414	
1.50000+	3	5.75920+	0	0.0	+ 0	5.20020-	4	4.00000-	2	5.31100-	19849	2151	415	
1.75000+	3	5.75600+	0	0.0	+ 0	4.84960-	4	4.00000-	2	5.31100-	19849	2151	416	
2.00000+	3	5.75290+	0	0.0	+ 0	4.89780-	4	4.00000-	2	5.31100-	19849	2151	417	
3.00000+	3	5.74040+	0	0.0	+ 0	4.71780-	4	4.00000-	2	5.31100-	19849	2151	418	
4.00000+	3	5.72790+	0	0.0	+ 0	4.68140-	4	4.00000-	2	5.31100-	19849	2151	419	
5.00000+	3	5.71550+	0	0.0	+ 0	4.60230-	4	4.00000-	2	5.31100-	19849	2151	420	
6.00000+	3	5.70300+	0	0.0	+ 0	4.47870-	4	4.00000-	2	5.31100-	19849	2151	421	
8.00000+	3	5.67830+	0	0.0	+ 0	4.46420-	4	4.00000-	2	5.31100-	19849	2151	422	
1.00000+	4	5.65370+	0	0.0	+ 0	4.53240-	4	4.00000-	2	5.31100-	19849	2151	423	
1.50000+	4	5.59260+	0	0.0	+ 0	4.43540-	4	4.00000-	2	5.31100-	19849	2151	424	
2.00000+	4	5.53210+	0	0.0	+ 0	4.37790-	4	4.00000-	2	5.31100-	19849	2151	425	
3.00000+	4	5.41340+	0	0.0	+ 0	4.49310-	4	4.00000-	2	5.31100-	19849	2151	426	
3.00000+	0	0.0	+	0	2	0	0	156		259849	2151	427		
0.0	+	0	0.0	+	0	2.00000+	0	0.0	+	0	2.00000+	09849	2151	428
7.00000+	1	4.12650+	0	0.0	+ 0	1.60760-	4	4.00000-	2	7.55800-	19849	2151	429	
8.00000+	1	4.12640+	0	0.0	+ 0	2.11110-	4	4.00000-	2	7.55800-	19849	2151	430	
1.00000+	2	4.12620+	0	0.0	+ 0	3.15020-	4	4.00000-	2	7.55800-	19849	2151	431	



1.25000+	2	4.12600+	0	0.0	+ 0	4.95750-	4	4.00000-	2	7.55800-	19849	2151	432
1.75000+	2	4.12560+	0	0.0	+ 0	2.73220-	4	4.00000-	2	7.55800-	19849	2151	433
2.50000+	2	4.12490+	0	0.0	+ 0	4.41550-	4	4.00000-	2	7.55800-	19849	2151	434
3.00000+	2	4.12440+	0	0.0	+ 0	4.26270-	4	4.00000-	2	7.55800-	19849	2151	435
4.00000+	2	4.12350+	0	0.0	+ 0	3.79630-	4	4.00000-	2	7.55800-	19849	2151	436
5.00000+	2	4.12260+	0	0.0	+ 0	3.75700-	4	4.00000-	2	7.55800-	19849	2151	437
6.00000+	2	4.12170+	0	0.0	+ 0	3.71020-	4	4.00000-	2	7.55800-	19849	2151	438
8.00000+	2	4.12000+	0	0.0	+ 0	3.48560-	4	4.00000-	2	7.55800-	19849	2151	439
1.00000+	3	4.11820+	0	0.0	+ 0	3.55330-	4	4.00000-	2	7.55800-	19849	2151	440
1.25000+	3	4.11590+	0	0.0	+ 0	3.79750-	4	4.00000-	2	7.55800-	19849	2151	441
1.50000+	3	4.11370+	0	0.0	+ 0	3.71450-	4	4.00000-	2	7.55800-	19849	2151	442
1.75000+	3	4.11140+	0	0.0	+ 0	3.46400-	4	4.00000-	2	7.55800-	19849	2151	443
2.00000+	3	4.10920+	0	0.0	+ 0	3.49840-	4	4.00000-	2	7.55800-	19849	2151	444
3.00000+	3	4.10030+	0	0.0	+ 0	3.36980-	4	4.00000-	2	7.55800-	19849	2151	445
4.00000+	3	4.09140+	0	0.0	+ 0	3.34390-	4	4.00000-	2	7.55800-	19849	2151	446
5.00000+	3	4.08250+	0	0.0	+ 0	3.28740-	4	4.00000-	2	7.55800-	19849	2151	447
6.00000+	3	4.07360+	0	0.0	+ 0	3.19910-	4	4.00000-	2	7.55800-	19849	2151	448
8.00000+	3	4.05590+	0	0.0	+ 0	3.18870-	4	4.00000-	2	7.55800-	19849	2151	449
1.00000+	4	4.03830+	0	0.0	+ 0	3.23750-	4	4.00000-	2	7.55800-	19849	2151	450
1.50000+	4	3.99470+	0	0.0	+ 0	3.16820-	4	4.00000-	2	7.55800-	19849	2151	451
2.00000+	4	3.95150+	0	0.0	+ 0	3.12700-	4	4.00000-	2	7.55800-	19849	2151	452
3.00000+	4	3.86670+	0	0.0	+ 0	3.20940-	4	4.00000-	2	7.55800-	19849	2151	453
4.00000+	0	0.0	+ 0	0.0	2	0	156			259849	2151	454	
0.0	+ 0	0.0	+ 0	0.0	+ 0	2.00000+	0	0.0	+ 0	1.00000+	09849	2151	455
7.00000+	1	3.20950+	0	0.0	+ 0	1.25040-	4	4.00000-	2	2.92790-	19849	2151	456
8.00000+	1	3.20940+	0	0.0	+ 0	1.64200-	4	4.00000-	2	2.92790-	19849	2151	457
1.00000+	2	3.20930+	0	0.0	+ 0	2.45020-	4	4.00000-	2	2.92790-	19849	2151	458
1.25000+	2	3.20910+	0	0.0	+ 0	3.85590-	4	4.00000-	2	2.92790-	19849	2151	459
1.75000+	2	3.20880+	0	0.0	+ 0	2.12510-	4	4.00000-	2	2.92790-	19849	2151	460
2.50000+	2	3.20820+	0	0.0	+ 0	3.43430-	4	4.00000-	2	2.92790-	19849	2151	461
3.00000+	2	3.20790+	0	0.0	+ 0	3.31550-	4	4.00000-	2	2.92790-	19849	2151	462
4.00000+	2	3.20720+	0	0.0	+ 0	2.95270-	4	4.00000-	2	2.92790-	19849	2151	463
5.00000+	2	3.20650+	0	0.0	+ 0	2.92210-	4	4.00000-	2	2.92790-	19849	2151	464
6.00000+	2	3.20580+	0	0.0	+ 0	2.88570-	4	4.00000-	2	2.92790-	19849	2151	465
8.00000+	2	3.20440+	0	0.0	+ 0	2.71100-	4	4.00000-	2	2.92790-	19849	2151	466
1.00000+	3	3.20300+	0	0.0	+ 0	2.76370-	4	4.00000-	2	2.92790-	19849	2151	467
1.25000+	3	3.20130+	0	0.0	+ 0	2.95360-	4	4.00000-	2	2.92790-	19849	2151	468
1.50000+	3	3.19950+	0	0.0	+ 0	2.88900-	4	4.00000-	2	2.92790-	19849	2151	469
1.75000+	3	3.19780+	0	0.0	+ 0	2.69420-	4	4.00000-	2	2.92790-	19849	2151	470
2.00000+	3	3.19610+	0	0.0	+ 0	2.72100-	4	4.00000-	2	2.92790-	19849	2151	471
3.00000+	3	3.18910+	0	0.0	+ 0	2.62100-	4	4.00000-	2	2.92790-	19849	2151	472
4.00000+	3	3.18220+	0	0.0	+ 0	2.60080-	4	4.00000-	2	2.92790-	19849	2151	473
5.00000+	3	3.17530+	0	0.0	+ 0	2.55690-	4	4.00000-	2	2.92790-	19849	2151	474
6.00000+	3	3.16840+	0	0.0	+ 0	2.48820-	4	4.00000-	2	2.92790-	19849	2151	475
8.00000+	3	3.15460+	0	0.0	+ 0	2.48010-	4	4.00000-	2	2.92790-	19849	2151	476
1.00000+	4	3.14090+	0	0.0	+ 0	2.51800-	4	4.00000-	2	2.92790-	19849	2151	477
1.50000+	4	3.10700+	0	0.0	+ 0	2.46410-	4	4.00000-	2	2.92790-	19849	2151	478
2.00000+	4	3.07340+	0	0.0	+ 0	2.43210-	4	4.00000-	2	2.92790-	19849	2151	479
3.00000+	4	3.00740+	0	0.0	+ 0	2.49620-	4	4.00000-	2	2.92790-	19849	2151	480
5.00000+	0	0.0	+ 0	0.0	2	0	156			259849	2151	481	
0.0	+ 0	0.0	+ 0	0.0	+ 0	2.00000+	0	0.0	+ 0	2.00000+	09849	2151	482
7.00000+	1	2.62600+	0	0.0	+ 0	1.02300-	4	4.00000-	2	4.83440-	19849	2151	483
8.00000+	1	2.62590+	0	0.0	+ 0	1.34340-	4	4.00000-	2	4.83440-	19849	2151	484
1.00000+	2	2.62580+	0	0.0	+ 0	2.00470-	4	4.00000-	2	4.83440-	19849	2151	485
1.25000+	2	2.62560+	0	0.0	+ 0	3.15480-	4	4.00000-	2	4.83440-	19849	2151	486
1.75000+	2	2.62540+	0	0.0	+ 0	1.73870-	4	4.00000-	2	4.83440-	19849	2151	487
2.50000+	2	2.62490+	0	0.0	+ 0	2.80990-	4	4.00000-	2	4.83440-	19849	2151	488
3.00000+	2	2.62460+	0	0.0	+ 0	2.71260-	4	4.00000-	2	4.83440-	19849	2151	489
4.00000+	2	2.62410+	0	0.0	+ 0	2.41580-	4	4.00000-	2	4.83440-	19849	2151	490
5.00000+	2	2.62350+	0	0.0	+ 0	2.39080-	4	4.00000-	2	4.83440-	19849	2151	491
6.00000+	2	2.62290+	0	0.0	+ 0	2.36100-	4	4.00000-	2	4.83440-	19849	2151	492
8.00000+	2	2.62180+	0	0.0	+ 0	2.21810-	4	4.00000-	2	4.83440-	19849	2151	493
1.00000+	3	2.62060+	0	0.0	+ 0	2.26120-	4	4.00000-	2	4.83440-	19849	2151	494
1.25000+	3	2.61920+	0	0.0	+ 0	2.41660-	4	4.00000-	2	4.83440-	19849	2151	495
1.50000+	3	2.61780+	0	0.0	+ 0	2.36370-	4	4.00000-	2	4.83440-	19849	2151	496
1.75000+	3	2.61640+	0	0.0	+ 0	2.20440-	4	4.00000-	2	4.83440-	19849	2151	497
2.00000+	3	2.61500+	0	0.0	+ 0	2.22630-	4	4.00000-	2	4.83440-	19849	2151	498
3.00000+	3	2.60930+	0	0.0	+ 0	2.14440-	4	4.00000-	2	4.83440-	19849	2151	499
4.00000+	3	2.60360+	0	0.0	+ 0	2.12790-	4	4.00000-	2	4.83440-	19849	2151	500
5.00000+	3	2.59790+	0	0.0	+ 0	2.09200-	4	4.00000-	2	4.83440-	19849	2151	501
6.00000+	3	2.59230+	0	0.0	+ 0	2.03580-	4	4.00000-	2	4.83440-	19849	2151	502
8.00000+	3	2.58100+	0	0.0	+ 0	2.02920-	4	4.00000-	2	4.83440-	19849	2151	503

1.00000+	4	2.56980+	0	0.0	+ 0	2.06020-	4	4.00000-	2	4.83440-	19849	2151	504	
1.50000+	4	2.54210+	0	0.0	+ 0	2.01610-	4	4.00000-	2	4.83440-	19849	2151	505	
2.00000+	4	2.51460+	0	0.0	+ 0	1.98990-	4	4.00000-	2	4.83440-	19849	2151	506	
3.00000+	4	2.46060+	0	0.0	+ 0	2.04230-	4	4.00000-	2	4.83440-	19849	2151	507	
6.00000+	0	0.0	+ 0		2		0		156		259849	2151	508	
0.0	+ 0	0.0	+ 0	0.0	+ 0	2.00000+	0	0.0	+ 0	1.00000+	09849	2151	509	
7.00000+	1	2.22200+	0	0.0	+ 0	8.65650-	5	4.00000-	2	2.04270-	19849	2151	510	
8.00000+	1	2.22190+	0	0.0	+ 0	1.13670-	4	4.00000-	2	2.04270-	19849	2151	511	
1.00000+	2	2.22180+	0	0.0	+ 0	1.69630-	4	4.00000-	2	2.04270-	19849	2151	512	
1.25000+	2	2.22170+	0	0.0	+ 0	2.66940-	4	4.00000-	2	2.04270-	19849	2151	513	
1.75000+	2	2.22150+	0	0.0	+ 0	1.47120-	4	4.00000-	2	2.04270-	19849	2151	514	
2.50000+	2	2.22110+	0	0.0	+ 0	2.37760-	4	4.00000-	2	2.04270-	19849	2151	515	
3.00000+	2	2.22090+	0	0.0	+ 0	2.29530-	4	4.00000-	2	2.04270-	19849	2151	516	
4.00000+	2	2.22040+	0	0.0	+ 0	2.04420-	4	4.00000-	2	2.04270-	19849	2151	517	
5.00000+	2	2.21990+	0	0.0	+ 0	2.02300-	4	4.00000-	2	2.04270-	19849	2151	518	
6.00000+	2	2.21940+	0	0.0	+ 0	1.99780-	4	4.00000-	2	2.04270-	19849	2151	519	
8.00000+	2	2.21840+	0	0.0	+ 0	1.87690-	4	4.00000-	2	2.04270-	19849	2151	520	
1.00000+	3	2.21750+	0	0.0	+ 0	1.91330-	4	4.00000-	2	2.04270-	19849	2151	521	
1.25000+	3	2.21630+	0	0.0	+ 0	2.04480-	4	4.00000-	2	2.04270-	19849	2151	522	
1.50000+	3	2.21510+	0	0.0	+ 0	2.00010-	4	4.00000-	2	2.04270-	19849	2151	523	
1.75000+	3	2.21390+	0	0.0	+ 0	1.86520-	4	4.00000-	2	2.04270-	19849	2151	524	
2.00000+	3	2.21270+	0	0.0	+ 0	1.88380-	4	4.00000-	2	2.04270-	19849	2151	525	
3.00000+	3	2.20780+	0	0.0	+ 0	1.81450-	4	4.00000-	2	2.04270-	19849	2151	526	
4.00000+	3	2.20300+	0	0.0	+ 0	1.80060-	4	4.00000-	2	2.04270-	19849	2151	527	
5.00000+	3	2.19830+	0	0.0	+ 0	1.77010-	4	4.00000-	2	2.04270-	19849	2151	528	
6.00000+	3	2.19350+	0	0.0	+ 0	1.72260-	4	4.00000-	2	2.04270-	19849	2151	529	
8.00000+	3	2.18400+	0	0.0	+ 0	1.71700-	4	4.00000-	2	2.04270-	19849	2151	530	
1.00000+	4	2.17450+	0	0.0	+ 0	1.74320-	4	4.00000-	2	2.04270-	19849	2151	531	
1.50000+	4	2.15100+	0	0.0	+ 0	1.70590-	4	4.00000-	2	2.04270-	19849	2151	532	
2.00000+	4	2.12770+	0	0.0	+ 0	1.68380-	4	4.00000-	2	2.04270-	19849	2151	533	
3.00000+	4	2.08210+	0	0.0	+ 0	1.72810-	4	4.00000-	2	2.04270-	19849	2151	534	
7.00000+	0	0.0	+ 0		2		0		156		259849	2151	535	
0.0	+ 0	0.0	+ 0	0.0	+ 0	1.00000+	0	0.0	+ 0	2.00000+	09849	2151	536	
7.00000+	1	1.92570+	0	0.0	+ 0	7.50230-	5	4.00000-	2	3.54070-	19849	2151	537	
8.00000+	1	1.92570+	0	0.0	+ 0	9.85180-	5	4.00000-	2	3.54070-	19849	2151	538	
1.00000+	2	1.92560+	0	0.0	+ 0	1.47010-	4	4.00000-	2	3.54070-	19849	2151	539	
1.25000+	2	1.92550+	0	0.0	+ 0	2.31350-	4	4.00000-	2	3.54070-	19849	2151	540	
1.75000+	2	1.92530+	0	0.0	+ 0	1.27500-	4	4.00000-	2	3.54070-	19849	2151	541	
2.50000+	2	1.92490+	0	0.0	+ 0	2.06060-	4	4.00000-	2	3.54070-	19849	2151	542	
3.00000+	2	1.92470+	0	0.0	+ 0	1.98930-	4	4.00000-	2	3.54070-	19849	2151	543	
4.00000+	2	1.92430+	0	0.0	+ 0	1.77160-	4	4.00000-	2	3.54070-	19849	2151	544	
5.00000+	2	1.92390+	0	0.0	+ 0	1.75320-	4	4.00000-	2	3.54070-	19849	2151	545	
6.00000+	2	1.92350+	0	0.0	+ 0	1.73140-	4	4.00000-	2	3.54070-	19849	2151	546	
8.00000+	2	1.92260+	0	0.0	+ 0	1.62660-	4	4.00000-	2	3.54070-	19849	2151	547	
1.00000+	3	1.92180+	0	0.0	+ 0	1.65820-	4	4.00000-	2	3.54070-	19849	2151	548	
1.25000+	3	1.92080+	0	0.0	+ 0	1.77220-	4	4.00000-	2	3.54070-	19849	2151	549	
1.50000+	3	1.91970+	0	0.0	+ 0	1.73340-	4	4.00000-	2	3.54070-	19849	2151	550	
1.75000+	3	1.91870+	0	0.0	+ 0	1.61650-	4	4.00000-	2	3.54070-	19849	2151	551	
2.00000+	3	1.91760+	0	0.0	+ 0	1.63260-	4	4.00000-	2	3.54070-	19849	2151	552	
3.00000+	3	1.91350+	0	0.0	+ 0	1.57260-	4	4.00000-	2	3.54070-	19849	2151	553	
4.00000+	3	1.90930+	0	0.0	+ 0	1.56050-	4	4.00000-	2	3.54070-	19849	2151	554	
5.00000+	3	1.90520+	0	0.0	+ 0	1.53410-	4	4.00000-	2	3.54070-	19849	2151	555	
6.00000+	3	1.90100+	0	0.0	+ 0	1.49290-	4	4.00000-	2	3.54070-	19849	2151	556	
8.00000+	3	1.89280+	0	0.0	+ 0	1.48810-	4	4.00000-	2	3.54070-	19849	2151	557	
1.00000+	4	1.88460+	0	0.0	+ 0	1.51080-	4	4.00000-	2	3.54070-	19849	2151	558	
1.50000+	4	1.86420+	0	0.0	+ 0	1.47850-	4	4.00000-	2	3.54070-	19849	2151	559	
2.00000+	4	1.84400+	0	0.0	+ 0	1.45930-	4	4.00000-	2	3.54070-	19849	2151	560	
3.00000+	4	1.80450+	0	0.0	+ 0	1.49770-	4	4.00000-	2	3.54070-	19849	2151	561	
											9849	2	0	562
											9849	0	0	563
9.82490+	4	2.46935+	2		0		99		0		09849	3	1	564
0.0	+ 0	0.0	+ 0		0		0		2		1149849	3	1	565
	3		2		114		5		0		09849	3	1	566
1.00000-	5	0.0	+ 0	2.53000-	2	0.0	+ 0	3.00000+	4	0.0	+ 09849	3	1	567
3.00000+	4	1.40948+	1	4.00000+	4	1.39268+	1	5.00000+	4	1.38036+	19849	3	1	568
6.00000+	4	1.36992+	1	6.27531+	4	1.36722+	1	8.00000+	4	1.35095+	19849	3	1	569
1.00000+	5	1.33234+	1	1.36752+	5	1.29695+	1	1.45587+	5	1.28820+	19849	3	1	570
1.88761+	5	1.24470+	1	2.00000+	5	1.23330+	1	2.19887+	5	1.21316+	19849	3	1	571
2.44084+	5	1.18889+	1	3.00000+	5	1.13452+	1	3.81037+	5	1.06176+	19849	3	1	572
4.00000+	5	1.04595+	1	4.18287+	5	1.03115+	1	4.39272+	5	1.01473+	19849	3	1	573
4.41782+	5	1.01281+	1	4.44794+	5	1.01051+	1	4.61863+	5	9.97724+	09849	3	1	574
5.00000+	5	9.70578+	0	5.02627+	5	9.68779+	0	5.52227+	5	9.36591+	09849	3	1	575

6.00000+	5	9.08553+	0	7.00000+	5	8.58715+	0	8.00000+	5	8.19472+	09849	3	1	576	
9.00000+	5	7.89050+	0	1.00000+	6	7.65727+	0	1.50000+	6	7.12010+	09849	3	1	577	
2.00000+	6	7.07512+	0	2.25000+	6	7.13694+	0	2.50000+	6	7.22951+	09849	3	1	578	
2.75000+	6	7.33738+	0	3.00000+	6	7.44772+	0	3.50000+	6	7.63791+	09849	3	1	579	
4.00000+	6	7.75690+	0	4.50000+	6	7.80336+	0	5.00000+	6	7.78554+	09849	3	1	580	
5.61570+	6	7.66822+	0	6.00000+	6	7.53897+	0	6.23574+	6	7.42281+	09849	3	1	581	
6.48074+	6	7.30844+	0	6.60683+	6	7.25191+	0	6.73537+	6	7.19582+	09849	3	1	582	
6.86641+	6	7.14017+	0	7.00000+	6	7.08495+	0	7.23762+	6	6.96777+	09849	3	1	583	
7.48331+	6	6.85253+	0	7.60926+	6	6.79563+	0	7.73734+	6	6.73919+	09849	3	1	584	
7.86757+	6	6.68323+	0	7.93351+	6	6.65542+	0	8.00000+	6	6.62773+	09849	3	1	585	
8.23907+	6	6.53658+	0	8.48528+	6	6.44668+	0	8.61113+	6	6.40219+	09849	3	1	586	
8.73885+	6	6.35801+	0	8.86846+	6	6.31414+	0	8.93399+	6	6.29232+	09849	3	1	587	
9.00000+	6	6.27057+	0	9.24021+	6	6.21044+	0	9.48683+	6	6.15088+	09849	3	1	588	
9.61260+	6	6.12132+	0	9.74004+	6	6.09190+	0	9.86916+	6	6.06262+	09849	3	1	589	
9.93436+	6	6.04803+	0	1.00000+	7	6.03348+	0	1.04664+	7	5.97480+	09849	3	1	590	
1.07077+	7	5.94567+	0	1.09545+	7	5.91669+	0	1.12070+	7	5.88785+	09849	3	1	591	
1.14653+	7	5.85915+	0	1.15967+	7	5.84486+	0	1.17296+	7	5.83059+	09849	3	1	592	
1.18640+	7	5.81637+	0	1.19318+	7	5.80926+	0	1.20000+	7	5.80217+	09849	3	1	593	
1.21528+	7	5.79729+	0	1.23076+	7	5.79242+	0	1.24643+	7	5.78755+	09849	3	1	594	
1.25434+	7	5.78511+	0	1.26230+	7	5.78268+	0	1.29540+	7	5.79124+	09849	3	1	595	
1.32937+	7	5.79982+	0	1.34669+	7	5.80411+	0	1.36423+	7	5.80841+	09849	3	1	596	
1.38200+	7	5.81271+	0	1.40000+	7	5.81701+	0	1.44752+	7	5.85547+	09849	3	1	597	
1.49666+	7	5.89418+	0	1.54747+	7	5.93315+	0	1.57352+	7	5.95274+	09849	3	1	598	
1.60000+	7	5.97238+	0	1.64782+	7	6.01310+	0	1.69706+	7	6.05409+	09849	3	1	599	
1.72223+	7	6.07469+	0	1.74777+	7	6.09536+	0	1.77369+	7	6.11610+	09849	3	1	600	
1.78680+	7	6.12650+	0	1.80000+	7	6.13691+	0	1.81640+	7	6.14876+	09849	3	1	601	
1.83295+	7	6.16063+	0	1.84965+	7	6.17252+	0	1.86650+	7	6.18443+	09849	3	1	602	
1.89902+	7	6.20439+	0	1.93210+	7	6.22441+	0	1.94886+	7	6.23444+	09849	3	1	603	
1.96576+	7	6.24449+	0	1.98281+	7	6.25456+	0	2.00000+	7	6.26464+	09849	3	1	604	
											9849	3	0	605	
9.82490+	4	2.46935+	2		0		0		0		09849	3	2	606	
0.0	+	0.0	+	0	0	0	0	2		1149849	3	2	607		
	3		2	114		5	0				09849	3	2	608	
1.00000-	5	0.0	+	2.53000-	2	0.0	+	3.00000+	4	0.0	+	09849	3	2	609
3.00000+	4	1.07069+	1	4.00000+	4	1.07766+	1	5.00000+	4	1.07683+	19849	3	2	610	
6.00000+	4	1.07726+	1	6.27531+	4	1.07567+	1	8.00000+	4	1.05864+	19849	3	2	611	
1.00000+	5	1.03897+	1	1.36752+	5	1.00822+	1	1.45587+	5	9.99745+	09849	3	2	612	
1.88761+	5	9.52675+	0	2.00000+	5	9.38120+	0	2.19887+	5	9.17121+	09849	3	2	613	
2.44084+	5	8.92549+	0	3.00000+	5	8.34277+	0	3.81037+	5	7.64313+	09849	3	2	614	
4.00000+	5	7.48025+	0	4.18287+	5	7.34471+	0	4.39272+	5	7.19426+	09849	3	2	615	
4.41782+	5	7.17225+	0	4.44794+	5	7.14890+	0	4.61863+	5	7.01540+	09849	3	2	616	
5.00000+	5	6.74327+	0	5.02627+	5	6.72527+	0	5.52227+	5	6.39105+	09849	3	2	617	
6.00000+	5	6.10157+	0	7.00000+	5	5.56913+	0	8.00000+	5	5.11644+	09849	3	2	618	
9.00000+	5	4.74281+	0	1.00000+	6	4.43072+	0	1.50000+	6	3.64321+	09849	3	2	619	
2.00000+	6	3.69984+	0	2.25000+	6	3.87248+	0	2.50000+	6	4.07649+	09849	3	2	620	
2.75000+	6	4.28263+	0	3.00000+	6	4.47322+	0	3.50000+	6	4.77307+	09849	3	2	621	
4.00000+	6	4.94583+	0	4.50000+	6	4.99782+	0	5.00000+	6	4.95038+	09849	3	2	622	
5.61570+	6	4.79122+	0	6.00000+	6	4.65118+	0	6.23574+	6	4.54413+	09849	3	2	623	
6.48074+	6	4.43425+	0	6.60683+	6	4.37821+	0	6.73537+	6	4.32140+	09849	3	2	624	
6.86641+	6	4.26381+	0	7.00000+	6	4.20541+	0	7.23762+	6	4.08858+	09849	3	2	625	
7.48331+	6	3.97277+	0	7.60926+	6	3.91523+	0	7.73734+	6	3.85792+	09849	3	2	626	
7.86757+	6	3.80084+	0	7.93351+	6	3.77238+	0	8.00000+	6	3.74397+	09849	3	2	627	
8.23907+	6	3.64458+	0	8.48528+	6	3.54634+	0	8.61113+	6	3.49764+	09849	3	2	628	
8.73885+	6	3.44923+	0	8.86846+	6	3.40110+	0	8.93399+	6	3.37714+	09849	3	2	629	
9.00000+	6	3.35325+	0	9.24021+	6	3.28146+	0	9.48683+	6	3.21018+	09849	3	2	630	
9.61260+	6	3.17472+	0	9.74004+	6	3.13939+	0	9.86916+	6	3.10417+	09849	3	2	631	
9.93436+	6	3.08661+	0	1.00000+	7	3.06908+	0	1.04664+	7	2.99806+	09849	3	2	632	
1.07077+	7	2.96253+	0	1.09545+	7	2.92700+	0	1.12070+	7	2.89145+	09849	3	2	633	
1.14653+	7	2.85588+	0	1.15967+	7	2.83809+	0	1.17296+	7	2.82028+	09849	3	2	634	
1.18640+	7	2.80247+	0	1.19318+	7	2.79356+	0	1.20000+	7	2.78465+	09849	3	2	635	
1.21528+	7	2.77668+	0	1.23076+	7	2.76866+	0	1.24643+	7	2.76059+	09849	3	2	636	
1.25434+	7	2.75653+	0	1.26230+	7	2.75246+	0	1.29540+	7	2.75160+	09849	3	2	637	
1.32937+	7	2.75040+	0	1.34669+	7	2.74967+	0	1.36423+	7	2.74885+	09849	3	2	638	
1.38200+	7	2.74794+	0	1.40000+	7	2.74694+	0	1.44752+	7	2.76975+	09849	3	2	639	
1.49666+	7	2.79209+	0	1.54747+	7	2.81396+	0	1.57352+	7	2.82471+	09849	3	2	640	
1.60000+	7	2.83532+	0	1.64782+	7	2.86461+	0	1.69706+	7	2.89367+	09849	3	2	641	
1.72223+	7	2.90811+	0	1.74777+	7	2.92249+	0	1.77369+	7	2.93680+	09849	3	2	642	
1.78680+	7	2.94394+	0	1.80000+	7	2.95106+	0	1.81640+	7	2.95970+	09849	3	2	643	
1.83295+	7	2.96832+	0	1.84965+	7	2.97693+	0	1.86650+	7	2.98551+	09849	3	2	644	
1.89902+	7	3.00015+	0	1.93210+	7	3.01468+	0	1.94886+	7	3.02192+	09849	3	2	645	
1.96576+	7	3.02912+	0	1.98281+	7	3.03629+	0	2.00000+	7	3.04344+	09849	3	2	646	
											9849	3	0	647	

9.82490+	4	2.46935+	2	0	99	0	09849	3	4	648				
0.0	+	0-6.25000+	4	0	0	1	489849	3	4	649				
	48		3	0	0	0	09849	3	4	650				
6.27531+	4	0.0	+ 0	8.00000+	4	1.08227-	1	1.00000+	5	2.04075-	19849	3	4	651
1.36752+	5	3.32394-	1	1.45587+	5	3.66042-	1	1.88761+	5	5.53879-	19849	3	4	652
2.00000+	5	6.23881-	1	2.19887+	5	6.99939-	1	2.44084+	5	7.72696-	19849	3	4	653
3.00000+	5	9.46048-	1	3.81037+	5	1.03240+	0	4.00000+	5	1.06021+	09849	3	4	654
4.18287+	5	1.08008+	0	4.39272+	5	1.10036+	0	4.41782+	5	1.10784+	09849	3	4	655
4.44794+	5	1.11346+	0	4.61863+	5	1.14781+	0	5.00000+	5	1.20369+	09849	3	4	656
5.02627+	5	1.20589+	0	5.52227+	5	1.25758+	0	6.00000+	5	1.29721+	09849	3	4	657
7.00000+	5	1.39575+	0	8.00000+	5	1.49967+	0	9.00000+	5	1.61084+	09849	3	4	658
1.00000+	6	1.69369+	0	1.50000+	6	1.68869+	0	2.00000+	6	1.38982+	09849	3	4	659
2.25000+	6	1.25863+	0	2.50000+	6	1.16184+	0	2.75000+	6	1.09431+	09849	3	4	660
3.00000+	6	1.04205+	0	3.50000+	6	1.01207+	0	4.00000+	6	9.64107-	19849	3	4	661
4.50000+	6	9.81592-	1	5.00000+	6	9.63042-	1	5.61570+	6	9.75965-	19849	3	4	662
6.00000+	6	7.94249-	1	7.00000+	6	2.27489-	1	8.00000+	6	5.47551-	29849	3	4	663
9.00000+	6	1.33242-	2	1.00000+	7	3.39990-	3	1.20000+	7	5.23207-	49849	3	4	664
1.26230+	7	2.21592-	4	1.40000+	7	6.56420-	5	1.60000+	7	5.81148-	59849	3	4	665
1.80000+	7	5.44545-	5	1.86650+	7	1.16109-	4	2.00000+	7	9.84358-	59849	3	4	666
										9849	3	0	667	
9.82490+	4	2.46935+	2	0	99	0	09849	3	16	668				
0.0	+	0-5.59310+	6	0	0	1	139849	3	16	669				
	13		2	0	0	0	09849	3	16	670				
5.61570+	6	0.0	+ 0	6.00000+	6	1.63000-	1	7.00000+	6	6.02000-	19849	3	16	671
8.00000+	6	6.79000-	1	9.00000+	6	6.54000-	1	1.00000+	7	6.51000-	19849	3	16	672
1.20000+	7	7.07000-	1	1.26230+	7	7.25000-	1	1.40000+	7	6.62000-	19849	3	16	673
1.60000+	7	2.56000-	1	1.80000+	7	6.18000-	2	1.86650+	7	3.68000-	29849	3	16	674
2.00000+	7	1.27000-	2							9849	3	16	675	
										9849	3	0	676	
9.82490+	4	2.46935+	2	0	99	0	09849	3	17	677				
0.0	+	0-1.25718+	7	0	0	1	69849	3	17	678				
	6		2	0	0	0	09849	3	17	679				
1.26230+	7	0.0	+ 0	1.40000+	7	1.18000-	1	1.60000+	7	6.11000-	19849	3	17	680
1.80000+	7	8.74000-	1	1.86650+	7	9.17000-	1	2.00000+	7	9.68000-	19849	3	17	681
										9849	3	0	682	
9.82490+	4	2.46935+	2	0	99	0	09849	3	18	683				
0.0	+	0 0.0	+ 0	0	0	2	419849	3	18	684				
	3		2	41	5	0	09849	3	18	685				
1.00000-	5	0.0	+ 0	2.53000-	2	0.0	+ 0	3.00000+	4	0.0	+ 09849	3	18	686
3.00000+	4	2.70000+	0	4.00000+	4	2.40000+	0	5.00000+	4	2.30000+	09849	3	18	687
6.00000+	4	2.20000+	0	8.00000+	4	2.20000+	0	1.00000+	5	2.19000+	09849	3	18	688
2.00000+	5	1.97000+	0	3.00000+	5	1.80000+	0	4.00000+	5	1.70000+	09849	3	18	689
5.00000+	5	1.56000+	0	6.00000+	5	1.50000+	0	7.00000+	5	1.44000+	09849	3	18	690
8.00000+	5	1.40000+	0	9.00000+	5	1.36000+	0	1.00000+	6	1.36000+	09849	3	18	691
1.50000+	6	1.66000+	0	2.00000+	6	1.91000+	0	2.25000+	6	1.95000+	09849	3	18	692
2.50000+	6	1.95000+	0	2.75000+	6	1.93000+	0	3.00000+	6	1.91000+	09849	3	18	693
3.50000+	6	1.84000+	0	4.00000+	6	1.84000+	0	4.50000+	6	1.82000+	09849	3	18	694
5.00000+	6	1.87000+	0	5.61570+	6	1.90000+	0	6.00000+	6	1.93000+	09849	3	18	695
7.00000+	6	2.05000+	0	8.00000+	6	2.15000+	0	9.00000+	6	2.25000+	09849	3	18	696
1.00000+	7	2.31000+	0	1.20000+	7	2.31000+	0	1.26230+	7	2.30500+	09849	3	18	697
1.40000+	7	2.29000+	0	1.60000+	7	2.27000+	0	1.80000+	7	2.25000+	09849	3	18	698
1.86650+	7	2.24500+	0	2.00000+	7	2.23000+	0			9849	3	18	699	
										9849	3	0	700	
9.82490+	4	2.46935+	2	0	99	0	09849	3	37	701				
0.0	+	0-1.85897+	7	0	0	1	29849	3	37	702				
	2		2	0	0	0	09849	3	37	703				
1.86650+	7	0.0	+ 0	2.00000+	7	1.04000-	2			9849	3	37	704	
										9849	3	0	705	
9.82490+	4	2.46935+	2	0	1	0	09849	3	51	706				
0.0	+	0-6.25000+	4	0	0	1	489849	3	51	707				
	48		3	0	0	0	09849	3	51	708				
6.27531+	4	0.0	+ 0	8.00000+	4	1.08227-	1	1.00000+	5	2.04075-	19849	3	51	709
1.36752+	5	3.32394-	1	1.45587+	5	3.52783-	1	1.88761+	5	4.16444-	19849	3	51	710
2.00000+	5	4.22713-	1	2.19887+	5	4.33628-	1	2.44084+	5	4.40410-	19849	3	51	711
3.00000+	5	4.28575-	1	3.81037+	5	4.09539-	1	4.00000+	5	4.03331-	19849	3	51	712
4.18287+	5	3.99941-	1	4.39272+	5	3.96651-	1	4.41782+	5	3.94660-	19849	3	51	713
4.44794+	5	3.93442-	1	4.61863+	5	3.87073-	1	5.00000+	5	3.78392-	19849	3	51	714
5.02627+	5	3.77594-	1	5.52227+	5	3.59335-	1	6.00000+	5	3.47022-	19849	3	51	715
7.00000+	5	3.23526-	1	8.00000+	5	2.99780-	1	9.00000+	5	2.78315-	19849	3	51	716
1.00000+	6	2.53555-	1	1.50000+	6	1.20747-	1	2.00000+	6	4.03567-	29849	3	51	717
2.25000+	6	2.19250-	2	2.50000+	6	1.18154-	2	2.75000+	6	6.39292-	39849	3	51	718
3.00000+	6	3.47496-	3	3.50000+	6	1.10726-	3	4.00000+	6	3.55561-	49849	3	51	719

4.50000+	6	1.25294-	4	5.00000+	6	4.41707-	5	5.61570+	6	1.35300-	59849	3	51	720
6.00000+	6	5.38397-	6	7.00000+	6	2.61361-	7	8.00000+	6	1.18548-	89849	3	51	721
9.00000+	6	5.92886-	10	1.00000+	7	3.37173-	11	1.20000+	7	3.19119-	139849	3	51	722
1.26230+	7	5.93833-	14	1.40000+	7	3.05281-	15	1.60000+	7	2.44842-	169849	3	51	723
1.80000+	7	2.37822-	17	1.86650+	7	2.44799-	17	2.00000+	7	4.97924-	189849	3	51	724
											9849	3	0	725
9.82490+	4	2.46935+	2		0		2		0		09849	3	52	726
0.0		+ 0-	1.36200+	5	0		0		1		459849	3	52	727
	45			3	0		0		0		09849	3	52	728
1.36752+	5	0.0	+ 0	1.45587+	5	1.32587-	2	1.88761+	5	8.88720-	29849	3	52	729
2.00000+	5	1.05298-	1	2.19887+	5	1.29672-	1	2.44084+	5	1.51420-	19849	3	52	730
3.00000+	5	1.79630-	1	3.81037+	5	1.98628-	1	4.00000+	5	2.01301-	19849	3	52	731
4.18287+	5	2.04245-	1	4.39272+	5	2.07431-	1	4.41782+	5	2.07282-	19849	3	52	732
4.44794+	5	2.07468-	1	4.61863+	5	2.08939-	1	5.00000+	5	2.12820-	19849	3	52	733
5.02627+	5	2.12935-	1	5.52227+	5	2.13171-	1	6.00000+	5	2.13982-	19849	3	52	734
7.00000+	5	2.13140-	1	8.00000+	5	2.08292-	1	9.00000+	5	2.02077-	19849	3	52	735
1.00000+	6	1.90882-	1	1.50000+	6	1.00681-	1	2.00000+	6	3.50335-	29849	3	52	736
2.25000+	6	1.92662-	2	2.50000+	6	1.04920-	2	2.75000+	6	5.73257-	39849	3	52	737
3.00000+	6	3.14549-	3	3.50000+	6	1.02088-	3	4.00000+	6	3.33548-	49849	3	52	738
4.50000+	6	1.19337-	4	5.00000+	6	4.26100-	5	5.61570+	6	1.32180-	59849	3	52	739
6.00000+	6	5.28935-	6	7.00000+	6	2.58781-	7	8.00000+	6	1.17968-	89849	3	52	740
9.00000+	6	5.93604-	10	1.00000+	7	3.39787-	11	1.20000+	7	3.25359-	139849	3	52	741
1.26230+	7	6.07369-	14	1.40000+	7	3.14524-	15	1.60000+	7	2.54821-	169849	3	52	742
1.80000+	7	2.49675-	17	1.86650+	7	2.57682-	17	2.00000+	7	5.26811-	189849	3	52	743
											9849	3	0	744
9.82490+	4	2.46935+	2		0		3		0		09849	3	53	745
0.0		+ 0-	1.45000+	5	0		0		1		449849	3	53	746
	44			3	0		0		0		09849	3	53	747
1.45587+	5	0.0	+ 0	1.88761+	5	4.85629-	2	2.00000+	5	5.31187-	29849	3	53	748
2.19887+	5	5.98135-	2	2.44084+	5	6.56986-	2	3.00000+	5	7.17866-	29849	3	53	749
3.81037+	5	7.75888-	2	4.00000+	5	7.72599-	2	4.18287+	5	7.77957-	29849	3	53	750
4.39272+	5	7.84180-	2	4.41782+	5	7.83906-	2	4.44794+	5	7.82588-	29849	3	53	751
4.61863+	5	7.68975-	2	5.00000+	5	7.39367-	2	5.02627+	5	7.37762-	29849	3	53	752
5.52227+	5	7.08406-	2	6.00000+	5	6.93441-	2	7.00000+	5	6.71340-	29849	3	53	753
8.00000+	5	6.44474-	2	9.00000+	5	6.15101-	2	1.00000+	6	5.71406-	29849	3	53	754
1.50000+	6	2.86859-	2	2.00000+	6	1.07037-	2	2.25000+	6	6.34391-	39849	3	53	755
2.50000+	6	3.78196-	3	2.75000+	6	2.27838-	3	3.00000+	6	1.37801-	39849	3	53	756
3.50000+	6	5.31527-	4	4.00000+	6	1.96788-	4	4.50000+	6	7.59300-	59849	3	53	757
5.00000+	6	2.79881-	5	5.61570+	6	8.64964-	6	6.00000+	6	3.41782-	69849	3	53	758
7.00000+	6	1.62070-	7	8.00000+	6	7.28266-	9	9.00000+	6	3.68203-	109849	3	53	759
1.00000+	7	2.12509-	11	1.20000+	7	2.02016-	13	1.26230+	7	3.74757-	149849	3	53	760
1.40000+	7	1.90938-	15	1.60000+	7	1.50854-	16	1.80000+	7	1.44371-	179849	3	53	761
1.86650+	7	1.47897-	17	2.00000+	7	2.98078-	18				9849	3	53	762
											9849	3	0	763
9.82490+	4	2.46935+	2		0		4		0		09849	3	54	764
0.0		+ 0-	1.88000+	5	0		0		1		439849	3	54	765
	43			3	0		0		0		09849	3	54	766
1.88761+	5	0.0	+ 0	2.00000+	5	4.27508-	2	2.19887+	5	7.68249-	29849	3	54	767
2.44084+	5	1.04980-	1	3.00000+	5	1.32774-	1	3.81037+	5	1.45856-	19849	3	54	768
4.00000+	5	1.44845-	1	4.18287+	5	1.44943-	1	4.39272+	5	1.45109-	19849	3	54	769
4.41782+	5	1.44728-	1	4.44794+	5	1.44456-	1	4.61863+	5	1.41334-	19849	3	54	770
5.00000+	5	1.35453-	1	5.02627+	5	1.35030-	1	5.52227+	5	1.26523-	19849	3	54	771
6.00000+	5	1.21110-	1	7.00000+	5	1.12507-	1	8.00000+	5	1.04317-	19849	3	54	772
9.00000+	5	9.66309-	2	1.00000+	6	8.74843-	2	1.50000+	6	4.05681-	29849	3	54	773
2.00000+	6	1.45607-	2	2.25000+	6	8.49946-	3	2.50000+	6	4.99745-	39849	3	54	774
2.75000+	6	2.97337-	3	3.00000+	6	1.77905-	3	3.50000+	6	6.75334-	49849	3	54	775
4.00000+	6	2.47647-	4	4.50000+	6	9.49410-	5	5.00000+	6	3.48179-	59849	3	54	776
5.61570+	6	1.07167-	5	6.00000+	6	4.22841-	6	7.00000+	6	2.00115-	79849	3	54	777
8.00000+	6	8.99367-	9	9.00000+	6	4.55812-	10	1.00000+	7	2.64046-	119849	3	54	778
1.20000+	7	2.52707-	13	1.26230+	7	4.69531-	14	1.40000+	7	2.40047-	159849	3	54	779
1.60000+	7	1.90600-	16	1.80000+	7	1.83223-	17	1.86650+	7	1.87947-	179849	3	54	780
2.00000+	7	3.79751-	18								9849	3	54	781
											9849	3	0	782
9.82490+	4	2.46935+	2		0		5		0		09849	3	55	783
0.0		+ 0-	2.19000+	5	0		0		1		419849	3	55	784
	41			3	0		0		0		09849	3	55	785
2.19887+	5	0.0	+ 0	2.44084+	5	1.01869-	2	3.00000+	5	3.23921-	29849	3	55	786
3.81037+	5	5.33615-	2	4.00000+	5	5.71434-	2	4.18287+	5	6.08719-	29849	3	55	787
4.39272+	5	6.49495-	2	4.41782+	5	6.54189-	2	4.44794+	5	6.59848-	29849	3	55	788
4.61863+	5	6.91426-	2	5.00000+	5	7.60980-	2	5.02627+	5	7.65174-	29849	3	55	789
5.52227+	5	8.41488-	2	6.00000+	5	9.09041-	2	7.00000+	5	1.02270-	19849	3	55	790
8.00000+	5	1.09627-	1	9.00000+	5	1.14381-	1	1.00000+	6	1.14408-	19849	3	55	791

1.50000+	6	7.05973-	2	2.00000+	6	2.61598-	2	2.25000+	6	1.46730-	29849	3	55	792	
2.50000+	6	8.13219-	3	2.75000+	6	4.51711-	3	3.00000+	6	2.51871-	39849	3	55	793	
3.50000+	6	8.43305-	4	4.00000+	6	2.83610-	4	4.50000+	6	1.04044-	49849	3	55	794	
5.00000+	6	3.79307-	5	5.61570+	6	1.20109-	5	6.00000+	6	4.85421-	69849	3	55	795	
7.00000+	6	2.41360-	7	8.00000+	6	1.11161-	8	9.00000+	6	5.64751-	109849	3	55	796	
1.00000+	7	3.26270-	11	1.20000+	7	3.17345-	13	1.26230+	7	5.94829-	149849	3	55	797	
1.40000+	7	3.10797-	15	1.60000+	7	2.54833-	16	1.80000+	7	2.52239-	179849	3	55	798	
1.86650+	7	2.61131-	17	2.00000+	7	5.37022-	18			9849	3	55	799		
										9849	3	0	800		
9.82490+	4	2.46935+	2		0		6		0	09849	3	56	801		
0.0	+	0-2.43100+	5		0		0		1	409849	3	56	802		
		40	3		0		0		0	09849	3	56	803		
2.44084+	5	0.0	+	0	3.00000+	5	1.00890-	1	3.81037+	5	1.47424-	19849	3	56	804
4.00000+	5	1.51516-	1	4.18287+	5	1.55545-	1	4.39272+	5	1.59220-	19849	3	56	805	
4.41782+	5	1.59037-	1	4.44794+	5	1.59140-	1	4.61863+	5	1.58584-	19849	3	56	806	
5.00000+	5	1.57024-	1	5.02627+	5	1.56820-	1	5.52227+	5	1.49817-	19849	3	56	807	
6.00000+	5	1.44962-	1	7.00000+	5	1.35936-	1	8.00000+	5	1.26003-	19849	3	56	808	
9.00000+	5	1.16210-	1	1.00000+	6	1.04579-	1	1.50000+	6	4.74367-	29849	3	56	809	
2.00000+	6	1.68543-	2	2.25000+	6	9.79275-	3	2.50000+	6	5.73197-	39849	3	56	810	
2.75000+	6	3.39616-	3	3.00000+	6	2.02502-	3	3.50000+	6	7.65602-	49849	3	56	811	
4.00000+	6	2.80519-	4	4.50000+	6	1.07507-	4	5.00000+	6	3.93784-	59849	3	56	812	
5.61570+	6	1.21009-	5	6.00000+	6	4.77217-	6	7.00000+	6	2.25663-	79849	3	56	813	
8.00000+	6	1.01531-	8	9.00000+	6	5.16306-	10	1.00000+	7	3.00382-	119849	3	56	814	
1.20000+	7	2.89564-	13	1.26230+	7	5.38941-	14	1.40000+	7	2.76689-	159849	3	56	815	
1.60000+	7	2.21124-	16	1.80000+	7	2.13838-	17	1.86650+	7	2.19753-	179849	3	56	816	
2.00000+	7	4.45568-	18							9849	3	56	817		
										9849	3	0	818		
9.82490+	4	2.46935+	2		0		7		0	09849	3	57	819		
0.0	+	0-3.79500+	5		0		0		1	389849	3	57	820		
		38	3		0		0		0	09849	3	57	821		
3.81037+	5	0.0	+	0	4.00000+	5	2.48153-	2	4.18287+	5	3.67440-	29849	3	57	822
4.39272+	5	4.77549-	2	4.41782+	5	4.87527-	2	4.44794+	5	5.00203-	29849	3	57	823	
4.61863+	5	5.55677-	2	5.00000+	5	6.45419-	2	5.02627+	5	6.50243-	29849	3	57	824	
5.52227+	5	7.03146-	2	6.00000+	5	7.33726-	2	7.00000+	5	7.60400-	29849	3	57	825	
8.00000+	5	7.53381-	2	9.00000+	5	7.30657-	2	1.00000+	6	6.84757-	29849	3	57	826	
1.50000+	6	3.52376-	2	2.00000+	6	1.32958-	2	2.25000+	6	7.86884-	39849	3	57	827	
2.50000+	6	4.66585-	3	2.75000+	6	2.79167-	3	3.00000+	6	1.67712-	39849	3	57	828	
3.50000+	6	6.40661-	4	4.00000+	6	2.36222-	4	4.50000+	6	9.09686-	59849	3	57	829	
5.00000+	6	3.34955-	5	5.61570+	6	1.03705-	5	6.00000+	6	4.10916-	69849	3	57	830	
7.00000+	6	1.95739-	7	8.00000+	6	8.80608-	9	9.00000+	6	4.46462-	109849	3	57	831	
1.00000+	7	2.59072-	11	1.20000+	7	2.49278-	13	1.26230+	7	4.63378-	149849	3	57	832	
1.40000+	7	2.37149-	15	1.60000+	7	1.88638-	16	1.80000+	7	1.81664-	179849	3	57	833	
1.86650+	7	1.86431-	17	2.00000+	7	3.77012-	18			9849	3	57	834		
										9849	3	0	835		
9.82490+	4	2.46935+	2		0		8		0	09849	3	58	836		
0.0	+	0-4.16600+	5		0		0		1	369849	3	58	837		
		36	3		0		0		0	09849	3	58	838		
4.18287+	5	0.0	+	0	4.39272+	5	8.30462-	4	4.41782+	5	8.86197-	49849	3	58	839
4.44794+	5	9.05415-	4	4.61863+	5	1.18978-	3	5.00000+	5	1.76999-	39849	3	58	840	
5.02627+	5	1.80638-	3	5.52227+	5	2.49333-	3	6.00000+	5	3.14441-	39849	3	58	841	
7.00000+	5	4.42640-	3	8.00000+	5	5.50171-	3	9.00000+	5	6.36050-	39849	3	58	842	
1.00000+	6	6.86885-	3	1.50000+	6	5.41679-	3	2.00000+	6	2.49207-	39849	3	58	843	
2.25000+	6	1.58150-	3	2.50000+	6	9.95902-	4	2.75000+	6	6.28411-	49849	3	58	844	
3.00000+	6	3.95381-	4	3.50000+	6	1.62216-	4	4.00000+	6	6.26459-	59849	3	58	845	
4.50000+	6	2.48678-	5	5.00000+	6	9.35720-	6	5.61570+	6	2.95171-	69849	3	58	846	
6.00000+	6	1.17928-	6	7.00000+	6	5.68631-	8	8.00000+	6	2.56228-	99849	3	58	847	
9.00000+	6	1.29188-	10	1.00000+	7	7.43493-	12	1.20000+	7	7.06073-	149849	3	58	848	
1.26230+	7	1.30798-	14	1.40000+	7	6.64777-	16	1.60000+	7	5.23985-	179849	3	58	849	
1.80000+	7	5.00633-	18	1.86650+	7	5.12511-	18	2.00000+	7	1.03160-	189849	3	58	850	
										9849	3	0	851		
9.82490+	4	2.46935+	2		0		9		0	09849	3	59	852		
0.0	+	0-4.37500+	5		0		0		1	359849	3	59	853		
		35	3		0		0		0	09849	3	59	854		
4.39272+	5	0.0	+	0	4.41782+	5	8.68829-	3	4.44794+	5	1.30324-	29849	3	59	855
4.61863+	5	2.84445-	2	5.00000+	5	5.16272-	2	5.02627+	5	5.28709-	29849	3	59	856	
5.52227+	5	6.94269-	2	6.00000+	5	7.90253-	2	7.00000+	5	8.84522-	29849	3	59	857	
8.00000+	5	8.97012-	2	9.00000+	5	8.74549-	2	1.00000+	6	8.17820-	29849	3	59	858	
1.50000+	6	4.11629-	2	2.00000+	6	1.53874-	2	2.25000+	6	9.07585-	39849	3	59	859	
2.50000+	6	5.36126-	3	2.75000+	6	3.19603-	3	3.00000+	6	1.91373-	39849	3	59	860	
3.50000+	6	7.27833-	4	4.00000+	6	2.68033-	4	4.50000+	6	1.03160-	49849	3	59	861	
5.00000+	6	3.79257-	5	5.61570+	6	1.17166-	5	6.00000+	6	4.63828-	69849	3	59	862	
7.00000+	6	2.20698-	7	8.00000+	6	9.93916-	9	9.00000+	6	5.05568-	109849	3	59	863	

1.00000+	7	2.94619-11	1.20000+	7	2.85539-13	1.26230+	7	5.31700-14	9849	3	59	864
1.40000+	7	2.73261-15	1.60000+	7	2.18776-16	1.80000+	7	2.11957-17	9849	3	59	865
1.86650+	7	2.17920-17	2.00000+	7	4.42243-18				9849	3	59	866
									9849	3	0	867
9.82490+	4	2.46935+ 2	0		10	0		09849	3	60		868
0.0	+	0-4.40000+ 5	0		0	1		349849	3	60		869
	34	3	0		0	0		09849	3	60		870
4.41782+	5	0.0 + 0	4.44794+	5	7.54813- 4	4.61863+	5	2.04353-	39849	3	60	871
5.00000+	5	4.07675- 3	5.02627+	5	4.20496- 3	5.52227+	5	6.45710-	39849	3	60	872
6.00000+	5	8.41257- 3	7.00000+	5	1.19868- 2	8.00000+	5	1.47035-	29849	3	60	873
9.00000+	5	1.66611- 2	1.00000+	6	1.75961- 2	1.50000+	6	1.26623-	29849	3	60	874
2.00000+	6	5.52224- 3	2.25000+	6	3.42835- 3	2.50000+	6	2.11526-	39849	3	60	875
2.75000+	6	1.31015- 3	3.00000+	6	8.10964- 4	3.50000+	6	3.24519-	49849	3	60	876
4.00000+	6	1.23404- 4	4.50000+	6	4.85432- 5	5.00000+	6	1.81688-	59849	3	60	877
5.61570+	6	5.71272- 6	6.00000+	6	2.28032- 6	7.00000+	6	1.09850-	79849	3	60	878
8.00000+	6	4.95114- 9	9.00000+	6	2.50026-10	1.00000+	7	1.44230-	119849	3	60	879
1.20000+	7	1.37556-13	1.26230+	7	2.55068-14	1.40000+	7	1.29870-	159849	3	60	880
1.60000+	7	1.02574-16	1.80000+	7	9.81691-18	1.86650+	7	1.00551-	179849	3	60	881
2.00000+	7	2.02596-18						9849	3	60		882
								9849	3	0		883
9.82490+	4	2.46935+ 2	0		11	0		09849	3	61		884
0.0	+	0-4.43000+ 5	0		0	1		339849	3	61		885
	33	3	0		0	0		09849	3	61		886
4.44794+	5	0.0 + 0	4.61863+	5	1.85894- 2	5.00000+	5	3.57946-	29849	3	61	887
5.02627+	5	3.66893- 2	5.52227+	5	4.88716- 2	6.00000+	5	5.59440-	29849	3	61	888
7.00000+	5	6.35275- 2	8.00000+	5	6.56477- 2	9.00000+	5	6.52764-	29849	3	61	889
1.00000+	6	6.22076- 2	1.50000+	6	3.34111- 2	2.00000+	6	1.28611-	29849	3	61	890
2.25000+	6	7.65580- 3	2.50000+	6	4.55576- 3	2.75000+	6	2.73245-	39849	3	61	891
3.00000+	6	1.64424- 3	3.50000+	6	6.29495- 4	4.00000+	6	2.32531-	49849	3	61	892
4.50000+	6	8.96851- 5	5.00000+	6	3.30654- 5	5.61570+	6	1.02557-	59849	3	61	893
6.00000+	6	4.06907- 6	7.00000+	6	1.94277- 7	8.00000+	6	8.74442-	99849	3	61	894
9.00000+	6	4.43393-10	1.00000+	7	2.57423-11	1.20000+	7	2.48130-	139849	3	61	895
1.26230+	7	4.61325-14	1.40000+	7	2.36188-15	1.60000+	7	1.87983-	169849	3	61	896
1.80000+	7	1.81142-17	1.86650+	7	1.85924-17	2.00000+	7	3.76095-	189849	3	61	897
								9849	3	0		898
9.82490+	4	2.46935+ 2	0		12	0		09849	3	62		899
0.0	+	0-4.60000+ 5	0		0	1		329849	3	62		900
	32	3	0		0	0		09849	3	62		901
4.61863+	5	0.0 + 0	5.00000+	5	1.21597- 2	5.02627+	5	1.26243-	29849	3	62	902
5.52227+	5	1.94881- 2	6.00000+	5	2.39485- 2	7.00000+	5	3.00597-	29849	3	62	903
8.00000+	5	3.34754- 2	9.00000+	5	3.53389- 2	1.00000+	6	3.53683-	29849	3	62	904
1.50000+	6	2.20174- 2	2.00000+	6	9.05390- 3	2.25000+	6	5.50643-	39849	3	62	905
2.50000+	6	3.33526- 3	2.75000+	6	2.03119- 3	3.00000+	6	1.23838-	39849	3	62	906
3.50000+	6	4.83774- 4	4.00000+	6	1.81057- 4	4.50000+	6	7.04675-	59849	3	62	907
5.00000+	6	2.61713- 5	5.61570+	6	8.17571- 6	6.00000+	6	3.25477-	99849	3	62	908
7.00000+	6	1.56168- 7	8.00000+	6	7.03301- 9	9.00000+	6	3.55868-	109849	3	62	909
1.00000+	7	2.05979-11	1.20000+	7	1.97549-13	1.26230+	7	3.66758-	149849	3	62	910
1.40000+	7	1.87189-15	1.60000+	7	1.48329-16	1.80000+	7	1.42372-	179849	3	62	911
1.86650+	7	1.45955-17	2.00000+	7	2.94576-18			9849	3	62		912
								9849	3	0		913
9.82490+	4	2.46935+ 2	0		13	0		09849	3	63		914
0.0	+	0-5.00600+ 5	0		0	1		309849	3	63		915
	30	3	0		0	0		09849	3	63		916
5.02627+	5	0.0 + 0	5.52227+	5	3.66900- 2	6.00000+	5	5.33997-	29849	3	63	917
7.00000+	5	7.13196- 2	8.00000+	5	7.72033- 2	9.00000+	5	7.78204-	29849	3	63	918
1.00000+	6	7.42476- 2	1.50000+	6	3.90568- 2	2.00000+	6	1.48870-	29849	3	63	919
2.25000+	6	8.83505- 3	2.50000+	6	5.23916- 3	2.75000+	6	3.13152-	39849	3	63	920
3.00000+	6	1.87828- 3	3.50000+	6	7.15905- 4	4.00000+	6	2.64064-	49849	3	63	921
4.50000+	6	1.01783- 4	5.00000+	6	3.74632- 5	5.61570+	6	1.15918-	59849	3	63	922
6.00000+	6	4.59424- 6	7.00000+	6	2.19075- 7	8.00000+	6	9.87033-	99849	3	63	923
9.00000+	6	5.02118-10	1.00000+	7	2.92749-11	1.20000+	7	2.84219-	139849	3	63	924
1.26230+	7	5.29335-14	1.40000+	7	2.72148-15	1.60000+	7	2.18009-	169849	3	63	925
1.80000+	7	2.11341-17	1.86650+	7	2.17320-17	2.00000+	7	4.41155-	189849	3	63	926
								9849	3	0		927
9.82490+	4	2.46935+ 2	0		98	0		09849	3	91		928
0.0	+	0-5.50000+ 5	0		0	1		299849	3	91		929
	29	3	0		0	0		09849	3	91		930
5.52227+	5	0.0 + 0	6.00000+	5	1.26423- 2	7.00000+	5	9.54195-	29849	3	91	931
8.00000+	5	2.25632- 1	9.00000+	5	3.79742- 1	1.00000+	6	5.39098-	19849	3	91	932
1.50000+	6	1.09101+ 0	2.00000+	6	1.17265+ 0	2.25000+	6	1.13418+	09849	3	91	933
2.50000+	6	1.09062+ 0	2.75000+	6	1.05319+ 0	3.00000+	6	1.01817+	09849	3	91	934
3.50000+	6	1.00344+ 0	4.00000+	6	9.61041- 1	4.50000+	6	9.80435-	19849	3	91	935

5.00000+	6	9.62620-	1	5.61570+	6	9.75834-	1	6.00000+	6	7.94197-	19849	3	91	936		
7.00000+	6	2.27486-	1	8.00000+	6	5.47549-	2	9.00000+	6	1.33242-	29849	3	91	937		
1.00000+	7	3.39990-	3	1.20000+	7	5.23207-	4	1.26230+	7	2.21592-	49849	3	91	938		
1.40000+	7	6.56420-	5	1.60000+	7	5.81148-	5	1.80000+	7	5.44545-	59849	3	91	939		
1.86650+	7	1.16109-	4	2.00000+	7	9.84358-	5				9849	3	91	940		
											9849	3	0	941		
9.82490+	4	2.46935+	2		0		99		0		09849	3102		942		
0.0	+	0	1.67300+	6		0			2		559849	3102		943		
		3		2		55		5	0		09849	3102		944		
1.00000-	5	0.0	+	0	2.53000-	2	0.0	+	0	3.00000+	4	0.0	+	09849	3102	945
3.00000+	4	6.87874-	1	4.00000+	4	7.50236-	1	5.00000+	4	7.35289-	19849	3102		946		
6.00000+	4	7.26593-	1	6.27531+	4	7.15500-	1	8.00000+	4	6.14892-	19849	3102		947		
1.00000+	5	5.39599-	1	1.36752+	5	4.67157-	1	1.45587+	5	4.50608-	19849	3102		948		
1.88761+	5	3.78891-	1	2.00000+	5	3.57916-	1	2.19887+	5	3.31581-	19849	3102		949		
2.44084+	5	3.06150-	1	3.00000+	5	2.56382-	1	3.81037+	5	2.25587-	19849	3102		950		
4.00000+	5	2.19043-	1	4.18287+	5	2.15733-	1	4.39272+	5	2.12904-	19849	3102		951		
4.41782+	5	2.11833-	1	4.44794+	5	2.10837-	1	4.61863+	5	2.05621-	19849	3102		952		
5.00000+	5	1.98817-	1	5.02627+	5	1.98384-	1	5.52227+	5	1.90270-	19849	3102		953		
6.00000+	5	1.86755-	1	7.00000+	5	1.82270-	1	8.00000+	5	1.78606-	19849	3102		954		
9.00000+	5	1.76846-	1	1.00000+	6	1.72862-	1	1.50000+	6	1.28197-	19849	3102		955		
2.00000+	6	7.54596-	2	2.25000+	6	5.58286-	2	2.50000+	6	4.11784-	29849	3102		956		
2.75000+	6	3.04362-	2	3.00000+	6	2.24466-	2	3.50000+	6	1.27669-	29849	3102		957		
4.00000+	6	6.96565-	3	4.50000+	6	3.94757-	3	5.00000+	6	2.11988-	39849	3102		958		
5.61570+	6	1.03523-	3	6.00000+	6	5.45424-	4	7.00000+	6	5.54727-	59849	3102		959		
8.00000+	6	5.48520-	6	9.00000+	6	6.29632-	7	1.00000+	7	8.54828-	89849	3102		960		
1.20000+	7	4.88382-	9	1.26230+	7	1.63094-	9	1.40000+	7	3.28160-	109849	3102		961		
1.60000+	7	1.99805-	10	1.80000+	7	1.42177-	10	1.86650+	7	2.80736-	109849	3102		962		
2.00000+	7	2.08271-	10								9849	3102		963		
											9849	3	0	964		
9.82490+	4	2.46935+	2		0		0		0		09849	3251		965		
0.0	+	0	0.0	+	0		0		1		559849	3251		966		
		55		3		0		0	0		09849	3251		967		
1.00000-	5	2.69976-	3	1.00000+	3	3.45843-	3	1.00000+	4	1.23934-	29849	3251		968		
3.00000+	4	3.73435-	2	4.00000+	4	5.02042-	2	5.00000+	4	6.34163-	29849	3251		969		
6.00000+	4	7.64487-	2	6.27531+	4	8.01184-	2	8.00000+	4	1.03451-	19849	3251		970		
1.00000+	5	1.29834-	1	1.36752+	5	1.74796-	1	1.45587+	5	1.85008-	19849	3251		971		
1.88761+	5	2.32013-	1	2.00000+	5	2.43807-	1	2.19887+	5	2.63156-	19849	3251		972		
2.44084+	5	2.84851-	1	3.00000+	5	3.29722-	1	3.81037+	5	3.79402-	19849	3251		973		
4.00000+	5	3.89479-	1	4.18287+	5	3.97980-	1	4.39272+	5	4.06886-	19849	3251		974		
4.41782+	5	4.08141-	1	4.44794+	5	4.09462-	1	4.61863+	5	4.16845-	19849	3251		975		
5.00000+	5	4.30751-	1	5.02627+	5	4.31658-	1	5.52227+	5	4.47641-	19849	3251		976		
6.00000+	5	4.59656-	1	7.00000+	5	4.78003-	1	8.00000+	5	4.89990-	19849	3251		977		
9.00000+	5	4.97289-	1	1.00000+	6	5.02955-	1	1.50000+	6	5.42677-	19849	3251		978		
2.00000+	6	6.07528-	1	2.25000+	6	6.37537-	1	2.50000+	6	6.63251-	19849	3251		979		
2.75000+	6	6.85038-	1	3.00000+	6	7.03730-	1	3.50000+	6	7.34657-	19849	3251		980		
4.00000+	6	7.59746-	1	4.50000+	6	7.80149-	1	5.00000+	6	7.96105-	19849	3251		981		
5.61570+	6	8.10069-	1	6.00000+	6	8.15964-	1	7.00000+	6	8.22976-	19849	3251		982		
8.00000+	6	8.22216-	1	9.00000+	6	8.19824-	1	1.00000+	7	8.21975-	19849	3251		983		
1.20000+	7	8.46368-	1	1.26230+	7	8.56800-	1	1.40000+	7	8.80382-	19849	3251		984		
1.60000+	7	9.10319-	1	1.80000+	7	9.30907-	1	1.86650+	7	9.35787-	19849	3251		985		
2.00000+	7	9.43292-	1								9849	3251		986		
											9849	3	0	987		
											9849	0	0	988		
9.82490+	4	2.46935+	2		1		1		0		09849	4	2	989		
0.0	+	0	2.46935+	2		0			441		209849	4	2	990		
1.00000+	0	2.69976-	3	3.27993-	6	-1.11271-	18	0.0	+	0	0.0	+	0	991		
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	992	
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	993	
0.0	+	0	0.0	+	0	0.0	+	0	9.99990-	1	4.85955-	39849	4	2	994	
1.12455-	5	1.26501-	8	7.68370-	12	-7.62641-	15	0.0	+	0	0.0	+	0	995		
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	996	
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	997	
0.0	+	0	-2.69973-	3	9.99974-	1	6.94216-	3	2.34279-	5	4.60001-	89849	4	2	998	
5.64093-	11	2.45200-	14	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	999
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	1000	
0.0	+	0	0.0	+	0	0.0	+	0	9.83963-	6	-4.85945-	39849	4	2	1001	
9.99950-	1	8.99899-	3	3.97561-	5	1.08365-	7	1.97702-	10	2.55059-	139849	4	2	1002		
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	1003	
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	1004	
0.0	+	0	-3.79495-	8	2.24904-	5	-6.94196-	3	9.99917-	1	1.10440-	29849	4	2	1005	
6.02070-	5	2.08059-	7	4.94093-	10	0.0	+	0	0.0	+	0	0.0	+	0	1006	
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	1007	





7.37695-	2	7.33762-	3	8.89677-	5	2.81313-	6	9.61345-10	3.69018-	109849	4	2	1080	
0.0	+	0	6.27531+	4	0	0	0	6	09849	4	2	1081		
7.74405-	2	7.84348-	3	1.01613-	4	3.34945-	6	1.17465-	9	4.81137-	109849	4	2	1082
0.0	+	0	8.00000+	4	0	0	0	6	09849	4	2	1083		
1.00782-	1	1.11802-	2	2.09142-	4	8.58562-	6	3.36394-	9	1.94672-	99849	4	2	1084
0.0	+	0	1.00000+	5	0	0	0	6	09849	4	2	1085		
1.27177-	1	1.54809-	2	4.03581-	4	2.03718-	5	8.06241-	9	6.98320-	99849	4	2	1086
0.0	+	0	1.36752+	5	0	0	0	6	09849	4	2	1087		
1.72164-	1	2.44534-	2	9.98414-	4	6.76390-	5	1.74534-	8	4.26139-	89849	4	2	1088
0.0	+	0	1.45587+	5	0	0	0	6	09849	4	2	1089		
1.82382-	1	2.67572-	2	1.19462-	3	8.56411-	5	1.65172-	8	6.04917-	89849	4	2	1090
0.0	+	0	1.88761+	5	0	0	0	6	09849	4	2	1091		
2.29420-	1	3.87053-	2	2.50147-	3	2.29902-	4	8.10280-	8	2.59288-	79849	4	2	1092
0.0	+	0	2.00000+	5	0	0	0	6	09849	4	2	1093		
2.41223-	1	4.19995-	2	2.94932-	3	2.86800-	4	1.61459-	7	3.61004-	79849	4	2	1094
0.0	+	0	2.19887+	5	0	0	0	6	09849	4	2	1095		
2.60588-	1	4.78979-	2	3.84731-	3	4.10820-	4	4.16673-	7	6.24198-	79849	4	2	1096
0.0	+	0	2.44084+	5	0	0	0	6	09849	4	2	1097		
2.82303-	1	5.51432-	2	5.13638-	3	6.08744-	4	1.04192-	6	1.13230-	69849	4	2	1098
0.0	+	0	3.00000+	5	0	0	0	8	09849	4	2	1099		
3.27220-	1	7.21958-	2	9.03471-	3	1.33335-	3	8.38915-	6	4.00708-	69849	4	2	1100
2.59048-	8	5.81820-	11	0	0	0	0	8	9849	4	2	1101		
0.0	+	0	3.81037+	5	0	0	0	8	09849	4	2	1102		
3.76965-	1	9.59886-	2	1.69782-	2	3.23466-	3	3.96244-	5	1.65182-	59849	4	2	1103
1.44631-	7	3.72987-	10	0	0	0	0	8	9849	4	2	1104		
0.0	+	0	4.00000+	5	0	0	0	8	09849	4	2	1105		
3.87057-	1	1.01438-	1	1.92680-	2	3.87071-	3	5.43514-	5	2.20713-	59849	4	2	1106
2.05455-	7	5.44778-	10	0	0	0	0	8	9849	4	2	1107		
0.0	+	0	4.18287+	5	0	0	0	8	09849	4	2	1108		
3.95571-	1	1.06495-	1	2.15961-	2	4.55687-	3	7.25604-	5	2.87971-	59849	4	2	1109
2.83421-	7	7.71130-	10	0	0	0	0	8	9849	4	2	1110		
0.0	+	0	4.39272+	5	0	0	0	8	09849	4	2	1111		
4.04493-	1	1.12162-	1	2.44352-	2	5.44291-	3	9.94740-	5	3.85235-	59849	4	2	1112
4.02993-	7	1.12780-	9	0	0	0	0	8	9849	4	2	1113		
0.0	+	0	4.41782+	5	0	0	0	8	09849	4	2	1114		
4.05750-	1	1.12887-	1	2.48019-	2	5.55964-	3	1.03249-	4	3.98635-	59849	4	2	1115
4.20094-	7	1.17951-	9	0	0	0	0	8	9849	4	2	1116		
0.0	+	0	4.44794+	5	0	0	0	8	09849	4	2	1117		
4.07073-	1	1.13716-	1	2.52352-	2	5.69960-	3	1.07892-	4	4.15132-	59849	4	2	1118
4.41252-	7	1.24374-	9	0	0	0	0	8	9849	4	2	1119		
0.0	+	0	4.61863+	5	0	0	0	8	09849	4	2	1120		
4.14469-	1	1.18405-	1	2.77773-	2	6.54230-	3	1.37682-	4	5.19913-	59849	4	2	1121
5.79584-	7	1.66888-	9	0	0	0	0	8	9849	4	2	1122		
0.0	+	0	5.00000+	5	0	0	0	8	09849	4	2	1123		
4.28402-	1	1.28400-	1	3.38404-	2	8.71238-	3	2.29066-	4	8.33503-	59849	4	2	1124
1.02676-	6	3.09280-	9	0	0	0	0	8	9849	4	2	1125		
0.0	+	0	5.02627+	5	0	0	0	8	09849	4	2	1126		
4.29311-	1	1.29082-	1	3.42823-	2	8.87849-	3	2.36882-	4	8.59863-	59849	4	2	1127
1.06632-	6	3.22129-	9	0	0	0	0	8	9849	4	2	1128		
0.0	+	0	5.52227+	5	0	0	0	10	09849	4	2	1129		
4.45328-	1	1.41811-	1	4.32062-	2	1.24575-	2	4.44329-	4	1.55817-	49849	4	2	1130
2.76726-	6	2.38930-	7	2.35998-	9	9.82405-	11	0	0	9849	4	2	1131	
0.0	+	0	6.00000+	5	0	0	0	10	09849	4	2	1132		
4.57375-	1	1.53444-	1	5.26416-	2	1.66963-	2	7.46100-	4	2.53542-	49849	4	2	1133
5.01342-	6	4.63545-	7	4.99034-	9	2.22848-	10	0	0	9849	4	2	1134	
0.0	+	0	7.00000+	5	0	0	0	10	09849	4	2	1135		
4.75785-	1	1.76831-	1	7.48430-	2	2.84101-	2	1.91373-	3	6.17865-	49849	4	2	1136
1.50121-	5	1.57090-	6	1.99520-	8	1.01542-	9	0	0	9849	4	2	1137	
0.0	+	0	8.00000+	5	0	0	0	10	09849	4	2	1138		
4.87833-	1	1.99818-	1	9.95621-	2	4.42609-	2	4.19845-	3	1.30966-	39849	4	2	1139
3.83287-	5	4.45169-	6	6.57658-	8	3.75848-	9	0	0	9849	4	2	1140	
0.0	+	0	9.00000+	5	0	0	0	10	09849	4	2	1141		
4.95194-	1	2.22798-	1	1.25389-	1	6.41397-	2	8.11467-	3	2.48010-	39849	4	2	1142
8.60623-	5	1.09448-	5	1.86300-	7	1.18321-	8	0	0	9849	4	2	1143	
0.0	+	0	1.00000+	6	0	0	0	10	09849	4	2	1144		
5.00923-	1	2.46369-	1	1.51277-	1	8.76661-	2	1.41572-	2	4.28659-	39849	4	2	1145
1.74175-	4	2.40237-	5	4.67931-	7	3.27494-	8	0	0	9849	4	2	1146	
0.0	+	0	1.50000+	6	0	0	0	12	09849	4	2	1147		
5.40953-	1	3.60149-	1	2.54898-	1	2.23309-	1	7.94935-	2	2.54836-	29849	4	2	1148
2.00491-	3	3.70977-	4	1.87385-	5	1.47731-	6	6.96610-	8	2.37255-	99849	4	2	1149
0.0	+	0	2.00000+	6	0	0	0	12	09849	4	2	1150		
6.06007-	1	4.35701-	1	3.15544-	1	3.08959-	1	1.63440-	1	5.91299-	29849	4	2	1151

7.77193-	3	1.91551-	3	1.39819-	4	1.72005-	5	1.03167-	6	5.75214-	89849	4	2	1152
0.0	+	0 2.25000+	6	0	0	0	0	12	0	09849	4	2	1153	
6.36086-	1	4.61269-	1	3.40306-	1	3.28730-	1	1.95855-	1	7.54453-	29849	4	2	1154
1.23692-	2	3.44456-	3	2.95963-	4	4.38980-	5	2.79229-	6	2.00600-	79849	4	2	1155
0.0	+	0 2.50000+	6	0	0	0	0	14	0	09849	4	2	1156	
6.61861-	1	4.83678-	1	3.64266-	1	3.40449-	1	2.20763-	1	9.03766-	29849	4	2	1157
1.80525-	2	5.59894-	3	5.60116-	4	1.02757-	4	6.54138-	6	7.78941-	79849	4	2	1158
3.31206-	8	3.45111-	10							9849	4	2	1159	
0.0	+	0 2.75000+	6	0	0	0	0	14	0	09849	4	2	1160	
6.83705-	1	5.05115-	1	3.87681-	1	3.48475-	1	2.39863-	1	1.04042-	19849	4	2	1161
2.46807-	2	8.38579-	3	9.75269-	4	2.04790-	4	1.31609-	5	1.89328-	69849	4	2	1162
9.54300-	8	1.07460-	9							9849	4	2	1163	
0.0	+	0 3.00000+	6	0	0	0	0	14	0	09849	4	2	1164	
7.02454-	1	5.26424-	1	4.10269-	1	3.55383-	1	2.54943-	1	1.16767-	19849	4	2	1165
3.20377-	2	1.17636-	2	1.58881-	3	3.74173-	4	2.39953-	5	4.23482-	69849	4	2	1166
2.49538-	7	3.03281-	9							9849	4	2	1167	
0.0	+	0 3.50000+	6	0	0	0	0	16	0	09849	4	2	1168	
7.33495-	1	5.68458-	1	4.51597-	1	3.70458-	1	2.78081-	1	1.40575-	19849	4	2	1169
4.79558-	2	1.99654-	2	3.67085-	3	1.02614-	3	7.44769-	5	1.90033-	59849	4	2	1170
1.62703-	6	1.82240-	7	6.41081-	9	2.86586-	10			9849	4	2	1171	
0.0	+	0 4.00000+	6	0	0	0	0	16	0	09849	4	2	1172	
7.58689-	1	6.07561-	1	4.87357-	1	3.89826-	1	2.96721-	1	1.63717-	19849	4	2	1173
6.45220-	2	2.98647-	2	7.51213-	3	2.32594-	3	2.18213-	4	6.80902-	59849	4	2	1174
6.33430-	6	8.74044-	7	3.36246-	8	1.64828-	9			9849	4	2	1175	
0.0	+	0 4.50000+	6	0	0	0	0	16	0	09849	4	2	1176	
7.79184-	1	6.41641-	1	5.19223-	1	4.13887-	1	3.14428-	1	1.87737-	19849	4	2	1177
8.20299-	2	4.18587-	2	1.40779-	2	4.71663-	3	6.68989-	4	2.07927-	49849	4	2	1178
2.09712-	5	3.38243-	6	1.45618-	7	7.76395-	9			9849	4	2	1179	
0.0	+	0 5.00000+	6	0	0	0	0	16	0	09849	4	2	1180	
7.95216-	1	6.69655-	1	5.48740-	1	4.41030-	1	3.33271-	1	2.13244-	19849	4	2	1181
1.01296-	1	5.60100-	2	2.38650-	2	8.78407-	3	1.85030-	3	5.28471-	49849	4	2	1182
5.89895-	5	1.07417-	5	5.41773-	7	3.12239-	8			9849	4	2	1183	
0.0	+	0 5.61570+	6	0	0	0	0	18	0	09849	4	2	1184	
8.09247-	1	6.94670-	1	5.79947-	1	4.73002-	1	3.57524-	1	2.44233-	19849	4	2	1185
1.26697-	1	7.42760-	2	3.90102-	2	1.66656-	2	4.97132-	3	1.31303-	39849	4	2	1186
1.76526-	4	3.27607-	5	5.37188-	6	4.14908-	7	4.90695-	8	2.95078-	99849	4	2	1187
0.0	+	0 6.00000+	6	0	0	0	0	18	0	09849	4	2	1188	
8.15170-	1	7.04739-	1	5.94676-	1	4.89379-	1	3.71800-	1	2.61367-	19849	4	2	1189
1.42335-	1	8.49325-	2	4.90505-	2	2.31597-	2	7.95418-	3	2.06226-	39849	4	2	1190
3.15372-	4	6.38219-	5	1.13540-	5	1.01065-	6	1.27399-	7	8.06191-	99849	4	2	1191
0.0	+	0 7.00000+	6	0	0	0	0	18	0	09849	4	2	1192	
8.22207-	1	7.14142-	1	6.15371-	1	5.17571-	1	4.03263-	1	2.96851-	19849	4	2	1193
1.81315-	1	1.11374-	1	7.63519-	2	4.55300-	2	1.96940-	2	5.56416-	39849	4	2	1194
1.20373-	3	3.02907-	4	6.37015-	5	7.67001-	6	1.09646-	6	7.87994-	89849	4	2	1195
0.0	+	0 8.00000+	6	0	0	0	0	20	0	09849	4	2	1196	
8.21429-	1	7.07836-	1	6.18111-	1	5.31222-	1	4.28180-	1	3.25526-	19849	4	2	1197
2.20977-	1	1.42409-	1	1.07296-	1	7.60493-	2	3.90274-	2	1.33793-	29849	4	2	1198
3.88626-	3	1.15903-	3	2.54786-	4	4.53056-	5	8.93634-	6	9.22597-	79849	4	2	1199
1.08111-	7	6.56755-	9							9849	4	2	1200	
0.0	+	0 9.00000+	6	0	0	0	0	20	0	09849	4	2	1201	
8.19005-	1	6.95834-	1	6.11596-	1	5.35974-	1	4.46371-	1	3.52072-	19849	4	2	1202
2.60495-	1	1.80754-	1	1.41529-	1	1.12642-	1	6.77548-	2	2.85718-	29849	4	2	1203
1.03846-	2	3.42476-	3	8.21967-	4	1.69676-	4	3.73069-	5	4.07008-	69849	4	2	1204
6.23239-	7	4.65872-	8							9849	4	2	1205	
0.0	+	0 1.00000+	7	0	0	0	0	20	0	09849	4	2	1206	
8.21137-	1	6.88536-	1	6.04399-	1	5.35212-	1	4.57760-	1	3.76367-	19849	4	2	1207
2.95975-	1	2.22813-	1	1.77368-	1	1.50388-	1	1.04178-	1	5.31923-	29849	4	2	1208
2.27390-	2	8.06394-	3	2.16702-	3	5.05858-	4	1.23213-	4	2.01849-	59849	4	2	1209
3.25766-	6	5.60246-	7							9849	4	2	1210	
0.0	+	0 1.20000+	7	0	0	0	0	20	0	09849	4	2	1211	
8.45577-	1	7.06185-	1	6.08419-	1	5.35671-	1	4.73077-	1	4.11607-	19849	4	2	1212
3.49611-	1	2.93894-	1	2.45562-	1	2.13950-	1	1.75772-	1	1.17339-	19849	4	2	1213
6.25830-	2	2.67742-	2	9.43081-	3	2.89405-	3	8.37348-	4	1.85331-	49849	4	2	1214
4.04449-	5	8.10489-	6							9849	4	2	1215	
0.0	+	0 1.26230+	7	0	0	0	0	20	0	09849	4	2	1216	
8.56044-	1	7.18888-	1	6.17404-	1	5.42403-	1	4.80785-	1	4.21964-	19849	4	2	1217
3.64294-	1	3.11875-	1	2.64894-	1	2.30572-	1	1.93718-	1	1.36565-	19849	4	2	1218
7.73333-	2	3.54594-	2	1.35770-	2	4.52758-	3	1.38796-	3	3.36561-	49849	4	2	1219
8.49269-	5	1.73382-	5							9849	4	2	1220	
0.0	+	0 1.40000+	7	0	0	0	0	20	0	09849	4	2	1221	
8.79719-	1	7.53618-	1	6.49538-	1	5.70664-	1	5.06431-	1	4.49476-	19849	4	2	1222
3.96950-	1	3.48105-	1	3.03440-	1	2.64020-	1	2.26243-	1	1.73800-	19849	4	2	1223

1.11027-	1	5.89882-	2	2.66698-	2	1.04803-	2	3.65268-	3	1.05255-	39849	4	2	1224
2.91983-	4	6.65958-	5								9849	4	2	1225
0.0	+	0	1.60000+	7		0		0	20		09849	4	2	1226
9.09798-	1	8.05982-	1	7.08767-	1	6.27661-	1	5.57071-	1	4.97887-	19849	4	2	1227
4.43981-	1	3.95078-	1	3.49123-	1	3.05576-	1	2.62563-	1	2.14610-	19849	4	2	1228
1.55929-	1	9.81892-	2	5.37838-	2	2.57416-	2	1.07516-	2	3.82828-	39849	4	2	1229
1.22402-	3	3.35213-	4								9849	4	2	1230
0.0	+	0	1.80000+	7		0		0	20		09849	4	2	1231
9.30493-	1	8.45720-	1	7.59751-	1	6.81010-	1	6.08775-	1	5.46026-	19849	4	2	1232
4.88203-	1	4.36252-	1	3.86705-	1	3.39881-	1	2.92900-	1	2.44863-	19849	4	2	1233
1.91319-	1	1.35027-	1	8.52753-	2	4.80119-	2	2.38001-	2	1.01987-	29849	4	2	1234
3.81354-	3	1.23202-	3								9849	4	2	1235
0.0	+	0	1.86650+	7		0		0	20		09849	4	2	1236
9.30493-	1	8.45720-	1	7.59751-	1	6.81010-	1	6.08775-	1	5.46026-	19849	4	2	1237
4.88203-	1	4.36252-	1	3.86705-	1	3.39881-	1	2.92900-	1	2.44863-	19849	4	2	1238
1.91319-	1	1.35027-	1	8.52753-	2	4.80119-	2	2.38001-	2	1.01987-	29849	4	2	1239
3.81354-	3	1.23202-	3								9849	4	2	1240
0.0	+	0	2.00000+	7		0		0	20		09849	4	2	1241
9.30493-	1	8.45720-	1	7.59751-	1	6.81010-	1	6.08775-	1	5.46026-	19849	4	2	1242
4.88203-	1	4.36252-	1	3.86705-	1	3.39881-	1	2.92900-	1	2.44863-	19849	4	2	1243
1.91319-	1	1.35027-	1	8.52753-	2	4.80119-	2	2.38001-	2	1.01987-	29849	4	2	1244
3.81354-	3	1.23202-	3								9849	4	2	1245
											9849	4	0	1246
9.82490+	4	2.46935+	2			0		2		0	09849	4	16	1247
0.0	+	0	2.46935+	2		0		1		0	09849	4	16	1248
0.0	+	0	0.0	+	0	0		0		1	29849	4	16	1249
						0		0		0	09849	4	16	1250
0.0	+	0	5.61570+	6		0		0		1	29849	4	16	1251
						0		0		0	09849	4	16	1252
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	16	1253
0.0	+	0	2.00000+	7		0		0		1	29849	4	16	1254
						0		0		0	09849	4	16	1255
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	16	1256
											9849	4	0	1257
9.82490+	4	2.46935+	2			0		2		0	09849	4	17	1258
0.0	+	0	2.46935+	2		0		1		0	09849	4	17	1259
0.0	+	0	0.0	+	0	0		0		1	29849	4	17	1260
						0		0		0	09849	4	17	1261
0.0	+	0	1.26230+	7		0		0		1	29849	4	17	1262
						0		0		0	09849	4	17	1263
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	17	1264
0.0	+	0	2.00000+	7		0		0		1	29849	4	17	1265
						0		0		0	09849	4	17	1266
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	17	1267
											9849	4	0	1268
9.82490+	4	2.46935+	2			0		2		0	09849	4	18	1269
0.0	+	0	2.46935+	2		0		1		0	09849	4	18	1270
0.0	+	0	0.0	+	0	0		0		1	29849	4	18	1271
						0		0		0	09849	4	18	1272
0.0	+	0	1.00000-	5		0		0		1	29849	4	18	1273
						0		0		0	09849	4	18	1274
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	18	1275
0.0	+	0	2.00000+	7		0		0		1	29849	4	18	1276
						0		0		0	09849	4	18	1277
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	18	1278
											9849	4	0	1279
9.82490+	4	2.46935+	2			0		2		0	09849	4	37	1280
0.0	+	0	2.46935+	2		0		1		0	09849	4	37	1281
0.0	+	0	0.0	+	0	0		0		1	29849	4	37	1282
						0		0		0	09849	4	37	1283
0.0	+	0	1.86650+	7		0		0		1	29849	4	37	1284
						0		0		0	09849	4	37	1285
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	37	1286
0.0	+	0	2.00000+	7		0		0		1	29849	4	37	1287
						0		0		0	09849	4	37	1288
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1				9849	4	37	1289
											9849	4	0	1290
9.82490+	4	2.46935+	2			0		1		0	09849	4	51	1291
0.0	+	0	2.46935+	2		0		2		0	09849	4	51	1292
0.0	+	0	0.0	+	0	0		0		1	49849	4	51	1293
						0		0		0	09849	4	51	1294
0.0	+	0	6.27531+	4		0		0		2	09849	4	51	1295

0.0	+ 0 0.0	+ 0				9849	4	51	1296
0.0	+ 0 8.00000+	6	0	0	18	09849	4	51	1297
0.0	+ 0 2.60094-	2 0.0	+ 0 3.23356-	3 0.0	+ 0 3.41852-	49849	4	51	1298
0.0	+ 0-8.15969-	5 0.0	+ 0-7.87082-	5 0.0	+ 0-3.38733-	59849	4	51	1299
0.0	+ 0-2.93963-	6 0.0	+ 0-3.62359-	8 0.0	+ 0-5.60657-	99849	4	51	1300
0.0	+ 0 1.40000+	7	0	0	20	09849	4	51	1301
0.0	+ 0 3.18652-	2 0.0	+ 0 4.61675-	3 0.0	+ 0 8.96217-	49849	4	51	1302
0.0	+ 0 1.27017-	4 0.0	+ 0-3.95474-	5 0.0	+ 0-5.49808-	59849	4	51	1303
0.0	+ 0-3.13185-	5 0.0	+ 0-7.63107-	6 0.0	+ 0-8.73980-	79849	4	51	1304
0.0	+ 0-1.13647-	7				9849	4	51	1305
0.0	+ 0 2.00000+	7	0	0	20	09849	4	51	1306
0.0	+ 0 4.26152-	2 0.0	+ 0 4.95704-	3 0.0	+ 0 1.63857-	39849	4	51	1307
0.0	+ 0 3.06854-	4 0.0	+ 0 5.40940-	5 0.0	+ 0-2.15420-	59849	4	51	1308
0.0	+ 0-3.55095-	5 0.0	+ 0-2.28578-	5 0.0	+ 0-9.24044-	69849	4	51	1309
0.0	+ 0-2.43325-	6				9849	4	51	1310
9.82490+	4 2.46935+	2	0	1	0	09849	4	52	1312
0.0	+ 0 2.46935+	2	0	2	0	09849	4	52	1313
0.0	+ 0 0.0	+ 0	0	0	1	49849	4	52	1314
	4	2	0	0	0	09849	4	52	1315
0.0	+ 0 1.36752+	5	0	0	2	09849	4	52	1316
0.0	+ 0 0.0	+ 0				9849	4	52	1317
0.0	+ 0 8.00000+	6	0	0	18	09849	4	52	1318
0.0	+ 0 1.30800-	2 0.0	+ 0-1.70748-	3 0.0	+ 0-1.24267-	39849	4	52	1319
0.0	+ 0-4.45819-	4 0.0	+ 0-8.96458-	5 0.0	+ 0 6.31431-	69849	4	52	1320
0.0	+ 0 1.21161-	6 0.0	+ 0 1.25251-	8 0.0	+ 0 3.15398-	99849	4	52	1321
0.0	+ 0 1.40000+	7	0	0	20	09849	4	52	1322
0.0	+ 0 1.99673-	2 0.0	+ 0 4.43032-	4 0.0	+ 0-9.79760-	49849	4	52	1323
0.0	+ 0-5.83679-	4 0.0	+ 0-2.52063-	4 0.0	+ 0-7.00255-	59849	4	52	1324
0.0	+ 0-3.45568-	6 0.0	+ 0 2.02576-	6 0.0	+ 0 3.42883-	79849	4	52	1325
0.0	+ 0 6.36336-	8				9849	4	52	1326
0.0	+ 0 2.00000+	7	0	0	20	09849	4	52	1327
0.0	+ 0 2.92892-	2 0.0	+ 0 1.48219-	3 0.0	+ 0-4.05545-	49849	4	52	1328
0.0	+ 0-5.87450-	4 0.0	+ 0-3.25407-	4 0.0	+ 0-1.60093-	49849	4	52	1329
0.0	+ 0-5.46826-	5 0.0	+ 0-9.41156-	6 0.0	+ 0 8.09351-	79849	4	52	1330
0.0	+ 0 9.29242-	7				9849	4	52	1331
						9849	4	0	1332
9.82490+	4 2.46935+	2	0	1	0	09849	4	53	1333
0.0	+ 0 2.46935+	2	0	2	0	09849	4	53	1334
0.0	+ 0 0.0	+ 0	0	0	1	49849	4	53	1335
	4	2	0	0	0	09849	4	53	1336
0.0	+ 0 1.45587+	5	0	0	2	09849	4	53	1337
0.0	+ 0 0.0	+ 0				9849	4	53	1338
0.0	+ 0 8.00000+	6	0	0	18	09849	4	53	1339
0.0	+ 0 1.57556-	2 0.0	+ 0-2.31454-	3 0.0	+ 0-1.15733-	39849	4	53	1340
0.0	+ 0-4.71825-	4 0.0	+ 0-9.04425-	5 0.0	+ 0-2.11993-	59849	4	53	1341
0.0	+ 0 4.83756-	8 0.0	+ 0-2.38716-	8 0.0	+ 0-1.34529-	109849	4	53	1342
0.0	+ 0 1.40000+	7	0	0	20	09849	4	53	1343
0.0	+ 0 4.32189-	2 0.0	+ 0-1.90454-	3 0.0	+ 0-1.13845-	39849	4	53	1344
0.0	+ 0-7.24798-	4 0.0	+ 0-3.88532-	4 0.0	+ 0-1.09860-	49849	4	53	1345
0.0	+ 0-2.91060-	5 0.0	+ 0-2.19456-	6 0.0	+ 0-4.80372-	79849	4	53	1346
0.0	+ 0-1.81891-	8				9849	4	53	1347
0.0	+ 0 2.00000+	7	0	0	20	09849	4	53	1348
0.0	+ 0 6.71337-	2 0.0	+ 0 1.32187-	3 0.0	+ 0-1.65638-	39849	4	53	1349
0.0	+ 0-6.40957-	4 0.0	+ 0-4.88074-	4 0.0	+ 0-2.90159-	49849	4	53	1350
0.0	+ 0-9.95396-	5 0.0	+ 0-2.42028-	5 0.0	+ 0-5.01526-	69849	4	53	1351
0.0	+ 0-1.05868-	6				9849	4	53	1352
						9849	4	0	1353
9.82490+	4 2.46935+	2	0	1	0	09849	4	54	1354
0.0	+ 0 2.46935+	2	0	2	0	09849	4	54	1355
0.0	+ 0 0.0	+ 0	0	0	1	49849	4	54	1356
	4	2	0	0	0	09849	4	54	1357
0.0	+ 0 1.88761+	5	0	0	2	09849	4	54	1358
0.0	+ 0 0.0	+ 0				9849	4	54	1359
0.0	+ 0 8.00000+	6	0	0	18	09849	4	54	1360
0.0	+ 0 2.58368-	2 0.0	+ 0 3.06094-	3 0.0	+ 0 3.48948-	49849	4	54	1361
0.0	+ 0-3.00806-	5 0.0	+ 0-3.26204-	5 0.0	+ 0-4.07644-	69849	4	54	1362
0.0	+ 0-1.02668-	6 0.0	+ 0 1.42441-	9 0.0	+ 0-8.05021-	119849	4	54	1363
0.0	+ 0 1.40000+	7	0	0	20	09849	4	54	1364
0.0	+ 0 4.27565-	2 0.0	+ 0 3.98498-	3 0.0	+ 0 1.29769-	39849	4	54	1365
0.0	+ 0 1.61539-	4 0.0	+ 0-1.83729-	5 0.0	+ 0-2.86436-	59849	4	54	1366
0.0	+ 0-1.23436-	5 0.0	+ 0-3.65701-	6 0.0	+ 0-5.96074-	89849	4	54	1367

0.0	+ 0-4.24320-	9				9849	4	54	1368
0.0	+ 0 2.00000+	7	0	0	20	09849	4	54	1369
0.0	+ 0 6.18712-	2 0.0	+ 0 5.10637-	3 0.0	+ 0 1.65778-	39849	4	54	1370
0.0	+ 0 6.09110-	4 0.0	+ 0 5.09918-	5 0.0	+ 0-2.04712-	59849	4	54	1371
0.0	+ 0-2.27948-	5 0.0	+ 0-1.67014-	5 0.0	+ 0-5.45003-	69849	4	54	1372
0.0	+ 0-5.97583-	7				9849	4	54	1373
						9849	4	0	1374
9.82490+	4 2.46935+	2	0	1	0	09849	4	55	1375
0.0	+ 0 2.46935+	2	0	2	0	09849	4	55	1376
0.0	+ 0 0.0	+ 0	0	0	1	49849	4	55	1377
	4	2	0	0	0	09849	4	55	1378
0.0	+ 0 2.19887+	5	0	0	2	09849	4	55	1379
0.0	+ 0 0.0	+ 0				9849	4	55	1380
0.0	+ 0 8.00000+	6	0	0	18	09849	4	55	1381
0.0	+ 0-3.31726-	3 0.0	+ 0-4.84583-	3 0.0	+ 0-9.90091-	49849	4	55	1382
0.0	+ 0 8.54012-	5 0.0	+ 0 1.24171-	4 0.0	+ 0 1.62781-	59849	4	55	1383
0.0	+ 0 4.33025-	7 0.0	+ 0 8.26870-	9 0.0	+ 0-3.72359-	109849	4	55	1384
0.0	+ 0 1.40000+	7	0	0	20	09849	4	55	1385
0.0	+ 0 6.20792-	3 0.0	+ 0-3.39682-	3 0.0	+ 0-1.62775-	39849	4	55	1386
0.0	+ 0-3.71322-	4 0.0	+ 0 2.78968-	5 0.0	+ 0 6.81411-	59849	4	55	1387
0.0	+ 0 2.02796-	5 0.0	+ 0 2.15082-	6 0.0	+ 0 1.28565-	79849	4	55	1388
0.0	+ 0-1.02616-	8				9849	4	55	1389
0.0	+ 0 2.00000+	7	0	0	20	09849	4	55	1390
0.0	+ 0 1.51864-	2 0.0	+ 0-2.15122-	3 0.0	+ 0-1.69026-	39849	4	55	1391
0.0	+ 0-6.93057-	4 0.0	+ 0-1.62882-	4 0.0	+ 0 1.66015-	59849	4	55	1392
0.0	+ 0 4.22101-	5 0.0	+ 0 1.93607-	5 0.0	+ 0 4.36830-	69849	4	55	1393
0.0	+ 0 3.40995-	7				9849	4	55	1394
						9849	4	0	1395
9.82490+	4 2.46935+	2	0	1	0	09849	4	56	1396
0.0	+ 0 2.46935+	2	0	2	0	09849	4	56	1397
0.0	+ 0 0.0	+ 0	0	0	1	49849	4	56	1398
	4	2	0	0	0	09849	4	56	1399
0.0	+ 0 2.44084+	5	0	0	2	09849	4	56	1400
0.0	+ 0 0.0	+ 0				9849	4	56	1401
0.0	+ 0 8.00000+	6	0	0	18	09849	4	56	1402
0.0	+ 0 2.94642-	2 0.0	+ 0 5.24629-	3 0.0	+ 0 1.33772-	39849	4	56	1403
0.0	+ 0 4.10776-	4 0.0	+ 0 1.03251-	4 0.0	+ 0 1.41650-	59849	4	56	1404
0.0	+ 0 1.33958-	6 0.0	+ 0 7.25683-	9 0.0	+ 0 1.24469-	109849	4	56	1405
0.0	+ 0 1.40000+	7	0	0	20	09849	4	56	1406
0.0	+ 0 3.91759-	2 0.0	+ 0 6.34594-	3 0.0	+ 0 2.15672-	39849	4	56	1407
0.0	+ 0 7.28888-	4 0.0	+ 0 3.08117-	4 0.0	+ 0 1.06168-	49849	4	56	1408
0.0	+ 0 2.91441-	5 0.0	+ 0 5.58031-	6 0.0	+ 0 2.61713-	79849	4	56	1409
0.0	+ 0 1.28349-	8				9849	4	56	1410
0.0	+ 0 2.00000+	7	0	0	20	09849	4	56	1411
0.0	+ 0 5.36073-	2 0.0	+ 0 6.56319-	3 0.0	+ 0 2.83687-	39849	4	56	1412
0.0	+ 0 1.06424-	3 0.0	+ 0 4.37920-	4 0.0	+ 0 2.20329-	49849	4	56	1413
0.0	+ 0 9.19225-	5 0.0	+ 0 3.29273-	5 0.0	+ 0 8.64268-	69849	4	56	1414
0.0	+ 0 1.14924-	6				9849	4	56	1415
						9849	4	0	1416
9.82490+	4 2.46935+	2	0	1	0	09849	4	57	1417
0.0	+ 0 2.46935+	2	0	2	0	09849	4	57	1418
0.0	+ 0 0.0	+ 0	0	0	1	49849	4	57	1419
	4	2	0	0	0	09849	4	57	1420
0.0	+ 0 3.81037+	5	0	0	2	09849	4	57	1421
0.0	+ 0 0.0	+ 0				9849	4	57	1422
0.0	+ 0 8.00000+	6	0	0	18	09849	4	57	1423
0.0	+ 0 2.54405-	2 0.0	+ 0 3.00471-	3 0.0	+ 0 3.26293-	49849	4	57	1424
0.0	+ 0-3.34975-	5 0.0	+ 0-3.20226-	5 0.0	+ 0-4.13274-	69849	4	57	1425
0.0	+ 0-8.93897-	7 0.0	+ 0 1.25040-	9 0.0	+ 0-6.83661-	119849	4	57	1426
0.0	+ 0 1.40000+	7	0	0	20	09849	4	57	1427
0.0	+ 0 4.23651-	2 0.0	+ 0 3.96084-	3 0.0	+ 0 1.27840-	39849	4	57	1428
0.0	+ 0 1.53911-	4 0.0	+ 0-2.00811-	5 0.0	+ 0-2.88761-	59849	4	57	1429
0.0	+ 0-1.21446-	5 0.0	+ 0-3.43730-	6 0.0	+ 0-5.34553-	89849	4	57	1430
0.0	+ 0-3.92130-	9				9849	4	57	1431
0.0	+ 0 2.00000+	7	0	0	20	09849	4	57	1432
0.0	+ 0 6.15096-	2 0.0	+ 0 5.05694-	3 0.0	+ 0 1.65364-	39849	4	57	1433
0.0	+ 0 5.98919-	4 0.0	+ 0 4.77725-	5 0.0	+ 0-2.09702-	59849	4	57	1434
0.0	+ 0-2.30618-	5 0.0	+ 0-1.65914-	5 0.0	+ 0-5.26989-	69849	4	57	1435
0.0	+ 0-5.63980-	7				9849	4	57	1436
						9849	4	0	1437
9.82490+	4 2.46935+	2	0	1	0	09849	4	58	1438
0.0	+ 0 2.46935+	2	0	2	0	09849	4	58	1439

0.0	+ 0 0.0	+ 0	0	0	1	49849 4 58 1440
	4	2	0	0	0	09849 4 58 1441
0.0	+ 0 4.18287+	5	0	0	2	09849 4 58 1442
0.0	+ 0 0.0	+ 0	0	0		9849 4 58 1443
0.0	+ 0 8.00000+	6	0	0	18	09849 4 58 1444
0.0	+ 0-4.61159-	3 0.0	+ 0-1.10423-	2 0.0	+ 0 5.61256-	49849 4 58 1445
0.0	+ 0 7.39639-	4 0.0	+ 0-4.77602-	6 0.0	+ 0-5.67139-	59849 4 58 1446
0.0	+ 0-1.63755-	6 0.0	+ 0-5.75671-	8 0.0	+ 0-5.28328-	109849 4 58 1447
0.0	+ 0 1.40000+	7	0	0	20	09849 4 58 1448
0.0	+ 0 4.13910-	2 0.0	+ 0-1.35758-	2 0.0	+ 0-5.13010-	39849 4 58 1449
0.0	+ 0 7.44173-	4 0.0	+ 0 7.96570-	4 0.0	+ 0 3.85416-	59849 4 58 1450
0.0	+ 0-7.91873-	5 0.0	+ 0-1.31934-	5 0.0	+ 0-1.52587-	69849 4 58 1451
0.0	+ 0-5.92152-	8				9849 4 58 1452
0.0	+ 0 2.00000+	7	0	0	20	09849 4 58 1453
0.0	+ 0 7.15244-	2 0.0	+ 0-5.92338-	3 0.0	+ 0-8.19531-	39849 4 58 1454
0.0	+ 0-1.96967-	3 0.0	+ 0 7.41248-	4 0.0	+ 0 6.08929-	49849 4 58 1455
0.0	+ 0 6.86782-	5 0.0	+ 0-6.06477-	5 0.0	+ 0-2.59650-	59849 4 58 1456
0.0	+ 0-4.63900-	6				9849 4 58 1457
						9849 4 0 1458
9.82490+	4 2.46935+	2	0	1	0	09849 4 59 1459
0.0	+ 0 2.46935+	2	0	2	0	09849 4 59 1460
0.0	+ 0 0.0	+ 0	0	0	1	49849 4 59 1461
	4	2	0	0	0	09849 4 59 1462
0.0	+ 0 4.39272+	5	0	0	2	09849 4 59 1463
0.0	+ 0 0.0	+ 0				9849 4 59 1464
0.0	+ 0 8.00000+	6	0	0	18	09849 4 59 1465
0.0	+ 0 2.92414-	2 0.0	+ 0 5.19568-	3 0.0	+ 0 1.31968-	39849 4 59 1466
0.0	+ 0 4.01212-	4 0.0	+ 0 9.89495-	5 0.0	+ 0 1.33059-	59849 4 59 1467
0.0	+ 0 1.16147-	6 0.0	+ 0 6.15125-	9 0.0	+ 0 1.05155-	109849 4 59 1468
0.0	+ 0 1.40000+	7	0	0	20	09849 4 59 1469
0.0	+ 0 3.89083-	2 0.0	+ 0 6.33590-	3 0.0	+ 0 2.13916-	39849 4 59 1470
0.0	+ 0 7.24013-	4 0.0	+ 0 3.04708-	4 0.0	+ 0 1.04040-	49849 4 59 1471
0.0	+ 0 2.82344-	5 0.0	+ 0 5.23988-	6 0.0	+ 0 2.40009-	79849 4 59 1472
0.0	+ 0 1.15430-	8				9849 4 59 1473
0.0	+ 0 2.00000+	7	0	0	20	09849 4 59 1474
0.0	+ 0 5.33148-	2 0.0	+ 0 6.54719-	3 0.0	+ 0 2.82853-	39849 4 59 1475
0.0	+ 0 1.05626-	3 0.0	+ 0 4.35806-	4 0.0	+ 0 2.18520-	49849 4 59 1476
0.0	+ 0 9.06729-	5 0.0	+ 0 3.23132-	5 0.0	+ 0 8.34007-	69849 4 59 1477
0.0	+ 0 1.08733-	6				9849 4 59 1478
						9849 4 0 1479
9.82490+	4 2.46935+	2	0	1	0	09849 4 60 1480
0.0	+ 0 2.46935+	2	0	2	0	09849 4 60 1481
0.0	+ 0 0.0	+ 0	0	0	1	49849 4 60 1482
	4	2	0	0	0	09849 4 60 1483
0.0	+ 0 4.41782+	5	0	0	2	09849 4 60 1484
0.0	+ 0 0.0	+ 0				9849 4 60 1485
0.0	+ 0 8.00000+	6	0	0	18	09849 4 60 1486
0.0	+ 0 3.56731-	3 0.0	+ 0-7.47420-	3 0.0	+ 0-7.49757-	49849 4 60 1487
0.0	+ 0 1.24593-	4 0.0	+ 0 1.00722-	4 0.0	+ 0 4.19952-	59849 4 60 1488
0.0	+ 0 9.06539-	7 0.0	+ 0 4.00538-	8 0.0	+ 0 3.30630-	109849 4 60 1489
0.0	+ 0 1.40000+	7	0	0	20	09849 4 60 1490
0.0	+ 0 4.18508-	2 0.0	+ 0-8.55102-	3 0.0	+ 0-3.45422-	39849 4 60 1491
0.0	+ 0-3.58399-	4 0.0	+ 0 6.44162-	5 0.0	+ 0 1.05786-	49849 4 60 1492
0.0	+ 0 6.27710-	5 0.0	+ 0 8.38631-	6 0.0	+ 0 1.02878-	69849 4 60 1493
0.0	+ 0 3.89459-	8				9849 4 60 1494
0.0	+ 0 2.00000+	7	0	0	20	09849 4 60 1495
0.0	+ 0 6.97314-	2 0.0	+ 0-2.90391-	3 0.0	+ 0-5.34221-	39849 4 60 1496
0.0	+ 0-1.52078-	3 0.0	+ 0-1.20336-	4 0.0	+ 0 6.50552-	59849 4 60 1497
0.0	+ 0 8.42523-	5 0.0	+ 0 5.35927-	5 0.0	+ 0 1.68309-	59849 4 60 1498
0.0	+ 0 2.97543-	6				9849 4 60 1499
						9849 4 0 1500
9.82490+	4 2.46935+	2	0	1	0	09849 4 61 1501
0.0	+ 0 2.46935+	2	0	2	0	09849 4 61 1502
0.0	+ 0 0.0	+ 0	0	0	1	49849 4 61 1503
	4	2	0	0	0	09849 4 61 1504
0.0	+ 0 4.44794+	5	0	0	2	09849 4 61 1505
0.0	+ 0 0.0	+ 0				9849 4 61 1506
0.0	+ 0 8.00000+	6	0	0	18	09849 4 61 1507
0.0	+ 0 2.53123-	2 0.0	+ 0 2.98610-	3 0.0	+ 0 3.19108-	49849 4 61 1508
0.0	+ 0-3.45220-	5 0.0	+ 0-3.17586-	5 0.0	+ 0-4.14679-	69849 4 61 1509
0.0	+ 0-8.52388-	7 0.0	+ 0 1.19068-	9 0.0	+ 0-6.46360-	119849 4 61 1510
0.0	+ 0 1.40000+	7	0	0	20	09849 4 61 1511

0.0	+ 0 4.22359-	2 0.0	+ 0 3.95279-	3 0.0	+ 0 1.27197-	39849	4 61 1512
0.0	+ 0 1.51408-	4 0.0	+ 0-2.06434-	5 0.0	+ 0-2.89452-	59849	4 61 1513
0.0	+ 0-1.20797-	5 0.0	+ 0-3.36466-	6 0.0	+ 0-5.16074-	89849	4 61 1514
0.0	+ 0-3.81705-	9				9849	4 61 1515
0.0	+ 0 2.00000+	7	0	0	20	09849	4 61 1516
0.0	+ 0 6.13891-	2 0.0	+ 0 5.04065-	3 0.0	+ 0 1.65218-	39849	4 61 1517
0.0	+ 0 5.95509-	4 0.0	+ 0 4.67171-	5 0.0	+ 0-2.11372-	59849	4 61 1518
0.0	+ 0-2.31475-	5 0.0	+ 0-1.65526-	5 0.0	+ 0-5.20993-	69849	4 61 1519
0.0	+ 0-5.53221-	7				9849	4 61 1520
						9849	4 0 1521
9.82490+	4 2.46935+	2	0	1	0	09849	4 62 1522
0.0	+ 0 2.46935+	2	0	2	0	09849	4 62 1523
0.0	+ 0 0.0	+ 0	0	0	1	49849	4 62 1524
	4	2	0	0	0	09849	4 62 1525
0.0	+ 0 4.61863+	5	0	0	2	09849	4 62 1526
0.0	+ 0 0.0	+ 0				9849	4 62 1527
0.0	+ 0 8.00000+	6	0	0	18	09849	4 62 1528
0.0	+ 0 1.47214-	2 0.0	+ 0-2.33937-	3 0.0	+ 0-1.16643-	39849	4 62 1529
0.0	+ 0-4.51468-	4 0.0	+ 0-8.62228-	5 0.0	+ 0-1.85989-	59849	4 62 1530
0.0	+ 0 3.82317-	8 0.0	+ 0-1.86261-	8 0.0	+ 0-1.02691-	109849	4 62 1531
0.0	+ 0 1.40000+	7	0	0	20	09849	4 62 1532
0.0	+ 0 4.23653-	2 0.0	+ 0-1.98976-	3 0.0	+ 0-1.13142-	39849	4 62 1533
0.0	+ 0-7.30787-	4 0.0	+ 0-3.79525-	4 0.0	+ 0-1.05635-	49849	4 62 1534
0.0	+ 0-2.73343-	5 0.0	+ 0-2.01889-	6 0.0	+ 0-4.26722-	79849	4 62 1535
0.0	+ 0-1.49928-	8				9849	4 62 1536
0.0	+ 0 2.00000+	7	0	0	20	09849	4 62 1537
0.0	+ 0 6.64287-	2 0.0	+ 0 1.16328-	3 0.0	+ 0-1.65163-	39849	4 62 1538
0.0	+ 0-6.40740-	4 0.0	+ 0-4.89954-	4 0.0	+ 0-2.85461-	49849	4 62 1539
0.0	+ 0-9.63567-	5 0.0	+ 0-2.30586-	5 0.0	+ 0-4.75164-	69849	4 62 1540
0.0	+ 0-9.82435-	7				9849	4 62 1541
						9849	4 0 1542
9.82490+	4 2.46935+	2	0	1	0	09849	4 63 1543
0.0	+ 0 2.46935+	2	0	2	0	09849	4 63 1544
0.0	+ 0 0.0	+ 0	0	0	1	49849	4 63 1545
	4	2	0	0	0	09849	4 63 1546
0.0	+ 0 5.02627+	5	0	0	2	09849	4 63 1547
0.0	+ 0 0.0	+ 0				9849	4 63 1548
0.0	+ 0 8.00000+	6	0	0	18	09849	4 63 1549
0.0	+ 0 2.91699-	2 0.0	+ 0 5.17904-	3 0.0	+ 0 1.31371-	39849	4 63 1550
0.0	+ 0 3.98081-	4 0.0	+ 0 9.75463-	5 0.0	+ 0 1.30428-	59849	4 63 1551
0.0	+ 0 1.10721-	6 0.0	+ 0 5.82535-	9 0.0	+ 0 9.93589-	119849	4 63 1552
0.0	+ 0 1.40000+	7	0	0	20	09849	4 63 1553
0.0	+ 0 3.88220-	2 0.0	+ 0 6.33250-	3 0.0	+ 0 2.13344-	39849	4 63 1554
0.0	+ 0 7.22422-	4 0.0	+ 0 3.03590-	4 0.0	+ 0 1.03348-	49849	4 63 1555
0.0	+ 0 2.79426-	5 0.0	+ 0 5.13052-	6 0.0	+ 0 2.33316-	79849	4 63 1556
0.0	+ 0 1.11461-	8				9849	4 63 1557
0.0	+ 0 2.00000+	7	0	0	20	09849	4 63 1558
0.0	+ 0 5.32195-	2 0.0	+ 0 6.54199-	3 0.0	+ 0 2.82571-	39849	4 63 1559
0.0	+ 0 1.05365-	3 0.0	+ 0 4.35108-	4 0.0	+ 0 2.17922-	49849	4 63 1560
0.0	+ 0 9.02637-	5 0.0	+ 0 3.21127-	5 0.0	+ 0 8.24211-	69849	4 63 1561
0.0	+ 0 1.06778-	6				9849	4 63 1562
						9849	4 0 1563
9.82490+	4 2.46935+	2	0	2	0	09849	4 91 1564
0.0	+ 0 2.46935+	2	0	1	0	09849	4 91 1565
0.0	+ 0 0.0	+ 0	0	0	1	29849	4 91 1566
	2	2	0	0	0	09849	4 91 1567
0.0	+ 0 5.52227+	5	0	0	1	29849	4 91 1568
	2	2	0	0	0	09849	4 91 1569
-1.00000+	0 5.00000-	1 1.00000+	0 5.00000-	1		9849	4 91 1570
0.0	+ 0 2.00000+	7	0	0	1	29849	4 91 1571
	2	2	0	0	0	09849	4 91 1572
-1.00000+	0 5.00000-	1 1.00000+	0 5.00000-	1		9849	4 91 1573
						9849	4 0 1574
						9849	0 0 1575
9.82490+	4 2.46935+	2	0	0	2	09849	5 16 1576
5.61570+	6 0.0	+ 0	0	9	1	29849	5 16 1577
	2	2	0	0	0	09849	5 16 1578
5.61570+	6 5.00000-	1 2.00000+	7 5.00000-	1		9849	5 16 1579
0.0	+ 0 0.0	+ 0	0	0	1	99849	5 16 1580
	9	2	0	0	0	09849	5 16 1581
5.61570+	6 4.66402+	5 6.00000+	6 4.83711+	5 8.00000+	6 5.64982+	59849	5 16 1582
1.00000+	7 6.35608+	5 1.20000+	7 6.98920+	5 1.40000+	7 7.56809+	59849	5 16 1583



1.60000+	7	8.10467+	5	1.80000+	7	8.60706+	5	2.00000+	7	9.08105+	5	9849	5	16	1584
5.61570+	6	0.0	+	0	0	0	0	0	1	29849	5	16	1585		
	2								0	09849	5	16	1586		
5.61570+	6	5.00000-	1	2.00000+	7	5.00000-	1			9849	5	16	1587		
0.0	+	0.0	+	0	0	0	0	1		99849	5	16	1588		
	9								0	09849	5	16	1589		
5.61570+	6	4.32768+	5	6.00000+	6	4.32768+	5	8.00000+	6	4.32768+	5	16	1590		
1.00000+	7	4.32768+	5	1.20000+	7	4.19074+	5	1.40000+	7	5.06828+	5	16	1591		
1.60000+	7	5.81456+	5	1.80000+	7	6.47509+	5	2.00000+	7	7.07414+	5	16	1592		
										9849	5	0	1593		
9.82490+	4	2.46935+	2						3	09849	5	17	1594		
1.26227+	7	0.0	+	0	0	0	0	1		29849	5	17	1595		
	2								0	09849	5	17	1596		
1.26227+	7	3.33333-	1	2.00000+	7	3.33333-	1			9849	5	17	1597		
0.0	+	0.0	+	0	0	0	0	1		59849	5	17	1598		
	5								0	09849	5	17	1599		
1.26227+	7	7.17459+	5	1.40000+	7	7.56809+	5	1.60000+	7	8.10467+	5	17	1600		
1.80000+	7	8.60706+	5	2.00000+	7	9.08105+	5			9849	5	17	1601		
1.26227+	7	0.0	+	0	0	0	0	1		29849	5	17	1602		
	2								0	09849	5	17	1603		
1.26227+	7	3.33333-	1	2.00000+	7	3.33333-	1			9849	5	17	1604		
0.0	+	0.0	+	0	0	0	0	1		59849	5	17	1605		
	5								0	09849	5	17	1606		
1.26227+	7	5.12525+	5	1.40000+	7	5.37568+	5	1.60000+	7	5.90107+	5	17	1607		
1.80000+	7	6.49674+	5	2.00000+	7	7.07948+	5			9849	5	17	1608		
1.26227+	7	0.0	+	0	0	0	0	1		29849	5	17	1609		
	2								0	09849	5	17	1610		
1.26227+	7	3.33333-	1	2.00000+	7	3.33333-	1			9849	5	17	1611		
0.0	+	0.0	+	0	0	0	0	1		59849	5	17	1612		
	5								0	09849	5	17	1613		
1.26227+	7	4.32671+	5	1.40000+	7	4.32671+	5	1.60000+	7	4.32671+	5	17	1614		
1.80000+	7	4.32671+	5	2.00000+	7	3.95987+	5			9849	5	17	1615		
										9849	5	0	1616		
9.82490+	7	2.46935+	2						1	09849	5	18	1617		
-2.00000+	7	0.0	+	0	0	0	0	7		29849	5	18	1618		
	2								0	09849	5	18	1619		
1.00000-	5	1.00000+	0	2.00000+	7	1.00000+	0			9849	5	18	1620		
0.0	+	0.0	+	0	0	0	0	1		29849	5	18	1621		
	2								0	09849	5	18	1622		
1.00000-	5	1.43000+	6	2.00000+	7	1.43000+	6			9849	5	18	1623		
										9849	5	0	1624		
9.82490+	4	2.46935+	2						4	09849	5	37	1625		
1.86650+	7	0.0	+	0	0	0	0	9		29849	5	37	1626		
	2								0	09849	5	37	1627		
1.86650+	7	2.50000-	1	2.00000+	7	2.50000-	1			9849	5	37	1628		
0.0	+	0.0	+	0	0	0	0	1		29849	5	37	1629		
	2								0	09849	5	37	1630		
1.86650+	7	8.76757+	5	2.00000+	7	9.08105+	5			9849	5	37	1631		
1.86650+	7	0.0	+	0	0	0	0	9		29849	5	37	1632		
	2								0	09849	5	37	1633		
1.86650+	7	2.50000-	1	2.00000+	7	2.50000-	1			9849	5	37	1634		
0.0	+	0.0	+	0	0	0	0	1		29849	5	37	1635		
	2								0	09849	5	37	1636		
1.86650+	7	7.21735+	5	2.00000+	7	7.38127+	5			9849	5	37	1637		
1.86650+	7	0.0	+	0	0	0	0	9		29849	5	37	1638		
	2								0	09849	5	37	1639		
1.86650+	7	2.50000-	1	2.00000+	7	2.50000-	1			9849	5	37	1640		
0.0	+	0.0	+	0	0	0	0	1		29849	5	37	1641		
	2								0	09849	5	37	1642		
1.86650+	7	4.87141+	5	2.00000+	7	4.96438+	5			9849	5	37	1643		
1.86650+	7	0.0	+	0	0	0	0	9		29849	5	37	1644		
	2								0	09849	5	37	1645		
1.86650+	7	2.50000-	1	2.00000+	7	2.50000-	1			9849	5	37	1646		
0.0	+	0.0	+	0	0	0	0	1		29849	5	37	1647		
	2								0	09849	5	37	1648		
1.86650+	7	4.33211+	5	2.00000+	7	4.33211+	5			9849	5	37	1649		
										9849	5	0	1650		
9.82490+	4	2.46935+	2						1	09849	5	91	1651		
5.52228+	5	0.0	+	0	0	0	0	9		29849	5	91	1652		
	2								0	09849	5	91	1653		
5.52228+	5	1.00000+	0	2.00000+	7	1.00000+	0			9849	5	91	1654		
0.0	+	0.0	+	0	0	0	0	1		119849	5	91	1655		

	11		2		0		0		0		09849	5	91	1656
5.52228+	5	4.30514+	5	2.00000+	6	4.30514+	5	4.00000+	6	3.84738+	59849	5	91	1657
6.00000+	6	4.83711+	5	8.00000+	6	5.64982+	5	1.00000+	7	6.35608+	59849	5	91	1658
1.20000+	7	6.98920+	5	1.40000+	7	7.56809+	5	1.60000+	7	8.10467+	59849	5	91	1659
1.80000+	7	8.60706+	5	2.00000+	7	9.08105+	5				9849	5	91	1660
											9849	5	0	1661
											9849	0	0	1662
											0	0	0	1663
											-1	0	0	0