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EVALUATION OF NEUTRON NUCLEAR DATA OF ^9Be FOR JENDL-3

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Japan Atomic Energy Research Institute

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Evaluation of Neutron Nuclear Data of ^9Be for JENDL-3

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Neutron nuclear data of ^9Be have been evaluated for JENDL-3 in the energy range from 10^{-5} eV to 20 MeV. Evaluated quantities are the total, elastic and inelastic scattering, photon-production, (n,γ) , (n,p) , (n,d) , (n,t) and (n,α) reaction cross sections and the angular and energy distributions of neutrons. The total cross section below 830 keV was calculated with the R-matrix theory. The statistical model was applied to the prediction of the inelastic scattering and charged-particle emission cross sections. The $(n,2n)$ reaction cross section is given by the sum of the inelastic scattering and (n,α_1) reaction cross sections.

Keywords: Evaluation, Neutron Nuclear Data, Beryllium-9, Cross Section, JENDL-3, R-Matrix Theory, Statistical Model, 10^{-5} eV \sim 20 MeV

JENDL-3のための ^9Be の中性子核データの評価

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(1984年11月20日受理)

JENDL-3のために ^9Be の中性子核データを 10^{-5}eV から 20MeV のエネルギー範囲で評価した。評価した量は全断面積, 弾性・非弾性散乱断面積, 光子生成断面積, (n, γ) 反応断面積, (n, p) 反応断面積, (n, d) 反応断面積, (n, t) 反応断面積, (n, α) 反応断面積, 中性子の角度分布およびエネルギー分布である。830 keV以下の全断面積はR-行列理論により計算した。非弾性散乱断面積および荷電粒子放出反応断面積の計算には統計模型を用いた。 $(n, 2n)$ 反応断面積は非弾性散乱断面積および (n, α_1) 反応断面積の和で与えられる。

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1. Introduction

Beryllium is an important neutron multiplying material for fusion reactors. Its neutron nuclear data¹⁾ are already included in the second version of Japanese Evaluated Nuclear Data Library (JENDL-2) which was released in December 1982. In JENDL-2 the inelastic scattering cross sections were not evaluated, because they were combined into the (n,2n) reaction cross section (MT=16). This treatment, however, is not appropriate for transport calculations, since reaction kinematics cannot be considered exactly. Moreover, the JENDL-2 evaluation was done mainly by using the eye-guide method. Thus, for the third version (JENDL-3), it was decided to re-evaluate the whole data of ^9Be in order to raise their reliability.

In this work the cross sections for the inelastic scattering and for the charged-particle emission reactions were calculated with the statistical model, although its applicability to light nuclei is uncertain. The cross sections were normalized to the reliable experimental data. The total cross section below 830 keV was obtained from the R-matrix calculations.

This report gives details of the evaluation. The status of the presently evaluated quantities is given in Table 1. The evaluated data are compiled in the ENDF/B-V format, and they are listed in Appendix.

2. Total Cross Section

The available experimental data are given in Ref. 1. In the present evaluation, the energy range of the total cross section was divided into three regions, and different methods were employed in each energy region.

2.1 Below 1 eV

In this region, the cross section was obtained by summing up the elastic scattering and radiative capture cross sections described in the following sections.

2.2 Between 1 eV and 830 keV

The cross section was calculated on the basis of the R-matrix theory. By using the try-and-error method, the R-matrix parameters were obtained so as to give the best fit to the following experimental data:

Bockelman ²⁾	(1950)
Hibdon and Langsdorf, Jr. ³⁾	(1955)
Bilpuch et al. ⁴⁾	(1962)
Schwartz et al. ⁵⁾	(1971)
Cabe and Cance ⁶⁾	(1973).

The final values of the parameters obtained here are given in Table 2.

2.3 Above 830 keV

The cross section was obtained from a least-squares fit to the following experimental data:

Schwartz et al. ⁵⁾	(1971)
Foster, Jr. and Glasgow ⁷⁾	(1971)
Auchampaugh et al. ⁸⁾	(1979).

Figures 1-4 show the present results together with the JENDL-2, ENDF/B-IV and experimental data.

3. Elastic Scattering

As for the thermal cross section, Mughabghab et al.⁹⁾ recommended a value of 6.151 barns. We also adopted this value in the energy range from 10^{-5} eV to 1 eV. Above 1 eV, the cross section was obtained by subtracting the reaction cross section from the total cross section. The evaluated cross sections are shown in Figs. 5 and 6.

Concerning the angular distribution we adopted the data¹⁾ of JENDL-2.

4. Inelastic Scattering

In this work we assumed that the (n,2n) reaction would proceed through the two sequential processes such as (A) $n + {}^9\text{Be} \rightarrow n + {}^9\text{Be}^* \rightarrow 2n + 2\alpha$ and (B) $n + {}^9\text{Be} \rightarrow \alpha_1 + {}^6\text{He}^* \rightarrow 2n + 2\alpha$. As to the (n,2n) cross section we adopted the data¹⁾ of JENDL-2, because they seem to be the most reliable. Then the (n,2n) cross section was divided into the cross sections for the inelastic scattering and (n, α_1) reaction.

The inelastic scattering cross section was calculated with the statistical model using the computer code CASTHY¹⁰⁾. As the competing processes, the (n,p), (n,d), (n,t) and (n, α) reactions were taken into consideration. The level scheme of ${}^9\text{Be}$ was taken from "Table of Isotopes", 7th edition¹¹⁾, and it is given in Table 3. Above 14.4 MeV overlapping levels were assumed in the calculation, and a constant nuclear temperature of 1.17 MeV was obtained from the work of Giera et al.¹²⁾ As the optical potential parameters those of Agee and Rosen¹³⁾ were employed, and they are listed in Table 4.

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Taking account of the (n, α_1) reaction, the calculated cross sections were normalized so as to be consistent with the $(n, 2n)$ cross section on the assumption that all the excited levels except 7.9 and 13.79 MeV decay by emitting neutrons with probabilities of 100%. Moreover, we took account of the double-differential cross sections (DDX) measured by Takahashi et al.¹⁴⁾, and then determined the cross section for each level. The virtual continuum was set above 3.06 MeV besides the discrete levels, compensating for neutrons of continuous energies to some extent. Within the framework of the ENDF/B-V format, we can consider only four discrete levels to contribute to the $(n, 2n)$ reaction. Thus, the levels were grouped as seen in Table 5. In this work, the data of MT=16 mean the continuous component of the inelastic scattering rather than the direct $(n, 2n)$ component. The cross sections for the neutrons emitted in the second stage ${}^9\text{Be}^* \rightarrow n + {}^8\text{Be}$ (MT=46, 47, 48 and 49) are the same as those for the neutrons in the first stage (MT=6, 7, 8 and 9), respectively.

The total $(n, 2n)$ reaction cross section itself cannot exist in the presently evaluated data file, because the total cross section should be the sum of all the partial cross sections. For users' convenience, the $(n, 2n)$ cross section, which was calculated from the inelastic scattering (MT=6, 7, 8, 9 and 16) and (n, α_1) cross sections, is given in Table 6, and it is also illustrated in Fig. 7 with experimental data.

The angular distributions of neutrons inelastically scattered from the discrete levels except 2.429 MeV were calculated with the statistical model. Concerning the 2.429 MeV level the distribution was obtained from the experimental data^{15,16)}. Isotropic angular distributions in the laboratory system and evaporation spectra were assumed for the neutrons of continuous energies (MT=16). The nuclear temperature was derived from

the DDX data of Takahashi et al.¹⁴⁾, and it was found to be equal to 1.17 MeV at an incident energy of 14.8 MeV. It should be noted that this value is in good agreement with the one obtained by Giera et al.¹²⁾

For other energies, the following expression was assumed:

$$\theta = (E_n/a)^{1/2},$$

where a is a constant and equal to 10.80 MeV^{-1} . As to the neutrons emitted in the second stage, the angular and energy distributions were calculated kinematically in the same manner as performed by Beynon and Oastler¹⁷⁾.

Figures 8 and 9 show the calculated DDX together with the measured data^{14,16)}. The present evaluation reproduces the measured spectrum in the lower energy region of secondary neutrons. At middle energies, however, the agreement is no good. This discrepancy may come partly from the direct $(n,2n)$ reaction (simultaneous breakup) which was not considered in the present work.

5. Charged-Particle Emission Reactions

The cross sections for the (n,p) , (n,d) , (n,t) and (n,α) reactions were calculated with the statistical model using the computer code ELIESE-3¹⁸⁾. The optical potentials were taken from the following works:

neutron	Agee and Rosen ¹³⁾
proton	Votava et al. ¹⁹⁾
deuteron	Lüdecke et al. ²⁰⁾
triton	Lüdecke et al. ²⁰⁾
α -particle	Shibata and Shirato ²¹⁾

They are given in Table 4. For the calculation of the (n,t) and (n,α) cross sections, the ground state and first excited state levels of the

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α -particle	Shibata and Shirato ²¹⁾

They are given in Table 4. For the calculation of the (n,t) and (n, α) cross sections, the ground state and first excited state levels of the

residual nuclei were considered, while only the ground state was taken into account for the (n,p) and (n,d) reactions. Only the shape of the excitation function was adopted from the present statistical-model calculations, and the cross sections were normalized to the reliable experimental data. In the following subsections, details of the normalization are described for each reaction.

5.1 The (n,p) Reaction

Augustson and Menlove²²⁾ measured the delayed-neutron production cross sections for the $^9\text{Be}(n,p)$ reaction at 14.5 and 14.9 MeV. In the JENDL-2 evaluation we adopted a value of 35% for the delayed-neutron decay probability. Recently two measurements^{23,24)} have been performed on the probability. Their values are consistent with each other, but inconsistent with the one of Chen et al.²⁵⁾ which was used in the previous work. Thus, in the present evaluation, we employed the most recent value of 49.5%²⁴⁾. Using this value the measured (n,p) cross section was turned out to be 0.42 mb at 14.9 MeV, and the statistical-model calculation was normalized to this. Figure 10 shows the result.

5.2 The (n,d) Reaction

Scobel²⁶⁾ measured the cross section in the energy range from 16.3 to 18.7 MeV. The present evaluation was completely based on his data with a least-squares fit, abandoning the statistical-model calculation. In Fig. 11 is shown the result.

5.3 The (n,t) Reaction

The (n,t) cross section was measured by Bödy et al.²⁷⁾ in the energy range from 13.55 to 14.7 MeV with the activation method. Thus,

the total (n,t) cross section calculated with the statistical model was normalized to their data. Using the same normalization factor, the cross sections for the (n,t_0) and (n,t_1) reactions were deduced. Figures 12-14 show the present results with experimental data and other evaluated data. In the ENDF/B-IV evaluation of the (n,t_1) cross section, there exists a dip at 14 MeV, and this structure comes from the $(n,t_1\gamma)$ data measured by Benveniste et al.²⁸⁾ However, as seen in Fig. 14, the recently measured $(n,t_1\gamma)$ data^{29,30)} do not reveal such structure, and are consistent with our evaluation.

5.4 The (n,α) Reaction

As to the (n,α_0) reaction, the evaluation was completely based on experimental data, and the statistical-model calculation was disregarded. The measurements used for the evaluation are almost the same as those in JENDL-2, and are listed as follows:

Battat and Ribe ³¹⁾	(1953),	14.1 MeV,
Stelson and Campbell ³²⁾	(1957),	0.7 ~ 4.4 MeV,
Bass et al. ³³⁾	(1961),	3.9 ~ 8.6 MeV,
Paić et al. ³⁴⁾	(1967),	14.4 MeV,
Perroud and Sellem ³⁵⁾	(1974),	13.99 MeV,
Shibata and Shirato ²¹⁾	(1983),	14.1 MeV.

As to the (n,α_1) reaction, the statistical-model calculation was normalized to the data measured by Perroud and Sellem³⁵⁾ at 13.99 MeV. In the presently evaluated data file, the (n,α_1) reaction is treated as the $(n,2n)\alpha$ reaction (MT=24), because the first excited state of ${}^6\text{He}$ decays by emitting two neutrons. The angular and energy distributions of the neutrons were calculated with the sequential reaction model¹⁷⁾. The evaluated results are shown in Figs. 15 and 16.

6. Radiative Capture Reaction

We adopted the cross section of JENDL-2, i.e.,

$$\sigma_{n,\gamma} = 1.209 \times 10^{-3} [E_n (\text{eV})]^{-1/2} \text{ barns.}$$

7. Photon Production

7.1 The $(n, t_1 \gamma)$ Reaction

The first excited level (0.478 MeV) of ${}^7\text{Li}$ is known³⁶⁾ to decay by emitting γ -rays, which have isotropic angular distributions, with a probability of 100%. Therefore, we gave a value of 1.0 to the multiplicity.

7.2 The (n, γ) Reaction

Jurney³⁷⁾ measured the capture γ -ray spectrum for thermal neutrons with a Ge(Li) detector, and determined the intensities of the γ -rays. We deduced the γ -ray multiplicities from his data, and they are given in Table 7. The angular distribution of the γ -rays was assumed to be isotropic.

8. Concluding Remarks

Evaluation of neutron nuclear data for ${}^9\text{Be}$ has been performed in the energy range from 10^{-5} eV to 20 MeV. The present evaluation is mainly based on the R-matrix and statistical-model calculations.

The $(n, 2n)$ reaction cross section was divided into the cross sections for the inelastic scattering and (n, α_1) reaction for the sake of transport calculations. The $(n, 2n)$ cross section itself, however, cannot exist in the presently evaluated data file. Thus, users should make it from the partial cross sections, if necessary. This may be a problem of the current ENDF/B format.

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Table 1 Status of presently evaluated quantities.

Quantities	Energy range(eV) [*]		Comments
	min	max	
a) Cross sections			
Total	1.0 -5	2.0+7	Figs. 1-4
Elastic scattering	1.0 -5	2.0+7	Figs. 5,6
Total inelastic scattering	8.78+6	2.0+7	Figs. 8,9
Inelastic scattering			
to the 7th level	8.78+6	2.0+7	
to the 11th level	1.53+7	2.0+7	
(n,2n)	1.75+6	2.0+7	Fig. 7
(n, γ)	1.0 -5	2.0+7	
(n,p)	1.43+7	2.0+7	Fig. 10
(n,d)	1.63+7	2.0+7	Fig. 11
(n,t)	1.16+7	2.0+7	Figs. 12-14
(n, α)	6.70+5	2.0+7	Figs. 15,16
b) Angular distributions of secondary neutrons			
Elastic scattering	1.0 -5	2.0+7	
Inelastic scattering	8.78+6	2.0+7	
(n,2n)	1.75+6	2.0+7	
c) Energy distributions of secondary neutrons			
(n,2n)	1.75+6	2.0+7	
d) Photon-production cross sections			
(n, γ)	1.0 -5	2.0+7	
(n,t ₁ γ)	1.21+7	2.0+7	
e) Angular distributions of photons			
(n, γ)	1.0 -5	2.0+7	
(n,t ₁ γ)	1.21+7	2.0+7	

* 2.0+7 denotes 2.0×10^7 .

Table 2 R-matrix parameters.

J^π	ℓ	S	$E_\lambda^{J^\pi}$ (MeV)	$\gamma_\lambda^{J^\pi}$ (MeV ^{1/2})	$R^{\infty J^\pi}$
1^-	0	1	-0.851	0.596	0.0
2^-	0	2	-0.547	0.588	0.0
2^+	1	1	0.728	0.100	0.0
	1	2	0.728	0.100	0.0
3^-	2	1	0.555	1.000	0.0
	2	2	0.555	0.300	0.0

$a = 4.5$ fm.

The R-matrix is given by

$$R^{J^\pi} = R^{\infty J^\pi} + \sum_{\lambda} \frac{\gamma_{\lambda}^{J^\pi} \gamma_{\lambda}^{J^\pi}}{E_{\lambda}^{J^\pi} - E}.$$

Table 3 Level scheme of ^9Be .

No.	Energy (MeV)	I^π
g.s.	0.0	$3/2^-$
1	1.68	$1/2^+$
2	2.429	$5/2^-$
3	2.800	$1/2^+$
4	3.06	$5/2^+$
5	4.7	$3/2^+$
6	6.8	$7/2^-$
7	7.9	$5/2^-$ *)
8	11.28	$9/2^-$ *)
9	11.81	$7/2^-$ *)
10	13.79	$5/2^-$ *)
11	14.396	$3/2^-$

*) The spin-parity values were tentatively assigned.

Table 4 Optical potential parameters used in the statistical model calculations.

1) Neutron	
$V_0 = 49.3 - 0.33 \times E, W_s = 5.75, V_{so} = 5.5$	(MeV)
$r_0 = r_s = r_{so} = 1.25$	(fm)
$a_0 = 0.65, a_s = 0.70, a_{so} = 0.65$	(fm)
2) Proton	
$V_0 = 59.5 - 0.36 \times E, W_s = 12.0 + 0.07 \times E, V_{so} = 4.9$	(MeV)
$r_0 = 1.24, r_s = 1.36, r_{so} = 1.20, r_c = 1.30$	(fm)
$a_0 = 0.63, a_s = 0.35, a_{so} = 0.31$	(fm)
3) Deuteron	
$V_0 = 78.0, W_I = 30.0, V_{so} = 6.4$	(MeV)
$r_0 = r_{so} = 1.05, r_I = 0.84, r_c = 1.30$	(fm)
$a_0 = 0.95, a_I = 0.85, a_{so} = 0.95$	(fm)
4) Triton	
$V_0 = 140.0, W_s = 7.5, V_{so} = 6.0$	(MeV)
$r_0 = r_{so} = 1.20, r_s = 2.69, r_c = 1.30$	(fm)
$a_0 = 0.45, a_s = 0.36, a_{so} = 0.70$	(fm)
5) α -particle	
$V_0 = 125.0, W_s = 15.0, V_{so} = 0.0$	(MeV)
$r_0 = 1.56, r_s = 1.56, r_c = 1.22$	(fm)
$a_0 = 0.50, a_s = 0.11$	(fm)

The potential form is the same as given in Ref. 38.

The symbol E is the energy in the center-of-mass system.

Table 5 Inelastic scattering cross sections
in the present evaluation.

Cross section	MT
1st level	6
Sum of 2nd, 3rd and 4th levels	7
5th level	8
6th level	9
Sum of 8th, 9th, 11th and continuum levels	16
7th level *)	51
10th level *)	52

*) These levels do not contribute to the (n,2n) reaction.

Table 6 Calculated (n,2n) cross sections.

E (eV)	X-Section (barns)	E (eV)	X-Section (barns)	E (eV)	X-Section (barns)	
1.86803+	6 0.0 + 0	1.86825+	6 8.98058-	7 1.86848+	6 1.85997-	6
1.86893+	6 3.81007-	6 1.86984+	6 8.02886-	6 1.87075+	6 1.26158-	5
1.87166+	6 1.75706-	5 1.87348+	6 2.85829-	5 1.87530+	6 4.10634-	5
1.87712+	6 5.50102-	5 1.87895+	6 7.05097-	5 1.88260+	6 1.05836-	4
1.88626+	6 1.47146-	4 1.88993+	6 1.94471-	4 1.89361+	6 2.47842-	4
1.89729+	6 3.07120-	4 1.90468+	6 4.43936-	4 1.91209+	6 6.04837-	4
1.91953+	6 7.90141-	4 1.92700+	6 9.99999-	4 1.96350+	6 1.50000-	3
2.00000+	6 2.00000-	3 2.02485+	6 2.96880-	3 2.05000+	6 4.00000-	3
2.10000+	6 6.00000-	3 2.14942+	6 7.90517-	3 2.20000+	6 1.00000-	2
2.30000+	6 1.40000-	2 2.40000+	6 1.80000-	2 2.50000+	6 2.20000-	2
2.60000+	6 2.60000-	2 2.62000+	6 2.70000-	2 2.66000+	6 9.09998-	2
2.67140+	6 1.09240-	1 2.70000+	6 1.55000-	1 2.70086+	6 1.56352-	1
2.70414+	6 1.61414-	1 2.70742+	6 1.66537-	1 2.71400+	6 1.77000-	1
2.73194+	6 2.04695-	1 2.75000+	6 2.34000-	1 2.77489+	6 2.72898-	1
2.80000+	6 3.14001-	1 2.82489+	6 3.23123-	1 2.85000+	6 3.29000-	1
2.88726+	6 3.42873-	1 2.92500+	6 3.52001-	1 3.00000+	6 3.74999-	1
3.10000+	6 3.91001-	1 3.11338+	6 3.93275-	1 3.20000+	6 4.08000-	1
3.40248+	6 4.41072-	1 3.42660+	6 4.45394-	1 3.45090+	6 4.49492-	1
3.50000+	6 4.56999-	1 3.54896+	6 4.63313-	1 3.59861+	6 4.68793-	1
3.70000+	6 4.76001-	1 3.84708+	6 4.93651-	1 4.00000+	6 5.05000-	1
4.05700+	6 5.08001-	1 4.17500+	6 5.12998-	1 4.32900+	6 5.21000-	1
4.47100+	6 5.27998-	1 4.50000+	6 5.28998-	1 5.00000+	6 5.53000-	1
5.22604+	6 5.56615-	1 5.36127+	6 5.58961-	1 5.50000+	6 5.60999-	1
5.74456+	6 5.65405-	1 6.00000+	6 5.68998-	1 6.50000+	6 5.70002-	1
7.00000+	6 5.71997-	1 7.50000+	6 5.73000-	1 7.56107+	6 5.73121-	1
7.66849+	6 5.73751-	1 7.77744+	6 5.74112-	1 8.00000+	6 5.74001-	1
8.50000+	6 5.70002-	1 9.00000+	6 5.66000-	1 9.50000+	6 5.62001-	1
1.00000+	7 5.57999-	1 1.10000+	7 5.47000-	1 1.16000+	7 5.40000-	1
1.20000+	7 5.35999-	1 1.21300+	7 5.34999-	1 1.25425+	7 5.30258-	1
1.30000+	7 5.25002-	1 1.31318+	7 5.23595-	1 1.37500+	7 5.16999-	1
1.40000+	7 5.13998-	1 1.41000+	7 5.13001-	1 1.42600+	7 5.11002-	1
1.45000+	7 5.07001-	1 1.50000+	7 4.99999-	1 1.55000+	7 4.92998-	1
1.60000+	7 4.85999-	1 1.60072+	7 4.85900-	1 1.60117+	7 4.85839-	1
1.62900+	7 4.82001-	1 1.66000+	7 4.77998-	1 1.68500+	7 4.74001-	1
1.70000+	7 4.71999-	1 1.73000+	7 4.67998-	1 1.80000+	7 4.58001-	1
1.90000+	7 4.43998-	1 2.00000+	7 4.29999-	1		

Table 7 Multiplicities of the γ -rays emitted
from the (n,γ) reaction.

Transition	Multiplicity
cap. \rightarrow g.s.	0.646
5.96 MeV \rightarrow g.s.	0.015
cap. \rightarrow 3.37 MeV	0.113
3.37 MeV \rightarrow g.s.	0.33
6.26 MeV \rightarrow 3.37 MeV	0.0015
6.18 MeV \rightarrow 3.37 MeV	0.0013
5.96 MeV \rightarrow 3.37 MeV	0.224
cap. \rightarrow 5.96 MeV	0.264
cap. \rightarrow 6.18 MeV	0.0024
cap. \rightarrow 6.26 MeV	0.0016
6.18 MeV \rightarrow 5.96 MeV	0.0005

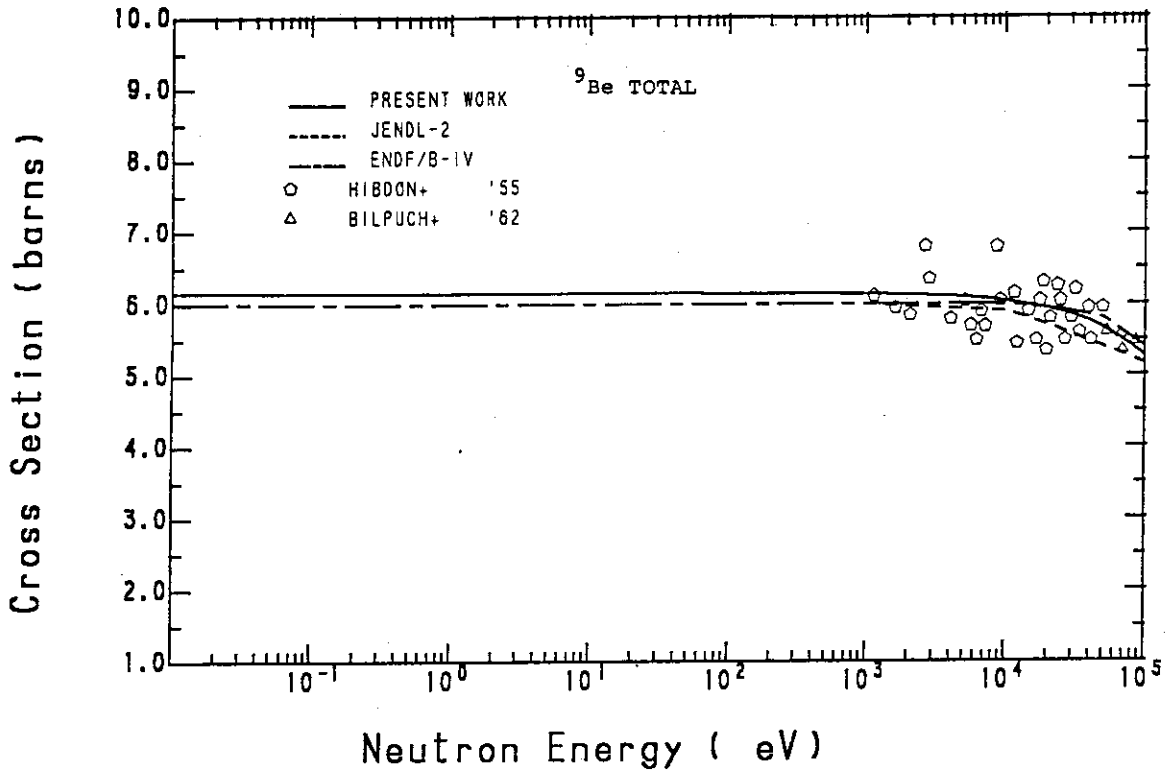


Fig. 1 Measured and evaluated total cross sections from 10^{-2} eV to 100 keV.

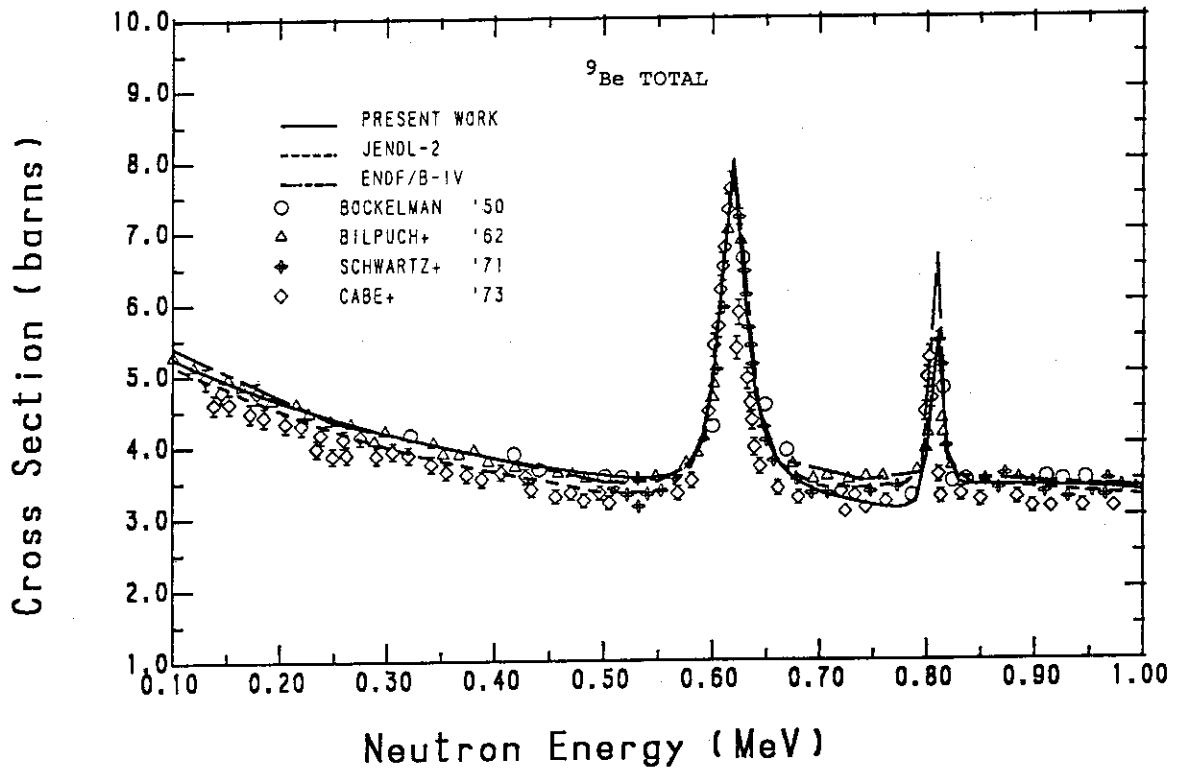


Fig. 2 Measured and evaluated total cross sections from 100 keV to 1 MeV.

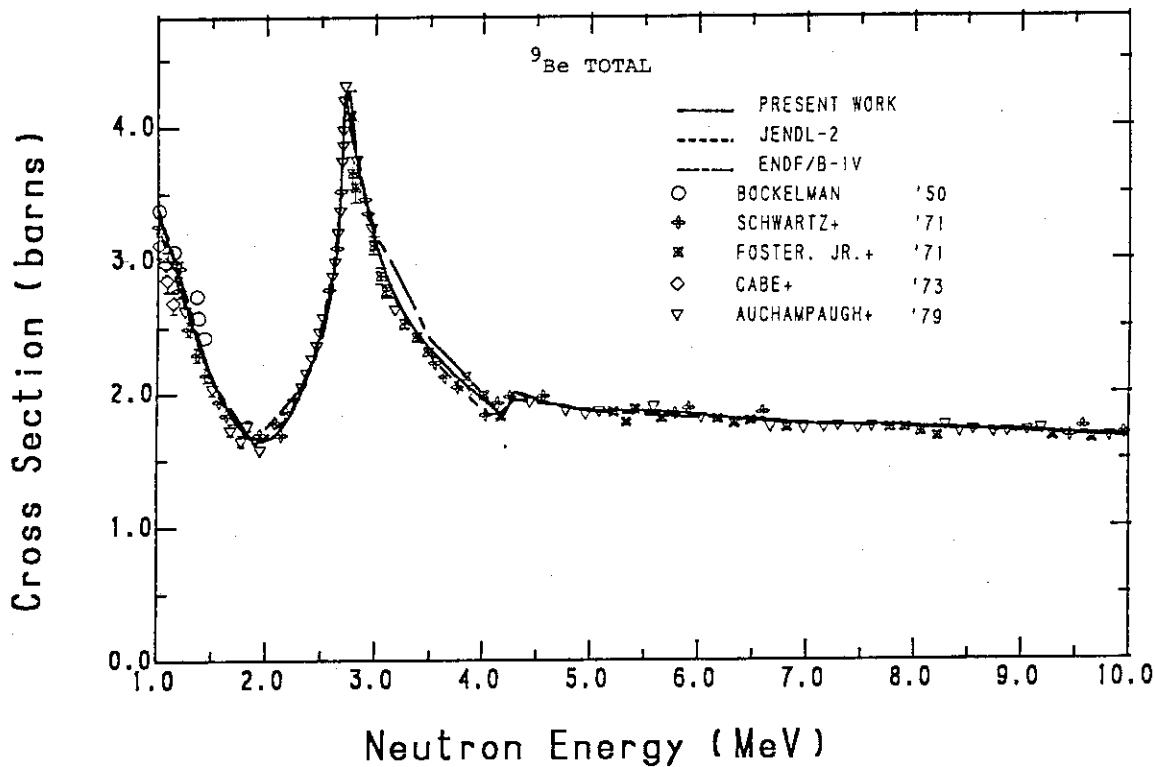


Fig. 3 Measured and evaluated total cross sections from 1 MeV to 10 MeV.

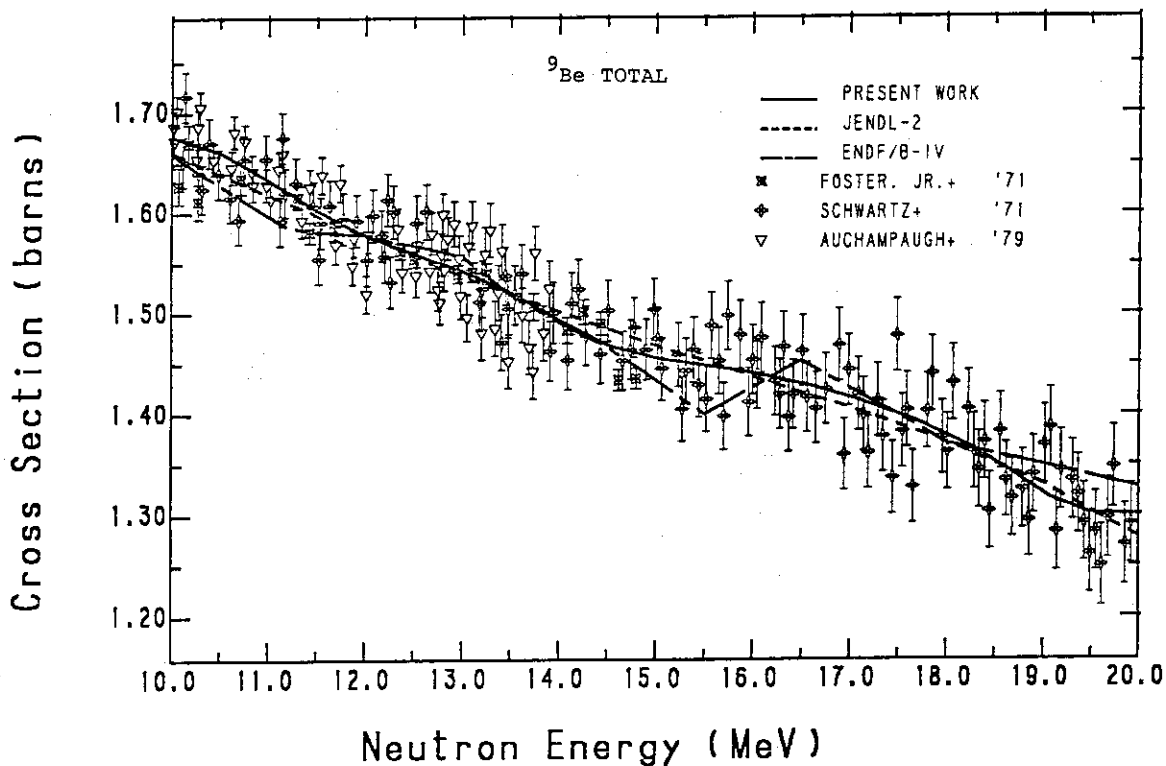


Fig. 4 Measured and evaluated total cross sections from 10 MeV to 20 MeV.

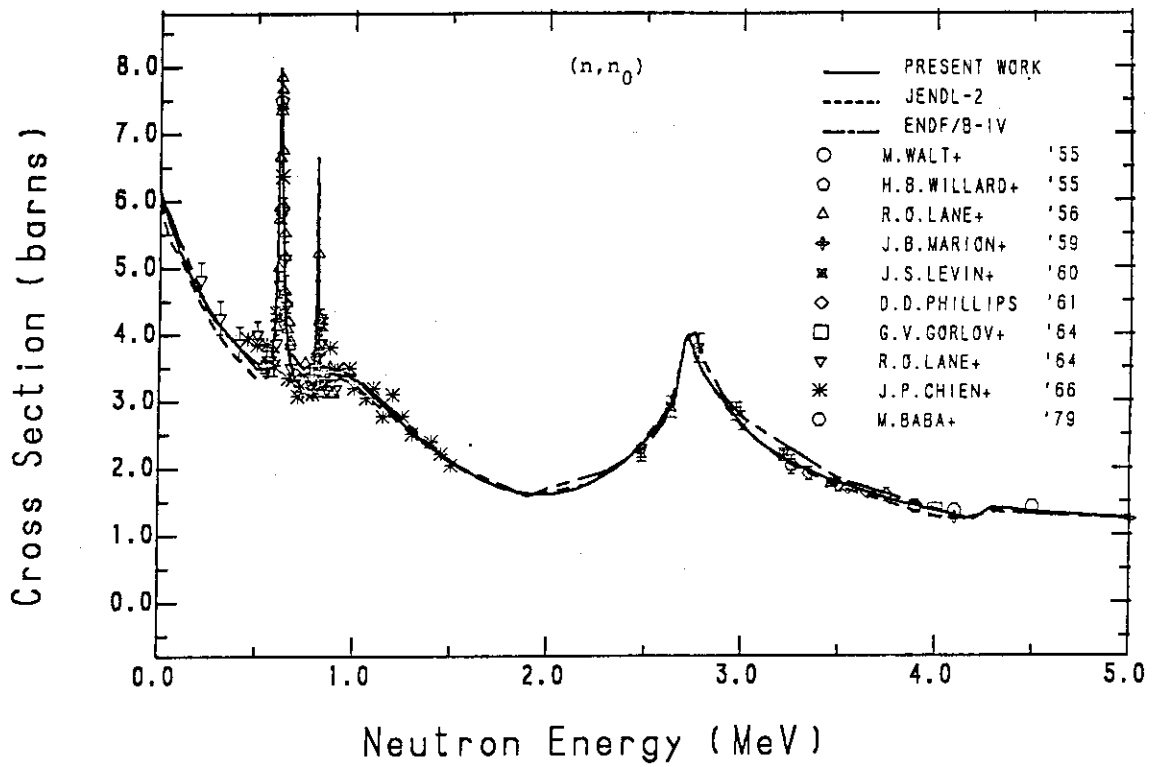


Fig. 5 Measured and evaluated elastic scattering cross sections below 5 MeV.

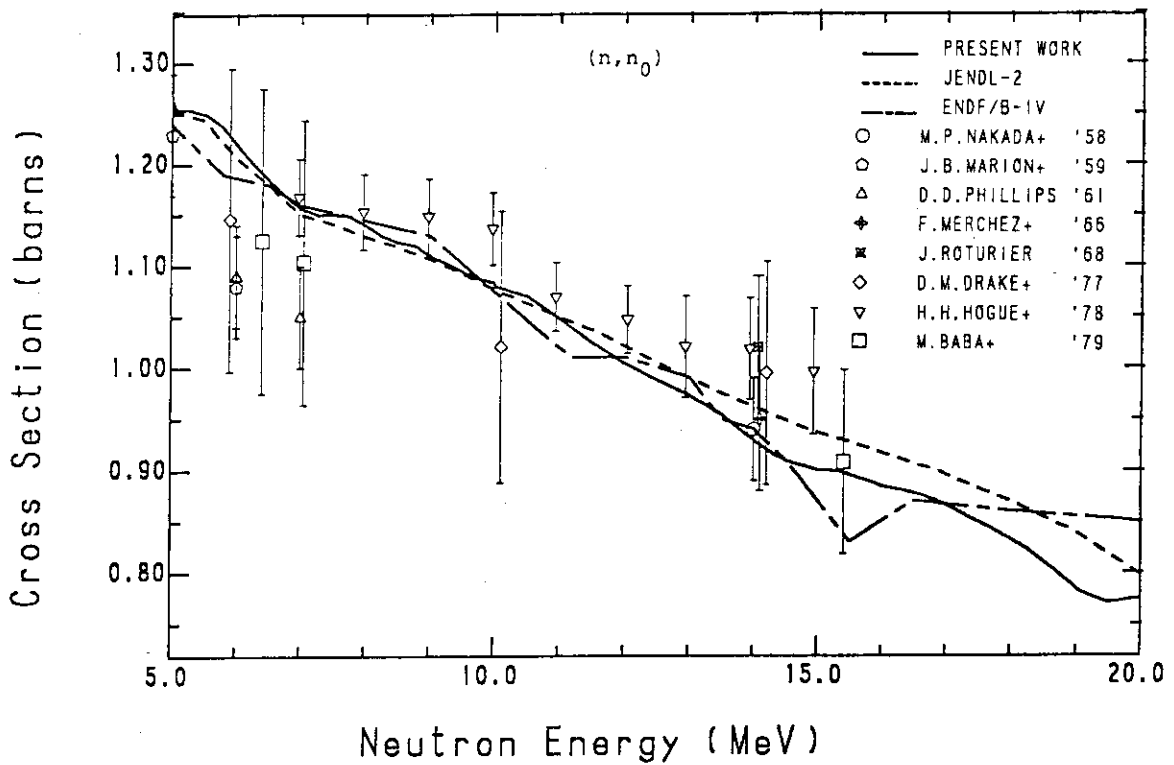


Fig. 6 Measured and evaluated elastic scattering cross sections above 5 MeV.

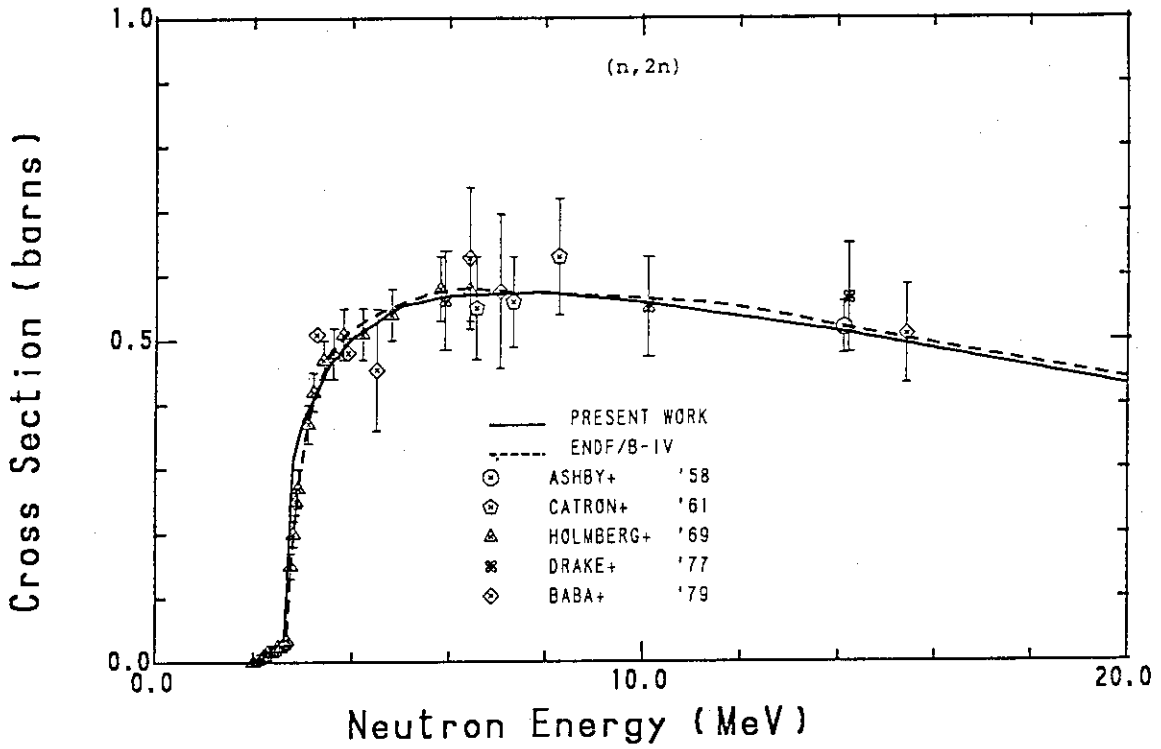


Fig. 7 Measured and calculated (n,2n) cross sections.

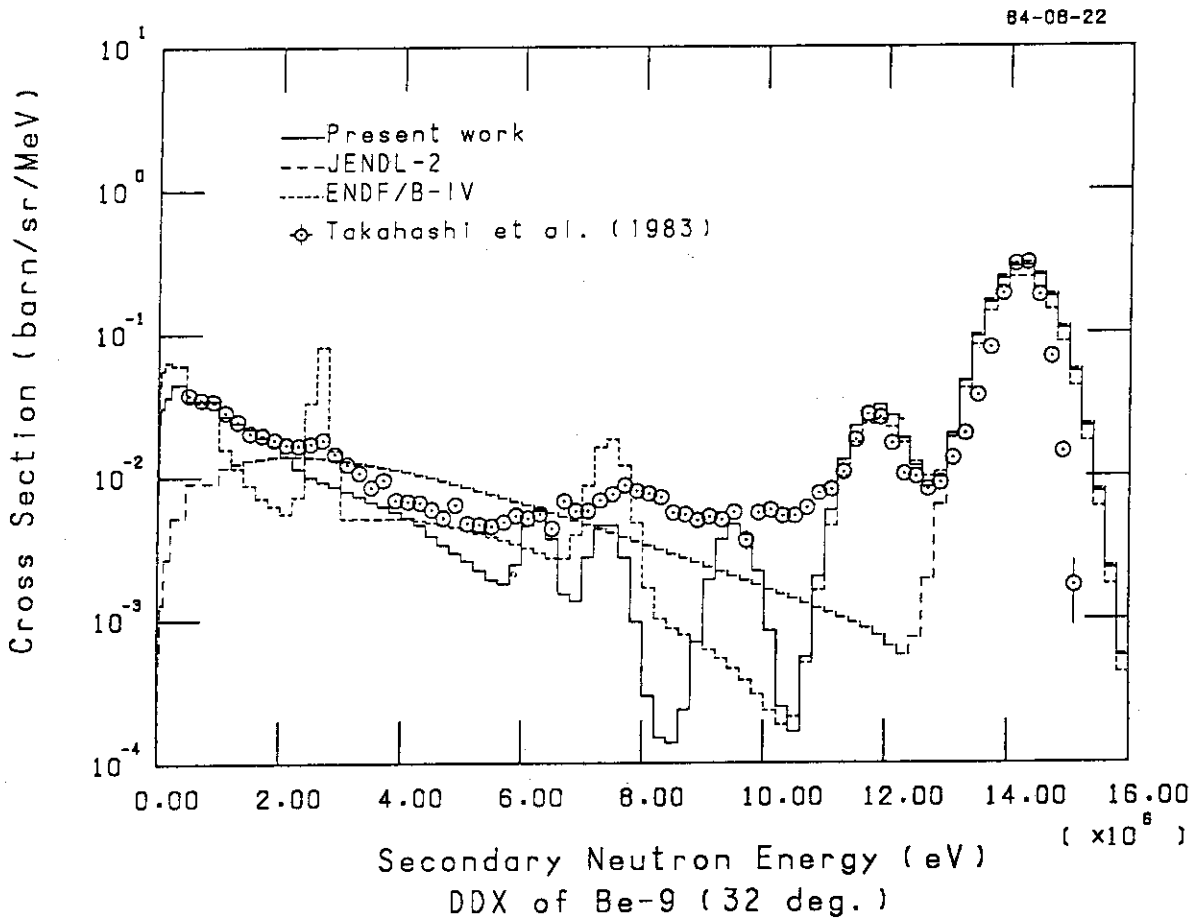


Fig. 8 Calculated and measured DDX data at 14 MeV. The measurement was performed at Osaka University¹⁴⁾.

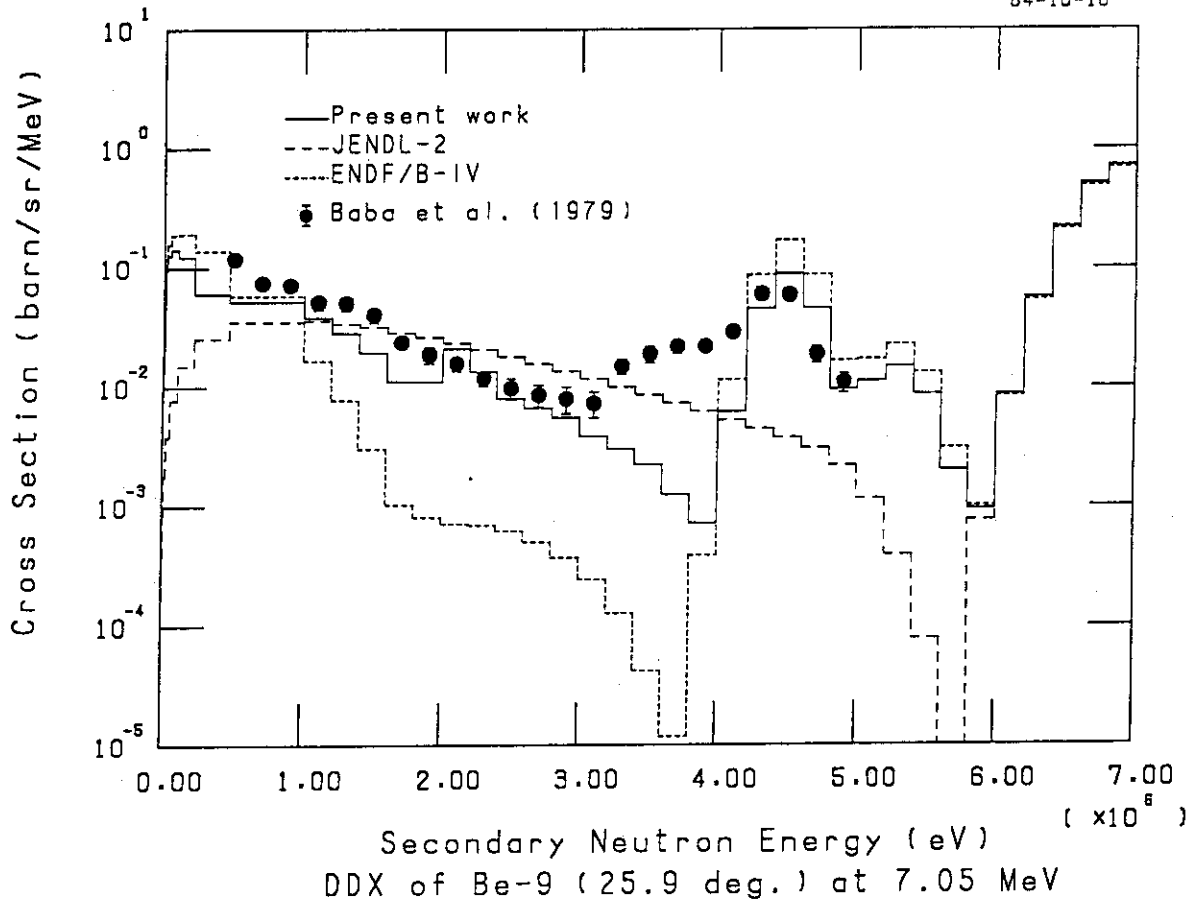


Fig. 9 Calculated and measured DDX data at 7 MeV. The measurement was performed at Tohoku University¹⁶⁾. The measured elastic scattering peak is not shown in this figure.

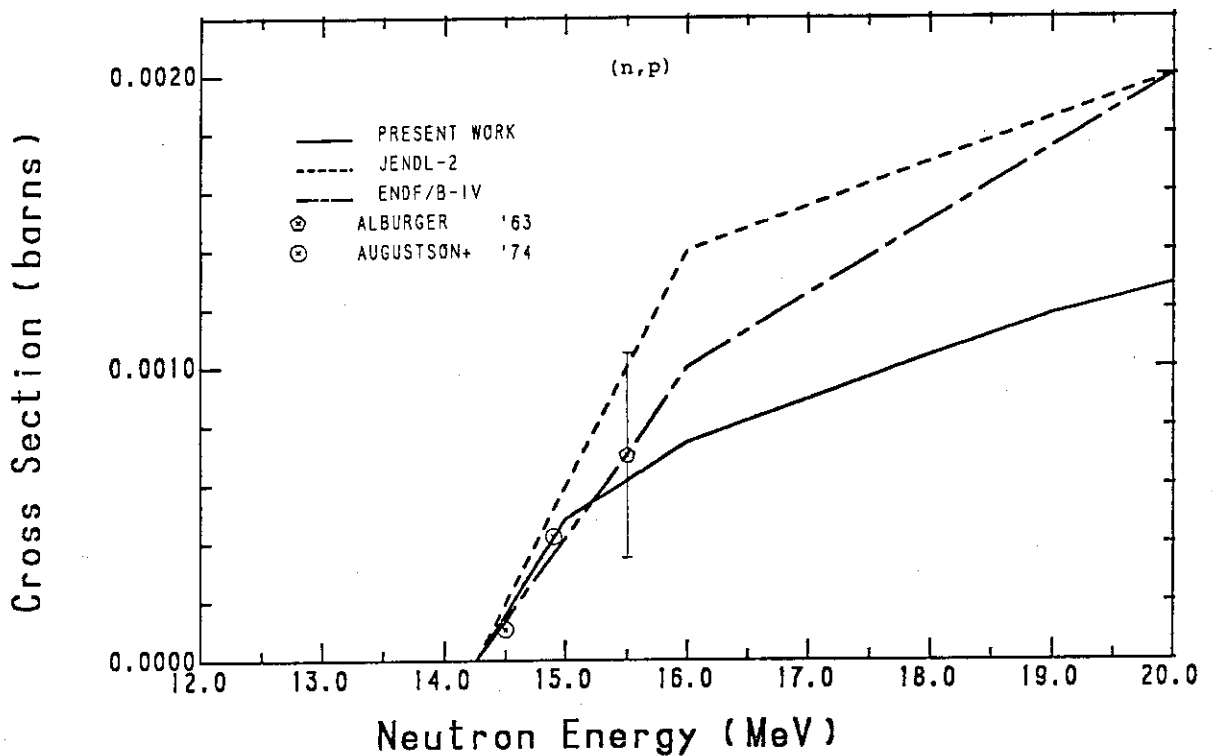


Fig. 10 Measured and evaluated (n,p) cross sections.

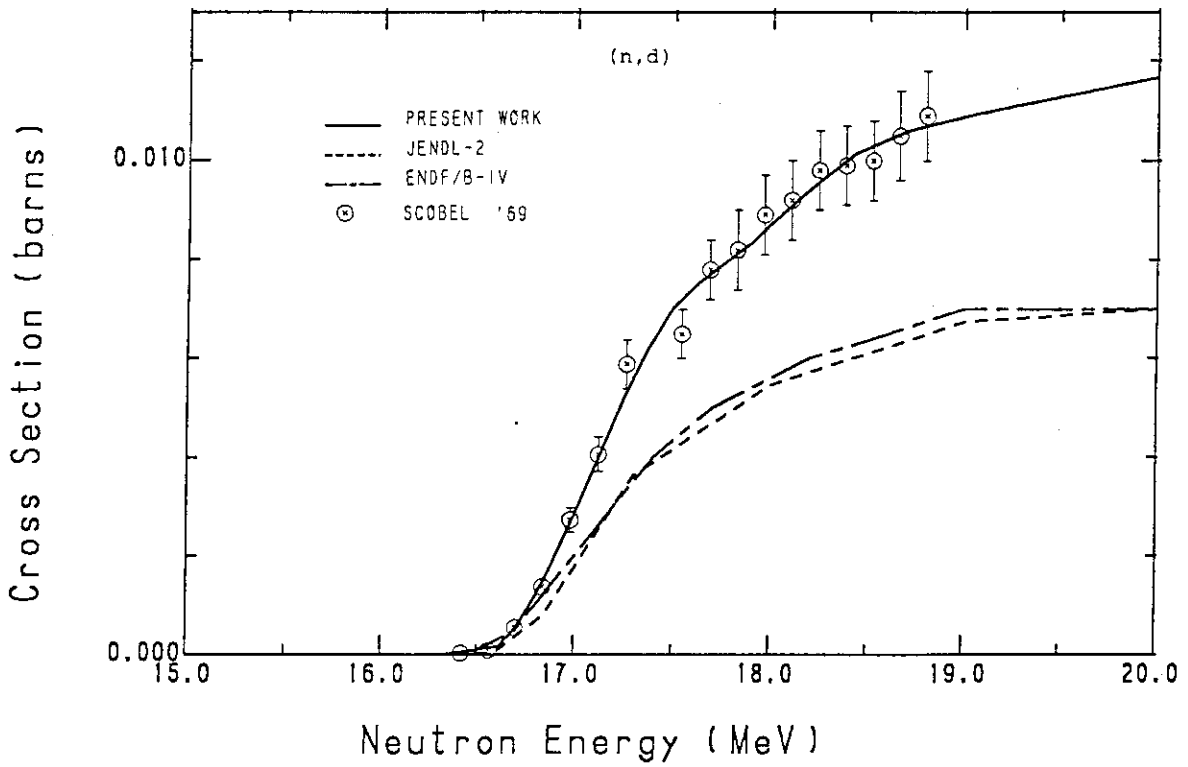


Fig. 11 Measured and evaluated (n,d) cross sections.

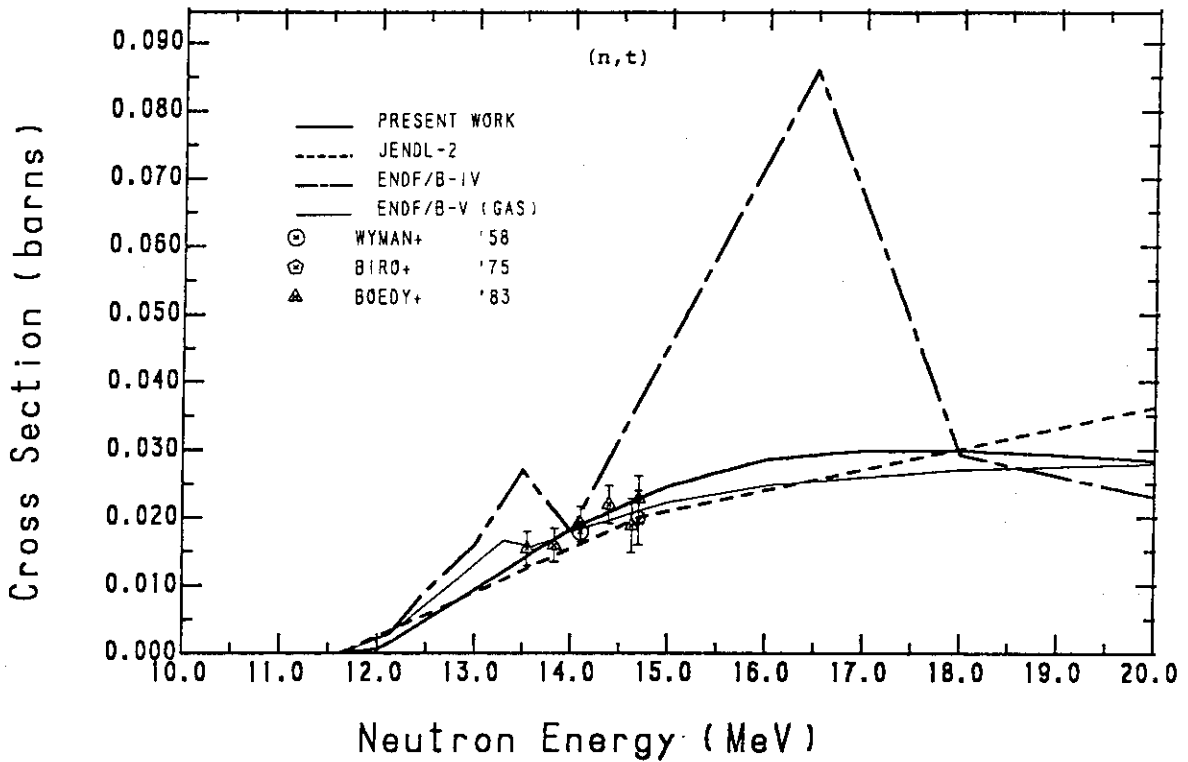


Fig. 12 Measured and evaluated total (n,t) cross sections.

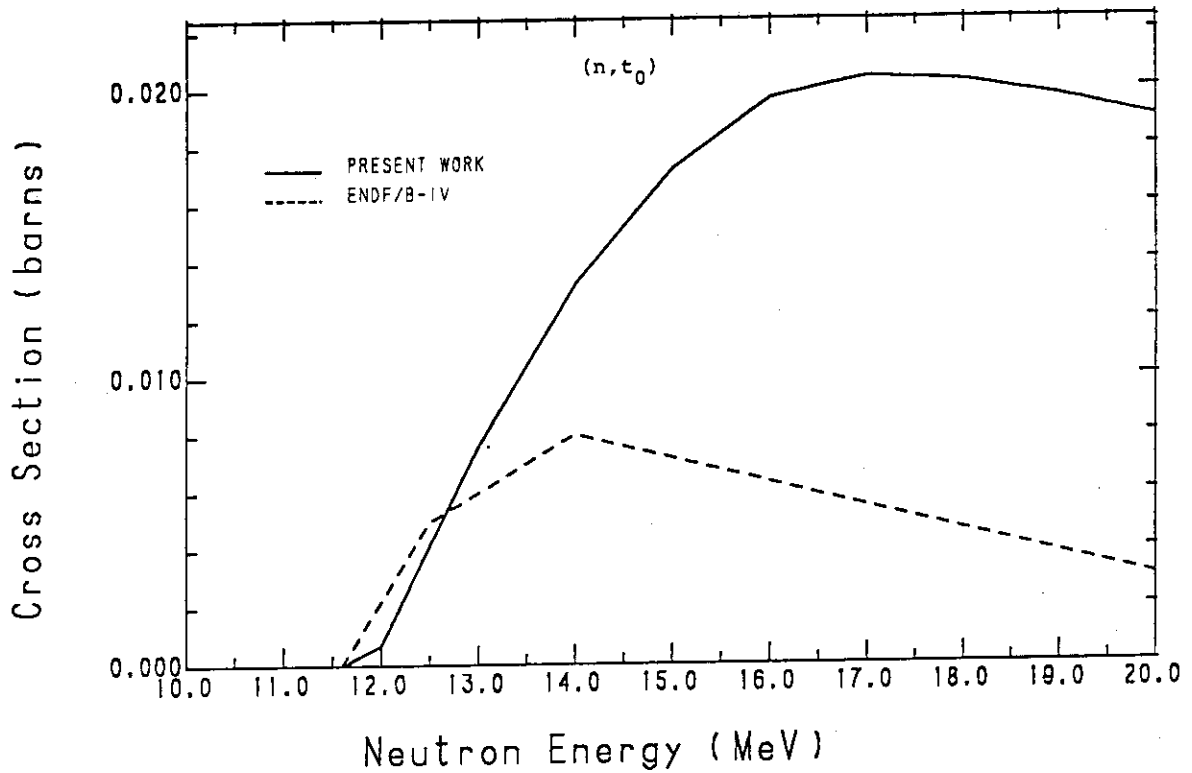


Fig. 13 Evaluated (n, t₀) cross sections.

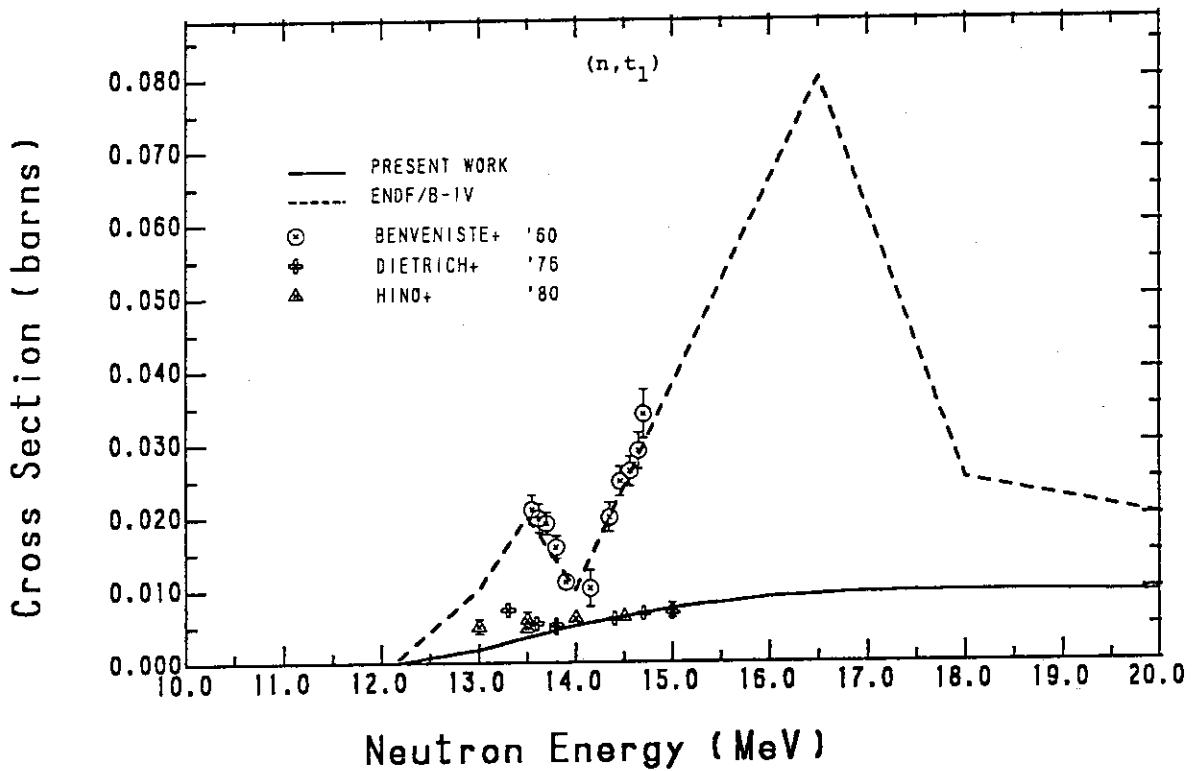


Fig. 14 Measured and evaluated (n, t₁) cross sections.

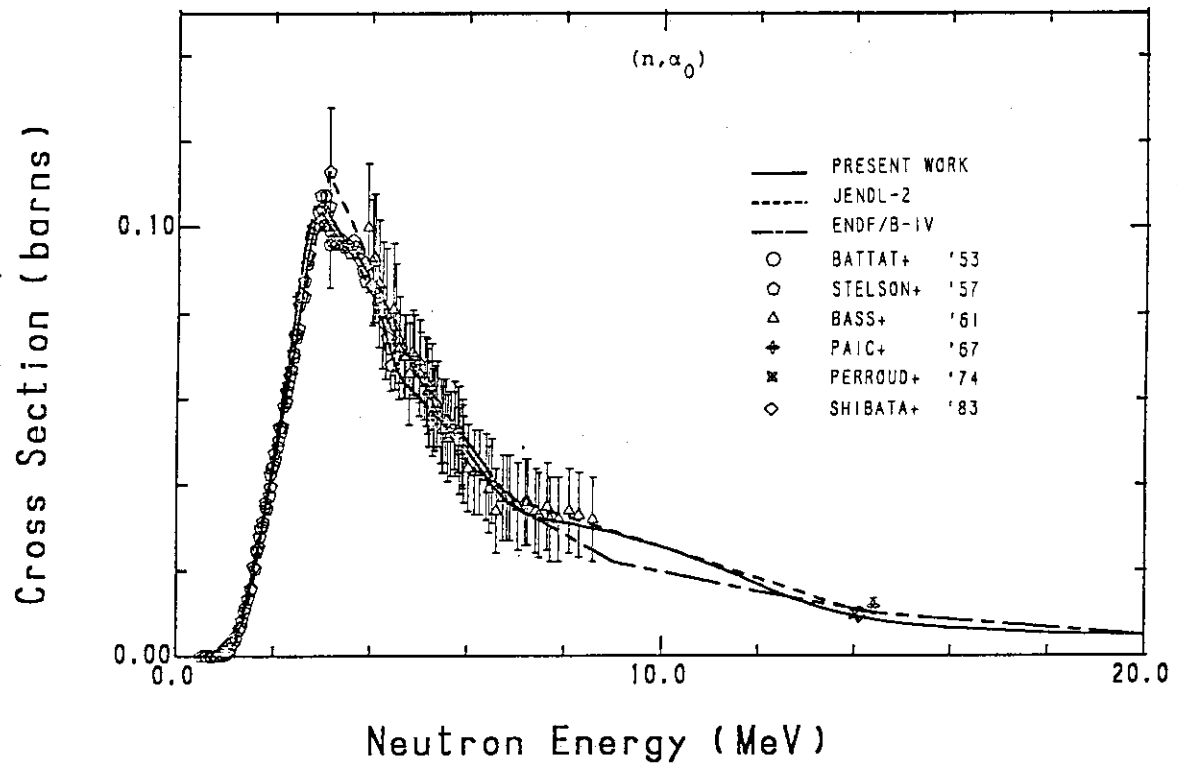


Fig. 15 Measured and evaluated (n, α_0) cross sections.

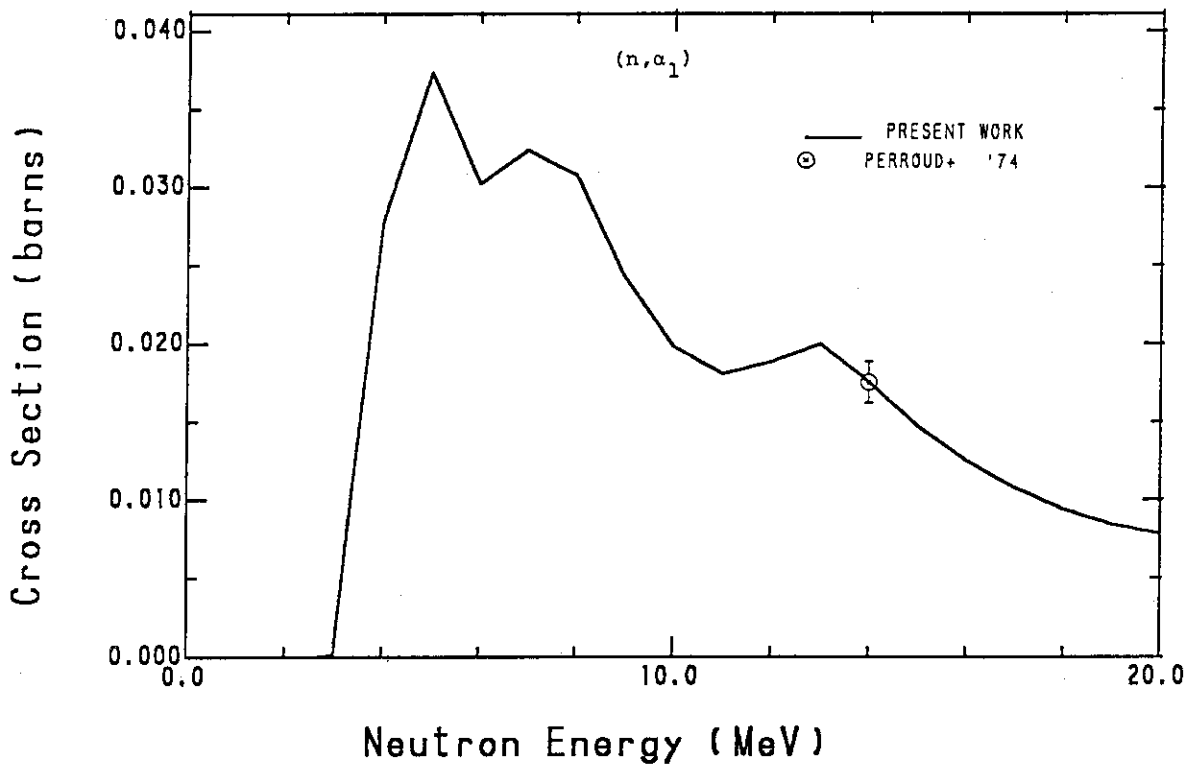


Fig. 16 Measured and evaluated (n, α_1) cross sections.

Appendix

List in the ENDF/B-V format

EVALUATED DATA OF BERYLLIUM-9				0	0
4.00900+ 3 8.93476+ 0	0	0	0	0 409 1451	1
0.0 + 0 0.0 + 0	0	0	0	0 409 1451	2
0.0 + 0 0.0 + 0	0	0	188	48 409 1451	3
4-BE- 9 JAERI	EVAL-AUG84	K.SHIBATA		409 1451	4
	DIST-AUG84			409 1451	5
HISTORY				409 1451	6
84-08	REEVALUATED FOR JENDL-3 BY K.SHIBATA.			409 1451	7
MF=1	GENERAL INFORMATION			409 1451	9
MT=451	DESCRIPTIVE DATA			409 1451	10
				409 1451	11
MF=2	RESONANCE PARAMETER			409 1451	12
MT=151	SCATTERING RADIUS ONLY.			409 1451	13
				409 1451	14
MF=3	CROSS SECTIONS			409 1451	15
MT=1	SIG-T			409 1451	16
	BELOW 1 EV, SUM OF SIG-EL AND SIG-CAP. BETWEEN 1 EV AND			409 1451	17
	830 KEV, THE CROSS SECTION WAS CALCULATED ON THE BASIS OF			409 1451	18
	THE R-MATRIX THEORY. THE R-MATRIX PARAMETERS WERE			409 1451	19
	OBTAINED SO AS TO GIVE THE BEST FIT TO THE EXPERIMENTAL			409 1451	20
	DATA /1/-/5/. ABOVE 830 KEV, BASED ON THE MEASUREMENTS			409 1451	21
	/4/,/6/,/7/.			409 1451	22
MT=2	SIG-EL			409 1451	23
	BELOW 1 EV, SIG-EL = 6.151 BARNS.			409 1451	24
	ABOVE 1 EV, THE CROSS SECTION WAS OBTAINED BY SUBTRACTING			409 1451	25
	THE REACTION CROSS SECTION FROM THE TOTAL CROSS SECTION.			409 1451	26
MT=4	TOTAL INELASTIC			409 1451	27
	SUM OF MT=51 AND 52.			409 1451	28
MT=6,	7, 8, 9, 16, 51, 52			409 1451	29
	THE SHAPE OF THE INELASTIC SCATTERING CROSS SECTION WAS			409 1451	30
	OBTAINED FROM THE STATISTICAL MODEL CALCULATION. THE			409 1451	31
	ABSOLUTE VALUE WAS DETERMINED SO THAT A SUM OF THE			409 1451	32
	INELASTIC SCATTERING AND (N,A1) REACTION CROSS SECTIONS			409 1451	33
	MIGHT BE EQUAL TO THE (N,2N) REACTION CROSS SECTION IN			409 1451	34
	JENDL-2. OPTICAL POTENTIAL PARAMETERS OF AGEE AND ROSEN			409 1451	35
	/8/ WERE USED.			409 1451	36
	V = 49.3 - 0.33E, WS = 5.75 , VSO = 5.5 (MEV)			409 1451	37
	R = 1.25 , RS = 1.25 , RSO = 1.25 (FM)			409 1451	38
	A = 0.65 , B = 0.70 , ASO = 0.65 (FM)			409 1451	39
LEVEL SCHEME				409 1451	40
	NO	ENERGY(MEV)	SPIN-PARITY	409 1451	41
	G.S.	0.0	3/2-	409 1451	42
	1	1.68	1/2+	409 1451	43
	2	2.429	5/2-	409 1451	44
	3	2.800	1/2+	409 1451	45
	4	3.06	5/2+	409 1451	46
	5	4.7	3/2+	409 1451	47
	6	6.8	7/2-	409 1451	48
	7	7.9	5/2- *)	409 1451	49
	8	11.28	9/2- *)	409 1451	50
	9	11.81	7/2- *)	409 1451	51
	10	13.79	5/2- *)	409 1451	52
	11	14.396	3/2- *)	409 1451	53
	*) SPIN-PARITY VALUE WAS TENTATIVELY ASSIGNED.			409 1451	54
	ALL THE EXCITED LEVELS EXCEPT 7.9 AND 13.79 MEV ONES			409 1451	55
	DECAY BY EMITTING NEUTRONS, CONTRIBUTING TO THE (N,2N)			409 1451	56
	CROSS SECTION. WITHIN THE FRAMEWORK OF THE CURRENT			409 1451	57
	ENDF/B FORMAT, DIFFERENT MT NUMBERS WERE ASSIGNED TO			409 1451	58
	THESE LEVELS.			409 1451	59
	MT NO.		LEVEL	409 1451	60
	6		1ST	409 1451	61

	7	2ND+3RD+4TH	409 1451	62
	8	5TH	409 1451	63
	9	6TH	409 1451	64
	16	8TH+9TH+11TH+CONTINUUM	409 1451	65
	51	7TH	409 1451	66
	52	10TH	409 1451	67
		*****	409 1451	68
		* THE (N,2N) CROSS SECTIONS IS GIVEN AS A SUM OF MT=6, 7, *	409 1451	69
		* 8, 9, 16, AND 24. *	409 1451	70
		*****	409 1451	71
MT=24	(N,2N ALPHA)		409 1451	72
	THIS IS THE CROSS SECTION FOR THE (N,A1) REACTION. THE		409 1451	73
	1ST EXCITED LEVEL OF HE-6 DECAYS BY EMITTING 2 NEUTRONS.		409 1451	74
	THE (N,A1) CROSS SECTION WAS CALCULATED WITH THE		409 1451	75
	STATISTICAL MODEL.		409 1451	76
	ALPHA POTENTIAL PARAMETERS ARE THE FOLLOWING /9/:		409 1451	77
	V = 125.0 , WS = 15.0 , VSO = 0.0 (MEV)		409 1451	78
	R = 1.56 , RS = 1.56 , RC = 1.22 (FM)		409 1451	79
	A = 0.50 , B = 0.11 (FM)		409 1451	80
	THE CROSS SECTION WAS NORMALIZED TO THE DATA OF		409 1451	81
	PERRAUD AND SELLEM /10/ AT 14 MEV.		409 1451	82
MT=46, 47, 48, 49	SIG-IN		409 1451	83
	SAME AS MT=6, 7, 8, 9, RESPECTIVELY.		409 1451	84
MT=102	CAPTURE		409 1451	85
	THERMAL CROSS SECTION OF 7.6E-3 BARNS WAS OBTAINED FROM		409 1451	86
	THE RECOMMENDATION BY MUGHABGHAB ET AL./11/		409 1451	87
	1/V CURVE WAS ASSUMED OVER THE WHOLE ENERGY RANGE.		409 1451	88
MT=103	(N,P)		409 1451	89
	CALCULATED WITH THE STATISTICAL MODEL.		409 1451	90
	PROTON POTENTIAL PARAMETERS ARE THE FOLLOWING /12/:		409 1451	91
	V = 59.5 - 0.36E, WS = 12.0 + 0.07E, VSO = 4.9 (MEV)		409 1451	92
	R = 1.24 , RS = 1.36 , RSO = 1.2 (FM)		409 1451	93
	RC = 1.3 (FM)		409 1451	94
	A = 0.63 , B = 0.35 , ASO = 0.31 (FM)		409 1451	95
	THE CROSS SECTION WAS NORMALIZED TO THE EXPERIMENTAL DATA		409 1451	96
	OF AUGUSTSON AND MENLOVE /13/, WHO MEASURED DELAYED		409 1451	97
	NEUTRONS, BY TAKING ACCOUNT OF THE BRANCHING RATIO		409 1451	98
	OF 49.5% FOR LI-9 => BE-9* => 2A + N.		409 1451	99
MT=104	(N,D)		409 1451	100
	BASED ON THE EXPERIMENTAL DATA OF SCOBEL /14/.		409 1451	101
MT=105	(N,T)		409 1451	102
	SUM OF MT=740 AND 741.		409 1451	103
MT=107	(N,A0)		409 1451	104
	BASED ON THE EXPERIMENTAL DATA /9/, /10/, /15/-/18/.		409 1451	105
MT=251	MU-BAR		409 1451	106
	CALCULATED FROM THE DATA IN FILE4.		409 1451	107
MT=740, 741	(N,T0), (N,T1)		409 1451	108
	CALCULATED WITH THE STATISTICAL MODEL.		409 1451	109
	TRITON POTENTIAL PARAMETERS ARE THE FOLLOWING /19/:		409 1451	110
	V = 140.0 , WS = 7.5 , VSO = 6.0 (MEV)		409 1451	111
	R = 1.20 , RS = 2.69 , RSO = 1.20 , RC = 1.30 (FM)		409 1451	112
	A = 0.45 , B = 0.36 , ASO = 0.7 (FM)		409 1451	113
	NORMALIZATION WAS TAKEN SO THAT THE TOTAL (N,T) CROSS		409 1451	114
	SECTION MIGHT BE CONSISTENT WITH THE EXPERIMENTAL DATA		409 1451	115
	OF BOEDY ET AL./20/		409 1451	116
			409 1451	117
MF=4	ANGULAR DISTRIBUTIONS		409 1451	118
MT=2			409 1451	119
	1.0E-5 EV TO 50 KEV	ISOTROPIC IN CM.	409 1451	120
	50 KEV TO 14 MEV	BASED ON THE EXPERIMENTAL DATA	409 1451	121
		/21/-/26/.	409 1451	122
	14 MEV TO 20 MEV	OPTICAL-MODEL CALCULATIONS USING	409 1451	123

	THE POTENTIAL PARAMETERS OF	409 1451 124
	AGEE AND ROSEN /8/.	409 1451 125
MT=6, 8, 9, 51, 52	STATISTICAL MODEL CALCULATION	409 1451 126
MT=7	LEGENDRE COEFFICIENTS WERE DERIVED FROM THE EXPERIMENTAL	409 1451 127
	DATA /26/, /27/.	409 1451 128
MT=16	ISOTROPIC IN THE LABORATORY SYSTEM.	409 1451 129
MT=24, 46, 47, 48, 49	CALCULATED BY ASSUMING THE TWO-STEP SEQUENTIAL REACTION	409 1451 130
	/28/.	409 1451 131
MF=5	ENERGY DISTRIBUTION	409 1451 132
MT=16	EVAPORATION SPECTRUM	409 1451 133
MT=24, 46, 47, 48, 49	CALCULATED BY ASSUMING THE TWO-STEP SEQUENTIAL REACTION	409 1451 134
	/28/.	409 1451 135
MF=12	PHOTON-PRODUCTION MULTIPLICITIES	409 1451 136
MT=102	BASED ON THE MEASUREMENT OF JURNEY /29/.	409 1451 137
MT=741	M=1.0	409 1451 138
MF=14	PHOTON ANGULAR DISTRIBUTIONS	409 1451 139
MT=102	ASSUMED TO BE ISOTROPIC.	409 1451 140
MT=741	ISOTROPIC	409 1451 141
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				409 1 0	240
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				0 409 2151	243
				0 409 2151	244
				0 409 2151	245
				409 2 0	246
				409 0 0	247
4.00900+	3	8.93476+	0	0	0
4.00900+	3	1.00000+	0	0	0
1.00000-	5	2.00000+	7	0	0
1.50000+	0	6.90000-	1	0	0

4.00900+	3	8.93476+	0	0	99	0	0	409	3	1	248				
0.0	+ 0	0.0	+ 0	0	0	0	1	215	409	3	1	249			
	215		2	0	0	0	0	0	409	3	1	250			
1.00000-	5	6.53327+	0	1.00000-	4	6.27188+	0	1.00000-	3	6.18923+	0	409	3	1	251
1.00000-	2	6.16309+	0	2.53000-	2	6.15860+	0	1.00000-	1	6.15482+	0	409	3	1	252
1.00000+	0	6.15221+	0	1.00000+	1	6.15110+	0	1.00000+	2	6.15020+	0	409	3	1	253
1.00000+	3	6.14030+	0	2.00000+	3	6.12940+	0	3.00000+	3	6.11860+	0	409	3	1	254
4.00000+	3	6.10780+	0	5.00000+	3	6.09700+	0	6.00000+	3	6.08640+	0	409	3	1	255
7.00000+	3	6.07570+	0	8.00000+	3	6.06510+	0	9.00000+	3	6.05460+	0	409	3	1	256
1.00000+	4	6.04410+	0	2.00000+	4	5.94150+	0	3.00000+	4	5.84340+	0	409	3	1	257
4.00000+	4	5.74940+	0	5.00000+	4	5.65920+	0	6.00000+	4	5.57250+	0	409	3	1	258
7.00000+	4	5.48930+	0	8.00000+	4	5.40920+	0	9.00000+	4	5.33220+	0	409	3	1	259
1.00000+	5	5.25800+	0	1.10000+	5	5.18640+	0	1.20000+	5	5.11730+	0	409	3	1	260
1.30000+	5	5.05070+	0	1.40000+	5	4.98630+	0	1.50000+	5	4.92410+	0	409	3	1	261
1.60000+	5	4.86390+	0	1.70000+	5	4.80560+	0	1.80000+	5	4.74920+	0	409	3	1	262
1.90000+	5	4.69450+	0	2.00000+	5	4.64160+	0	2.10000+	5	4.59020+	0	409	3	1	263
2.20000+	5	4.54030+	0	2.30000+	5	4.49200+	0	2.40000+	5	4.44500+	0	409	3	1	264
2.50000+	5	4.39930+	0	2.60000+	5	4.35490+	0	2.70000+	5	4.31180+	0	409	3	1	265
2.80000+	5	4.26980+	0	2.90000+	5	4.22900+	0	3.00000+	5	4.18920+	0	409	3	1	266
3.10000+	5	4.15050+	0	3.20000+	5	4.11290+	0	3.30000+	5	4.07620+	0	409	3	1	267
3.40000+	5	4.04040+	0	3.50000+	5	4.00560+	0	3.60000+	5	3.97170+	0	409	3	1	268
3.70000+	5	3.93860+	0	3.80000+	5	3.90640+	0	3.90000+	5	3.87500+	0	409	3	1	269
4.00000+	5	3.84450+	0	4.10000+	5	3.81470+	0	4.20000+	5	3.78590+	0	409	3	1	270
4.30000+	5	3.75780+	0	4.40000+	5	3.73070+	0	4.50000+	5	3.70450+	0	409	3	1	271
4.60000+	5	3.67920+	0	4.70000+	5	3.65510+	0	4.80000+	5	3.63230+	0	409	3	1	272
4.90000+	5	3.61090+	0	5.00000+	5	3.59140+	0	5.10000+	5	3.57440+	0	409	3	1	273
5.20000+	5	3.56050+	0	5.30000+	5	3.55120+	0	5.40000+	5	3.54860+	0	409	3	1	274
5.50000+	5	3.55750+	0	5.60000+	5	3.58540+	0	5.70000+	5	3.64850+	0	409	3	1	275
5.80000+	5	3.78340+	0	5.90000+	5	4.08300+	0	6.00000+	5	4.80870+	0	409	3	1	276
6.10000+	5	6.52140+	0	6.20000+	5	7.80760+	0	6.30000+	5	6.04950+	0	409	3	1	277
6.40000+	5	4.71110+	0	6.50000+	5	4.09400+	0	6.60000+	5	3.78330+	0	409	3	1	278
6.70000+	5	3.60430+	0	6.80000+	5	3.48870+	0	6.90000+	5	3.40710+	0	409	3	1	279
7.00000+	5	3.34530+	0	7.10000+	5	3.29570+	0	7.20000+	5	3.25420+	0	409	3	1	280
7.30000+	5	3.21820+	0	7.40000+	5	3.18640+	0	7.50000+	5	3.15780+	0	409	3	1	281
7.60000+	5	3.13350+	0	7.70000+	5	3.11690+	0	7.80000+	5	3.12150+	0	409	3	1	282
7.90000+	5	3.21180+	0	8.00000+	5	3.84850+	0	8.10000+	5	5.42080+	0	409	3	1	283
8.20000+	5	3.89750+	0	8.30000+	5	3.47847+	0	8.35624+	5	3.45070+	0	409	3	1	284
8.42380+	5	3.43745+	0	8.49136+	5	3.43535+	0	8.55892+	5	3.43545+	0	409	3	1	285
8.71938+	5	3.43110+	0	8.87983+	5	3.42621+	0	9.04029+	5	3.42032+	0	409	3	1	286
9.20075+	5	3.41295+	0	9.39709+	5	3.40451+	0	9.59344+	5	3.39428+	0	409	3	1	287
9.78979+	5	3.37450+	0	9.98614+	5	3.33742+	0	1.01635+	6	3.32247+	0	409	3	1	288
1.11769+	6	3.04553+	0	1.21903+	6	2.76887+	0	1.32037+	6	2.50754+	0	409	3	1	289
1.42171+	6	2.27662+	0	1.55683+	6	2.01884+	0	1.69195+	6	1.81777+	0	409	3	1	290
1.82707+	6	1.68898+	0	1.96220+	6	1.64808+	0	2.05678+	6	1.67793+	0	409	3	1	291
2.15137+	6	1.75643+	0	2.24595+	6	1.88432+	0	2.34054+	6	2.06229+	0	409	3	1	292
2.41485+	6	2.24233+	0	2.48917+	6	2.46684+	0	2.56349+	6	2.74148+	0	409	3	1	293
2.63780+	6	3.07190+	0	2.64794+	6	3.16613+	0	2.65807+	6	3.33161+	0	409	3	1	294
2.67834+	6	3.76224+	0	2.69861+	6	4.13560+	0	2.70874+	6	4.22951+	0	409	3	1	295
2.71887+	6	4.22354+	0	2.77292+	6	3.92687+	0	2.82697+	6	3.70774+	0	409	3	1	296
2.88102+	6	3.52584+	0	2.93507+	6	3.34086+	0	2.98912+	6	3.15600+	0	409	3	1	297
3.04317+	6	3.00007+	0	3.09721+	6	2.87119+	0	3.15126+	6	2.76746+	0	409	3	1	298
3.23233+	6	2.63904+	0	3.31341+	6	2.52863+	0	3.39448+	6	2.43558+	0	409	3	1	299
3.47555+	6	2.35925+	0	3.55662+	6	2.28880+	0	3.63770+	6	2.21697+	0	409	3	1	300
3.71877+	6	2.14841+	0	3.79984+	6	2.08778+	0	3.89612+	6	2.02270+	0	409	3	1	301
3.99239+	6	1.95896+	0	4.08866+	6	1.89742+	0	4.18494+	6	1.83895+	0	409	3	1	302
4.19845+	6	1.84039+	0	4.21196+	6	1.85598+	0	4.22547+	6	1.87882+	0	409	3	1	303
4.23899+	6	1.90199+	0	4.25419+	6	1.93151+	0	4.26939+	6	1.96567+	0	409	3	1	304
4.28459+	6	1.99389+	0	4.29979+	6	2.00554+	0	4.38086+	6	1.99273+	0	409	3	1	305
4.46194+	6	1.96522+	0	4.54301+	6	1.93687+	0	4.62408+	6	1.92156+	0	409	3	1	306
4.71529+	6	1.91060+	0	4.80650+	6	1.89349+	0	4.89770+	6	1.87979+	0	409	3	1	307
4.98891+	6	1.87908+	0	5.00000+	6	1.87700+	0	5.05422+	6	1.86894+	0	409	3	1	308
5.29068+	6	1.86874+	0	5.52714+	6	1.86511+	0	5.76360+	6	1.85555+	0	409	3	1	309

6.00006+	6	1.83756+	0	6.25342+	6	1.81459+	0	6.50677+	6	1.79476+	0	409	3	1	310
6.76012+	6	1.77773+	0	7.01347+	6	1.76311+	0	7.25838+	6	1.75603+	0	409	3	1	311
7.50329+	6	1.75585+	0	7.74819+	6	1.75495+	0	7.99310+	6	1.74574+	0	409	3	1	312
8.24645+	6	1.73234+	0	8.49980+	6	1.72361+	0	8.75316+	6	1.71743+	0	409	3	1	313
9.00651+	6	1.71165+	0	9.25142+	6	1.70381+	0	9.49632+	6	1.69423+	0	409	3	1	314
9.74123+	6	1.68552+	0	9.98614+	6	1.68032+	0	1.00240+	7	1.67616+	0	409	3	1	315
1.05138+	7	1.66064+	0	1.10036+	7	1.63371+	0	1.14934+	7	1.60368+	0	409	3	1	316
1.19832+	7	1.57885+	0	1.24899+	7	1.56031+	0	1.29966+	7	1.54239+	0	409	3	1	317
1.35034+	7	1.52131+	0	1.40100+	7	1.49324+	0	1.44999+	7	1.46890+	0	409	3	1	318
1.49897+	7	1.45573+	0	1.54795+	7	1.44833+	0	1.59693+	7	1.44129+	0	409	3	1	319
1.65436+	7	1.42921+	0	1.71178+	7	1.41305+	0	1.76921+	7	1.39244+	0	409	3	1	320
1.82664+	7	1.36702+	0	1.86717+	7	1.34259+	0	1.90771+	7	1.31684+	0	409	3	1	321
1.94824+	7	1.30185+	0	2.00000+	7	1.30000+	0					409	3	1	322
												409	3	0	323
4.00900+	3	8.93476+	0	0	0	0	0	0	0	0	0	409	3	2	324
0.0	+ 0	0.0	+ 0	0	0	0	0	1	467	409	3	2	325		
	467		2	0	0	0	0	0	0	0	0	409	3	2	326
1.00000-	5	6.15100+	0	5.50000-	5	6.15100+	0	1.00000-	4	6.15100+	0	409	3	2	327
1.00000-	3	6.15100+	0	1.00000-	2	6.15100+	0	2.53000-	2	6.15100+	0	409	3	2	328
1.00000-	1	6.15100+	0	1.00000+	0	6.15100+	0	1.00000+	1	6.15072+	0	409	3	2	329
1.00000+	2	6.15008+	0	1.00000+	3	6.14026+	0	2.00000+	3	6.12937+	0	409	3	2	330
3.00000+	3	6.11858+	0	4.00000+	3	6.10778+	0	5.00000+	3	6.09698+	0	409	3	2	331
6.00000+	3	6.08638+	0	7.00000+	3	6.07569+	0	8.00000+	3	6.06509+	0	409	3	2	332
9.00000+	3	6.05459+	0	1.00000+	4	6.04409+	0	2.00000+	4	5.94149+	0	409	3	2	333
3.00000+	4	5.84339+	0	4.00000+	4	5.74939+	0	5.00000+	4	5.65919+	0	409	3	2	334
6.00000+	4	5.57250+	0	7.00000+	4	5.48930+	0	8.00000+	4	5.40920+	0	409	3	2	335
9.00000+	4	5.33220+	0	1.00000+	5	5.25800+	0	1.10000+	5	5.18640+	0	409	3	2	336
1.20000+	5	5.11730+	0	1.30000+	5	5.05070+	0	1.40000+	5	4.98630+	0	409	3	2	337
1.50000+	5	4.92410+	0	1.60000+	5	4.86390+	0	1.70000+	5	4.80560+	0	409	3	2	338
1.80000+	5	4.74920+	0	1.90000+	5	4.69450+	0	2.00000+	5	4.64160+	0	409	3	2	339
2.10000+	5	4.59020+	0	2.20000+	5	4.54030+	0	2.30000+	5	4.49200+	0	409	3	2	340
2.40000+	5	4.44500+	0	2.50000+	5	4.39930+	0	2.60000+	5	4.35490+	0	409	3	2	341
2.70000+	5	4.31180+	0	2.80000+	5	4.26980+	0	2.90000+	5	4.22900+	0	409	3	2	342
3.00000+	5	4.18920+	0	3.10000+	5	4.15050+	0	3.20000+	5	4.11290+	0	409	3	2	343
3.30000+	5	4.07620+	0	3.40000+	5	4.04040+	0	3.50000+	5	4.00560+	0	409	3	2	344
3.60000+	5	3.97170+	0	3.70000+	5	3.93860+	0	3.80000+	5	3.90640+	0	409	3	2	345
3.90000+	5	3.87500+	0	4.00000+	5	3.84450+	0	4.10000+	5	3.81470+	0	409	3	2	346
4.20000+	5	3.78590+	0	4.30000+	5	3.75780+	0	4.40000+	5	3.73070+	0	409	3	2	347
4.50000+	5	3.70450+	0	4.60000+	5	3.67920+	0	4.70000+	5	3.65510+	0	409	3	2	348
4.80000+	5	3.63230+	0	4.90000+	5	3.61090+	0	5.00000+	5	3.59140+	0	409	3	2	349
5.10000+	5	3.57440+	0	5.20000+	5	3.56050+	0	5.30000+	5	3.55120+	0	409	3	2	350
5.40000+	5	3.54860+	0	5.50000+	5	3.55750+	0	5.60000+	5	3.58540+	0	409	3	2	351
5.70000+	5	3.64850+	0	5.80000+	5	3.78340+	0	5.90000+	5	4.08300+	0	409	3	2	352
6.00000+	5	4.80870+	0	6.10000+	5	6.52140+	0	6.20000+	5	7.80760+	0	409	3	2	353
6.30000+	5	6.04950+	0	6.40000+	5	4.71110+	0	6.50000+	5	4.09400+	0	409	3	2	354
6.60000+	5	3.78330+	0	6.69700+	5	3.60967+	0	6.70000+	5	3.60430+	0	409	3	2	355
6.70898+	5	3.59392+	0	6.72098+	5	3.58004+	0	6.73300+	5	3.56615+	0	409	3	2	356
6.74504+	5	3.55223+	0	6.76919+	5	3.52431+	0	6.79342+	5	3.49630+	0	409	3	2	357
6.80000+	5	3.48869+	0	6.81774+	5	3.47422+	0	6.84215+	5	3.45430+	0	409	3	2	358
6.89123+	5	3.41425+	0	6.90000+	5	3.40709+	0	6.94066+	5	3.38196+	0	409	3	2	359
6.99045+	5	3.35119+	0	7.00000+	5	3.34529+	0	7.09109+	5	3.30010+	0	409	3	2	360
7.10000+	5	3.29568+	0	7.19319+	5	3.25701+	0	7.20000+	5	3.25418+	0	409	3	2	361
7.29675+	5	3.21935+	0	7.30000+	5	3.21818+	0	7.40000+	5	3.18637+	0	409	3	2	362
7.50000+	5	3.15777+	0	7.50837+	5	3.15574+	0	7.60000+	5	3.13347+	0	409	3	2	363
7.70000+	5	3.11686+	0	7.72613+	5	3.11806+	0	7.80000+	5	3.12146+	0	409	3	2	364
7.90000+	5	3.21175+	0	7.95020+	5	3.53138+	0	8.00000+	5	3.84845+	0	409	3	2	365
8.10000+	5	5.42075+	0	8.20000+	5	3.89744+	0	8.30000+	5	3.47841+	0	409	3	2	366
8.35624+	5	3.45064+	0	8.41804+	5	3.43852+	0	8.42380+	5	3.43739+	0	409	3	2	367
8.49136+	5	3.43528+	0	8.50249+	5	3.43530+	0	8.55892+	5	3.43538+	0	409	3	2	368
8.58695+	5	3.43462+	0	8.67140+	5	3.43233+	0	8.71938+	5	3.43103+	0	409	3	2	369
8.75585+	5	3.42991+	0	8.84030+	5	3.42733+	0	8.87983+	5	3.42612+	0	409	3	2	370
8.92475+	5	3.42447+	0	9.00920+	5	3.42136+	0	9.04029+	5	3.42021+	0	409	3	2	371

9.09365+	5	3.41775+	0	9.20075+	5	3.41281+	0	9.26256+	5	3.41014+	0	409	3	2	372
9.39709+	5	3.40432+	0	9.43145+	5	3.40252+	0	9.59344+	5	3.39403+	0	409	3	2	373
9.60035+	5	3.39333+	0	9.76925+	5	3.37624+	0	9.78979+	5	3.37416+	0	409	3	2	374
9.93815+	5	3.34607+	0	9.98614+	5	3.33698+	0	1.00000+	6	3.33581+	0	409	3	2	375
1.01070+	6	3.32673+	0	1.01635+	6	3.32193+	0	1.02759+	6	3.29113+	0	409	3	2	376
1.04449+	6	3.24482+	0	1.06138+	6	3.19851+	0	1.08249+	6	3.14060+	0	409	3	2	377
1.10360+	6	3.08264+	0	1.11769+	6	3.04392+	0	1.12471+	6	3.02464+	0	409	3	2	378
1.14583+	6	2.96661+	0	1.16675+	6	2.90905+	0	1.18805+	6	2.85045+	0	409	3	2	379
1.20898+	6	2.79277+	0	1.21903+	6	2.76509+	0	1.23028+	6	2.73578+	0	409	3	2	380
1.27250+	6	2.62564+	0	1.31473+	6	2.51531+	0	1.32037+	6	2.50056+	0	409	3	2	381
1.35630+	6	2.41725+	0	1.39918+	6	2.31785+	0	1.42171+	6	2.26551+	0	409	3	2	382
1.44079+	6	2.22819+	0	1.48363+	6	2.14448+	0	1.55683+	6	2.00106+	0	409	3	2	383
1.56808+	6	1.98367+	0	1.65037+	6	1.85632+	0	1.69195+	6	1.79206+	0	409	3	2	384
1.73698+	6	1.74636+	0	1.82707+	6	1.65508+	0	1.86803+	6	1.63999+	0	409	3	2	385
1.86808+	6	1.63998+	0	1.86814+	6	1.63995+	0	1.86819+	6	1.63994+	0	409	3	2	386
1.86825+	6	1.63991+	0	1.86836+	6	1.63987+	0	1.86848+	6	1.63983+	0	409	3	2	387
1.86859+	6	1.63979+	0	1.86870+	6	1.63975+	0	1.86893+	6	1.63966+	0	409	3	2	388
1.86915+	6	1.63958+	0	1.86938+	6	1.63950+	0	1.86984+	6	1.63933+	0	409	3	2	389
1.87029+	6	1.63916+	0	1.87075+	6	1.63899+	0	1.87120+	6	1.63882+	0	409	3	2	390
1.87166+	6	1.63865+	0	1.87257+	6	1.63832+	0	1.87348+	6	1.63798+	0	409	3	2	391
1.87439+	6	1.63764+	0	1.87530+	6	1.63730+	0	1.87621+	6	1.63697+	0	409	3	2	392
1.87712+	6	1.63663+	0	1.87895+	6	1.63594+	0	1.88077+	6	1.63526+	0	409	3	2	393
1.88260+	6	1.63458+	0	1.88443+	6	1.63389+	0	1.88626+	6	1.63320+	0	409	3	2	394
1.88993+	6	1.63182+	0	1.89361+	6	1.63042+	0	1.89729+	6	1.62902+	0	409	3	2	395
1.90098+	6	1.62761+	0	1.90468+	6	1.62619+	0	1.90588+	6	1.62573+	0	409	3	2	396
1.90838+	6	1.62477+	0	1.91209+	6	1.62334+	0	1.91953+	6	1.62045+	0	409	3	2	397
1.92700+	6	1.61752+	0	1.92700+	6	1.61752+	0	1.94516+	6	1.61067+	0	409	3	2	398
1.96220+	6	1.60424+	0	1.96350+	6	1.60455+	0	1.98167+	6	1.60893+	0	409	3	2	399
2.00000+	6	1.61335+	0	2.01239+	6	1.61602+	0	2.02485+	6	1.61871+	0	409	3	2	400
2.03739+	6	1.62139+	0	2.05000+	6	1.62409+	0	2.05678+	6	1.62555+	0	409	3	2	401
2.07478+	6	1.63866+	0	2.07485+	6	1.63871+	0	2.10000+	6	1.65697+	0	409	3	2	402
2.14942+	6	1.69291+	0	2.15137+	6	1.69432+	0	2.20000+	6	1.75494+	0	409	3	2	403
2.24369+	6	1.80946+	0	2.24595+	6	1.81226+	0	2.24944+	6	1.81842+	0	409	3	2	404
2.30000+	6	1.90793+	0	2.34054+	6	1.97980+	0	2.40000+	6	2.11709+	0	409	3	2	405
2.41259+	6	2.14622+	0	2.41485+	6	2.15143+	0	2.48917+	6	2.36682+	0	409	3	2	406
2.50000+	6	2.40546+	0	2.54771+	6	2.57596+	0	2.56349+	6	2.63238+	0	409	3	2	407
2.60000+	6	2.79026+	0	2.62000+	6	2.87658+	0	2.62497+	6	2.89028+	0	409	3	2	408
2.62994+	6	2.90399+	0	2.63493+	6	2.91777+	0	2.63780+	6	2.92576+	0	409	3	2	409
2.63992+	6	2.94184+	0	2.64794+	6	3.00305+	0	2.64994+	6	3.03223+	0	409	3	2	410
2.65807+	6	3.15157+	0	2.66000+	6	3.18923+	0	2.67140+	6	3.41226+	0	409	3	2	411
2.67834+	6	3.54840+	0	2.68283+	6	3.62348+	0	2.68566+	6	3.67057+	0	409	3	2	412
2.69861+	6	3.88781+	0	2.70000+	6	3.89830+	0	2.70086+	6	3.90487+	0	409	3	2	413
2.70414+	6	3.93003+	0	2.70742+	6	3.95513+	0	2.70874+	6	3.96523+	0	409	3	2	414
2.71400+	6	3.95343+	0	2.71887+	6	3.94304+	0	2.73194+	6	3.85012+	0	409	3	2	415
2.75000+	6	3.72067+	0	2.77292+	6	3.55792+	0	2.77489+	6	3.54658+	0	409	3	2	416
2.80000+	6	3.40227+	0	2.81795+	6	3.32192+	0	2.82489+	6	3.29115+	0	409	3	2	417
2.82697+	6	3.28221+	0	2.85000+	6	3.19908+	0	2.88102+	6	3.08283+	0	409	3	2	418
2.88726+	6	3.05906+	0	2.92500+	6	2.92038+	0	2.93507+	6	2.88277+	0	409	3	2	419
2.95307+	6	2.81556+	0	2.98912+	6	2.68182+	0	3.00000+	6	2.64727+	0	409	3	2	420
3.04317+	6	2.51663+	0	3.09721+	6	2.38013+	0	3.10000+	6	2.37438+	0	409	3	2	421
3.11338+	6	2.34668+	0	3.12197+	6	2.32890+	0	3.15126+	6	2.26818+	0	409	3	2	422
3.20000+	6	2.18348+	0	3.23233+	6	2.12751+	0	3.29087+	6	2.03920+	0	409	3	2	423
3.31341+	6	2.00509+	0	3.39448+	6	1.89975+	0	3.40248+	6	1.89100+	0	409	3	2	424
3.42660+	6	1.86426+	0	3.45090+	6	1.83757+	0	3.45978+	6	1.82796+	0	409	3	2	425
3.47555+	6	1.81079+	0	3.50000+	6	1.78595+	0	3.54896+	6	1.73738+	0	409	3	2	426
3.55662+	6	1.72992+	0	3.59861+	6	1.68834+	0	3.62868+	6	1.65973+	0	409	3	2	427
3.63770+	6	1.65125+	0	3.70000+	6	1.59520+	0	3.71877+	6	1.57738+	0	409	3	2	428
3.79984+	6	1.50839+	0	3.84708+	6	1.47161+	0	3.89612+	6	1.43563+	0	409	3	2	429
3.89892+	6	1.43362+	0	3.99239+	6	1.36810+	0	4.00000+	6	1.36295+	0	409	3	2	430
4.05700+	6	1.32552+	0	4.08866+	6	1.30505+	0	4.16916+	6	1.25560+	0	409	3	2	431
4.17500+	6	1.25202+	0	4.18494+	6	1.24584+	0	4.19845+	6	1.24708+	0	409	3	2	432
4.21196+	6	1.26247+	0	4.22547+	6	1.28512+	0	4.23899+	6	1.30809+	0	409	3	2	433

4.25419+	6	1.33739+	0	4.26939+	6	1.37133+	0	4.28459+	6	1.39933+	0	409	3	2	434
4.29979+	6	1.41076+	0	4.32900+	6	1.40572+	0	4.38086+	6	1.39691+	0	409	3	2	435
4.43940+	6	1.37635+	0	4.46194+	6	1.36825+	0	4.47100+	6	1.36490+	0	409	3	2	436
4.50000+	6	1.35460+	0	4.54301+	6	1.33869+	0	4.57453+	6	1.33210+	0	409	3	2	437
4.62408+	6	1.32122+	0	4.70965+	6	1.30833+	0	4.71529+	6	1.30744+	0	409	3	2	438
4.80650+	6	1.28699+	0	4.89770+	6	1.26999+	0	4.98891+	6	1.26603+	0	409	3	2	439
5.00000+	6	1.26356+	0	5.05422+	6	1.25523+	0	5.14879+	6	1.25470+	0	409	3	2	440
5.22604+	6	1.25436+	0	5.29068+	6	1.25397+	0	5.36127+	6	1.25252+	0	409	3	2	441
5.50000+	6	1.25003+	0	5.52714+	6	1.24945+	0	5.58793+	6	1.24662+	0	409	3	2	442
5.74456+	6	1.23960+	0	5.76360+	6	1.23882+	0	6.00000+	6	1.22070+	0	409	3	2	443
6.00006+	6	1.22069+	0	6.02708+	6	1.21855+	0	6.25342+	6	1.20111+	0	409	3	2	444
6.46622+	6	1.18723+	0	6.50000+	6	1.18496+	0	6.50677+	6	1.18449+	0	409	3	2	445
6.76012+	6	1.16972+	0	6.83780+	6	1.16591+	0	7.00000+	6	1.15707+	0	409	3	2	446
7.01347+	6	1.15637+	0	7.20939+	6	1.15170+	0	7.25838+	6	1.15036+	0	409	3	2	447
7.50000+	6	1.15055+	0	7.50329+	6	1.15056+	0	7.56107+	6	1.15043+	0	409	3	2	448
7.58097+	6	1.15031+	0	7.66849+	6	1.14965+	0	7.74819+	6	1.14924+	0	409	3	2	449
7.77744+	6	1.14810+	0	7.95255+	6	1.14194+	0	7.99310+	6	1.14054+	0	409	3	2	450
8.00000+	6	1.14019+	0	8.24645+	6	1.12976+	0	8.49980+	6	1.12362+	0	409	3	2	451
8.50000+	6	1.12362+	0	8.75316+	6	1.12009+	0	8.78419+	6	1.11970+	0	409	3	2	452
9.00000+	6	1.10948+	0	9.00651+	6	1.10937+	0	9.03352+	6	1.10864+	0	409	3	2	453
9.25142+	6	1.10305+	0	9.49632+	6	1.09497+	0	9.50000+	6	1.09486+	0	409	3	2	454
9.74123+	6	1.08785+	0	9.98614+	6	1.08420+	0	1.00000+	7	1.08277+	0	409	3	2	455
1.00240+	7	1.08038+	0	1.01145+	7	1.07846+	0	1.05138+	7	1.07030+	0	409	3	2	456
1.10000+	7	1.04878+	0	1.10036+	7	1.04862+	0	1.11955+	7	1.03917+	0	409	3	2	457
1.14934+	7	1.02460+	0	1.16000+	7	1.02049+	0	1.16070+	7	1.02021+	0	409	3	2	458
1.19832+	7	1.00455+	0	1.20000+	7	1.00408+	0	1.21300+	7	9.99666-	1	409	3	2	459
1.21381+	7	9.99425-	1	1.22764+	7	9.94980-	1	1.24899+	7	9.88070-	1	409	3	2	460
1.25425+	7	9.86429-	1	1.27493+	7	9.80288-	1	1.29966+	7	9.72736-	1	409	3	2	461
1.30000+	7	9.72611-	1	1.31318+	7	9.67708-	1	1.32223+	7	9.64440-	1	409	3	2	462
1.35034+	7	9.54106-	1	1.36952+	7	9.44386-	1	1.37500+	7	9.41579-	1	409	3	2	463
1.40000+	7	9.29122-	1	1.40100+	7	9.28631-	1	1.41000+	7	9.24718-	1	409	3	2	464
1.41681+	7	9.21939-	1	1.42597+	7	9.18150-	1	1.42600+	7	9.18137-	1	409	3	2	465
1.44999+	7	9.09107-	1	1.45000+	7	9.09105-	1	1.46410+	7	9.06629-	1	409	3	2	466
1.49897+	7	9.00322-	1	1.50000+	7	9.00255-	1	1.51140+	7	8.99929-	1	409	3	2	467
1.53334+	7	8.99170-	1	1.54795+	7	8.95867-	1	1.55000+	7	8.95419-	1	409	3	2	468
1.59693+	7	8.85361-	1	1.60000+	7	8.84501-	1	1.60072+	7	8.84404-	1	409	3	2	469
1.60117+	7	8.84347-	1	1.60598+	7	8.83747-	1	1.62900+	7	8.80787-	1	409	3	2	470
1.63047+	7	8.80587-	1	1.65436+	7	8.77190-	1	1.66000+	7	8.75982-	1	409	3	2	471
1.66081+	7	8.75838-	1	1.66239+	7	8.75514-	1	1.66398+	7	8.75181-	1	409	3	2	472
1.66714+	7	8.74500-	1	1.67031+	7	8.73794-	1	1.67348+	7	8.73066-	1	409	3	2	473
1.67981+	7	8.71551-	1	1.68500+	7	8.70253-	1	1.68614+	7	8.69938-	1	409	3	2	474
1.69881+	7	8.66287-	1	1.70000+	7	8.65935-	1	1.71148+	7	8.62654-	1	409	3	2	475
1.71178+	7	8.62569-	1	1.72415+	7	8.58080-	1	1.73000+	7	8.56009-	1	409	3	2	476
1.73681+	7	8.53700-	1	1.74948+	7	8.49625-	1	1.76215+	7	8.45878-	1	409	3	2	477
1.76921+	7	8.43853-	1	1.78917+	7	8.36442-	1	1.79515+	7	8.34181-	1	409	3	2	478
1.80000+	7	8.32327-	1	1.81620+	7	8.26406-	1	1.82664+	7	8.22626-	1	409	3	2	479
1.84322+	7	8.13953-	1	1.86717+	7	8.01747-	1	1.87025+	7	8.00074-	1	409	3	2	480
1.90000+	7	7.84101-	1	1.90149+	7	7.83347-	1	1.90771+	7	7.80209-	1	409	3	2	481
1.94824+	7	7.70420-	1	2.00000+	7	7.74979-	1					409	3	2	482
												409	3	0	483
4.00900+	3	8.93476+	0		0		99		0		0	409	3	4	484
0.0	+	0-7.90000+	6		0		0		1		30	409	3	4	485
	30		3		0		0		0		0	409	3	4	486
8.78419+	6	0.0	+	9.00000+	6	7.53137-	3	9.50000+	6	1.01101-	2	409	3	4	487
1.00000+	7	1.26026-	2	1.10000+	7	1.67745-	2	1.16000+	7	1.91571-	2	409	3	4	488
1.20000+	7	2.07099-	2	1.21300+	7	2.10861-	2	1.25425+	7	2.22136-	2	409	3	4	489
1.30000+	7	2.28127-	2	1.31318+	7	2.29531-	2	1.37500+	7	2.29264-	2	409	3	4	490
1.40000+	7	2.28970-	2	1.41000+	7	2.28845-	2	1.42600+	7	2.28457-	2	409	3	4	491
1.45000+	7	2.27402-	2	1.50000+	7	2.25791-	2	1.53334+	7	2.22848-	2	409	3	4	492
1.55000+	7	2.53021-	2	1.60000+	7	3.41967-	2	1.60072+	7	3.42370-	2	409	3	4	493
1.60117+	7	3.42587-	2	1.62900+	7	3.55686-	2	1.66000+	7	3.70127-	2	409	3	4	494
1.68500+	7	3.80876-	2	1.70000+	7	3.87527-	2	1.73000+	7	4.02063-	2	409	3	4	495

1.80000+	7	4.33945-	2	1.90000+	7	4.70491-	2	2.00000+	7	4.86651-	2	409	3	4	496	
															497	
4.00900+	3	8.93476+	0	0	0	1	0	0	0	0	409	3	6	498		
0.0	+	0-1.68000+	6	0	0	0	1	0	93	409	3	6	499			
		93	3	0	0	0	0	0	0	409	3	6	500			
1.86803+	6	0.0	+	0	1.86825+	6	8.98058-	7	1.86848+	6	1.85997-	6	409	3	6	501
1.86893+	6	3.81007-	6	1.86984+	6	8.02886-	6	1.87075+	6	1.26158-	5	409	3	6	502	
1.87166+	6	1.75706-	5	1.87348+	6	2.85829-	5	1.87530+	6	4.10634-	5	409	3	6	503	
1.87712+	6	5.50102-	5	1.87895+	6	7.05097-	5	1.88260+	6	1.05836-	4	409	3	6	504	
1.88626+	6	1.47146-	4	1.88993+	6	1.94471-	4	1.89361+	6	2.47842-	4	409	3	6	505	
1.89729+	6	3.07120-	4	1.90468+	6	4.43936-	4	1.91209+	6	6.04837-	4	409	3	6	506	
1.91953+	6	7.90141-	4	1.92700+	6	9.99999-	4	1.92700+	6	9.99999-	4	409	3	6	507	
1.96350+	6	1.50000-	3	2.00000+	6	2.00000-	3	2.02485+	6	2.96880-	3	409	3	6	508	
2.05000+	6	4.00000-	3	2.10000+	6	6.00000-	3	2.14942+	6	7.90517-	3	409	3	6	509	
2.20000+	6	1.00000-	2	2.30000+	6	1.40000-	2	2.40000+	6	1.80000-	2	409	3	6	510	
2.50000+	6	2.20000-	2	2.60000+	6	2.60000-	2	2.62000+	6	2.70000-	2	409	3	6	511	
2.66000+	6	9.09998-	2	2.67140+	6	1.09240-	1	2.70000+	6	1.54987-	1	409	3	6	512	
2.70086+	6	1.56338-	1	2.71400+	6	1.64517-	1	2.75000+	6	1.83288-	1	409	3	6	513	
2.80000+	6	2.03893-	1	2.85000+	6	1.84110-	1	2.92500+	6	1.65271-	1	409	3	6	514	
3.00000+	6	1.53469-	1	3.10000+	6	1.55787-	1	3.11338+	6	1.56149-	1	409	3	6	515	
3.20000+	6	1.54861-	1	3.40248+	6	1.52108-	1	3.50000+	6	1.41806-	1	409	3	6	516	
3.70000+	6	1.22738-	1	4.00000+	6	1.04362-	1	4.05700+	6	1.03829-	1	409	3	6	517	
4.17500+	6	1.02553-	1	4.32900+	6	1.01368-	1	4.47100+	6	1.00338-	1	409	3	6	518	
4.50000+	6	1.00056-	1	5.00000+	6	9.72488-	2	5.22604+	6	9.53062-	2	409	3	6	519	
5.50000+	6	8.99974-	2	6.00000+	6	8.19199-	2	6.50000+	6	7.75833-	2	409	3	6	520	
7.00000+	6	7.38449-	2	7.50000+	6	7.23584-	2	7.56107+	6	7.21784-	2	409	3	6	521	
8.00000+	6	6.57603-	2	8.50000+	6	6.35447-	2	9.00000+	6	6.14016-	2	409	3	6	522	
9.50000+	6	5.94467-	2	1.00000+	7	5.75495-	2	1.10000+	7	5.41411-	2	409	3	6	523	
1.16000+	7	5.24068-	2	1.20000+	7	5.13399-	2	1.21300+	7	5.11450-	2	409	3	6	524	
1.25425+	7	5.03712-	2	1.30000+	7	4.81505-	2	1.31318+	7	4.78790-	2	409	3	6	525	
1.37500+	7	4.52524-	2	1.40000+	7	4.41956-	2	1.41000+	7	4.39144-	2	409	3	6	526	
1.42600+	7	4.34319-	2	1.45000+	7	4.26291-	2	1.50000+	7	4.11056-	2	409	3	6	527	
1.55000+	7	3.96159-	2	1.60000+	7	3.81516-	2	1.60072+	7	3.81306-	2	409	3	6	528	
1.60117+	7	3.81136-	2	1.62900+	7	3.70533-	2	1.66000+	7	3.59121-	2	409	3	6	529	
1.68500+	7	3.49469-	2	1.70000+	7	3.44042-	2	1.73000+	7	3.35963-	2	409	3	6	530	
1.80000+	7	3.17072-	2	1.90000+	7	2.92325-	2	2.00000+	7	2.68238-	2	409	3	6	531	
															532	
4.00900+	3	8.93476+	0	0	0	2	0	0	0	409	3	7	533			
0.0	+	0-2.42900+	6	0	0	0	1	0	68	409	3	7	534			
		68	3	0	0	0	0	0	0	409	3	7	535			
2.70086+	6	0.0	+	0	2.70414+	6	3.01532-	3	2.70742+	6	6.09446-	3	409	3	7	536
2.71400+	6	1.24634-	2	2.73194+	6	3.07653-	2	2.75000+	6	5.06754-	2	409	3	7	537	
2.77489+	6	7.92593-	2	2.80000+	6	1.10049-	1	2.82489+	6	1.29051-	1	409	3	7	538	
2.85000+	6	1.44808-	1	2.88726+	6	1.68084-	1	2.92500+	6	1.86613-	1	409	3	7	539	
3.00000+	6	2.21379-	1	3.10000+	6	2.32310-	1	3.11338+	6	2.33854-	1	409	3	7	540	
3.20000+	6	2.47482-	1	3.40248+	6	2.77734-	1	3.42660+	6	2.78238-	1	409	3	7	541	
3.45090+	6	2.78695-	1	3.50000+	6	2.79470-	1	3.54896+	6	2.79491-	1	409	3	7	542	
3.59861+	6	2.79340-	1	3.70000+	6	2.77340-	1	3.84708+	6	2.79485-	1	409	3	7	543	
4.00000+	6	2.79040-	1	4.05700+	6	2.80465-	1	4.17500+	6	2.82704-	1	409	3	7	544	
4.32900+	6	2.86494-	1	4.47100+	6	2.89767-	1	4.50000+	6	2.90185-	1	409	3	7	545	
5.00000+	6	3.01342-	1	5.22604+	6	3.06216-	1	5.50000+	6	3.01630-	1	409	3	7	546	
6.00000+	6	2.95331-	1	6.50000+	6	2.91844-	1	7.00000+	6	2.89256-	1	409	3	7	547	
7.50000+	6	2.85436-	1	7.56107+	6	2.84974-	1	8.00000+	6	2.61274-	1	409	3	7	548	
8.50000+	6	2.52648-	1	9.00000+	6	2.44304-	1	9.50000+	6	2.36613-	1	409	3	7	549	
1.00000+	7	2.29149-	1	1.10000+	7	2.13467-	1	1.16000+	7	2.05473-	1	409	3	7	550	
1.20000+	7	2.00521-	1	1.21300+	7	1.99460-	1	1.25425+	7	1.95491-	1	409	3	7	551	
1.30000+	7	1.85835-	1	1.31318+	7	1.84513-	1	1.37500+	7	1.73138-	1	409	3	7	552	
1.40000+	7	1.68579-	1	1.41000+	7	1.67472-	1	1.42600+	7	1.65577-	1	409	3	7	553	
1.45000+	7	1.62434-	1	1.50000+	7	1.56460-	1	1.55000+	7	1.50933-	1	409	3	7	554	
1.60000+	7	1.45498-	1	1.60072+	7	1.45430-	1	1.60117+	7	1.45372-	1	409	3	7	555	
1.62900+	7	1.41773-	1	1.66000+	7	1.37906-	1	1.68500+	7	1.34606-	1	409	3	7	556	
1.70000+	7	1.32763-	1	1.73000+	7	1.30034-	1	1.80000+	7	1.23618-	1	409	3	7	557	

1.90000+	7	1.15204-	1	2.00000+	7	1.06854-	1		409	3	7	558
												559
4.00900+	3	8.93476+	0	0	0	3	0	0	0	409	3	560
0.0		+ 0-4.70000+	6	0	0	0	0	1	39	409	3	561
		39	3	0	0	0	0	0				562
5.22604+	6	0.0	+ 0	5.36127+	6	4.46507-	3	5.50000+	6	8.78860-	3	563
5.74456+	6	1.58977-	2	6.00000+	6	2.26387-	2	6.50000+	6	2.64776-	2	564
7.00000+	6	2.99608-	2	7.50000+	6	3.32291-	2	7.56107+	6	3.36246-	2	565
8.00000+	6	3.38068-	2	8.50000+	6	3.54469-	2	9.00000+	6	3.70292-	2	566
9.50000+	6	3.78482-	2	1.00000+	7	3.86360-	2	1.10000+	7	3.89544-	2	567
1.16000+	7	3.87328-	2	1.20000+	7	3.86269-	2	1.21300+	7	3.86261-	2	568
1.25425+	7	3.85054-	2	1.30000+	7	3.73136-	2	1.31318+	7	3.71897-	2	569
1.37500+	7	3.55454-	2	1.40000+	7	3.48777-	2	1.41000+	7	3.46986-	2	570
1.42600+	7	3.43858-	2	1.45000+	7	3.38521-	2	1.50000+	7	3.28519-	2	571
1.55000+	7	3.18432-	2	1.60000+	7	3.08501-	2	1.60072+	7	3.08357-	2	572
1.60117+	7	3.08234-	2	1.62900+	7	3.00627-	2	1.66000+	7	2.92452-	2	573
1.68500+	7	2.85476-	2	1.70000+	7	2.81580-	2	1.73000+	7	2.75830-	2	574
1.80000+	7	2.62311-	2	1.90000+	7	2.44433-	2	2.00000+	7	2.26578-	2	575
												576
4.00900+	3	8.93476+	0	0	0	4	0	0	0	409	3	577
0.0		+ 0-6.80000+	6	0	0	0	0	1	33	409	3	578
		33	3	0	0	0	0	0				579
7.56107+	6	0.0	+ 0	7.66849+	6	3.41637-	3	7.77744+	6	6.74370-	3	580
8.00000+	6	1.31231-	2	8.50000+	6	1.59317-	2	9.00000+	6	1.86436-	2	581
9.50000+	6	2.12457-	2	1.00000+	7	2.37597-	2	1.10000+	7	2.79482-	2	582
1.16000+	7	2.94834-	2	1.20000+	7	3.05002-	2	1.21300+	7	3.06297-	2	583
1.25425+	7	3.09464-	2	1.30000+	7	3.04332-	2	1.31318+	7	3.03641-	2	584
1.37500+	7	2.91673-	2	1.40000+	7	2.86786-	2	1.41000+	7	2.85716-	2	585
1.42600+	7	2.83781-	2	1.45000+	7	2.80329-	2	1.50000+	7	2.74000-	2	586
1.55000+	7	2.67488-	2	1.60000+	7	2.61058-	2	1.60072+	7	2.60991-	2	587
1.60117+	7	2.60923-	2	1.62900+	7	2.56616-	2	1.66000+	7	2.52025-	2	588
1.68500+	7	2.47952-	2	1.70000+	7	2.45740-	2	1.73000+	7	2.42624-	2	589
1.80000+	7	2.35103-	2	1.90000+	7	2.25256-	2	2.00000+	7	2.15092-	2	590
												591
4.00900+	3	8.93476+	0	0	0	99	0	0	0	409	3	592
0.0		+ 0-3.06000+	6	0	0	0	1	56	409	3	16	593
		56	3	0	0	0	0					594
3.40248+	6	0.0	+ 0	3.42660+	6	5.72977-	3	3.45090+	6	1.12775-	2	595
3.50000+	6	2.18088-	2	3.54896+	6	3.15215-	2	3.59861+	6	4.05518-	2	596
3.70000+	6	5.65036-	2	3.84708+	6	7.71476-	2	4.00000+	6	9.39208-	2	597
4.05700+	6	9.54784-	2	4.17500+	6	9.83688-	2	4.32900+	6	1.02275-	1	598
4.47100+	6	1.05655-	1	4.50000+	6	1.06238-	1	5.00000+	6	1.17050-	1	599
5.22604+	6	1.19352-	1	5.36127+	6	1.23149-	1	5.50000+	6	1.26805-	1	600
5.74456+	6	1.33042-	1	6.00000+	6	1.38912-	1	6.50000+	6	1.42813-	1	601
7.00000+	6	1.46564-	1	7.50000+	6	1.50404-	1	7.56107+	6	1.50869-	1	602
7.66849+	6	1.55738-	1	7.77744+	6	1.60430-	1	8.00000+	6	1.69263-	1	603
8.50000+	6	1.74930-	1	9.00000+	6	1.80394-	1	9.50000+	6	1.84838-	1	604
1.00000+	7	1.89115-	1	1.10000+	7	1.94468-	1	1.16000+	7	1.95415-	1	605
1.20000+	7	1.96211-	1	1.21300+	7	1.96189-	1	1.25425+	7	1.95521-	1	606
1.30000+	7	2.03321-	1	1.31318+	7	2.04025-	1	1.37500+	7	2.15789-	1	607
1.40000+	7	2.20175-	1	1.41000+	7	2.21131-	1	1.42600+	7	2.22461-	1	608
1.45000+	7	2.23953-	1	1.50000+	7	2.27475-	1	1.55000+	7	2.30238-	1	609
1.60000+	7	2.32860-	1	1.60072+	7	2.32884-	1	1.60117+	7	2.32924-	1	610
1.62900+	7	2.35424-	1	1.66000+	7	2.38249-	1	1.68500+	7	2.40058-	1	611
1.70000+	7	2.41315-	1	1.73000+	7	2.42153-	1	1.80000+	7	2.43533-	1	612
1.90000+	7	2.44152-	1	2.00000+	7	2.44320-	1					613
												614
4.00900+	3	8.93476+	0	0	0	99	0	0	0	409	3	615
0.0		+ 0-1.57331+	6	0	0	0	1	20	409	3	24	616
		20	2	0	0	0	0					617
1.74940+	6	0.0	+ 0	2.67140+	6	0.0	+ 0	3.00000+	6	1.51004-	4	618
4.00000+	6	2.76775-	2	5.00000+	6	3.73600-	2	6.00000+	6	3.01961-	2	619

7.00000+	6	3.23720-	2	8.00000+	6	3.07737-	2	9.00000+	6	2.42284-	2	409	3	24	620	
1.00000+	7	1.97899-	2	1.10000+	7	1.80216-	2	1.20000+	7	1.88002-	2	409	3	24	621	
1.30000+	7	1.99482-	2	1.40000+	7	1.74921-	2	1.50000+	7	1.47066-	2	409	3	24	622	
1.60000+	7	1.25333-	2	1.70000+	7	1.07847-	2	1.80000+	7	9.40091-	3	409	3	24	623	
1.90000+	7	8.44077-	3	2.00000+	7	7.83454-	3					409	3	24	624	
												409	3	0	625	
4.00900+	3	8.93476+	0		0		1		0		0	409	3	46	626	
0.0	+	0-1.68000+	6		0		0		1		93	409	3	46	627	
	93		3		0		0		0		0	409	3	46	628	
1.86803+	6	0.0	+	0	1.86825+	6	8.98058-	7	1.86848+	6	1.85997-	6	409	3	46	629
1.86893+	6	3.81007-	6	1.86984+	6	8.02886-	6	1.87075+	6	1.26158-	5	409	3	46	630	
1.87166+	6	1.75706-	5	1.87348+	6	2.85829-	5	1.87530+	6	4.10634-	5	409	3	46	631	
1.87712+	6	5.50102-	5	1.87895+	6	7.05097-	5	1.88260+	6	1.05836-	4	409	3	46	632	
1.88626+	6	1.47146-	4	1.88993+	6	1.94471-	4	1.89361+	6	2.47842-	4	409	3	46	633	
1.89729+	6	3.07120-	4	1.90468+	6	4.43936-	4	1.91209+	6	6.04837-	4	409	3	46	634	
1.91953+	6	7.90141-	4	1.92700+	6	9.99999-	4	1.92700+	6	9.99999-	4	409	3	46	635	
1.96350+	6	1.50000-	3	2.00000+	6	2.00000-	3	2.02485+	6	2.96880-	3	409	3	46	636	
2.05000+	6	4.00000-	3	2.10000+	6	6.00000-	3	2.14942+	6	7.90517-	3	409	3	46	637	
2.20000+	6	1.00000-	2	2.30000+	6	1.40000-	2	2.40000+	6	1.80000-	2	409	3	46	638	
2.50000+	6	2.20000-	2	2.60000+	6	2.60000-	2	2.62000+	6	2.70000-	2	409	3	46	639	
2.66000+	6	9.09998-	2	2.67140+	6	1.09240-	1	2.70000+	6	1.54987-	1	409	3	46	640	
2.70086+	6	1.56338-	1	2.71400+	6	1.64517-	1	2.75000+	6	1.83288-	1	409	3	46	641	
2.80000+	6	2.03893-	1	2.85000+	6	1.84110-	1	2.92500+	6	1.65271-	1	409	3	46	642	
3.00000+	6	1.53469-	1	3.10000+	6	1.55787-	1	3.11338+	6	1.56149-	1	409	3	46	643	
3.20000+	6	1.54861-	1	3.40248+	6	1.52108-	1	3.50000+	6	1.41806-	1	409	3	46	644	
3.70000+	6	1.22738-	1	4.00000+	6	1.04362-	1	4.05700+	6	1.03829-	1	409	3	46	645	
4.17500+	6	1.02553-	1	4.32900+	6	1.01368-	1	4.47100+	6	1.00338-	1	409	3	46	646	
4.50000+	6	1.00056-	1	5.00000+	6	9.72488-	2	5.22604+	6	9.53062-	2	409	3	46	647	
5.50000+	6	8.99974-	2	6.00000+	6	8.19199-	2	6.50000+	6	7.75833-	2	409	3	46	648	
7.00000+	6	7.38449-	2	7.50000+	6	7.23584-	2	7.56107+	6	7.21784-	2	409	3	46	649	
8.00000+	6	6.57603-	2	8.50000+	6	6.35447-	2	9.00000+	6	6.14016-	2	409	3	46	650	
9.50000+	6	5.94467-	2	1.00000+	7	5.75495-	2	1.10000+	7	5.41411-	2	409	3	46	651	
1.16000+	7	5.24068-	2	1.20000+	7	5.13399-	2	1.21300+	7	5.11450-	2	409	3	46	652	
1.25425+	7	5.03712-	2	1.30000+	7	4.81505-	2	1.31318+	7	4.78790-	2	409	3	46	653	
1.37500+	7	4.52524-	2	1.40000+	7	4.41956-	2	1.41000+	7	4.39144-	2	409	3	46	654	
1.42600+	7	4.34319-	2	1.45000+	7	4.26291-	2	1.50000+	7	4.11056-	2	409	3	46	655	
1.55000+	7	3.96159-	2	1.60000+	7	3.81516-	2	1.60072+	7	3.81306-	2	409	3	46	656	
1.60117+	7	3.81136-	2	1.62900+	7	3.70533-	2	1.66000+	7	3.59121-	2	409	3	46	657	
1.68500+	7	3.49469-	2	1.70000+	7	3.44042-	2	1.73000+	7	3.35963-	2	409	3	46	658	
1.80000+	7	3.17072-	2	1.90000+	7	2.92325-	2	2.00000+	7	2.68238-	2	409	3	46	659	
												409	3	0	660	
4.00900+	3	8.93476+	0		0		2		0		0	409	3	47	661	
0.0	+	0-2.42900+	6		0		0		1		68	409	3	47	662	
	68		3		0		0		0		0	409	3	47	663	
2.70086+	6	0.0	+	0	2.70414+	6	3.01532-	3	2.70742+	6	6.09446-	3	409	3	47	664
2.71400+	6	1.24634-	2	2.73194+	6	3.07653-	2	2.75000+	6	5.06754-	2	409	3	47	665	
2.77489+	6	7.92593-	2	2.80000+	6	1.10049-	1	2.82489+	6	1.29051-	1	409	3	47	666	
2.85000+	6	1.44808-	1	2.88726+	6	1.68084-	1	2.92500+	6	1.86613-	1	409	3	47	667	
3.00000+	6	2.21379-	1	3.10000+	6	2.32310-	1	3.11338+	6	2.33854-	1	409	3	47	668	
3.20000+	6	2.47482-	1	3.40248+	6	2.77734-	1	3.42660+	6	2.78238-	1	409	3	47	669	
3.45090+	6	2.78695-	1	3.50000+	6	2.79470-	1	3.54896+	6	2.79491-	1	409	3	47	670	
3.59861+	6	2.79340-	1	3.70000+	6	2.77340-	1	3.84708+	6	2.79485-	1	409	3	47	671	
4.00000+	6	2.79040-	1	4.05700+	6	2.80465-	1	4.17500+	6	2.82704-	1	409	3	47	672	
4.32900+	6	2.86494-	1	4.47100+	6	2.89767-	1	4.50000+	6	2.90185-	1	409	3	47	673	
5.00000+	6	3.01342-	1	5.22604+	6	3.06216-	1	5.50000+	6	3.01630-	1	409	3	47	674	
6.00000+	6	2.95331-	1	6.50000+	6	2.91844-	1	7.00000+	6	2.89256-	1	409	3	47	675	
7.50000+	6	2.85436-	1	7.56107+	6	2.84974-	1	8.00000+	6	2.61274-	1	409	3	47	676	
8.50000+	6	2.52648-	1	9.00000+	6	2.44304-	1	9.50000+	6	2.36613-	1	409	3	47	677	
1.00000+	7	2.29149-	1	1.10000+	7	2.13467-	1	1.16000+	7	2.05473-	1	409	3	47	678	
1.20000+	7	2.00521-	1	1.21300+	7	1.99460-	1	1.25425+	7	1.95491-	1	409	3	47	679	
1.30000+	7	1.85835-	1	1.31318+	7	1.84513-	1	1.37500+	7	1.73138-	1	409	3	47	680	
1.40000+	7	1.68579-	1	1.41000+	7	1.67472-	1	1.42600+	7	1.65577-	1	409	3	47	681	

1.45000+	7	1.62434-	1	1.50000+	7	1.56460-	1	1.55000+	7	1.50933-	1	409	3	47	682	
1.60000+	7	1.45498-	1	1.60072+	7	1.45430-	1	1.60117+	7	1.45372-	1	409	3	47	683	
1.62900+	7	1.41773-	1	1.66000+	7	1.37906-	1	1.68500+	7	1.34606-	1	409	3	47	684	
1.70000+	7	1.32763-	1	1.73000+	7	1.30034-	1	1.80000+	7	1.23618-	1	409	3	47	685	
1.90000+	7	1.15204-	1	2.00000+	7	1.06854-	1					409	3	47	686	
												409	3	0	687	
4.00900+	3	8.93476+	0					0				0	409	3	48	688
0.0		+ 0-4.70000+	6					0			1	39	409	3	48	689
	39		3					0			0	0	409	3	48	690
5.22604+	6	0.0	+ 0	5.36127+	6	4.46507-	3	5.50000+	6	8.78860-	3	409	3	48	691	
5.74456+	6	1.58977-	2	6.00000+	6	2.26387-	2	6.50000+	6	2.64776-	2	409	3	48	692	
7.00000+	6	2.99608-	2	7.50000+	6	3.32291-	2	7.56107+	6	3.36246-	2	409	3	48	693	
8.00000+	6	3.38068-	2	8.50000+	6	3.54469-	2	9.00000+	6	3.70292-	2	409	3	48	694	
9.50000+	6	3.78482-	2	1.00000+	7	3.86360-	2	1.10000+	7	3.89544-	2	409	3	48	695	
1.16000+	7	3.87328-	2	1.20000+	7	3.86269-	2	1.21300+	7	3.86261-	2	409	3	48	696	
1.25425+	7	3.85054-	2	1.30000+	7	3.73136-	2	1.31318+	7	3.71897-	2	409	3	48	697	
1.37500+	7	3.55454-	2	1.40000+	7	3.48777-	2	1.41000+	7	3.46986-	2	409	3	48	698	
1.42600+	7	3.43858-	2	1.45000+	7	3.38521-	2	1.50000+	7	3.28519-	2	409	3	48	699	
1.55000+	7	3.18432-	2	1.60000+	7	3.08501-	2	1.60072+	7	3.08357-	2	409	3	48	700	
1.60117+	7	3.08234-	2	1.62900+	7	3.00627-	2	1.66000+	7	2.92452-	2	409	3	48	701	
1.68500+	7	2.85476-	2	1.70000+	7	2.81580-	2	1.73000+	7	2.75830-	2	409	3	48	702	
1.80000+	7	2.62311-	2	1.90000+	7	2.44433-	2	2.00000+	7	2.26578-	2	409	3	48	703	
												409	3	0	704	
4.00900+	3	8.93476+	0					0				0	409	3	49	705
0.0		+ 0-6.80000+	6					0			1	33	409	3	49	706
	33		3					0			0	0	409	3	49	707
7.56107+	6	0.0	+ 0	7.66849+	6	3.41637-	3	7.77744+	6	6.74370-	3	409	3	49	708	
8.00000+	6	1.31231-	2	8.50000+	6	1.59317-	2	9.00000+	6	1.86436-	2	409	3	49	709	
9.50000+	6	2.12457-	2	1.00000+	7	2.37597-	2	1.10000+	7	2.79482-	2	409	3	49	710	
1.16000+	7	2.94834-	2	1.20000+	7	3.05002-	2	1.21300+	7	3.06297-	2	409	3	49	711	
1.25425+	7	3.09464-	2	1.30000+	7	3.04332-	2	1.31318+	7	3.03641-	2	409	3	49	712	
1.37500+	7	2.91673-	2	1.40000+	7	2.86786-	2	1.41000+	7	2.85716-	2	409	3	49	713	
1.42600+	7	2.83781-	2	1.45000+	7	2.80329-	2	1.50000+	7	2.74000-	2	409	3	49	714	
1.55000+	7	2.67488-	2	1.60000+	7	2.61058-	2	1.60072+	7	2.60991-	2	409	3	49	715	
1.60117+	7	2.60923-	2	1.62900+	7	2.56616-	2	1.66000+	7	2.52025-	2	409	3	49	716	
1.68500+	7	2.47952-	2	1.70000+	7	2.45740-	2	1.73000+	7	2.42624-	2	409	3	49	717	
1.80000+	7	2.35103-	2	1.90000+	7	2.25256-	2	2.00000+	7	2.15092-	2	409	3	49	718	
												409	3	0	719	
4.00900+	3	8.93476+	0					1				0	409	3	51	720
0.0		+ 0-7.90000+	6					0			1	29	409	3	51	721
	29		3					0			0	0	409	3	51	722
8.78419+	6	0.0	+ 0	9.00000+	6	7.53137-	3	9.50000+	6	1.01101-	2	409	3	51	723	
1.00000+	7	1.26026-	2	1.10000+	7	1.67745-	2	1.16000+	7	1.91571-	2	409	3	51	724	
1.20000+	7	2.07099-	2	1.21300+	7	2.10861-	2	1.25425+	7	2.22136-	2	409	3	51	725	
1.30000+	7	2.28127-	2	1.31318+	7	2.29531-	2	1.37500+	7	2.29264-	2	409	3	51	726	
1.40000+	7	2.28970-	2	1.41000+	7	2.28845-	2	1.42600+	7	2.28457-	2	409	3	51	727	
1.45000+	7	2.27402-	2	1.50000+	7	2.25791-	2	1.55000+	7	2.21402-	2	409	3	51	728	
1.60000+	7	2.17056-	2	1.60072+	7	2.16994-	2	1.60117+	7	2.16933-	2	409	3	51	729	
1.62900+	7	2.13101-	2	1.66000+	7	2.09009-	2	1.68500+	7	2.05406-	2	409	3	51	730	
1.70000+	7	2.03440-	2	1.73000+	7	2.00639-	2	1.80000+	7	1.93914-	2	409	3	51	731	
1.90000+	7	1.84756-	2	2.00000+	7	1.75291-	2					409	3	51	732	
												409	3	0	733	
4.00900+	3	8.93476+	0					2				0	409	3	52	734
0.0		+ 0-1.37900+	7					0			1	13	409	3	52	735
	13		3					0			0	0	409	3	52	736
1.53334+	7	0.0	+ 0	1.55000+	7	3.16193-	3	1.60000+	7	1.24911-	2	409	3	52	737	
1.60072+	7	1.25376-	2	1.60117+	7	1.25654-	2	1.62900+	7	1.42585-	2	409	3	52	738	
1.66000+	7	1.61118-	2	1.68500+	7	1.75470-	2	1.70000+	7	1.84087-	2	409	3	52	739	
1.73000+	7	2.01424-	2	1.80000+	7	2.40031-	2	1.90000+	7	2.85735-	2	409	3	52	740	
2.00000+	7	3.11360-	2									409	3	52	741	
												409	3	0	742	
4.00900+	3	8.93476+	0					99				0	409	3102	743	

0.0	+ 0	6.81210+	6	0	0	1	14	409	3102	744					
	14		5	0	0	0		0	409	3102	745				
1.00000-	5	3.82272-	1	1.00000-	4	1.20885-	1	1.00000-	3	3.82272-	2	409	3102	746	
2.53000-	2	7.60000-	3	1.00000-	1	3.82272-	3	1.00000+	0	1.20885-	3	409	3102	747	
1.00000+	1	3.82272-	4	1.00000+	2	1.20885-	4	1.00000+	3	3.82272-	5	409	3102	748	
1.00000+	4	1.20885-	5	1.00000+	5	3.82272-	6	1.00000+	6	1.20885-	6	409	3102	749	
1.00000+	7	3.82272-	7	2.00000+	7	2.70307-	7					409	3102	750	
												409	3	0	751
4.00900+	3	8.93476+	0	0	99	0						0	409	3103	752
0.0	+ 0	-1.28244+	7	0	0	1						7	409	3103	753
	7		2	0	0	0						0	409	3103	754
1.42597+	7	0.0	+ 0	1.50000+	7	4.82851-	4	1.60000+	7	7.43060-	4	409	3103	755	
1.70000+	7	8.89255-	4	1.80000+	7	1.03914-	3	1.90000+	7	1.18005-	3	409	3103	756	
2.00000+	7	1.28236-	3									409	3103	757	
												409	3	0	758
4.00900+	3	8.93476+	0	0	99	0						0	409	3104	759
0.0	+ 0	-1.46635+	7	0	0	1						21	409	3104	760
	21		2	0	0	0						0	409	3104	761
1.63047+	7	0.0	+ 0	1.66081+	7	1.66509-	4	1.66239+	7	2.18032-	4	409	3104	762	
1.66398+	7	2.75960-	4	1.66714+	7	4.10180-	4	1.67031+	7	5.67395-	4	409	3104	763	
1.67348+	7	7.45989-	4	1.67981+	7	1.16036-	3	1.68614+	7	1.63979-	3	409	3104	764	
1.69881+	7	2.73926-	3	1.71148+	7	3.93592-	3	1.72415+	7	5.12124-	3	409	3104	765	
1.73681+	7	6.18669-	3	1.74948+	7	7.02375-	3	1.76215+	7	7.52394-	3	409	3104	766	
1.78917+	7	8.33005-	3	1.81620+	7	9.29966-	3	1.84322+	7	1.01506-	2	409	3104	767	
1.87025+	7	1.06007-	2	1.90149+	7	1.08984-	2	2.00000+	7	1.16690-	2	409	3104	768	
												409	3	0	769
4.00900+	3	8.93476+	0	0	99	0						0	409	3105	770
0.0	+ 0	-1.04387+	7	0	0	1						11	409	3105	771
	11		2	0	0	0						0	409	3105	772
1.16070+	7	0.0	+ 0	1.20000+	7	6.98397-	4	1.21381+	7	1.65404-	3	409	3105	773	
1.30000+	7	9.44131-	3	1.40000+	7	1.83575-	2	1.50000+	7	2.46176-	2	409	3105	774	
1.60000+	7	2.85511-	2	1.70000+	7	2.99133-	2	1.80000+	7	2.98976-	2	409	3105	775	
1.90000+	7	2.93066-	2	2.00000+	7	2.84052-	2					409	3105	776	
												409	3	0	777
4.00900+	3	8.93476+	0	0	99	0						0	409	3107	778
0.0	+ 0	-6.02300+	5	0	0	1						69	409	3107	779
	69		2	0	0	0						0	409	3107	780
6.69700+	5	0.0	+ 0	8.41804+	5	6.27232-	5	8.50249+	5	6.38567-	5	409	3107	781	
8.58695+	5	6.63976-	5	8.67140+	5	7.04797-	5	8.75585+	5	7.62371-	5	409	3107	782	
8.84030+	5	8.38042-	5	8.92475+	5	9.33150-	5	9.00920+	5	1.04904-	4	409	3107	783	
9.09365+	5	1.18704-	4	9.26256+	5	1.53480-	4	9.43145+	5	1.98711-	4	409	3107	784	
9.60035+	5	2.55474-	4	9.76925+	5	3.24841-	4	9.93815+	5	4.07886-	4	409	3107	785	
1.01070+	6	5.05680-	4	1.02759+	6	6.19299-	4	1.04449+	6	7.49814-	4	409	3107	786	
1.06138+	6	8.98313-	4	1.08249+	6	1.12191-	3	1.10360+	6	1.39743-	3	409	3107	787	
1.12471+	6	1.72377-	3	1.14583+	6	2.09991-	3	1.18805+	6	2.99718-	3	409	3107	788	
1.23028+	6	4.08070-	3	1.27250+	6	5.34185-	3	1.31473+	6	6.77211-	3	409	3107	789	
1.39918+	6	1.01055-	2	1.48363+	6	1.40124-	2	1.56808+	6	1.84241-	2	409	3107	790	
1.73698+	6	2.84880-	2	1.90588+	6	3.89263-	2	2.07478+	6	4.92096-	2	409	3107	791	
2.24369+	6	6.00503-	2	2.41259+	6	7.21609-	2	2.54771+	6	8.33578-	2	409	3107	792	
2.68283+	6	9.42222-	2	2.81795+	6	1.01824-	1	2.95307+	6	1.03233-	1	409	3107	793	
3.12197+	6	1.00039-	1	3.29087+	6	9.72992-	2	3.45978+	6	9.52904-	2	409	3107	794	
3.62868+	6	9.42891-	2	3.89892+	6	8.97108-	2	4.16916+	6	8.01825-	2	409	3107	795	
4.43940+	6	7.00676-	2	4.57453+	6	6.61538-	2	4.70965+	6	6.37298-	2	409	3107	796	
5.14879+	6	5.87583-	2	5.58793+	6	5.34252-	2	6.02708+	6	4.75034-	2	409	3107	797	
6.46622+	6	4.07657-	2	6.83780+	6	3.59768-	2	7.20939+	6	3.33165-	2	409	3107	798	
7.58097+	6	3.20135-	2	7.95255+	6	3.12965-	2	9.03352+	6	2.87031-	2	409	3107	799	
1.01145+	7	2.50410-	2	1.11955+	7	2.05420-	2	1.22764+	7	1.54383-	2	409	3107	800	
1.27493+	7	1.33099-	2	1.32223+	7	1.15590-	2	1.36952+	7	1.01431-	2	409	3107	801	
1.41681+	7	9.01945-	3	1.46410+	7	8.14563-	3	1.51140+	7	7.47896-	3	409	3107	802	
1.60598+	7	6.59680-	3	1.79515+	7	5.44468-	3	2.00000+	7	5.00000-	3	409	3107	803	
												409	3	0	804
4.00900+	3	8.93476+	0	0	0	0						0	409	3251	805

0.0	+ 0	0.0	+ 0	0	0	1	90	409	3251	806					
	90		2	0	0	0	0	409	3251	807					
1.00000-	5	7.44393-	2	1.00000-	4	7.44393-	2	1.00000-	3	7.44393-	2	409	3251	808	
2.53000-	2	7.44393-	2	1.00000-	1	7.44393-	2	1.00000+	0	7.44393-	2	409	3251	809	
1.00000+	1	7.44393-	2	1.00000+	2	7.44393-	2	1.00000+	3	7.44393-	2	409	3251	810	
1.00000+	4	7.44393-	2	4.00000+	4	7.44393-	2	5.00000+	4	8.52300-	2	409	3251	811	
7.00000+	4	8.94753-	2	8.50000+	4	8.13243-	2	1.00000+	5	7.02823-	2	409	3251	812	
1.20000+	5	7.82209-	2	1.55000+	5	9.87447-	2	2.07000+	5	9.17741-	2	409	3251	813	
2.55000+	5	1.16056-	1	3.06000+	5	1.04141-	1	3.50000+	5	1.05666-	1	409	3251	814	
4.07000+	5	9.60822-	2	4.32000+	5	1.07677-	1	4.50000+	5	1.10058-	1	409	3251	815	
5.08000+	5	1.12117-	1	5.50000+	5	1.11362-	1	5.70000+	5	1.05309-	1	409	3251	816	
5.90000+	5	1.05850-	1	6.00000+	5	1.12731-	1	6.10000+	5	9.91183-	2	409	3251	817	
6.20000+	5	8.91797-	2	6.30000+	5	8.44296-	2	6.40000+	5	9.89497-	2	409	3251	818	
6.50000+	5	1.01726-	1	6.75000+	5	1.22304-	1	7.70000+	5	1.34905-	1	409	3251	819	
7.80000+	5	1.36389-	1	7.90000+	5	1.35468-	1	8.00000+	5	1.29575-	1	409	3251	820	
8.05000+	5	1.18345-	1	8.10000+	5	1.51027-	1	8.15000+	5	1.87600-	1	409	3251	821	
8.20000+	5	2.17738-	1	8.25000+	5	2.32907-	1	8.30000+	5	2.79507-	1	409	3251	822	
8.40000+	5	2.22694-	1	8.60000+	5	2.09008-	1	9.05000+	5	2.03108-	1	409	3251	823	
9.30000+	5	2.46464-	1	1.04000+	6	2.53904-	1	1.14000+	6	2.57422-	1	409	3251	824	
1.24000+	6	2.69013-	1	1.34000+	6	2.72872-	1	1.44000+	6	2.82991-	1	409	3251	825	
1.54000+	6	2.73822-	1	1.65000+	6	2.62730-	1	1.75000+	6	2.30973-	1	409	3251	826	
1.85000+	6	2.19742-	1	1.95000+	6	1.70884-	1	2.05000+	6	1.53799-	1	409	3251	827	
2.15000+	6	1.31226-	1	2.25000+	6	1.50137-	1	2.48000+	6	1.56746-	1	409	3251	828	
2.63000+	6	2.60458-	1	2.77000+	6	4.33800-	1	2.97000+	6	3.80814-	1	409	3251	829	
3.00000+	6	3.63677-	1	3.35000+	6	4.16775-	1	3.50000+	6	4.27777-	1	409	3251	830	
3.55000+	6	4.40028-	1	3.65000+	6	4.46564-	1	3.75000+	6	4.54083-	1	409	3251	831	
4.10000+	6	4.57246-	1	5.00000+	6	5.46647-	1	6.00000+	6	5.76297-	1	409	3251	832	
6.97000+	6	6.48701-	1	7.97000+	6	6.65366-	1	8.96000+	6	6.81816-	1	409	3251	833	
9.96000+	6	7.07658-	1	1.09500+	7	7.21601-	1	1.20400+	7	7.34838-	1	409	3251	834	
1.29400+	7	7.52059-	1	1.39400+	7	7.62502-	1	1.49400+	7	7.76867-	1	409	3251	835	
1.50000+	7	7.95926-	1	1.60000+	7	8.08808-	1	1.70000+	7	8.20550-	1	409	3251	836	
1.80000+	7	8.31232-	1	1.90000+	7	8.40867-	1	2.00000+	7	8.49598-	1	409	3251	837	
												409	3	0	838
4.00900+	3	8.93476+	0	0	0	0	0	0	0	409	3740	839			
0.0	+ 0	-1.04387+	7	0	0	1	10	409	3740	840					
	10		2	0	0	0	0	409	3740	841					
1.16070+	7	0.0	+ 0	1.20000+	7	6.98397-	4	1.30000+	7	7.61833-	3	409	3740	842	
1.40000+	7	1.32801-	2	1.50000+	7	1.72270-	2	1.60000+	7	1.96693-	2	409	3740	843	
1.70000+	7	2.04046-	2	1.80000+	7	2.02482-	2	1.90000+	7	1.96835-	2	409	3740	844	
2.00000+	7	1.89526-	2									409	3740	845	
												409	3	0	846
4.00900+	3	8.93476+	0	0	1	0	0	409	3741	847					
0.0	+ 0	-1.09163+	7	0	0	1	9	409	3741	848					
	9		2	0	0	0	0	409	3741	849					
1.21381+	7	0.0	+ 0	1.30000+	7	1.82298-	3	1.40000+	7	5.07744-	3	409	3741	850	
1.50000+	7	7.39060-	3	1.60000+	7	8.88184-	3	1.70000+	7	9.50868-	3	409	3741	851	
1.80000+	7	9.64942-	3	1.90000+	7	9.62312-	3	2.00000+	7	9.45261-	3	409	3741	852	
												409	3	0	853
												409	0	0	854
4.00900+	3	8.93476+	0	1	1	0	0	409	4	2	855				
0.0	+ 0	8.93476+	0	0	2	121	10	409	4	2	856				
1.00000+	0	7.46149-	2	2.50983-	3	-4.78024-	17	0.0	+ 0	0.0	+ 0	409	4	2	857
0.0	+ 0	0.0	+ 0	0.0	+ 0	0.0	+ 0	0.0	+ 0	0.0	+ 0	409	4	2	858
9.92484-	1	1.33825-	1	8.58969-	3	2.67967-	4	4.48025-	6	-1.22627-	7	409	4	2	859
0.0	+ 0	0.0	+ 0	0.0	+ 0	0.0	+ 0	0.0	+ 0	-7.38138-	2	409	4	2	860
9.80383-	1	1.89998-	1	1.78180-	2	9.70756-	4	3.29937-	5	3.97847-	7	409	4	2	861
1.04844-	7	-5.10786-	9	0.0	+ 0	0.0	+ 0	7.42880-	3	-1.31699-	1	409	4	2	862
9.61894-	1	2.43973-	1	3.00457-	2	2.27601-	3	1.15260-	4	3.58200-	6	409	4	2	863
2.36992-	7	8.28956-	9	0.0	+ 0	-7.91569-	4	1.68479-	2	-1.85795-	1	409	4	2	864
9.37458-	1	2.95650-	1	4.51199-	2	4.34261-	3	2.89554-	4	1.33817-	5	409	4	2	865
6.22193-	7	0.0	+ 0	8.61174-	5	-2.09536-	3	2.89465-	2	-2.37054-	1	409	4	2	866
9.07330-	1	3.44699-	1	6.28617-	2	7.31834-	3	6.02345-	4	3.60746-	5	409	4	2	867

0.0	+	0-9.46220-	6	2.55854-	4-4.12803-	3	4.36540-	2-2.85401-	1	409	4	2	868			
8.71800-	1	3.90736-	1	8.30622-	2	1.13375-	2	1.10761-	3	0.0	+	0	409	4	2	869
1.04538-	6-	3.08401-	5	5.60139-	4-7.03483-	3	6.07950-	2-3.30548-	1	409	4	2	870			
8.31202-	1	4.33374-	1	1.05482-	1	1.65188-	2	0.0	+	0-1.15882-	7	409	4	2	871	
3.68196-	6-	7.35929-	5	1.05153-	3-1.09403-	2	8.01467-	2-3.72159-	1	409	4	2	872			
7.85916-	1	4.72243-	1	1.29855-	1	0.0	+	0	1.28740-	8-4.36348-	7	409	4	2	873	
9.45112-	6-	1.49700-	4	1.78791-	3-1.59508-	2	1.01452-	1-4.09905-	1	409	4	2	874			
7.36365-	1	5.07005-	1	0.0	+	0-1.43243-	9	5.14089-	8-1.19330-	6	409	4	2	875		
2.05922-	5-	2.74366-	4	2.83167-	3-2.21532-	2	1.24427-	1-4.43476-	1	409	4	2	876			
6.83007-	1									409	4	2	877			
0.0	+	0	0.0	+	0	0	0	1	90	409	4	2	878			
		90	2	0	0	0	0	0	0	409	4	2	879			
0.0	+	0	1.00000-	5	0	0	2	0	409	4	2	880				
0.0	+	0	0.0	+	0				409	4	2	881				
0.0	+	0	1.00000-	4	0	0	2	0	409	4	2	882				
0.0	+	0	0.0	+	0				409	4	2	883				
0.0	+	0	1.00000-	3	0	0	2	0	409	4	2	884				
0.0	+	0	0.0	+	0				409	4	2	885				
0.0	+	0	2.53000-	2	0	0	2	0	409	4	2	886				
0.0	+	0	0.0	+	0				409	4	2	887				
0.0	+	0	1.00000-	1	0	0	2	0	409	4	2	888				
0.0	+	0	0.0	+	0				409	4	2	889				
0.0	+	0	1.00000+	0	0	0	2	0	409	4	2	890				
0.0	+	0	0.0	+	0				409	4	2	891				
0.0	+	0	1.00000+	1	0	0	2	0	409	4	2	892				
0.0	+	0	0.0	+	0				409	4	2	893				
0.0	+	0	1.00000+	2	0	0	2	0	409	4	2	894				
0.0	+	0	0.0	+	0				409	4	2	895				
0.0	+	0	1.00000+	3	0	0	2	0	409	4	2	896				
0.0	+	0	0.0	+	0				409	4	2	897				
0.0	+	0	1.00000+	4	0	0	2	0	409	4	2	898				
0.0	+	0	0.0	+	0				409	4	2	899				
0.0	+	0	4.00000+	4	0	0	2	0	409	4	2	900				
0.0	+	0	0.0	+	0				409	4	2	901				
0.0	+	0	5.00000+	4	0	0	2	0	409	4	2	902				
1.08696-	2	0.0	+	0					409	4	2	903				
0.0	+	0	7.00000+	4	0	0	2	0	409	4	2	904				
1.46520-	2-	6.59341-	3						409	4	2	905				
0.0	+	0	8.50000+	4	0	0	4	0	409	4	2	906				
7.49064-	3	6.74157-	3-3.85233-	3	0.0	+	0		409	4	2	907				
0.0	+	0	1.00000+	5	0	0	4	0	409	4	2	908				
-3.74532-	3	4.49438-	3-8.02568-	3	0.0	+	0		409	4	2	909				
0.0	+	0	1.20000+	5	0	0	4	0	409	4	2	910				
3.78788-	3	0.0	+	0	1.62338-	3	0.0	+	0	409	4	2	911			
0.0	+	0	1.55000+	5	0	0	4	0	409	4	2	912				
2.46914-	2	2.46914-	3-1.76367-	3	0.0	+	0		409	4	2	913				
0.0	+	0	2.07000+	5	0	0	4	0	409	4	2	914				
1.73160-	2-	2.59740-	3-3.71058-	3	0.0	+	0		409	4	2	915				
0.0	+	0	2.55000+	5	0	0	4	0	409	4	2	916				
4.22535-	2	3.94366-	3-2.81690-	3	0.0	+	0		409	4	2	917				
0.0	+	0	3.06000+	5	0	0	4	0	409	4	2	918				
2.94118-	2-	5.88235-	3	5.04202-	3	0.0	+	0	409	4	2	919				
0.0	+	0	3.50000+	5	0	0	4	0	409	4	2	920				
3.12500-	2-	3.12500-	3-2.23214-	3	0.0	+	0		409	4	2	921				
0.0	+	0	4.07000+	5	0	0	4	0	409	4	2	922				
2.15054-	2-	4.51613-	3-3.22581-	3	0.0	+	0		409	4	2	923				
0.0	+	0	4.32000+	5	0	0	4	0	409	4	2	924				
3.27869-	2-	9.83607-	3-3.27869-	3	0.0	+	0		409	4	2	925				
0.0	+	0	4.50000+	5	0	0	4	0	409	4	2	926				
3.44444-	2-	2.00000-	2-4.76190-	3	0.0	+	0		409	4	2	927				
0.0	+	0	5.08000+	5	0	0	2	0	409	4	2	928				
3.74269-	2-	7.01754-	3						409	4	2	929				

0.0	+	0	5.50000+	5	0	0	2	0	409	4	2	930
3.50877-	2-	2.80702-	2						409	4	2	931
0.0	+	0	5.70000+	5	0	0	4	0	409	4	2	932
2.87356-	2-	3.10345-	2	2.46305-	3	0.0	+	0	409	4	2	933
0.0	+	0	5.90000+	5	0	0	4	0	409	4	2	934
2.92398-	2-	3.15789-	2	2.50627-	3	0.0	+	0	409	4	2	935
0.0	+	0	6.00000+	5	0	0	4	0	409	4	2	936
3.76344-	2-	1.29032-	2-	2.30415-	3	0.0	+	0	409	4	2	937
0.0	+	0	6.10000+	5	0	0	4	0	409	4	2	938
2.63158-	2	1.97368-	2	1.87970-	3	0.0	+	0	409	4	2	939
0.0	+	0	6.20000+	5	0	0	4	0	409	4	2	940
2.17391-	2	9.34783-	2	1.08696-	2	0.0	+	0	409	4	2	941
0.0	+	0	6.30000+	5	0	0	4	0	409	4	2	942
2.13904-	2	1.51872-	1	7.63942-	3	0.0	+	0	409	4	2	943
0.0	+	0	6.40000+	5	0	0	4	0	409	4	2	944
3.65854-	2	1.58537-	1	2.14286-	3	0.0	+	0	409	4	2	945
0.0	+	0	6.50000+	5	0	0	4	0	409	4	2	946
3.75587-	2	1.35211-	1	8.04829-	3	0.0	+	0	409	4	2	947
0.0	+	0	6.75000+	5	0	0	4	0	409	4	2	948
5.35714-	2	7.14286-	2	1.02041-	3	0.0	+	0	409	4	2	949
0.0	+	0	7.70000+	5	0	0	2	0	409	4	2	950
6.28931-	2	2.64151-	2						409	4	2	951
0.0	+	0	7.80000+	5	0	0	4	0	409	4	2	952
6.41026-	2	2.30769-	2	2.74725-	3	0.0	+	0	409	4	2	953
0.0	+	0	7.90000+	5	0	0	2	0	409	4	2	954
6.28931-	2	1.88679-	2						409	4	2	955
0.0	+	0	8.00000+	5	0	0	4	0	409	4	2	956
5.66037-	2	1.50943-	2	5.39084-	3	0.0	+	0	409	4	2	957
0.0	+	0	8.05000+	5	0	0	4	0	409	4	2	958
4.59770-	2	2.41379-	2	4.92611-	3	0.0	+	0	409	4	2	959
0.0	+	0	8.10000+	5	0	0	4	0	409	4	2	960
7.90960-	2	2.71186-	2	7.26392-	3	0.0	+	0	409	4	2	961
0.0	+	0	8.15000+	5	0	0	4	0	409	4	2	962
1.16162-	1	3.03030-	2	8.65801-	3	0.0	+	0	409	4	2	963
0.0	+	0	8.20000+	5	0	0	4	0	409	4	2	964
1.46970-	1	3.63636-	2	9.52381-	3	0.0	+	0	409	4	2	965
0.0	+	0	8.25000+	5	0	0	4	0	409	4	2	966
1.61765-	1	2.94118-	2	6.30252-	3	0.0	+	0	409	4	2	967
0.0	+	0	8.30000+	5	0	0	4	0	409	4	2	968
2.09677-	1	4.19355-	2	4.60829-	3	0.0	+	0	409	4	2	969
0.0	+	0	8.40000+	5	0	0	4	0	409	4	2	970
1.50943-	1	2.26415-	2	8.08625-	3	0.0	+	0	409	4	2	971
0.0	+	0	8.60000+	5	0	0	4	0	409	4	2	972
1.37255-	1	2.35294-	2	5.60224-	3	0.0	+	0	409	4	2	973
0.0	+	0	9.05000+	5	0	0	4	0	409	4	2	974
1.30719-	1	1.56863-	2	5.60224-	3	0.0	+	0	409	4	2	975
0.0	+	0	9.30000+	5	0	0	2	0	409	4	2	976
1.73277-	1	0.0	+	0					409	4	2	977
0.0	+	0	1.04000+	6	0	0	2	0	409	4	2	978
1.80770-	1	0.0	+	0					409	4	2	979
0.0	+	0	1.14000+	6	0	0	2	0	409	4	2	980
1.86727-	1	3.18760-	2						409	4	2	981
0.0	+	0	1.24000+	6	0	0	2	0	409	4	2	982
1.98867-	1	3.80160-	2						409	4	2	983
0.0	+	0	1.34000+	6	0	0	2	0	409	4	2	984
2.02743-	1	3.78600-	2						409	4	2	985
0.0	+	0	1.44000+	6	0	0	2	0	409	4	2	986
2.12957-	1	3.81360-	2						409	4	2	987
0.0	+	0	1.54000+	6	0	0	2	0	409	4	2	988
2.04387-	1	4.69400-	2						409	4	2	989
0.0	+	0	1.65000+	6	0	0	2	0	409	4	2	990
1.94643-	1	6.58620-	2						409	4	2	991

0.0	+	0	1.75000+	6	0	0	2	0	409	4	2	992			
1.62967-	1	7.00700-	2						409	4	2	993			
0.0	+	0	1.85000+	6	0	0	2	0	409	4	2	994			
1.53043-	1	8.85120-	2						409	4	2	995			
0.0	+	0	1.95000+	6	0	0	2	0	409	4	2	996			
1.03170-	1	7.99300-	2						409	4	2	997			
0.0	+	0	2.05000+	6	0	0	2	0	409	4	2	998			
8.86567-	2	1.15796-	1						409	4	2	999			
0.0	+	0	2.15000+	6	0	0	2	0	409	4	2	1000			
6.68733-	2	1.28560-	1						409	4	2	1001			
0.0	+	0	2.25000+	6	0	0	4	0	409	4	2	1002			
8.87600-	2	1.70104-	1	2.66486-	2	0.0	+	0	409	4	2	1003			
0.0	+	0	2.48000+	6	0	0	4	0	409	4	2	1004			
1.01540-	1	2.53220-	1	5.10014-	2	1.49478-	2		409	4	2	1005			
0.0	+	0	2.63000+	6	0	0	4	0	409	4	2	1006			
2.08697-	1	2.94300-	1	9.49529-	2	1.51833-	2		409	4	2	1007			
0.0	+	0	2.77000+	6	0	0	4	0	409	4	2	1008			
3.86100-	1	3.35680-	1	1.21519-	1	1.00020-	2		409	4	2	1009			
0.0	+	0	2.97000+	6	0	0	4	0	409	4	2	1010			
3.30883-	1	3.13580-	1	1.36151-	1	9.12378-	3		409	4	2	1011			
0.0	+	0	3.00000+	6	0	0	4	0	409	4	2	1012			
3.13303-	1	3.09540-	1	1.37199-	1	8.92589-	3		409	4	2	1013			
0.0	+	0	3.35000+	6	0	0	4	0	409	4	2	1014			
3.66667-	1	3.05900-	1	1.20024-	1	5.47111-	3		409	4	2	1015			
0.0	+	0	3.50000+	6	0	0	4	0	409	4	2	1016			
3.78033-	1	3.10220-	1	1.20093-	1	1.91667-	3		409	4	2	1017			
0.0	+	0	3.55000+	6	0	0	4	0	409	4	2	1018			
3.90367-	1	3.08940-	1	1.13014-	1	2.71344-	3		409	4	2	1019			
0.0	+	0	3.65000+	6	0	0	4	0	409	4	2	1020			
3.96967-	1	3.08940-	1	1.16307-	1	7.55644-	3		409	4	2	1021			
0.0	+	0	3.75000+	6	0	0	4	0	409	4	2	1022			
4.04800-	1	3.12000-	1	1.13957-	1	7.73289-	3		409	4	2	1023			
0.0	+	0	4.10000+	6	0	0	4	0	409	4	2	1024			
4.06867-	1	2.94000-	1	8.56971-	2	0.0	+	0	409	4	2	1025			
0.0	+	0	5.00000+	6	0	0	4	0	409	4	2	1026			
4.98367-	1	3.17480-	1	1.11149-	1	0.0	+	0	409	4	2	1027			
0.0	+	0	6.00000+	6	0	0	4	0	409	4	2	1028			
5.32100-	1	3.70040-	1	1.61900-	1	4.17756-	2		409	4	2	1029			
0.0	+	0	6.97000+	6	0	0	6	0	409	4	2	1030			
6.08244-	1	4.20215-	1	2.18126-	1	6.47551-	2	1.11437-	2	2.15054-	3	409	4	2	1031
0.0	+	0	7.97000+	6	0	0	6	0	409	4	2	1032			
6.25999-	1	4.33987-	1	2.32649-	1	7.37110-	2	1.11903-	2	2.17865-	3	409	4	2	1033
0.0	+	0	8.96000+	6	0	0	6	0	409	4	2	1034			
6.43691-	1	4.50547-	1	2.53048-	1	8.93508-	2	1.34275-	2	1.68322-	3	409	4	2	1035
0.0	+	0	9.96000+	6	0	0	6	0	409	4	2	1036			
6.71087-	1	4.70276-	1	2.72928-	1	1.04359-	1	2.04922-	2	5.01487-	3	409	4	2	1037
0.0	+	0	1.09500+	7	0	0	6	0	409	4	2	1038			
6.86251-	1	4.86722-	1	2.92429-	1	1.22079-	1	2.65997-	2	6.05622-	3	409	4	2	1039
0.0	+	0	1.20400+	7	0	0	6	0	409	4	2	1040			
6.99880-	1	4.91236-	1	2.96176-	1	1.24316-	1	2.95755-	2	7.20288-	3	409	4	2	1041
0.0	+	0	1.29400+	7	0	0	6	0	409	4	2	1042			
7.18391-	1	5.08128-	1	3.11752-	1	1.37657-	1	3.58262-	2	8.99962-	3	409	4	2	1043
0.0	+	0	1.39400+	7	0	0	6	0	409	4	2	1044			
7.29551-	1	5.17386-	1	3.21649-	1	1.47828-	1	4.20356-	2	1.13820-	2	409	4	2	1045
0.0	+	0	1.49400+	7	0	0	6	0	409	4	2	1046			
7.44430-	1	5.24086-	1	3.24626-	1	1.46140-	1	3.93213-	2	8.63323-	3	409	4	2	1047
0.0	+	0	1.50000+	7	0	0	10	0	409	4	2	1048			
7.65461-	1	5.53280-	1	3.78863-	1	2.25975-	1	1.03277-	1	3.86996-	2	409	4	2	1049
1.17750-	2	3.15348-	3	7.59965-	4	1.65488-	4		409	4	2	1050			
0.0	+	0	1.60000+	7	0	0	10	0	409	4	2	1051			
7.79457-	1	5.68192-	1	3.91807-	1	2.39500-	1	1.15254-	1	4.51577-	2	409	4	2	1052
1.44680-	2	4.08465-	3	1.03873-	3	2.38880-	4		409	4	2	1053			

0.0	+	0	1.70000+	7	0	0	10	0	409	4	2	1054					
7.92273-	1	5.82669-	1	4.04687-	1	2.52558-	1	1.26934-	1	5.18286-	2	409	4	2	1055		
1.74253-	2	5.16640-	3	1.38098-	3	3.34046-	4					409	4	2	1056		
0.0	+	0	1.80000+	7	0	0	10	0	409	4	2	1057					
8.03979-	1	5.96562-	1	4.17417-	1	2.65133-	1	1.38257-	1	5.86631-	2	409	4	2	1058		
2.06328-	2	6.40261-	3	1.79243-	3	4.54474-	4					409	4	2	1059		
0.0	+	0	1.90000+	7	0	0	10	0	409	4	2	1060					
8.14587-	1	6.09827-	1	4.29928-	1	2.77212-	1	1.49214-	1	6.56283-	2	409	4	2	1061		
2.40780-	2	7.79624-	3	2.27856-	3	6.03626-	4					409	4	2	1062		
0.0	+	0	2.00000+	7	0	0	10	0	409	4	2	1063					
8.24242-	1	6.22468-	1	4.42147-	1	2.88854-	1	1.59839-	1	7.27153-	2	409	4	2	1064		
2.77621-	2	9.36288-	3	2.85627-	3	7.97664-	4					409	4	2	1065		
												409	4	0	1066		
4.00900+	3	8.93476+	0	0	0	1	0	0	409	4	6	1067					
0.0	+	0	8.93476+	0	0	2	0	0	409	4	6	1068					
0.0	+	0	0.0	+	0	0	1	20	409	4	6	1069					
		20	2	0	0	0	0	0	409	4	6	1070					
0.0	+	0	1.86803+	6	0	0	2	0	409	4	6	1071					
0.0	+	0	0.0	+	0	0			409	4	6	1072					
0.0	+	0	2.00000+	6	0	0	4	0	409	4	6	1073					
0.0	+	0	1.43673-	3	0.0	+	0-3.14594-	6				409	4	6	1074		
0.0	+	0	3.00000+	6	0	0	6	0	409	4	6	1075					
0.0	+	0	1.26246-	2	0.0	+	0-6.18763-	5	0.0	+	0-5.81050-	7	409	4	6	1076	
0.0	+	0	4.00000+	6	0	0	8	0	409	4	6	1077					
0.0	+	0	1.86676-	2	0.0	+	0-4.61965-	5	0.0	+	0	4.46580-	7	409	4	6	1078
0.0	+	0	-7.41161-	8					409	4	6	1079					
0.0	+	0	5.00000+	6	0	0	8	0	409	4	6	1080					
0.0	+	0	2.53982-	2	0.0	+	0-1.06918-	4	0.0	+	0-5.88682-	7	409	4	6	1081	
0.0	+	0	-1.63943-	7					409	4	6	1082					
0.0	+	0	6.00000+	6	0	0	8	0	409	4	6	1083					
0.0	+	0	3.27756-	2	0.0	+	0-9.06261-	5	0.0	+	0	2.18760-	7	409	4	6	1084
0.0	+	0	3.03423-	7					409	4	6	1085					
0.0	+	0	7.00000+	6	0	0	10	0	409	4	6	1086					
0.0	+	0	3.82042-	2	0.0	+	0	4.59209-	5	0.0	+	0-1.83954-	6	409	4	6	1087
0.0	+	0	3.65745-	7	0.0	+	0-1.05641-	7				409	4	6	1088		
0.0	+	0	8.00000+	6	0	0	10	0	409	4	6	1089					
0.0	+	0	4.16855-	2	0.0	+	0	6.56314-	5	0.0	+	0-1.46601-	6	409	4	6	1090
0.0	+	0	2.43612-	7	0.0	+	0-1.88953-	7				409	4	6	1091		
0.0	+	0	9.00000+	6	0	0	10	0	409	4	6	1092					
0.0	+	0	4.60764-	2	0.0	+	0	4.50120-	4	0.0	+	0-9.40454-	6	409	4	6	1093
0.0	+	0	7.04167-	7	0.0	+	0-1.28628-	7				409	4	6	1094		
0.0	+	0	1.00000+	7	0	0	12	0	409	4	6	1095					
0.0	+	0	5.08849-	2	0.0	+	0	8.53826-	4	0.0	+	0-2.17145-	5	409	4	6	1096
0.0	+	0	-2.52192-	7	0.0	+	0-2.93281-	7	0.0	+	0-6.14175-	8	409	4	6	1097	
0.0	+	0	1.10000+	7	0	0	12	0	409	4	6	1098					
0.0	+	0	5.59351-	2	0.0	+	0	1.25772-	3	0.0	+	0-3.70365-	5	409	4	6	1099
0.0	+	0	-1.62465-	6	0.0	+	0-4.90483-	7	0.0	+	0-9.64941-	8	409	4	6	1100	
0.0	+	0	1.20000+	7	0	0	12	0	409	4	6	1101					
0.0	+	0	6.09710-	2	0.0	+	0	1.75170-	3	0.0	+	0-5.09025-	5	409	4	6	1102
0.0	+	0	-1.31057-	6	0.0	+	0-2.76173-	7	0.0	+	0-1.80122-	7	409	4	6	1103	
0.0	+	0	1.30000+	7	0	0	12	0	409	4	6	1104					
0.0	+	0	6.48122-	2	0.0	+	0	2.00408-	3	0.0	+	0-7.38099-	5	409	4	6	1105
0.0	+	0	2.99575-	7	0.0	+	0-1.86844-	7	0.0	+	0-2.34644-	7	409	4	6	1106	
0.0	+	0	1.40000+	7	0	0	14	0	409	4	6	1107					
0.0	+	0	6.72830-	2	0.0	+	0	2.30616-	3	0.0	+	0-1.12186-	4	409	4	6	1108
0.0	+	0	-9.03153-	7	0.0	+	0	1.19428-	7	0.0	+	0-2.78398-	7	409	4	6	1109
0.0	+	0	-4.83959-	8					409	4	6	1110					
0.0	+	0	1.50000+	7	0	0	14	0	409	4	6	1111					
0.0	+	0	7.07137-	2	0.0	+	0	2.82878-	3	0.0	+	0-1.65274-	4	409	4	6	1112
0.0	+	0	-6.28090-	6	0.0	+	0	2.59185-	7	0.0	+	0-3.00861-	7	409	4	6	1113
0.0	+	0	-7.02693-	8					409	4	6	1114					
0.0	+	0	1.60000+	7	0	0	14	0	409	4	6	1115					

0.0	+ 0 7.39763-	2 0.0	+ 0 3.57593-	3 0.0	+ 0-2.03767-	4 409 4	6 1116
0.0	+ 0-1.12232-	5 0.0	+ 0 1.10321-	6 0.0	+ 0-1.23596-	7 409 4	6 1117
0.0	+ 0-9.62901-	8				409 4	6 1118
0.0	+ 0 1.70000+	7	0	0	14	0 409 4	6 1119
0.0	+ 0 7.84251-	2 0.0	+ 0 4.42109-	3 0.0	+ 0-2.37343-	4 409 4	6 1120
0.0	+ 0-1.93122-	5 0.0	+ 0 8.94349-	7 0.0	+ 0-1.63668-	7 409 4	6 1121
0.0	+ 0-1.27144-	7				409 4	6 1122
0.0	+ 0 1.80000+	7	0	0	14	0 409 4	6 1123
0.0	+ 0 8.20735-	2 0.0	+ 0 5.25568-	3 0.0	+ 0-2.56698-	4 409 4	6 1124
0.0	+ 0-2.83663-	5 0.0	+ 0 1.88823-	7 0.0	+ 0-2.96199-	7 409 4	6 1125
0.0	+ 0-1.72828-	7				409 4	6 1126
0.0	+ 0 1.90000+	7	0	0	14	0 409 4	6 1127
0.0	+ 0 8.56808-	2 0.0	+ 0 6.15355-	3 0.0	+ 0-2.61699-	4 409 4	6 1128
0.0	+ 0-3.84482-	5 0.0	+ 0-9.32086-	7 0.0	+ 0-5.00269-	7 409 4	6 1129
0.0	+ 0-2.29786-	7				409 4	6 1130
0.0	+ 0 2.00000+	7	0	0	16	0 409 4	6 1131
0.0	+ 0 8.93847-	2 0.0	+ 0 7.13973-	3 0.0	+ 0-2.51678-	4 409 4	6 1132
0.0	+ 0-4.98245-	5 0.0	+ 0-2.53637-	6 0.0	+ 0-8.81558-	7 409 4	6 1133
0.0	+ 0-4.01694-	7 0.0	+ 0-5.42928-	8		409 4	6 1134
						409 4	0 1135
4.00900+	3 8.93476+	0	0	1	0	0 409 4	7 1136
0.0	+ 0 8.93476+	0	0	2	0	0 409 4	7 1137
0.0	+ 0 0.0	+ 0	0	0	1	14 409 4	7 1138
	14	2	0	0	0	0 409 4	7 1139
0.0	+ 0 2.70086+	6	0	0	2	0 409 4	7 1140
0.0	+ 0 0.0	+ 0				409 4	7 1141
0.0	+ 0 3.90000+	6	0	0	2	0 409 4	7 1142
1.59463-	1 0.0	+ 0				409 4	7 1143
0.0	+ 0 4.50000+	6	0	0	2	0 409 4	7 1144
1.97223-	1 0.0	+ 0				409 4	7 1145
0.0	+ 0 6.40000+	6	0	0	2	0 409 4	7 1146
1.12870-	1 2.00869-	2				409 4	7 1147
0.0	+ 0 6.97000+	6	0	0	4	0 409 4	7 1148
8.65837-	2-3.31950-	4 4.29164-	2 0.0	+ 0		409 4	7 1149
0.0	+ 0 7.97000+	6	0	0	4	0 409 4	7 1150
1.13629-	1 8.32562-	4 3.33025-	2 0.0	+ 0		409 4	7 1151
0.0	+ 0 8.96000+	6	0	0	4	0 409 4	7 1152
1.30134-	1-5.99782-	3 2.81975-	2 0.0	+ 0		409 4	7 1153
0.0	+ 0 9.96000+	6	0	0	4	0 409 4	7 1154
1.62911-	1 1.64163-	2 1.76272-	2 0.0	+ 0		409 4	7 1155
0.0	+ 0 1.09500+	7	0	0	4	0 409 4	7 1156
1.81898-	1 1.70940-	2-3.38123-	3 0.0	+ 0		409 4	7 1157
0.0	+ 0 1.20400+	7	0	0	4	0 409 4	7 1158
2.26961-	1 2.50000-	2 8.08824-	3 0.0	+ 0		409 4	7 1159
0.0	+ 0 1.29400+	7	0	0	4	0 409 4	7 1160
2.14997-	1 1.75747-	2 1.45619-	2 0.0	+ 0		409 4	7 1161
0.0	+ 0 1.39400+	7	0	0	4	0 409 4	7 1162
2.43176-	1 2.87841-	2 1.47702-	2 0.0	+ 0		409 4	7 1163
0.0	+ 0 1.49400+	7	0	0	4	0 409 4	7 1164
3.21722-	1 8.80204-	2 3.95679-	2 0.0	+ 0		409 4	7 1165
0.0	+ 0 2.00000+	7	0	0	4	0 409 4	7 1166
3.21722-	1 8.80204-	2 3.95679-	2 0.0	+ 0		409 4	7 1167
						409 4	0 1168
4.00900+	3 8.93476+	0	0	1	0	0 409 4	8 1169
0.0	+ 0 8.93476+	0	0	2	0	0 409 4	8 1170
0.0	+ 0 0.0	+ 0	0	0	1	16 409 4	8 1171
	16	2	0	0	0	0 409 4	8 1172
0.0	+ 0 5.22604+	6	0	0	2	0 409 4	8 1173
0.0	+ 0 0.0	+ 0				409 4	8 1174
0.0	+ 0 6.00000+	6	0	0	6	0 409 4	8 1175
0.0	+ 0 1.12366-	2 0.0	+ 0 1.62718-	4 0.0	+ 0 1.80822-	7 409 4	8 1176
0.0	+ 0 7.00000+	6	0	0	6	0 409 4	8 1177

0.0	+ 0	2.11941-	2	0.0	+ 0	6.74085-	4	0.0	+ 0	1.88188-	6	409	4	8	1178
0.0	+ 0	8.00000+	6			0	0			8	0	409	4	8	1179
0.0	+ 0	2.80638-	2	0.0	+ 0	1.22371-	3	0.0	+ 0	9.05978-	6	409	4	8	1180
0.0	+ 0	3.78827-	8									409	4	8	1181
0.0	+ 0	9.00000+	6			0	0			8	0	409	4	8	1182
0.0	+ 0	3.34422-	2	0.0	+ 0	1.68358-	3	0.0	+ 0	2.03304-	5	409	4	8	1183
0.0	+ 0	1.22841-	7									409	4	8	1184
0.0	+ 0	1.00000+	7			0	0			10	0	409	4	8	1185
0.0	+ 0	3.78009-	2	0.0	+ 0	2.07245-	3	0.0	+ 0	4.06788-	5	409	4	8	1186
0.0	+ 0	9.28282-	7	0.0	+ 0	-2.00564-	8					409	4	8	1187
0.0	+ 0	1.10000+	7			0	0			10	0	409	4	8	1188
0.0	+ 0	4.15019-	2	0.0	+ 0	2.42216-	3	0.0	+ 0	6.78383-	5	409	4	8	1189
0.0	+ 0	1.89167-	6	0.0	+ 0	-2.98159-	8					409	4	8	1190
0.0	+ 0	1.20000+	7			0	0			10	0	409	4	8	1191
0.0	+ 0	4.47409-	2	0.0	+ 0	2.76705-	3	0.0	+ 0	1.05735-	4	409	4	8	1192
0.0	+ 0	3.45942-	6	0.0	+ 0	-2.85328-	8					409	4	8	1193
0.0	+ 0	1.30000+	7			0	0			12	0	409	4	8	1194
0.0	+ 0	4.68539-	2	0.0	+ 0	2.99497-	3	0.0	+ 0	1.49055-	4	409	4	8	1195
0.0	+ 0	6.22087-	6	0.0	+ 0	2.03186-	7	0.0	+ 0	-1.77773-	9	409	4	8	1196
0.0	+ 0	1.40000+	7			0	0			12	0	409	4	8	1197
0.0	+ 0	4.78781-	2	0.0	+ 0	3.20047-	3	0.0	+ 0	1.95708-	4	409	4	8	1198
0.0	+ 0	8.72812-	6	0.0	+ 0	3.88481-	7	0.0	+ 0	6.20467-	9	409	4	8	1199
0.0	+ 0	1.50000+	7			0	0			12	0	409	4	8	1200
0.0	+ 0	4.97247-	2	0.0	+ 0	3.47678-	3	0.0	+ 0	2.55307-	4	409	4	8	1201
0.0	+ 0	1.22861-	5	0.0	+ 0	6.00406-	7	0.0	+ 0	2.02888-	8	409	4	8	1202
0.0	+ 0	1.60000+	7			0	0			14	0	409	4	8	1203
0.0	+ 0	5.19849-	2	0.0	+ 0	3.85183-	3	0.0	+ 0	3.31447-	4	409	4	8	1204
0.0	+ 0	1.86295-	5	0.0	+ 0	1.14490-	6	0.0	+ 0	6.86658-	8	409	4	8	1205
0.0	+ 0	4.69966-	9									409	4	8	1206
0.0	+ 0	1.70000+	7			0	0			14	0	409	4	8	1207
0.0	+ 0	5.52211-	2	0.0	+ 0	4.31392-	3	0.0	+ 0	4.20569-	4	409	4	8	1208
0.0	+ 0	2.62329-	5	0.0	+ 0	1.70677-	6	0.0	+ 0	1.14824-	7	409	4	8	1209
0.0	+ 0	1.01358-	8									409	4	8	1210
0.0	+ 0	1.80000+	7			0	0			14	0	409	4	8	1211
0.0	+ 0	5.80213-	2	0.0	+ 0	4.77113-	3	0.0	+ 0	5.13857-	4	409	4	8	1212
0.0	+ 0	3.55814-	5	0.0	+ 0	2.46965-	6	0.0	+ 0	1.86460-	7	409	4	8	1213
0.0	+ 0	1.75127-	8									409	4	8	1214
0.0	+ 0	1.90000+	7			0	0			14	0	409	4	8	1215
0.0	+ 0	6.09390-	2	0.0	+ 0	5.27180-	3	0.0	+ 0	6.14985-	4	409	4	8	1216
0.0	+ 0	4.72212-	5	0.0	+ 0	3.51240-	6	0.0	+ 0	2.91951-	7	409	4	8	1217
0.0	+ 0	2.76725-	8									409	4	8	1218
0.0	+ 0	2.00000+	7			0	0			16	0	409	4	8	1219
0.0	+ 0	6.40985-	2	0.0	+ 0	5.83786-	3	0.0	+ 0	7.29675-	4	409	4	8	1220
0.0	+ 0	6.32594-	5	0.0	+ 0	5.35851-	6	0.0	+ 0	5.25609-	7	409	4	8	1221
0.0	+ 0	7.60919-	8	0.0	+ 0	5.73463-	9					409	4	8	1222
												409	4	0	1223
4.00900+	3	8.93476+	0			0	1			0	0	409	4	9	1224
0.0	+ 0	8.93476+	0			0	2			0	0	409	4	9	1225
0.0	+ 0	0.0	+ 0			0	0			1	14	409	4	9	1226
	14		2			0	0			0	0	409	4	9	1227
0.0	+ 0	7.56107+	6			0	0			2	0	409	4	9	1228
0.0	+ 0	0.0	+ 0									409	4	9	1229
0.0	+ 0	8.00000+	6			0	0			4	0	409	4	9	1230
0.0	+ 0	2.56712-	3	0.0	+ 0	4.13812-	5					409	4	9	1231
0.0	+ 0	9.00000+	6			0	0			6	0	409	4	9	1232
0.0	+ 0	4.15149-	3	0.0	+ 0	-1.06310-	4	0.0	+ 0	3.06221-	6	409	4	9	1233
0.0	+ 0	1.00000+	7			0	0			8	0	409	4	9	1234
0.0	+ 0	2.76660-	3	0.0	+ 0	-4.91910-	4	0.0	+ 0	6.85369-	6	409	4	9	1235
0.0	+ 0	3.03525-	7									409	4	9	1236
0.0	+ 0	1.10000+	7			0	0			8	0	409	4	9	1237
0.0	+ 0	1.71814-	3	0.0	+ 0	-7.40671-	4	0.0	+ 0	8.49971-	6	409	4	9	1238
0.0	+ 0	6.81590-	7									409	4	9	1239

0.0	+ 0	1.20000+ 7	0	0	10	0	409	4	9	1240
0.0	+ 0	2.20256- 3	0.0	+ 0-8.49198- 4	0.0	+ 0	7.30478- 6	409	4	9 1241
0.0	+ 0	1.02482- 6	0.0	+ 0	1.25495- 7			409	4	9 1242
0.0	+ 0	1.30000+ 7	0	0	0	10	0	409	4	9 1243
0.0	+ 0	2.98897- 3	0.0	+ 0-7.47832- 4	0.0	+ 0	7.08584- 6	409	4	9 1244
0.0	+ 0	1.82223- 6	0.0	+ 0	2.37587- 7			409	4	9 1245
0.0	+ 0	1.40000+ 7	0	0	0	10	0	409	4	9 1246
0.0	+ 0	4.44902- 3	0.0	+ 0-7.89123- 4	0.0	+ 0	1.13110- 5	409	4	9 1247
0.0	+ 0	3.30218- 6	0.0	+ 0	4.40120- 7			409	4	9 1248
0.0	+ 0	1.50000+ 7	0	0	0	12	0	409	4	9 1249
0.0	+ 0	5.15726- 3	0.0	+ 0-9.98504- 4	0.0	+ 0	1.12410- 5	409	4	9 1250
0.0	+ 0	4.16182- 6	0.0	+ 0	6.02383- 7	0.0	+ 0	8.69482- 8	409	4 9 1251
0.0	+ 0	1.60000+ 7	0	0	0	12	0	409	4	9 1252
0.0	+ 0	6.65860- 3	0.0	+ 0-1.25349- 3	0.0	+ 0	5.11440- 6	409	4	9 1253
0.0	+ 0	5.25804- 6	0.0	+ 0	8.95833- 7	0.0	+ 0	1.41867- 7	409	4 9 1254
0.0	+ 0	1.70000+ 7	0	0	0	12	0	409	4	9 1255
0.0	+ 0	8.24022- 3	0.0	+ 0-1.49807- 3	0.0	+ 0-9.59481- 6	409	4	9 1256	
0.0	+ 0	6.08189- 6	0.0	+ 0	1.16428- 6	0.0	+ 0	2.04523- 7	409	4 9 1257
0.0	+ 0	1.80000+ 7	0	0	0	14	0	409	4	9 1258
0.0	+ 0	9.99785- 3	0.0	+ 0-1.69259- 3	0.0	+ 0-3.42307- 5	409	4	9 1259	
0.0	+ 0	5.69240- 6	0.0	+ 0	1.08776- 6	0.0	+ 0	2.27688- 7	409	4 9 1260
0.0	+ 0	3.58512- 8						409	4	9 1261
0.0	+ 0	1.90000+ 7	0	0	0	14	0	409	4	9 1262
0.0	+ 0	1.18810- 2	0.0	+ 0-1.84749- 3	0.0	+ 0-6.46710- 5	409	4	9 1263	
0.0	+ 0	5.66654- 6	0.0	+ 0	1.24547- 6	0.0	+ 0	2.98967- 7	409	4 9 1264
0.0	+ 0	5.24275- 8						409	4	9 1265
0.0	+ 0	2.00000+ 7	0	0	0	14	0	409	4	9 1266
0.0	+ 0	1.38694- 2	0.0	+ 0-1.94844- 3	0.0	+ 0-9.61211- 5	409	4	9 1267	
0.0	+ 0	6.30913- 6	0.0	+ 0	1.60966- 6	0.0	+ 0	4.51978- 7	409	4 9 1268
0.0	+ 0	8.14158- 8						409	4	9 1269
								409	4	0 1270
4.00900+ 3	8.93476+ 0	0	0	2	0	0	0	409	4	16 1271
0.0	+ 0	8.93476+ 0	0	0	1	0	0	409	4	16 1272
0.0	+ 0	0.0 + 0	0	0	0	1	2	409	4	16 1273
	2	2	0	0	0	0	0	409	4	16 1274
0.0	+ 0	3.40248+ 6	0	0	1	2	2	409	4	16 1275
	2	2	0	0	0	0	0	409	4	16 1276
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0.0	+ 0	2.00000+ 7	0	0	1	2	2	409	4	16 1278
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								409	4	0 1281
4.00900+ 3	8.93476+ 0	0	0	2	0	0	0	409	4	24 1282
0.0	+ 0	8.93476+ 0	0	0	1	0	0	409	4	24 1283
0.0	+ 0	0.0 + 0	0	0	0	1	19	409	4	24 1284
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	3	2	0	0	0	0	0	409	4	24 1287
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0.0	+ 0	3.00000+ 6	0	0	1	21	21	409	4	24 1289
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2.00000- 1	5.01370- 1	3.00000- 1	5.85790- 1	4.00000- 1	5.98230- 1	409	4	24 1295		
5.00000- 1	6.12010- 1	6.00000- 1	6.24390- 1	7.00000- 1	6.39570- 1	409	4	24 1296		
8.00000- 1	6.52130- 1	9.00000- 1	7.50420- 1	1.00000+ 0	6.79200- 1	409	4	24 1297		
0.0	+ 0	4.00000+ 6	0	0	1	21	21	409	4	24 1298
	21	2	0	0	0	0	0	409	4	24 1299
-1.00000+ 0	2.82910- 1	-9.00000- 1	2.87670- 1	-8.00000- 1	3.29710- 1	409	4	24 1300		
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2.00000-	1	5.20300-	1 3.00000-	1	5.82250-	1 4.00000-	1	5.96620-	1	409	4	24	1304
5.00000-	1	6.12650-	1 6.00000-	1	6.81150-	1 7.00000-	1	6.44270-	1	409	4	24	1305
8.00000-	1	7.16700-	1 9.00000-	1	7.31670-	1 1.00000+	0	7.51600-	1	409	4	24	1306
0.0 + 0	5.00000+	6	0	0	0	1	21	409	4	24	1307		
21	2	0	0	0	0	0	0	409	4	24	1308		
-1.00000+	0	2.72610-	1-9.00000-	1	2.77410-	1-8.00000-	1	3.15850-	1	409	4	24	1309
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2.00000-	1	5.41010-	1 3.00000-	1	5.57890-	1 4.00000-	1	5.74320-	1	409	4	24	1313
5.00000-	1	6.36870-	1 6.00000-	1	7.03150-	1 7.00000-	1	6.74470-	1	409	4	24	1314
8.00000-	1	7.45290-	1 9.00000-	1	7.62010-	1 1.00000+	0	7.86520-	1	409	4	24	1315
0.0 + 0	6.00000+	6	0	0	1	21	409	4	24	1316			
21	2	0	0	0	0	0	0	409	4	24	1317		
-1.00000+	0	2.55890-	1-9.00000-	1	2.60490-	1-8.00000-	1	2.65790-	1	409	4	24	1318
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-1.00000-	1	4.63950-	1 0.0 + 0	0	4.76850-	1 1.00000-	1	5.29600-	1	409	4	24	1321
2.00000-	1	5.11020-	1 3.00000-	1	5.67180-	1 4.00000-	1	5.85520-	1	409	4	24	1322
5.00000-	1	6.48070-	1 6.00000-	1	7.14900-	1 7.00000-	1	6.90870-	1	409	4	24	1323
8.00000-	1	7.62990-	1 9.00000-	1	8.41190-	1 1.00000+	0	8.08800-	1	409	4	24	1324
0.0 + 0	7.00000+	6	0	0	1	21	409	4	24	1325			
21	2	0	0	0	0	0	0	409	4	24	1326		
-1.00000+	0	2.20070-	1-9.00000-	1	2.55350-	1-8.00000-	1	2.60610-	1	409	4	24	1327
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-1.00000-	1	4.19630-	1 0.0 + 0	0	4.69180-	1 1.00000-	1	4.83190-	1	409	4	24	1330
2.00000-	1	5.37770-	1 3.00000-	1	5.95670-	1 4.00000-	1	6.17000-	1	409	4	24	1331
5.00000-	1	6.82760-	1 6.00000-	1	7.06280-	1 7.00000-	1	7.36230-	1	409	4	24	1332
8.00000-	1	8.14510-	1 9.00000-	1	8.34900-	1 1.00000+	0	8.69350-	1	409	4	24	1333
0.0 + 0	8.00000+	6	0	0	1	21	409	4	24	1334			
21	2	0	0	0	0	0	0	409	4	24	1335		
-1.00000+	0	2.17510-	1-9.00000-	1	2.52470-	1-8.00000-	1	2.57770-	1	409	4	24	1336
-7.00000-	1	2.63360-	1-6.00000-	1	3.02140-	1-5.00000-	1	3.09160-	1	409	4	24	1337
-4.00000-	1	3.50950-	1-3.00000-	1	3.59760-	1-2.00000-	1	4.04980-	1	409	4	24	1338
-1.00000-	1	4.16130-	1 0.0 + 0	0	4.65520-	1 1.00000-	1	4.79650-	1	409	4	24	1339
2.00000-	1	5.34160-	1 3.00000-	1	5.52480-	1 4.00000-	1	6.13700-	1	409	4	24	1340
5.00000-	1	6.79700-	1 6.00000-	1	7.09230-	1 7.00000-	1	7.87830-	1	409	4	24	1341
8.00000-	1	8.13950-	1 9.00000-	1	9.02710-	1 1.00000+	0	8.71220-	1	409	4	24	1342
0.0 + 0	9.00000+	6	0	0	1	21	409	4	24	1343			
21	2	0	0	0	0	0	0	409	4	24	1344		
-1.00000+	0	2.14650-	1-9.00000-	1	2.18860-	1-8.00000-	1	2.54590-	1	409	4	24	1345
-7.00000-	1	2.60170-	1-6.00000-	1	2.98560-	1-5.00000-	1	3.05590-	1	409	4	24	1346
-4.00000-	1	3.46940-	1-3.00000-	1	3.55850-	1-2.00000-	1	4.00590-	1	409	4	24	1347
-1.00000-	1	4.11930-	1 0.0 + 0	0	4.61020-	1 1.00000-	1	4.75240-	1	409	4	24	1348
2.00000-	1	5.29540-	1 3.00000-	1	5.48010-	1 4.00000-	1	6.09140-	1	409	4	24	1349
5.00000-	1	6.75130-	1 6.00000-	1	7.05090-	1 7.00000-	1	7.84070-	1	409	4	24	1350
8.00000-	1	8.74270-	1 9.00000-	1	9.01430-	1 1.00000+	0	9.53400-	1	409	4	24	1351
0.0 + 0	1.00000+	7	0	0	1	21	409	4	24	1352			
21	2	0	0	0	0	0	0	409	4	24	1353		
-1.00000+	0	2.14730-	1-9.00000-	1	2.18950-	1-8.00000-	1	2.54760-	1	409	4	24	1354
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-4.00000-	1	3.13660-	1-3.00000-	1	3.56590-	1-2.00000-	1	3.66260-	1	409	4	24	1356
-1.00000-	1	4.13070-	1 0.0 + 0	0	4.25420-	1 1.00000-	1	4.76960-	1	409	4	24	1357
2.00000-	1	5.31700-	1 3.00000-	1	5.50530-	1 4.00000-	1	6.12320-	1	409	4	24	1358
5.00000-	1	6.79150-	1 6.00000-	1	7.09790-	1 7.00000-	1	7.90040-	1	409	4	24	1359
8.00000-	1	8.81940-	1 9.00000-	1	9.95770-	1 1.00000+	0	9.65780-	1	409	4	24	1360
0.0 + 0	1.10000+	7	0	0	1	21	409	4	24	1361			
21	2	0	0	0	0	0	0	409	4	24	1362		
-1.00000+	0	2.13630-	1-9.00000-	1	2.17990-	1-8.00000-	1	2.53520-	1	409	4	24	1363

-7.00000-	1	2.59380-	1	-6.00000-	1	2.65420-	1	-5.00000-	1	3.04990-	1	409	4	24	1364
-4.00000-	1	3.12660-	1	-3.00000-	1	3.55560-	1	-2.00000-	1	3.65300-	1	409	4	24	1365
-1.00000-	1	4.12130-	1	0.0	+ 0	4.24600-	1	1.00000-	1	4.76240-	1	409	4	24	1366
2.00000-	1	5.31080-	1	3.00000-	1	5.50190-	1	4.00000-	1	6.12310-	1	409	4	24	1367
5.00000-	1	6.78960-	1	6.00000-	1	7.10680-	1	7.00000-	1	7.91730-	1	409	4	24	1368
8.00000-	1	8.84960-	1	9.00000-	1	1.00000+	0	1.00000+	0	9.70930-	1	409	4	24	1369
0.0	+ 0	1.20000+	7		0		0		1		21	409	4	24	1370
	21		2		0		0		0		0	409	4	24	1371
-1.00000+	0	2.12990-	1	-9.00000-	1	2.17690-	1	-8.00000-	1	2.22480-	1	409	4	24	1372
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-1.00000-	1	4.12390-	1	0.0	+ 0	4.25000-	1	1.00000-	1	4.76840-	1	409	4	24	1375
2.00000-	1	4.93220-	1	3.00000-	1	5.51350-	1	4.00000-	1	6.13880-	1	409	4	24	1376
5.00000-	1	6.40060-	1	6.00000-	1	7.13400-	1	7.00000-	1	7.95300-	1	409	4	24	1377
8.00000-	1	8.89620-	1	9.00000-	1	1.00530+	0	1.00000+	0	1.14840+	0	409	4	24	1378
0.0	+ 0	1.30000+	7		0		0		1		21	409	4	24	1379
	21		2		0		0		0		0	409	4	24	1380
-1.00000+	0	2.11550-	1	-9.00000-	1	2.16770-	1	-8.00000-	1	2.21550-	1	409	4	24	1381
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-4.00000-	1	3.11530-	1	-3.00000-	1	3.54380-	1	-2.00000-	1	3.64370-	1	409	4	24	1383
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2.00000-	1	4.92450-	1	3.00000-	1	5.50730-	1	4.00000-	1	6.13450-	1	409	4	24	1385
5.00000-	1	6.39950-	1	6.00000-	1	7.13700-	1	7.00000-	1	7.96230-	1	409	4	24	1386
8.00000-	1	8.91510-	1	9.00000-	1	1.00970+	0	1.00000+	0	1.16120+	0	409	4	24	1387
0.0	+ 0	1.40000+	7		0		0		1		21	409	4	24	1388
	21		2		0		0		0		0	409	4	24	1389
-1.00000+	0	1.84490-	1	-9.00000-	1	2.18540-	1	-8.00000-	1	2.23410-	1	409	4	24	1390
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-4.00000-	1	3.14390-	1	-3.00000-	1	3.22920-	1	-2.00000-	1	3.67880-	1	409	4	24	1392
-1.00000-	1	3.78850-	1	0.0	+ 0	4.28340-	1	1.00000-	1	4.80930-	1	409	4	24	1393
2.00000-	1	4.97770-	1	3.00000-	1	5.56900-	1	4.00000-	1	6.20600-	1	409	4	24	1394
5.00000-	1	6.47670-	1	6.00000-	1	7.22710-	1	7.00000-	1	8.06850-	1	409	4	24	1395
8.00000-	1	9.04020-	1	9.00000-	1	1.02260+	0	1.00000+	0	1.18670+	0	409	4	24	1396
0.0	+ 0	1.50000+	7		0		0		1		21	409	4	24	1397
	21		2		0		0		0		0	409	4	24	1398
-1.00000+	0	1.85150-	1	-9.00000-	1	2.19340-	1	-8.00000-	1	2.24270-	1	409	4	24	1399
-7.00000-	1	2.29480-	1	-6.00000-	1	2.67660-	1	-5.00000-	1	2.74360-	1	409	4	24	1400
-4.00000-	1	3.15820-	1	-3.00000-	1	3.24430-	1	-2.00000-	1	3.69710-	1	409	4	24	1401
-1.00000-	1	3.80800-	1	0.0	+ 0	4.30680-	1	1.00000-	1	4.83620-	1	409	4	24	1402
2.00000-	1	5.00760-	1	3.00000-	1	5.60450-	1	4.00000-	1	6.24650-	1	409	4	24	1403
5.00000-	1	6.52350-	1	6.00000-	1	7.28310-	1	7.00000-	1	8.13560-	1	409	4	24	1404
8.00000-	1	9.12510-	1	9.00000-	1	9.91640-	1	1.00000+	0	1.20610+	0	409	4	24	1405
0.0	+ 0	1.60000+	7		0		0		1		21	409	4	24	1406
	21		2		0		0		0		0	409	4	24	1407
-1.00000+	0	1.85900-	1	-9.00000-	1	2.20320-	1	-8.00000-	1	2.25370-	1	409	4	24	1408
-7.00000-	1	2.30640-	1	-6.00000-	1	2.69050-	1	-5.00000-	1	2.75830-	1	409	4	24	1409
-4.00000-	1	3.17560-	1	-3.00000-	1	3.26290-	1	-2.00000-	1	3.71900-	1	409	4	24	1410
-1.00000-	1	3.83130-	1	0.0	+ 0	4.33440-	1	1.00000-	1	4.48060-	1	409	4	24	1411
2.00000-	1	5.04250-	1	3.00000-	1	5.64530-	1	4.00000-	1	5.87800-	1	409	4	24	1412
5.00000-	1	6.57620-	1	6.00000-	1	7.34490-	1	7.00000-	1	8.20970-	1	409	4	24	1413
8.00000-	1	9.21010-	1	9.00000-	1	1.00250+	0	1.00000+	0	1.22460+	0	409	4	24	1414
0.0	+ 0	1.70000+	7		0		0		1		21	409	4	24	1415
	21		2		0		0		0		0	409	4	24	1416
-1.00000+	0	1.87210-	1	-9.00000-	1	2.21150-	1	-8.00000-	1	2.26980-	1	409	4	24	1417
-7.00000-	1	2.32300-	1	-6.00000-	1	2.71040-	1	-5.00000-	1	2.77900-	1	409	4	24	1418
-4.00000-	1	3.19990-	1	-3.00000-	1	3.28850-	1	-2.00000-	1	3.74890-	1	409	4	24	1419
-1.00000-	1	3.86300-	1	0.0	+ 0	4.37120-	1	1.00000-	1	4.51950-	1	409	4	24	1420
2.00000-	1	5.08790-	1	3.00000-	1	5.69810-	1	4.00000-	1	5.93480-	1	409	4	24	1421
5.00000-	1	6.64220-	1	6.00000-	1	7.42250-	1	7.00000-	1	8.30100-	1	409	4	24	1422
8.00000-	1	9.31760-	1	9.00000-	1	1.01560+	0	1.00000+	0	1.04380+	0	409	4	24	1423
0.0	+ 0	1.80000+	7		0		0		1		21	409	4	24	1424
	21		2		0		0		0		0	409	4	24	1425

-1.00000+	0	1.87320-	1	-9.00000-	1	1.91220-	1	-8.00000-	1	2.27040-	1	409	4	24	1426	
-7.00000-	1	2.32380-	1	-6.00000-	1	2.71200-	1	-5.00000-	1	2.78080-	1	409	4	24	1427	
-4.00000-	1	3.20240-	1	-3.00000-	1	3.29150-	1	-2.00000-	1	3.75290-	1	409	4	24	1428	
-1.00000-	1	3.86790-	1	0.0	+ 0	4.37790-	1	1.00000-	1	4.52730-	1	409	4	24	1429	
2.00000-	1	5.09790-	1	3.00000-	1	5.71090-	1	4.00000-	1	5.95000-	1	409	4	24	1430	
5.00000-	1	6.66210-	1	6.00000-	1	7.44770-	1	7.00000-	1	8.33290-	1	409	4	24	1431	
8.00000-	1	9.36670-	1	9.00000-	1	1.02150+	0	1.00000+	0	1.05220+	0	409	4	24	1432	
0.0	+ 0	1.90000+	7			0		0		1		21	409	4	24	1433
	21		2			0		0		0		0	409	4	24	1434
-1.00000+	0	1.86750-	1	-9.00000-	1	1.90740-	1	-8.00000-	1	2.26520-	1	409	4	24	1435	
-7.00000-	1	2.31860-	1	-6.00000-	1	2.70570-	1	-5.00000-	1	2.77520-	1	409	4	24	1436	
-4.00000-	1	3.19100-	1	-3.00000-	1	3.28600-	1	-2.00000-	1	3.74650-	1	409	4	24	1437	
-1.00000-	1	3.86280-	1	0.0	+ 0	4.37300-	1	1.00000-	1	4.52320-	1	409	4	24	1438	
2.00000-	1	5.09470-	1	3.00000-	1	5.70930-	1	4.00000-	1	5.94950-	1	409	4	24	1439	
5.00000-	1	6.66350-	1	6.00000-	1	7.45290-	1	7.00000-	1	8.34280-	1	409	4	24	1440	
8.00000-	1	9.37530-	1	9.00000-	1	1.02420+	0	1.00000+	0	1.05620+	0	409	4	24	1441	
0.0	+ 0	2.00000+	7			0		0		1		21	409	4	24	1442
	21		2			0		0		0		0	409	4	24	1443
-1.00000+	0	1.87560-	1	-9.00000-	1	1.91680-	1	-8.00000-	1	2.27660-	1	409	4	24	1444	
-7.00000-	1	2.33060-	1	-6.00000-	1	2.71500-	1	-5.00000-	1	2.79040-	1	409	4	24	1445	
-4.00000-	1	2.86570-	1	-3.00000-	1	3.30480-	1	-2.00000-	1	3.40260-	1	409	4	24	1446	
-1.00000-	1	3.88600-	1	0.0	+ 0	4.40010-	1	1.00000-	1	4.55210-	1	409	4	24	1447	
2.00000-	1	5.12860-	1	3.00000-	1	5.74730-	1	4.00000-	1	5.99220-	1	409	4	24	1448	
5.00000-	1	6.71370-	1	6.00000-	1	7.51100-	1	7.00000-	1	8.41360-	1	409	4	24	1449	
8.00000-	1	9.43640-	1	9.00000-	1	1.03450+	0	1.00000+	0	1.06690+	0	409	4	24	1450	
													409	4	0	1451
4.00900+	3	8.93476+	0			0		2		0		0	409	4	46	1452
0.0	+ 0	8.93476+	0			0		1		0		0	409	4	46	1453
0.0	+ 0	0.0	+ 0			0		0		1		20	409	4	46	1454
	20		2			0		0		0		0	409	4	46	1455
0.0	+ 0	1.86803+	6			0		0		1		3	409	4	46	1456
	3		2			0		0		0		0	409	4	46	1457
-1.00000+	0	5.00000-	1	0.0	+ 0	5.00000-	1	1.00000+	0	5.00000-	1	409	4	46	1458	
0.0	+ 0	2.00000+	6			0		0		1		21	409	4	46	1459
	21		2			0		0		0		0	409	4	46	1460
-1.00000+	0	0.0	+ 0	-9.00000-	1	0.0	+ 0	-8.00000-	1	0.0	+ 0	409	4	46	1461	
-7.00000-	1	0.0	+ 0	-6.00000-	1	0.0	+ 0	-5.00000-	1	0.0	+ 0	409	4	46	1462	
-4.00000-	1	0.0	+ 0	-3.00000-	1	0.0	+ 0	-2.00000-	1	0.0	+ 0	409	4	46	1463	
-1.00000-	1	0.0	+ 0	0.0	+ 0	0.0	+ 0	1.00000-	1	5.74830-	2	409	4	46	1464	
2.00000-	1	6.01800-	2	3.00000-	1	1.47980-	1	4.00000-	1	3.78610-	1	409	4	46	1465	
5.00000-	1	5.44910-	1	6.00000-	1	9.17730-	1	7.00000-	1	1.60060+	0	409	4	46	1466	
8.00000-	1	2.54350+	0	9.00000-	1	2.42760+	0	1.00000+	0	2.64290+	0	409	4	46	1467	
0.0	+ 0	3.00000+	6			0		0		1		21	409	4	46	1468
	21		2			0		0		0		0	409	4	46	1469
-1.00000+	0	0.0	+ 0	-9.00000-	1	0.0	+ 0	-8.00000-	1	0.0	+ 0	409	4	46	1470	
-7.00000-	1	0.0	+ 0	-6.00000-	1	0.0	+ 0	-5.00000-	1	0.0	+ 0	409	4	46	1471	
-4.00000-	1	0.0	+ 0	-3.00000-	1	3.24830-	2	-2.00000-	1	3.35960-	2	409	4	46	1472	
-1.00000-	1	3.48280-	2	0.0	+ 0	8.28410-	2	1.00000-	1	1.42400-	1	409	4	46	1473	
2.00000-	1	1.50310-	1	3.00000-	1	2.99260-	1	4.00000-	1	4.01650-	1	409	4	46	1474	
5.00000-	1	5.26370-	1	6.00000-	1	7.82310-	1	7.00000-	1	1.11040+	0	409	4	46	1475	
8.00000-	1	1.67780+	0	9.00000-	1	2.52300+	0	1.00000+	0	4.40540+	0	409	4	46	1476	
0.0	+ 0	4.00000+	6			0		0		1		21	409	4	46	1477
	21		2			0		0		0		0	409	4	46	1478
-1.00000+	0	0.0	+ 0	-9.00000-	1	0.0	+ 0	-8.00000-	1	0.0	+ 0	409	4	46	1479	
-7.00000-	1	0.0	+ 0	-6.00000-	1	0.0	+ 0	-5.00000-	1	0.0	+ 0	409	4	46	1480	
-4.00000-	1	3.13160-	2	-3.00000-	1	3.23260-	2	-2.00000-	1	3.34380-	2	409	4	46	1481	
-1.00000-	1	7.89690-	2	0.0	+ 0	8.24210-	2	1.00000-	1	1.41590-	1	409	4	46	1482	
2.00000-	1	2.12650-	1	3.00000-	1	2.97320-	1	4.00000-	1	3.98770-	1	409	4	46	1483	
5.00000-	1	6.11090-	1	6.00000-	1	8.70000-	1	7.00000-	1	1.20600+	0	409	4	46	1484	
8.00000-	1	1.65600+	0	9.00000-	1	2.47330+	0	1.00000+	0	3.74980+	0	409	4	46	1485	
0.0	+ 0	5.00000+	6			0		0		1		21	409	4	46	1486
	21		2			0		0		0		0	409	4	46	1487

-1.00000+	0	0.0	+	0-9.00000-	1	0.0	+	0-8.00000-	1	0.0	+	0	409	4	46	1488
-7.00000-	1	0.0	+	0-6.00000-	1	0.0	+	0-5.00000-	1	0.0	+	0	409	4	46	1489
-4.00000-	1	3.27620-	2	-3.00000-	1	3.38130-	2	-2.00000-	1	3.49780-	2	409	4	46	1490	
-1.00000-	1	8.26040-	2	0.0	+	0	8.62120-	2	1.00000-	1	1.48100-	1	409	4	46	1491
2.00000-	1	2.22420-	1	3.00000-	1	3.10960-	1	4.00000-	1	4.17070-	1	409	4	46	1492	
5.00000-	1	6.39150-	1	6.00000-	1	9.11620-	1	7.00000-	1	1.26120+	0	409	4	46	1493	
8.00000-	1	1.73090+	0	9.00000-	1	2.58310+	0	1.00000+	0	3.01010+	0	409	4	46	1494	
0.0	+	0	6.00000+	6	0	0	0	1	21	409	4	46	1495			
	21	2	0	0	0	0	0	0	0	409	4	46	1496			
-1.00000+	0	0.0	+	0-9.00000-	1	0.0	+	0-8.00000-	1	0.0	+	0	409	4	46	1497
-7.00000-	1	0.0	+	0-6.00000-	1	0.0	+	0-5.00000-	1	0.0	+	0	409	4	46	1498
-4.00000-	1	3.39320-	2	-3.00000-	1	3.50180-	2	-2.00000-	1	3.62230-	2	409	4	46	1499	
-1.00000-	1	8.54870-	2	0.0	+	0	8.92910-	2	1.00000-	1	1.53410-	1	409	4	46	1500
2.00000-	1	2.30440-	1	3.00000-	1	3.22180-	1	4.00000-	1	4.32140-	1	409	4	46	1501	
5.00000-	1	6.62350-	1	6.00000-	1	8.40330-	1	7.00000-	1	1.33590+	0	409	4	46	1502	
8.00000-	1	1.79060+	0	9.00000-	1	2.67770+	0	1.00000+	0	2.60610+	0	409	4	46	1503	
0.0	+	0	7.00000+	6	0	0	0	1	21	409	4	46	1504			
	21	2	0	0	0	0	0	0	0	409	4	46	1505			
-1.00000+	0	0.0	+	0-9.00000-	1	0.0	+	0-8.00000-	1	0.0	+	0	409	4	46	1506
-7.00000-	1	0.0	+	0-6.00000-	1	0.0	+	0-5.00000-	1	0.0	+	0	409	4	46	1507
-4.00000-	1	0.0	+	0-3.00000-	1	3.57360-	2	-2.00000-	1	3.69650-	2	409	4	46	1508	
-1.00000-	1	3.83270-	2	0.0	+	0	9.11290-	2	1.00000-	1	1.56600-	1	409	4	46	1509
2.00000-	1	2.35220-	1	3.00000-	1	3.28960-	1	4.00000-	1	4.41330-	1	409	4	46	1510	
5.00000-	1	6.76540-	1	6.00000-	1	8.58640-	1	7.00000-	1	1.33590+	0	409	4	46	1511	
8.00000-	1	1.83090+	0	9.00000-	1	2.74860+	0	1.00000+	0	2.37030+	0	409	4	46	1512	
0.0	+	0	8.00000+	6	0	0	0	1	21	409	4	46	1513			
	21	2	0	0	0	0	0	0	0	409	4	46	1514			
-1.00000+	0	0.0	+	0-9.00000-	1	0.0	+	0-8.00000-	1	0.0	+	0	409	4	46	1515
-7.00000-	1	0.0	+	0-6.00000-	1	0.0	+	0-5.00000-	1	0.0	+	0	409	4	46	1516
-4.00000-	1	0.0	+	0-3.00000-	1	3.79480-	2	-2.00000-	1	3.92490-	2	409	4	46	1517	
-1.00000-	1	4.06930-	2	0.0	+	0	9.67720-	2	1.00000-	1	1.66300-	1	409	4	46	1518
2.00000-	1	2.49870-	1	3.00000-	1	3.49510-	1	4.00000-	1	4.68970-	1	409	4	46	1519	
5.00000-	1	7.18740-	1	6.00000-	1	9.12950-	1	7.00000-	1	1.37140+	0	409	4	46	1520	
8.00000-	1	1.94380+	0	9.00000-	1	2.37370+	0	1.00000+	0	2.46010+	0	409	4	46	1521	
0.0	+	0	9.00000+	6	0	0	0	1	21	409	4	46	1522			
	21	2	0	0	0	0	0	0	0	409	4	46	1523			
-1.00000+	0	0.0	+	0-9.00000-	1	0.0	+	0-8.00000-	1	0.0	+	0	409	4	46	1524
-7.00000-	1	0.0	+	0-6.00000-	1	0.0	+	0-5.00000-	1	0.0	+	0	409	4	46	1525
-4.00000-	1	0.0	+	0-3.00000-	1	4.02940-	2	-2.00000-	1	4.16730-	2	409	4	46	1526	
-1.00000-	1	4.32040-	2	0.0	+	0	1.02760-	1	1.00000-	1	1.76640-	1	409	4	46	1527
2.00000-	1	1.86470-	1	3.00000-	1	3.71180-	1	4.00000-	1	4.98310-	1	409	4	46	1528	
5.00000-	1	6.53060-	1	6.00000-	1	9.70680-	1	7.00000-	1	1.37370+	0	409	4	46	1529	
8.00000-	1	2.07280+	0	9.00000-	1	2.32170+	0	1.00000+	0	2.29510+	0	409	4	46	1530	
0.0	+	0	1.00000+	7	0	0	0	1	21	409	4	46	1531			
	21	2	0	0	0	0	0	0	0	409	4	46	1532			
-1.00000+	0	0.0	+	0-9.00000-	1	0.0	+	0-8.00000-	1	0.0	+	0	409	4	46	1533
-7.00000-	1	0.0	+	0-6.00000-	1	0.0	+	0-5.00000-	1	0.0	+	0	409	4	46	1534
-4.00000-	1	0.0	+	0-3.00000-	1	4.08020-	2	-2.00000-	1	4.21940-	2	409	4	46	1535	
-1.00000-	1	4.37400-	2	0.0	+	0	1.04060-	1	1.00000-	1	1.78880-	1	409	4	46	1536
2.00000-	1	1.88830-	1	3.00000-	1	2.86220-	1	4.00000-	1	5.04850-	1	409	4	46	1537	
5.00000-	1	6.61790-	1	6.00000-	1	9.84020-	1	7.00000-	1	1.39110+	0	409	4	46	1538	
8.00000-	1	2.09600+	0	9.00000-	1	2.34390+	0	1.00000+	0	2.26720+	0	409	4	46	1539	
0.0	+	0	1.10000+	7	0	0	0	1	21	409	4	46	1540			
	21	2	0	0	0	0	0	0	0	409	4	46	1541			
-1.00000+	0	0.0	+	0-9.00000-	1	0.0	+	0-8.00000-	1	0.0	+	0	409	4	46	1542
-7.00000-	1	0.0	+	0-6.00000-	1	0.0	+	0-5.00000-	1	0.0	+	0	409	4	46	1543
-4.00000-	1	0.0	+	0-3.00000-	1	4.23450-	2	-2.00000-	1	4.37970-	2	409	4	46	1544	
-1.00000-	1	4.54010-	2	0.0	+	0	1.08030-	1	1.00000-	1	1.13150-	1	409	4	46	1545
2.00000-	1	1.96050-	1	3.00000-	1	2.97190-	1	4.00000-	1	5.24420-	1	409	4	46	1546	
5.00000-	1	6.87520-	1	6.00000-	1	1.02190+	0	7.00000-	1	1.44840+	0	409	4	46	1547	
8.00000-	1	2.17770+	0	9.00000-	1	2.20740+	0	1.00000+	0	2.17320+	0	409	4	46	1548	
0.0	+	0	1.20000+	7	0	0	0	1	21	409	4	46	1549			

21	2	0	0	0	0	0	0	409	4	46	1550
-1.00000+	0 0.0	+ 0-9.00000-	1 0.0	+ 0-8.00000-	1 0.0	+ 0 409	4	46	1551		
-7.00000-	1 0.0	+ 0-6.00000-	1 0.0	+ 0-5.00000-	1 0.0	+ 0 409	4	46	1552		
-4.00000-	1 0.0	+ 0-3.00000-	1 4.21470-	2-2.00000-	1 4.35920-	2 409	4	46	1553		
-1.00000-	1 4.51840-	2 0.0	+ 0 1.07540-	1 1.00000-	1 1.12630-	1 409	4	46	1554		
2.00000-	1 1.95160-	1 3.00000-	1 2.95890-	1 4.00000-	1 5.22270-	1 409	4	46	1555		
5.00000-	1 6.84810-	1 6.00000-	1 1.01770+	0 7.00000-	1 1.44350+	0 409	4	46	1556		
8.00000-	1 2.17550+	0 9.00000-	1 2.22330+	0 1.00000+	0 2.18160+	0 409	4	46	1557		
0.0	+ 0 1.30000+	7	0	0	1	21	409	4	46	1558	
21	2	0	0	0	0	0	0	409	4	46	1559
-1.00000+	0 0.0	+ 0-9.00000-	1 0.0	+ 0-8.00000-	1 0.0	+ 0 409	4	46	1560		
-7.00000-	1 0.0	+ 0-6.00000-	1 0.0	+ 0-5.00000-	1 0.0	+ 0 409	4	46	1561		
-4.00000-	1 0.0	+ 0-3.00000-	1 0.0	+ 0-2.00000-	1 4.56110-	2 409	4	46	1562		
-1.00000-	1 4.72740-	2 0.0	+ 0 1.12520-	1 1.00000-	1 1.17840-	1 409	4	46	1563		
2.00000-	1 2.04250-	1 3.00000-	1 3.09680-	1 4.00000-	1 5.46720-	1 409	4	46	1564		
5.00000-	1 7.17060-	1 6.00000-	1 1.06670+	0 7.00000-	1 1.50740+	0 409	4	46	1565		
8.00000-	1 1.99500+	0 9.00000-	1 2.23060+	0 1.00000+	0 2.19870+	0 409	4	46	1566		
0.0	+ 0 1.40000+	7	0	0	1	21	409	4	46	1567	
21	2	0	0	0	0	0	0	409	4	46	1568
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-7.00000-	1 0.0	+ 0-6.00000-	1 0.0	+ 0-5.00000-	1 0.0	+ 0 409	4	46	1570		
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2.00000-	1 2.11260-	1 3.00000-	1 3.20370-	1 4.00000-	1 5.65470-	1 409	4	46	1573		
5.00000-	1 7.42070-	1 6.00000-	1 1.10320+	0 7.00000-	1 1.55820+	0 409	4	46	1574		
8.00000-	1 2.06020+	0 9.00000-	1 2.06040+	0 1.00000+	0 2.08890+	0 409	4	46	1575		
0.0	+ 0 1.50000+	7	0	0	1	21	409	4	46	1576	
21	2	0	0	0	0	0	0	409	4	46	1577
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2.00000-	1 2.15050-	1 3.00000-	1 3.26120-	1 4.00000-	1 5.75020-	1 409	4	46	1582		
5.00000-	1 7.55700-	1 6.00000-	1 1.12260+	0 7.00000-	1 1.58670+	0 409	4	46	1583		
8.00000-	1 1.91530+	0 9.00000-	1 2.09780+	0 1.00000+	0 2.13110+	0 409	4	46	1584		
0.0	+ 0 1.60000+	7	0	0	1	21	409	4	46	1585	
21	2	0	0	0	0	0	0	409	4	46	1586
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2.00000-	1 2.16720-	1 3.00000-	1 3.28740-	1 4.00000-	1 4.64990-	1 409	4	46	1591		
5.00000-	1 7.61970-	1 6.00000-	1 1.13080+	0 7.00000-	1 1.60070+	0 409	4	46	1592		
8.00000-	1 1.93280+	0 9.00000-	1 2.14380+	0 1.00000+	0 2.15340+	0 409	4	46	1593		
0.0	+ 0 1.70000+	7	0	0	1	21	409	4	46	1594	
21	2	0	0	0	0	0	0	409	4	46	1595
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2.00000-	1 2.18970-	1 3.00000-	1 3.32150-	1 4.00000-	1 4.69880-	1 409	4	46	1600		
5.00000-	1 7.70170-	1 6.00000-	1 1.13960+	0 7.00000-	1 1.62110+	0 409	4	46	1601		
8.00000-	1 1.95760+	0 9.00000-	1 2.16080+	0 1.00000+	0 2.10260+	0 409	4	46	1602		
0.0	+ 0 1.80000+	7	0	0	1	21	409	4	46	1603	
21	2	0	0	0	0	0	0	409	4	46	1604
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2.00000-	1 2.28990-	1 3.00000-	1 3.47380-	1 4.00000-	1 4.91460-	1 409	4	46	1609		
5.00000-	1 8.05700-	1 6.00000-	1 1.19020+	0 7.00000-	1 1.70110+	0 409	4	46	1610		
8.00000-	1 1.96390+	0 9.00000-	1 1.98790+	0 1.00000+	0 1.98460+	0 409	4	46	1611		

0.0	+ 0	1.90000+	7	0	0	1	21	409	4	46	1612				
	21		2	0	0	0	0	409	4	46	1613				
-1.00000+	0	0.0	+ 0-9.00000-	1	0.0	+ 0-8.00000-	1	0.0	+ 0	409	4	46	1614		
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2.00000-	1	2.33410-	1	3.00000-	1	3.54130-	1	4.00000-	1	5.01100-	1	409	4	46	1618
5.00000-	1	8.21640-	1	6.00000-	1	1.21230+	0	7.00000-	1	1.72840+	0	409	4	46	1619
8.00000-	1	1.79510+	0	9.00000-	1	2.03610+	0	1.00000+	0	2.04220+	0	409	4	46	1620
0.0	+ 0	2.00000+	7	0	0	1	21	409	4	46	1621				
	21		2	0	0	0	0	409	4	46	1622				
-1.00000+	0	0.0	+ 0-9.00000-	1	0.0	+ 0-8.00000-	1	0.0	+ 0	409	4	46	1623		
-7.00000-	1	0.0	+ 0-6.00000-	1	0.0	+ 0-5.00000-	1	0.0	+ 0	409	4	46	1624		
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-1.00000-	1	5.41430-	2	0.0	+ 0	5.62560-	2	1.00000-	1	1.35040-	1	409	4	46	1626
2.00000-	1	2.34190-	1	3.00000-	1	3.55350-	1	4.00000-	1	5.02820-	1	409	4	46	1627
5.00000-	1	8.24590-	1	6.00000-	1	1.21590+	0	7.00000-	1	1.73170+	0	409	4	46	1628
8.00000-	1	1.79720+	0	9.00000-	1	2.01850+	0	1.00000+	0	2.04420+	0	409	4	46	1629
												409	4	0	1630
4.00900+	3	8.93476+	0	0	2	0	0	409	4	47	1631				
0.0	+ 0	8.93476+	0	0	1	0	0	409	4	47	1632				
0.0	+ 0	0.0	+ 0	0	0	1	19	409	4	47	1633				
	19		2	0	0	0	0	409	4	47	1634				
0.0	+ 0	2.70086+	6	0	0	1	3	409	4	47	1635				
	3		2	0	0	0	0	409	4	47	1636				
-1.00000+	0	5.00000-	1	0.0	+ 0	5.00000-	1	1.00000+	0	5.00000-	1	409	4	47	1637
0.0	+ 0	3.00000+	6	0	0	1	21	409	4	47	1638				
	21		2	0	0	0	0	409	4	47	1639				
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2.00000-	1	4.70060-	1	3.00000-	1	6.40280-	1	4.00000-	1	4.90750-	1	409	4	47	1644
5.00000-	1	6.68770-	1	6.00000-	1	6.82090-	1	7.00000-	1	6.98750-	1	409	4	47	1645
8.00000-	1	7.13210-	1	9.00000-	1	7.26940-	1	1.00000+	0	7.41520-	1	409	4	47	1646
0.0	+ 0	4.00000+	6	0	0	1	21	409	4	47	1647				
	21		2	0	0	0	0	409	4	47	1648				
-1.00000+	0	3.23930-	1-9.00000-	1	2.70490-	1-8.00000-	1	3.47110-	1	409	4	47	1649		
-7.00000-	1	3.53980-	1-6.00000-	1	3.60900-	1-5.00000-	1	3.73350-	1	409	4	47	1650		
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-1.00000-	1	4.94150-	1	0.0	+ 0	4.22480-	1	1.00000-	1	5.19770-	1	409	4	47	1652
2.00000-	1	5.33130-	1	3.00000-	1	5.46660-	1	4.00000-	1	5.60200-	1	409	4	47	1653
5.00000-	1	6.70170-	1	6.00000-	1	5.89060-	1	7.00000-	1	7.05280-	1	409	4	47	1654
8.00000-	1	7.21860-	1	9.00000-	1	7.38260-	1	1.00000+	0	7.57800-	1	409	4	47	1655
0.0	+ 0	5.00000+	6	0	0	1	21	409	4	47	1656				
	21		2	0	0	0	0	409	4	47	1657				
-1.00000+	0	2.58950-	1-9.00000-	1	3.20290-	1-8.00000-	1	2.76700-	1	409	4	47	1658		
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-1.00000-	1	4.02190-	1	0.0	+ 0	4.82500-	1	1.00000-	1	5.67120-	1	409	4	47	1661
2.00000-	1	5.10720-	1	3.00000-	1	6.00470-	1	4.00000-	1	6.17360-	1	409	4	47	1662
5.00000-	1	6.36160-	1	6.00000-	1	6.53530-	1	7.00000-	1	6.70850-	1	409	4	47	1663
8.00000-	1	7.77480-	1	9.00000-	1	7.97290-	1	1.00000+	0	7.26460-	1	409	4	47	1664
0.0	+ 0	6.00000+	6	0	0	1	21	409	4	47	1665				
	21		2	0	0	0	0	409	4	47	1666				
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-1.00000-	1	4.20210-	1	0.0	+ 0	4.94930-	1	1.00000-	1	5.09500-	1	409	4	47	1670
2.00000-	1	5.26620-	1	3.00000-	1	6.11070-	1	4.00000-	1	5.60430-	1	409	4	47	1671
5.00000-	1	6.50880-	1	6.00000-	1	6.70410-	1	7.00000-	1	7.69670-	1	409	4	47	1672
8.00000-	1	7.92220-	1	9.00000-	1	8.13990-	1	1.00000+	0	8.43120-	1	409	4	47	1673

0.0	+ 0	7.00000+	6	0	0	1	21	409	4	47	1674		
	21		2	0	0	0	0	409	4	47	1675		
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2.00000-	1	5.57720-	1 3.00000-	1	5.76640-	1 4.00000-	1	5.96770-	1	409	4	47	1680
5.00000-	1	6.86440-	1 6.00000-	1	7.09010-	1 7.00000-	1	7.31550-	1	409	4	47	1681
8.00000-	1	8.34710-	1 9.00000-	1	7.85660-	1 1.00000+	0	8.05940-	1	409	4	47	1682
0.0	+ 0	8.00000+	6	0	0	1	21	409	4	47	1683		
	21		2	0	0	0	0	409	4	47	1684		
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2.00000-	1	5.42320-	1 3.00000-	1	5.63590-	1 4.00000-	1	6.49420-	1	409	4	47	1689
5.00000-	1	6.72900-	1 6.00000-	1	7.68470-	1 7.00000-	1	7.25130-	1	409	4	47	1690
8.00000-	1	7.50220-	1 9.00000-	1	8.59620-	1 1.00000+	0	8.84230-	1	409	4	47	1691
0.0	+ 0	9.00000+	6	0	0	1	21	409	4	47	1692		
	21		2	0	0	0	0	409	4	47	1693		
-1.00000+	0	2.21520-	1-9.00000-	1	2.26360-	1-8.00000-	1	2.75950-	1	409	4	47	1694
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2.00000-	1	5.24250-	1 3.00000-	1	6.05150-	1 4.00000-	1	6.29390-	1	409	4	47	1698
5.00000-	1	7.19760-	1 6.00000-	1	6.80730-	1 7.00000-	1	7.80800-	1	409	4	47	1699
8.00000-	1	8.10140-	1 9.00000-	1	8.40110-	1 1.00000+	0	9.53730-	1	409	4	47	1700
0.0	+ 0	1.00000+	7	0	0	1	21	409	4	47	1701		
	21		2	0	0	0	0	409	4	47	1702		
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2.00000-	1	5.61580-	1 3.00000-	1	5.87060-	1 4.00000-	1	6.72500-	1	409	4	47	1707
5.00000-	1	6.37510-	1 6.00000-	1	7.32160-	1 7.00000-	1	7.61700-	1	409	4	47	1708
8.00000-	1	8.70370-	1 9.00000-	1	9.05320-	1 1.00000+	0	9.35410-	1	409	4	47	1709
0.0	+ 0	1.10000+	7	0	0	1	21	409	4	47	1710		
	21		2	0	0	0	0	409	4	47	1711		
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2.00000-	1	5.52940-	1 3.00000-	1	6.34290-	1 4.00000-	1	6.03540-	1	409	4	47	1716
5.00000-	1	6.94040-	1 6.00000-	1	7.24420-	1 7.00000-	1	8.28510-	1	409	4	47	1717
8.00000-	1	8.63930-	1 9.00000-	1	9.00290-	1 1.00000+	0	9.32300-	1	409	4	47	1718
0.0	+ 0	1.20000+	7	0	0	1	21	409	4	47	1719		
	21		2	0	0	0	0	409	4	47	1720		
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2.00000-	1	5.88010-	1 3.00000-	1	5.62630-	1 4.00000-	1	6.47870-	1	409	4	47	1725
5.00000-	1	6.79350-	1 6.00000-	1	7.77630-	1 7.00000-	1	8.13240-	1	409	4	47	1726
8.00000-	1	8.49380-	1 9.00000-	1	9.71270-	1 1.00000+	0	1.00840+	0	409	4	47	1727
0.0	+ 0	1.30000+	7	0	0	1	21	409	4	47	1728		
	21		2	0	0	0	0	409	4	47	1729		
-1.00000+	0	1.61430-	1-9.00000-	1	1.65030-	1-8.00000-	1	2.08340-	1	409	4	47	1730
-7.00000-	1	2.13850-	1-6.00000-	1	2.19800-	1-5.00000-	1	2.69220-	1	409	4	47	1731
-4.00000-	1	2.77480-	1-3.00000-	1	3.32480-	1-2.00000-	1	3.91550-	1	409	4	47	1732
-1.00000-	1	4.05600-	1 0.0	+ 0	4.35550-	1 1.00000-	1	5.05700-	1	409	4	47	1733
2.00000-	1	5.27080-	1 3.00000-	1	6.07990-	1 4.00000-	1	6.42150-	1	409	4	47	1734
5.00000-	1	7.35780-	1 6.00000-	1	7.72660-	1 7.00000-	1	8.09220-	1	409	4	47	1735

8.00000-	1	9.25590-	1	9.00000-	1	9.69700-	1	1.00000+	0	1.00900+	0	409	4	47	1736	
0.0	+	0	1.40000+	7	0	0	0	1	1	21	409	4	47	1737		
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-1.00000-	1	4.04980-	1	0.0	+	0	4.71790-	1	1.00000-	1	4.52900-	1	409	4	47	1742
2.00000-	1	5.27430-	1	3.00000-	1	6.08830-	1	4.00000-	1	6.43850-	1	409	4	47	1743	
5.00000-	1	7.38400-	1	6.00000-	1	7.76440-	1	7.00000-	1	8.88160-	1	409	4	47	1744	
8.00000-	1	9.32840-	1	9.00000-	1	9.78930-	1	1.00000+	0	1.02000+	0	409	4	47	1745	
0.0	+	0	1.50000+	7	0	0	0	1	1	21	409	4	47	1746		
	21		2	0	0	0	0	0	0	0	409	4	47	1747		
-1.00000+	0	1.56450-	1	-9.00000-	1	1.59950-	1	-8.00000-	1	1.64060-	1	409	4	47	1748	
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-4.00000-	1	2.69610-	1	-3.00000-	1	3.23360-	1	-2.00000-	1	3.34560-	1	409	4	47	1750	
-1.00000-	1	3.95050-	1	0.0	+	0	4.60500-	1	1.00000-	1	4.79670-	1	409	4	47	1751
2.00000-	1	5.15530-	1	3.00000-	1	5.95520-	1	4.00000-	1	6.83670-	1	409	4	47	1752	
5.00000-	1	7.23720-	1	6.00000-	1	8.27940-	1	7.00000-	1	8.72680-	1	409	4	47	1753	
8.00000-	1	9.17920-	1	9.00000-	1	9.64830-	1	1.00000+	0	1.10190+	0	409	4	47	1754	
0.0	+	0	1.60000+	7	0	0	0	1	1	21	409	4	47	1755		
	21		2	0	0	0	0	0	0	0	409	4	47	1756		
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-1.00000-	1	3.89050-	1	0.0	+	0	4.04470-	1	1.00000-	1	4.72770-	1	409	4	47	1760
2.00000-	1	5.47370-	1	3.00000-	1	5.87940-	1	4.00000-	1	6.75450-	1	409	4	47	1761	
5.00000-	1	7.72940-	1	6.00000-	1	8.19760-	1	7.00000-	1	8.65210-	1	409	4	47	1762	
8.00000-	1	9.92370-	1	9.00000-	1	1.04820+	0	1.00000+	0	1.09660+	0	409	4	47	1763	
0.0	+	0	1.70000+	7	0	0	0	1	1	21	409	4	47	1764		
	21		2	0	0	0	0	0	0	0	409	4	47	1765		
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-1.00000-	1	3.84640-	1	0.0	+	0	3.99950-	1	1.00000-	1	4.67720-	1	409	4	47	1769
2.00000-	1	5.41790-	1	3.00000-	1	6.23310-	1	4.00000-	1	6.69760-	1	409	4	47	1770	
5.00000-	1	7.67100-	1	6.00000-	1	8.14410-	1	7.00000-	1	9.33270-	1	409	4	47	1771	
8.00000-	1	9.88710-	1	9.00000-	1	1.04600+	0	1.00000+	0	1.09750+	0	409	4	47	1772	
0.0	+	0	1.80000+	7	0	0	0	1	1	21	409	4	47	1773		
	21		2	0	0	0	0	0	0	0	409	4	47	1774		
-1.00000+	0	1.17740-	1	-9.00000-	1	1.20390-	1	-8.00000-	1	1.59690-	1	409	4	47	1775	
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-1.00000-	1	3.39520-	1	0.0	+	0	4.02280-	1	1.00000-	1	4.70650-	1	409	4	47	1778
2.00000-	1	5.45470-	1	3.00000-	1	6.27830-	1	4.00000-	1	6.62380-	1	409	4	47	1779	
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8.00000-	1	1.00140+	0	9.00000-	1	1.06120+	0	1.00000+	0	1.11450+	0	409	4	47	1781	
0.0	+	0	1.90000+	7	0	0	0	1	1	21	409	4	47	1782		
	21		2	0	0	0	0	0	0	0	409	4	47	1783		
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-1.00000-	1	3.43720-	1	0.0	+	0	4.07420-	1	1.00000-	1	4.76880-	1	409	4	47	1787
2.00000-	1	5.52980-	1	3.00000-	1	5.81080-	1	4.00000-	1	6.72110-	1	409	4	47	1788	
5.00000-	1	7.26290-	1	6.00000-	1	8.38520-	1	7.00000-	1	9.60990-	1	409	4	47	1789	
8.00000-	1	1.02100+	0	9.00000-	1	1.08370+	0	1.00000+	0	1.14040+	0	409	4	47	1790	
0.0	+	0	2.00000+	7	0	0	0	1	1	21	409	4	47	1791		
	21		2	0	0	0	0	0	0	0	409	4	47	1792		
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-1.00000-	1	3.42220-	1	0.0	+	0	4.05790-	1	1.00000-	1	4.75180-	1	409	4	47	1796
2.00000-	1	4.97690-	1	3.00000-	1	5.79430-	1	4.00000-	1	6.70570-	1	409	4	47	1797	

5.00000-	1	7.73430-	1	6.00000-	1	8.38170-	1	7.00000-	1	9.61790-	1	409	4	47	1798	
8.00000-	1	1.02340+	0	9.00000-	1	1.08770+	0	1.00000+	0	1.25630+	0	409	4	47	1799	
												409	4	0	1800	
4.00900+	3	8.93476+	0					2	0			0	409	4	48	1801
0.0	+	8.93476+	0					1	0			0	409	4	48	1802
0.0	+	0.0	+	0				0	1			16	409	4	48	1803
	16		2					0	0			0	409	4	48	1804
0.0	+	5.22604+	6					0	1			3	409	4	48	1805
	3		2					0	0			0	409	4	48	1806
-1.00000+	0	5.00000-	1	0.0	+	0	5.00000-	1	1.00000+	0	5.00000-	1	409	4	48	1807
0.0	+	6.00000+	6					0	1			21	409	4	48	1808
	21		2					0	0			0	409	4	48	1809
-1.00000+	0	4.39200-	1	-9.00000-	1	2.98750-	1	-8.00000-	1	3.02660-	1	409	4	48	1810	
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2.00000-	1	5.28610-	1	3.00000-	1	5.36540-	1	4.00000-	1	5.44990-	1	409	4	48	1814	
5.00000-	1	5.52840-	1	6.00000-	1	5.61740-	1	7.00000-	1	5.69550-	1	409	4	48	1815	
8.00000-	1	5.79100-	1	9.00000-	1	5.86900-	1	1.00000+	0	5.95290-	1	409	4	48	1816	
0.0	+	7.00000+	6					0	1			21	409	4	48	1817
	21		2					0	0			0	409	4	48	1818
-1.00000+	0	3.01610-	1	-9.00000-	1	4.08840-	1	-8.00000-	1	4.14680-	1	409	4	48	1819	
-7.00000-	1	3.16650-	1	-6.00000-	1	4.29460-	1	-5.00000-	1	4.35790-	1	409	4	48	1820	
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-1.00000-	1	4.66130-	1	0.0	+	0	4.73550-	1	1.00000-	1	6.01710-	1	409	4	48	1822
2.00000-	1	4.89430-	1	3.00000-	1	6.21870-	1	4.00000-	1	5.05690-	1	409	4	48	1823	
5.00000-	1	6.42510-	1	6.00000-	1	5.22390-	1	7.00000-	1	6.63750-	1	409	4	48	1824	
8.00000-	1	5.39740-	1	9.00000-	1	6.85950-	1	1.00000+	0	5.56070-	1	409	4	48	1825	
0.0	+	8.00000+	6					0	1			21	409	4	48	1826
	21		2					0	0			0	409	4	48	1827
-1.00000+	0	3.26600-	1	-9.00000-	1	3.31170-	1	-8.00000-	1	4.21790-	1	409	4	48	1828	
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-1.00000-	1	4.78050-	1	0.0	+	0	4.86070-	1	1.00000-	1	5.93580-	1	409	4	48	1831
2.00000-	1	5.03490-	1	3.00000-	1	6.14720-	1	4.00000-	1	5.21350-	1	409	4	48	1832	
5.00000-	1	6.36680-	1	6.00000-	1	5.39800-	1	7.00000-	1	6.59220-	1	409	4	48	1833	
8.00000-	1	5.59020-	1	9.00000-	1	6.82820-	1	1.00000+	0	5.77600-	1	409	4	48	1834	
0.0	+	9.00000+	6					0	1			21	409	4	48	1835
	21		2					0	0			0	409	4	48	1836
-1.00000+	0	3.66730-	1	-9.00000-	1	3.71990-	1	-8.00000-	1	3.81230-	1	409	4	48	1837	
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-1.00000-	1	4.32720-	1	0.0	+	0	5.29100-	1	1.00000-	1	4.49310-	1	409	4	48	1840
2.00000-	1	5.49310-	1	3.00000-	1	5.59830-	1	4.00000-	1	5.70100-	1	409	4	48	1841	
5.00000-	1	5.81460-	1	6.00000-	1	5.91610-	1	7.00000-	1	7.03320-	1	409	4	48	1842	
8.00000-	1	6.14120-	1	9.00000-	1	7.30230-	1	1.00000+	0	6.35410-	1	409	4	48	1843	
0.0	+	1.00000+	7					0	1			21	409	4	48	1844
	21		2					0	0			0	409	4	48	1845
-1.00000+	0	3.35450-	1	-9.00000-	1	3.40460-	1	-8.00000-	1	3.45990-	1	409	4	48	1846	
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2.00000-	1	5.90470-	1	3.00000-	1	5.16220-	1	4.00000-	1	6.14260-	1	409	4	48	1850	
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8.00000-	1	6.64880-	1	9.00000-	1	6.76590-	1	1.00000+	0	6.90140-	1	409	4	48	1852	
0.0	+	1.10000+	7					0	1			21	409	4	48	1853
	21		2					0	0			0	409	4	48	1854
-1.00000+	0	3.09090-	1	-9.00000-	1	3.78820-	1	-8.00000-	1	3.23360-	1	409	4	48	1855	
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2.00000-	1	5.54970-	1	3.00000-	1	5.66470-	1	4.00000-	1	5.77860-	1	409	4	48	1859	

5.00000-	1	5.90580-	1	6.00000-	1	6.01980-	1	7.00000-	1	6.15820-	1	409	4	48	1860	
8.00000-	1	6.27380-	1	9.00000-	1	7.32400-	1	1.00000+	0	6.52510-	1	409	4	48	1861	
0.0	+	0	1.20000+	7	0	0	0	1				21	409	4	48	1862
		21		2		0		0				0	409	4	48	1863
-1.00000+	0	2.96460-	1	-9.00000-	1	3.01140-	1	-8.00000-	1	3.69800-	1	409	4	48	1864	
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2.00000-	1	5.35070-	1	3.00000-	1	5.46740-	1	4.00000-	1	6.38600-	1	409	4	48	1868	
5.00000-	1	5.70760-	1	6.00000-	1	6.66700-	1	7.00000-	1	5.96040-	1	409	4	48	1869	
8.00000-	1	6.96580-	1	9.00000-	1	7.10040-	1	1.00000+	0	7.25960-	1	409	4	48	1870	
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		21		2		0		0				0	409	4	48	1872
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2.00000-	1	5.06380-	1	3.00000-	1	5.91970-	1	4.00000-	1	5.29810-	1	409	4	48	1877	
5.00000-	1	6.19500-	1	6.00000-	1	6.32590-	1	7.00000-	1	6.48550-	1	409	4	48	1878	
8.00000-	1	6.61890-	1	9.00000-	1	7.62280-	1	1.00000+	0	6.90750-	1	409	4	48	1879	
0.0	+	0	1.40000+	7	0	0	0	1				21	409	4	48	1880
		21		2		0		0				0	409	4	48	1881
-1.00000+	0	3.14950-	1	-9.00000-	1	3.20440-	1	-8.00000-	1	3.26280-	1	409	4	48	1882	
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-1.00000-	1	4.50170-	1	0.0	+	0	4.61960-	1	1.00000-	1	5.40360-	1	409	4	48	1885
2.00000-	1	5.52970-	1	3.00000-	1	5.66150-	1	4.00000-	1	5.80080-	1	409	4	48	1886	
5.00000-	1	5.93210-	1	6.00000-	1	6.83470-	1	7.00000-	1	6.21890-	1	409	4	48	1887	
8.00000-	1	7.16910-	1	9.00000-	1	7.32060-	1	1.00000+	0	7.50160-	1	409	4	48	1888	
0.0	+	0	1.50000+	7	0	0	0	1				21	409	4	48	1889
		21		2		0		0				0	409	4	48	1890
-1.00000+	0	2.54820-	1	-9.00000-	1	3.13420-	1	-8.00000-	1	3.19300-	1	409	4	48	1891	
-7.00000-	1	3.82160-	1	-6.00000-	1	3.36800-	1	-5.00000-	1	3.43570-	1	409	4	48	1892	
-4.00000-	1	4.10860-	1	-3.00000-	1	4.19670-	1	-2.00000-	1	4.31930-	1	409	4	48	1893	
-1.00000-	1	4.41560-	1	0.0	+	0	5.17110-	1	1.00000-	1	4.63930-	1	409	4	48	1894
2.00000-	1	5.43240-	1	3.00000-	1	5.56450-	1	4.00000-	1	5.70500-	1	409	4	48	1895	
5.00000-	1	6.57950-	1	6.00000-	1	6.73080-	1	7.00000-	1	6.91490-	1	409	4	48	1896	
8.00000-	1	7.06970-	1	9.00000-	1	7.22150-	1	1.00000+	0	7.40940-	1	409	4	48	1897	
0.0	+	0	1.60000+	7	0	0	0	1				21	409	4	48	1898
		21		2		0		0				0	409	4	48	1899
-1.00000+	0	2.92630-	1	-9.00000-	1	3.07300-	1	-8.00000-	1	3.13130-	1	409	4	48	1900	
-7.00000-	1	3.19310-	1	-6.00000-	1	3.82420-	1	-5.00000-	1	3.37280-	1	409	4	48	1901	
-4.00000-	1	4.03480-	1	-3.00000-	1	4.12250-	1	-2.00000-	1	4.83180-	1	409	4	48	1902	
-1.00000-	1	4.34160-	1	0.0	+	0	5.08660-	1	1.00000-	1	5.21080-	1	409	4	48	1903
2.00000-	1	5.34910-	1	3.00000-	1	5.48660-	1	4.00000-	1	5.62370-	1	409	4	48	1904	
5.00000-	1	6.48940-	1	6.00000-	1	5.91470-	1	7.00000-	1	6.82960-	1	409	4	48	1905	
8.00000-	1	6.98610-	1	9.00000-	1	7.96930-	1	1.00000+	0	7.33190-	1	409	4	48	1906	
0.0	+	0	1.70000+	7	0	0	0	1				21	409	4	48	1907
		21		2		0		0				0	409	4	48	1908
-1.00000+	0	2.81040-	1	-9.00000-	1	2.86200-	1	-8.00000-	1	2.98250-	1	409	4	48	1909	
-7.00000-	1	3.04190-	1	-6.00000-	1	3.64480-	1	-5.00000-	1	3.72180-	1	409	4	48	1910	
-4.00000-	1	4.36670-	1	-3.00000-	1	3.93290-	1	-2.00000-	1	4.60970-	1	409	4	48	1911	
-1.00000-	1	4.72080-	1	0.0	+	0	4.85880-	1	1.00000-	1	4.97970-	1	409	4	48	1912
2.00000-	1	5.75130-	1	3.00000-	1	5.24840-	1	4.00000-	1	6.06220-	1	409	4	48	1913	
5.00000-	1	6.21470-	1	6.00000-	1	6.39330-	1	7.00000-	1	6.54850-	1	409	4	48	1914	
8.00000-	1	7.47810-	1	9.00000-	1	7.65350-	1	1.00000+	0	7.04700-	1	409	4	48	1915	
0.0	+	0	1.80000+	7	0	0	0	1				21	409	4	48	1916
		21		2		0		0				0	409	4	48	1917
-1.00000+	0	2.82160-	1	-9.00000-	1	2.87420-	1	-8.00000-	1	3.45130-	1	409	4	48	1918	
-7.00000-	1	3.05680-	1	-6.00000-	1	3.12090-	1	-5.00000-	1	3.74210-	1	409	4	48	1919	
-4.00000-	1	3.82600-	1	-3.00000-	1	3.95720-	1	-2.00000-	1	4.04980-	1	409	4	48	1920	
-1.00000-	1	4.75330-	1	0.0	+	0	4.87370-	1	1.00000-	1	5.01840-	1	409	4	48	1921

2.00000-	1	5.79750-	1	3.00000-	1	5.29440-	1	4.00000-	1	6.11850-	1	409	4	48	1922	
5.00000-	1	6.27610-	1	6.00000-	1	6.46010-	1	7.00000-	1	6.62090-	1	409	4	48	1923	
8.00000-	1	7.56570-	1	9.00000-	1	7.74750-	1	1.00000+	0	7.97000-	1	409	4	48	1924	
0.0	+	0	1.90000+	7	0	0	0	1	0	0	0	21	409	4	48	1925
		21	2	0	0	0	0	1	0	0	0	0	409	4	48	1926
-1.00000+	0	2.72520-	1	-9.00000-	1	2.77520-	1	-8.00000-	1	3.33440-	1	409	4	48	1927	
-7.00000-	1	3.40300-	1	-6.00000-	1	3.01590-	1	-5.00000-	1	3.61720-	1	409	4	48	1928	
-4.00000-	1	3.69930-	1	-3.00000-	1	4.34650-	1	-2.00000-	1	3.91870-	1	409	4	48	1929	
-1.00000-	1	4.60120-	1	0.0	+	0	4.71920-	1	1.00000-	1	4.86190-	1	409	4	48	1930
2.00000-	1	5.61900-	1	3.00000-	1	5.77680-	1	4.00000-	1	5.93600-	1	409	4	48	1931	
5.00000-	1	6.78330-	1	6.00000-	1	6.27460-	1	7.00000-	1	7.17560-	1	409	4	48	1932	
8.00000-	1	7.35780-	1	9.00000-	1	7.53890-	1	1.00000+	0	7.76570-	1	409	4	48	1933	
0.0	+	0	2.00000+	7	0	0	0	1	0	0	0	21	409	4	48	1934
		21	2	0	0	0	0	1	0	0	0	0	409	4	48	1935
-1.00000+	0	2.69950-	1	-9.00000-	1	2.74830-	1	-8.00000-	1	2.80500-	1	409	4	48	1936	
-7.00000-	1	3.37140-	1	-6.00000-	1	3.44560-	1	-5.00000-	1	3.58580-	1	409	4	48	1937	
-4.00000-	1	3.66800-	1	-3.00000-	1	4.31130-	1	-2.00000-	1	4.41770-	1	409	4	48	1938	
-1.00000-	1	4.56720-	1	0.0	+	0	4.68590-	1	1.00000-	1	5.42230-	1	409	4	48	1939
2.00000-	1	4.96250-	1	3.00000-	1	5.74360-	1	4.00000-	1	5.90520-	1	409	4	48	1940	
5.00000-	1	6.08430-	1	6.00000-	1	6.24830-	1	7.00000-	1	7.14980-	1	409	4	48	1941	
8.00000-	1	7.33560-	1	9.00000-	1	8.31730-	1	1.00000+	0	7.75080-	1	409	4	48	1942	
													409	4	0	1943
4.00900+	3	8.93476+	0	0	0	0	2	0	0	0	0	0	409	4	49	1944
0.0	+	0	8.93476+	0	0	0	1	0	0	0	0	0	409	4	49	1945
0.0	+	0	0.0	+	0	0	0	1	0	0	0	14	409	4	49	1946
		14	2	0	0	0	0	0	0	0	0	0	409	4	49	1947
0.0	+	0	7.56107+	6	0	0	0	1	0	0	0	3	409	4	49	1948
		3	2	0	0	0	0	0	0	0	0	0	409	4	49	1949
-1.00000+	0	5.00000-	1	0.0	+	0	5.00000-	1	1.00000+	0	5.00000-	1	409	4	49	1950
0.0	+	0	8.00000+	6	0	0	0	1	0	0	0	21	409	4	49	1951
		21	2	0	0	0	0	0	0	0	0	0	409	4	49	1952
-1.00000+	0	2.30020-	1	-9.00000-	1	4.68790-	1	-8.00000-	1	4.74420-	1	409	4	49	1953	
-7.00000-	1	2.40740-	1	-6.00000-	1	4.88300-	1	-5.00000-	1	4.94320-	1	409	4	49	1954	
-4.00000-	1	2.50620-	1	-3.00000-	1	5.08190-	1	-2.00000-	1	5.14640-	1	409	4	49	1955	
-1.00000-	1	5.21920-	1	0.0	+	0	5.28880-	1	1.00000-	1	5.36100-	1	409	4	49	1956
2.00000-	1	5.43260-	1	3.00000-	1	5.50730-	1	4.00000-	1	5.57750-	1	409	4	49	1957	
5.00000-	1	5.65660-	1	6.00000-	1	5.72180-	1	7.00000-	1	5.80830-	1	409	4	49	1958	
8.00000-	1	5.89880-	1	9.00000-	1	5.96500-	1	1.00000+	0	6.02580-	1	409	4	49	1959	
0.0	+	0	9.00000+	6	0	0	0	1	0	0	0	21	409	4	49	1960
		21	2	0	0	0	0	0	0	0	0	0	409	4	49	1961
-1.00000+	0	4.03650-	1	-9.00000-	1	2.80450-	1	-8.00000-	1	4.27160-	1	409	4	49	1962	
-7.00000-	1	4.32510-	1	-6.00000-	1	2.92810-	1	-5.00000-	1	4.45750-	1	409	4	49	1963	
-4.00000-	1	4.51650-	1	-3.00000-	1	4.58880-	1	-2.00000-	1	4.65070-	1	409	4	49	1964	
-1.00000-	1	4.71520-	1	0.0	+	0	4.78560-	1	1.00000-	1	4.85330-	1	409	4	49	1965
2.00000-	1	6.56430-	1	3.00000-	1	4.99330-	1	4.00000-	1	6.75450-	1	409	4	49	1966	
5.00000-	1	5.13610-	1	6.00000-	1	5.21410-	1	7.00000-	1	7.05080-	1	409	4	49	1967	
8.00000-	1	5.36460-	1	9.00000-	1	7.25610-	1	1.00000+	0	5.50270-	1	409	4	49	1968	
0.0	+	0	1.00000+	7	0	0	0	1	0	0	0	21	409	4	49	1969
		21	2	0	0	0	0	0	0	0	0	0	409	4	49	1970
-1.00000+	0	3.30790-	1	-9.00000-	1	3.34720-	1	-8.00000-	1	4.53440-	1	409	4	49	1971	
-7.00000-	1	4.59560-	1	-6.00000-	1	3.50240-	1	-5.00000-	1	4.74290-	1	409	4	49	1972	
-4.00000-	1	4.80850-	1	-3.00000-	1	3.66340-	1	-2.00000-	1	4.95940-	1	409	4	49	1973	
-1.00000-	1	5.03160-	1	0.0	+	0	5.11100-	1	1.00000-	1	5.18730-	1	409	4	49	1974
2.00000-	1	5.26750-	1	3.00000-	1	5.34490-	1	4.00000-	1	5.42910-	1	409	4	49	1975	
5.00000-	1	5.50620-	1	6.00000-	1	5.59480-	1	7.00000-	1	5.67120-	1	409	4	49	1976	
8.00000-	1	5.76560-	1	9.00000-	1	7.32000-	1	1.00000+	0	5.92650-	1	409	4	49	1977	
0.0	+	0	1.10000+	7	0	0	0	1	0	0	0	21	409	4	49	1978
		21	2	0	0	0	0	0	0	0	0	0	409	4	49	1979
-1.00000+	0	3.82450-	1	-9.00000-	1	3.87430-	1	-8.00000-	1	3.92780-	1	409	4	49	1980	
-7.00000-	1	4.00780-	1	-6.00000-	1	4.06370-	1	-5.00000-	1	4.12180-	1	409	4	49	1981	
-4.00000-	1	4.19880-	1	-3.00000-	1	4.26030-	1	-2.00000-	1	5.41110-	1	409	4	49	1982	
-1.00000-	1	4.39920-	1	0.0	+	0	4.46690-	1	1.00000-	1	5.67350-	1	409	4	49	1983

2.00000-	1	4.61110-	1	3.00000-	1	5.85530-	1	4.00000-	1	4.75810-	1	409	4	49	1984	
5.00000-	1	6.04180-	1	6.00000-	1	6.14470-	1	7.00000-	1	6.23280-	1	409	4	49	1985	
8.00000-	1	6.34290-	1	9.00000-	1	6.43110-	1	1.00000+	0	6.53010-	1	409	4	49	1986	
0.0	+	0	1.20000+	7	0	0	0	1	0	21	409	4	49	1987		
		21		2	0	0	0	1	0	0	409	4	49	1988		
-1.00000+	0	4.18580-	1	-9.00000-	1	3.41550-	1	-8.00000-	1	3.46340-	1	409	4	49	1989	
-7.00000-	1	4.40380-	1	-6.00000-	1	4.46910-	1	-5.00000-	1	3.63870-	1	409	4	49	1990	
-4.00000-	1	4.62540-	1	-3.00000-	1	4.69630-	1	-2.00000-	1	3.82200-	1	409	4	49	1991	
-1.00000-	1	4.85780-	1	0.0	+	0	4.93630-	1	1.00000-	1	5.02080-	1	409	4	49	1992
2.00000-	1	5.10420-	1	3.00000-	1	6.22770-	1	4.00000-	1	5.27560-	1	409	4	49	1993	
5.00000-	1	6.43640-	1	6.00000-	1	5.45160-	1	7.00000-	1	6.65120-	1	409	4	49	1994	
8.00000-	1	5.63380-	1	9.00000-	1	6.87450-	1	1.00000+	0	5.80630-	1	409	4	49	1995	
0.0	+	0	1.30000+	7	0	0	0	1	0	21	409	4	49	1996		
		21		2	0	0	0	1	0	0	409	4	49	1997		
-1.00000+	0	3.07950-	1	-9.00000-	1	3.91640-	1	-8.00000-	1	3.97310-	1	409	4	49	1998	
-7.00000-	1	3.24000-	1	-6.00000-	1	4.12270-	1	-5.00000-	1	4.18590-	1	409	4	49	1999	
-4.00000-	1	4.25520-	1	-3.00000-	1	4.33770-	1	-2.00000-	1	4.40760-	1	409	4	49	2000	
-1.00000-	1	5.38330-	1	0.0	+	0	4.56480-	1	1.00000-	1	5.57250-	1	409	4	49	2001
2.00000-	1	4.72430-	1	3.00000-	1	5.76630-	1	4.00000-	1	5.87060-	1	409	4	49	2002	
5.00000-	1	5.96590-	1	6.00000-	1	6.07650-	1	7.00000-	1	6.17140-	1	409	4	49	2003	
8.00000-	1	6.29080-	1	9.00000-	1	6.38580-	1	1.00000+	0	6.49910-	1	409	4	49	2004	
0.0	+	0	1.40000+	7	0	0	0	1	0	21	409	4	49	2005		
		21		2	0	0	0	0	0	0	409	4	49	2006		
-1.00000+	0	3.55850-	1	-9.00000-	1	2.90450-	1	-8.00000-	1	3.69990-	1	409	4	49	2007	
-7.00000-	1	3.75640-	1	-6.00000-	1	4.59320-	1	-5.00000-	1	3.90120-	1	409	4	49	2008	
-4.00000-	1	3.96410-	1	-3.00000-	1	4.84460-	1	-2.00000-	1	4.11260-	1	409	4	49	2009	
-1.00000-	1	5.02410-	1	0.0	+	0	5.11130-	1	1.00000-	1	5.20480-	1	409	4	49	2010
2.00000-	1	5.29910-	1	3.00000-	1	5.39110-	1	4.00000-	1	5.49150-	1	409	4	49	2011	
5.00000-	1	6.52300-	1	6.00000-	1	5.69010-	1	7.00000-	1	6.75880-	1	409	4	49	2012	
8.00000-	1	5.89680-	1	9.00000-	1	7.00600-	1	1.00000+	0	6.09600-	1	409	4	49	2013	
0.0	+	0	1.50000+	7	0	0	0	1	0	21	409	4	49	2014		
		21		2	0	0	0	0	0	0	409	4	49	2015		
-1.00000+	0	3.47040-	1	-9.00000-	1	3.51660-	1	-8.00000-	1	3.60700-	1	409	4	49	2016	
-7.00000-	1	3.66290-	1	-6.00000-	1	3.72140-	1	-5.00000-	1	4.55230-	1	409	4	49	2017	
-4.00000-	1	3.86910-	1	-3.00000-	1	4.73010-	1	-2.00000-	1	4.81170-	1	409	4	49	2018	
-1.00000-	1	4.08700-	1	0.0	+	0	4.99610-	1	1.00000-	1	5.08790-	1	409	4	49	2019
2.00000-	1	5.18420-	1	3.00000-	1	5.28250-	1	4.00000-	1	5.37740-	1	409	4	49	2020	
5.00000-	1	5.48300-	1	6.00000-	1	6.51800-	1	7.00000-	1	6.62800-	1	409	4	49	2021	
8.00000-	1	6.76660-	1	9.00000-	1	6.87760-	1	1.00000+	0	7.01100-	1	409	4	49	2022	
0.0	+	0	1.60000+	7	0	0	0	1	0	21	409	4	49	2023		
		21		2	0	0	0	0	0	0	409	4	49	2024		
-1.00000+	0	3.34920-	1	-9.00000-	1	3.39510-	1	-8.00000-	1	3.44920-	1	409	4	49	2025	
-7.00000-	1	4.22400-	1	-6.00000-	1	3.59540-	1	-5.00000-	1	4.39940-	1	409	4	49	2026	
-4.00000-	1	4.47470-	1	-3.00000-	1	3.80510-	1	-2.00000-	1	4.65480-	1	409	4	49	2027	
-1.00000-	1	4.73940-	1	0.0	+	0	4.83700-	1	1.00000-	1	4.92770-	1	409	4	49	2028
2.00000-	1	5.86060-	1	3.00000-	1	5.12060-	1	4.00000-	1	6.08960-	1	409	4	49	2029	
5.00000-	1	5.31970-	1	6.00000-	1	6.32710-	1	7.00000-	1	6.43670-	1	409	4	49	2030	
8.00000-	1	6.57540-	1	9.00000-	1	6.68610-	1	1.00000+	0	6.81620-	1	409	4	49	2031	
0.0	+	0	1.70000+	7	0	0	0	1	0	21	409	4	49	2032		
		21		2	0	0	0	0	0	0	409	4	49	2033		
-1.00000+	0	3.75260-	1	-9.00000-	1	3.20730-	1	-8.00000-	1	3.25900-	1	409	4	49	2034	
-7.00000-	1	3.99220-	1	-6.00000-	1	4.05970-	1	-5.00000-	1	3.45730-	1	409	4	49	2035	
-4.00000-	1	4.23300-	1	-3.00000-	1	4.30900-	1	-2.00000-	1	4.40650-	1	409	4	49	2036	
-1.00000-	1	4.48800-	1	0.0	+	0	5.34080-	1	1.00000-	1	4.67000-	1	409	4	49	2037
2.00000-	1	5.55610-	1	3.00000-	1	5.66910-	1	4.00000-	1	5.77820-	1	409	4	49	2038	
5.00000-	1	5.90010-	1	6.00000-	1	6.00890-	1	7.00000-	1	7.00470-	1	409	4	49	2039	
8.00000-	1	6.25090-	1	9.00000-	1	7.28950-	1	1.00000+	0	6.48730-	1	409	4	49	2040	
0.0	+	0	1.80000+	7	0	0	0	1	0	21	409	4	49	2041		
		21		2	0	0	0	0	0	0	409	4	49	2042		
-1.00000+	0	2.96350-	1	-9.00000-	1	3.63500-	1	-8.00000-	1	3.10200-	1	409	4	49	2043	
-7.00000-	1	3.80140-	1	-6.00000-	1	3.86620-	1	-5.00000-	1	3.93450-	1	409	4	49	2044	
-4.00000-	1	4.03380-	1	-3.00000-	1	4.10730-	1	-2.00000-	1	4.89120-	1	409	4	49	2045	

-1.00000-	1	4.28090-	1	0.0	+	0	5.09530-	1	1.00000-	1	5.19760-	1	409	4	49	2046		
2.00000-	1	5.30550-	1	3.00000-	1	5.41550-	1	4.00000-	1	5.52210-	1	409	4	49	2047			
5.00000-	1	5.64120-	1	6.00000-	1	6.58210-	1	7.00000-	1	6.69570-	1	409	4	49	2048			
8.00000-	1	6.85940-	1	9.00000-	1	6.98320-	1	1.00000+	0	7.13730-	1	409	4	49	2049			
0.0	+	0	1.90000+	7		0		0		1		21	409	4	49	2050		
		21		2		0		0		0		0	409	4	49	2051		
-1.00000+	0	2.91850-	1	-9.00000-	1	3.57700-	1	-8.00000-	1	3.63760-	1	409	4	49	2052			
-7.00000-	1	3.10490-	1	-6.00000-	1	3.80670-	1	-5.00000-	1	3.87490-	1	409	4	49	2053			
-4.00000-	1	4.61820-	1	-3.00000-	1	4.04740-	1	-2.00000-	1	4.81630-	1	409	4	49	2054			
-1.00000-	1	4.91550-	1	0.0	+	0	4.30520-	1	1.00000-	1	5.12880-	1	409	4	49	2055		
2.00000-	1	5.98510-	1	3.00000-	1	5.34800-	1	4.00000-	1	6.24130-	1	409	4	49	2056			
5.00000-	1	5.57540-	1	6.00000-	1	6.50800-	1	7.00000-	1	5.81390-	1	409	4	49	2057			
8.00000-	1	6.78870-	1	9.00000-	1	6.91500-	1	1.00000+	0	7.06630-	1	409	4	49	2058			
0.0	+	0	2.00000+	7		0		0		1		21	409	4	49	2059		
		21		2		0		0		0		0	409	4	49	2060		
-1.00000+	0	2.85710-	1	-9.00000-	1	2.90180-	1	-8.00000-	1	3.56300-	1	409	4	49	2061			
-7.00000-	1	3.62580-	1	-6.00000-	1	3.73060-	1	-5.00000-	1	3.79830-	1	409	4	49	2062			
-4.00000-	1	3.86990-	1	-3.00000-	1	4.61520-	1	-2.00000-	1	4.04700-	1	409	4	49	2063			
-1.00000-	1	4.82410-	1	0.0	+	0	4.92400-	1	1.00000-	1	5.03680-	1	409	4	49	2064		
2.00000-	1	5.14500-	1	3.00000-	1	5.25590-	1	4.00000-	1	6.13620-	1	409	4	49	2065			
5.00000-	1	6.27740-	1	6.00000-	1	6.40350-	1	7.00000-	1	6.55830-	1	409	4	49	2066			
8.00000-	1	6.68620-	1	9.00000-	1	7.69110-	1	1.00000+	0	6.96290-	1	409	4	49	2067			
													409	4	0	2068		
4.00900+	3	8.93476+	0			0		1		0		0	409	4	51	2069		
0.0	+	0	8.93476+	0		0		2		0		0	409	4	51	2070		
0.0	+	0	0.0	+	0	0		0		1		13	409	4	51	2071		
		13		2		0		0		0		0	409	4	51	2072		
0.0	+	0	8.78419+	6		0		0		2		0	409	4	51	2073		
0.0	+	0	0.0	+	0								409	4	51	2074		
0.0	+	0	9.00000+	6		0		0		4		0	409	4	51	2075		
0.0	+	0	9.88055-	4	0.0	+	0	-8.58870-	6			0	409	4	51	2076		
0.0	+	0	1.00000+	7		0		0		6		0	409	4	51	2077		
0.0	+	0	7.15684-	3	0.0	+	0	-3.31282-	4	0.0	+	0	-2.92538-	6	409	4	51	2078
0.0	+	0	1.10000+	7		0		0		8		0	409	4	51	2079		
0.0	+	0	1.28630-	2	0.0	+	0	-8.03413-	4	0.0	+	0	-1.52142-	5	409	4	51	2080
0.0	+	0	-1.82356-	7									409	4	51	2081		
0.0	+	0	1.20000+	7		0		0		8		0	409	4	51	2082		
0.0	+	0	1.67648-	2	0.0	+	0	-1.00740-	3	0.0	+	0	-3.90644-	5	409	4	51	2083
0.0	+	0	-6.10906-	7									409	4	51	2084		
0.0	+	0	1.30000+	7		0		0		10		0	409	4	51	2085		
0.0	+	0	1.79659-	2	0.0	+	0	-9.44476-	4	0.0	+	0	-7.32194-	5	409	4	51	2086
0.0	+	0	-1.51954-	6	0.0	+	0	-1.11224-	7				409	4	51	2087		
0.0	+	0	1.40000+	7		0		0		10		0	409	4	51	2088		
0.0	+	0	1.93394-	2	0.0	+	0	-7.11407-	4	0.0	+	0	-1.14408-	4	409	4	51	2089
0.0	+	0	-3.02572-	6	0.0	+	0	-2.36993-	7				409	4	51	2090		
0.0	+	0	1.50000+	7		0		0		10		0	409	4	51	2091		
0.0	+	0	2.10986-	2	0.0	+	0	-5.09312-	4	0.0	+	0	-1.65970-	4	409	4	51	2092
0.0	+	0	-4.82910-	6	0.0	+	0	-4.31588-	7				409	4	51	2093		
0.0	+	0	1.60000+	7		0		0		12		0	409	4	51	2094		
0.0	+	0	2.36602-	2	0.0	+	0	-2.84478-	4	0.0	+	0	-2.29940-	4	409	4	51	2095
0.0	+	0	-7.15319-	6	0.0	+	0	-8.31702-	7	0.0	+	0	-6.75491-	8	409	4	51	2096
0.0	+	0	1.70000+	7		0		0		12		0	409	4	51	2097		
0.0	+	0	2.64905-	2	0.0	+	0	-4.18978-	5	0.0	+	0	-3.00574-	4	409	4	51	2098
0.0	+	0	-1.05598-	5	0.0	+	0	-1.30846-	6	0.0	+	0	-1.14937-	7	409	4	51	2099
0.0	+	0	1.80000+	7		0		0		12		0	409	4	51	2100		
0.0	+	0	2.91287-	2	0.0	+	0	1.98476-	4	0.0	+	0	-3.67308-	4	409	4	51	2101
0.0	+	0	-1.50459-	5	0.0	+	0	-1.90677-	6	0.0	+	0	-1.80860-	7	409	4	51	2102
0.0	+	0	1.90000+	7		0		0		14		0	409	4	51	2103		
0.0	+	0	3.19192-	2	0.0	+	0	4.53617-	4	0.0	+	0	-4.25167-	4	409	4	51	2104
0.0	+	0	-2.08958-	5	0.0	+	0	-2.76682-	6	0.0	+	0	-3.56850-	7	409	4	51	2105
0.0	+	0	-4.46042-	8									409	4	51	2106		
0.0	+	0	2.00000+	7		0		0		14		0	409	4	51	2107		

0.0	+	0	3.48157-	2	0.0	+	0	7.14494-	4	0.0	+	0	-4.69212-	4	409	4	51	2108	
0.0	+	0	-2.77865-	5	0.0	+	0	-3.59923-	6	0.0	+	0	-4.85259-	7	409	4	51	2109	
0.0	+	0	-5.69675-	8											409	4	51	2110	
															409	4	0	2111	
4.00900+	3	8.93476+	0		0			1		0					0	409	4	52	2112
0.0	+	0	8.93476+	0				2		0					0	409	4	52	2113
0.0	+	0	0.0	+	0			0		1					6	409	4	52	2114
			6		2			0		0					0	409	4	52	2115
0.0	+	0	1.53334+	7				0		2					0	409	4	52	2116
0.0	+	0	0.0	+	0			0								409	4	52	2117
0.0	+	0	1.60000+	7				0		6					0	409	4	52	2118
0.0	+	0	4.05309-	3	0.0	+	0	-4.09110-	5	0.0	+	0	-6.51910-	7	409	4	52	2119	
0.0	+	0	1.70000+	7				0		6					0	409	4	52	2120
0.0	+	0	9.77853-	3	0.0	+	0	-1.97980-	4	0.0	+	0	-8.27581-	6	409	4	52	2121	
0.0	+	0	1.80000+	7				0		8					0	409	4	52	2122
0.0	+	0	1.48598-	2	0.0	+	0	-3.19211-	4	0.0	+	0	-2.52326-	5	409	4	52	2123	
0.0	+	0	-3.61897-	7												409	4	52	2124
0.0	+	0	1.90000+	7				0		8					0	409	4	52	2125
0.0	+	0	1.88154-	2	0.0	+	0	-3.13214-	4	0.0	+	0	-5.02119-	5	409	4	52	2126	
0.0	+	0	-1.02035-	6												409	4	52	2127
0.0	+	0	2.00000+	7				0		10					0	409	4	52	2128
0.0	+	0	2.19940-	2	0.0	+	0	-1.93196-	4	0.0	+	0	-8.24324-	5	409	4	52	2129	
0.0	+	0	-2.29473-	6	0.0	+	0	-1.20988-	7							409	4	52	2130
																409	4	0	2131
																409	0	0	2132
4.00900+	3	8.93476+	0		0			0		1					0	409	5	16	2133
3.06000+	6	0.0	+	0				9		1					2	409	5	16	2134
			2		2			0		0					0	409	5	16	2135
3.40248+	6	1.00000+	0	2.00000+	7	1.00000+	0									409	5	16	2136
0.0	+	0	0.0	+	0			0		1					18	409	5	16	2137
			18		2			0		0					0	409	5	16	2138
3.40248+	6	5.61200+	5	4.00000+	6	6.08600+	5	5.00000+	6	6.80400+	5	409	5	16	2139				
6.00000+	6	7.45400+	5	7.00000+	6	8.05100+	5	8.00000+	6	8.60700+	5	409	5	16	2140				
9.00000+	6	9.12900+	5	1.00000+	7	9.62200+	5	1.10000+	7	1.01900+	6	409	5	16	2141				
1.20000+	7	1.05400+	6	1.30000+	7	1.09700+	6	1.40000+	7	1.13900+	6	409	5	16	2142				
1.50000+	7	1.17900+	6	1.60000+	7	1.21700+	6	1.70000+	7	1.25500+	6	409	5	16	2143				
1.80000+	7	1.29100+	6	1.90000+	7	1.32600+	6	2.00000+	7	1.36100+	6	409	5	16	2144				
																409	5	0	2145
4.00900+	3	8.93480+	0		0			0		1					0	409	5	24	2146
0.0	+	0	0.0	+	0			1		1					2	409	5	24	2147
			2		2			0		0					0	409	5	24	2148
1.74940+	6	1.00000+	0	2.00000+	7	1.00000+	0									409	5	24	2149
0.0	+	0	0.0	+	0			0		1					19	409	5	24	2150
			19		2			0		0					0	409	5	24	2151
0.0	+	0	1.74940+	6				0		1					3	409	5	24	2152
			3		2			0		0					0	409	5	24	2153
0.0	+	0	0.0	+	0	3.45000+	5	2.89850-	6	6.90000+	5	0.0	+	0	409	5	24	2154	
0.0	+	0	3.00000+	6				0		1					21	409	5	24	2155
			21		2			0		0					0	409	5	24	2156
0.0	+	0	0.0	+	0	6.56250+	4	0.0	+	0	1.31250+	5	0.0	+	0	409	5	24	2157
1.96880+	5	0.0	+	0	2.62500+	5	0.0	+	0	3.28130+	5	3.84410-	7	409	5	24	2158		
3.93750+	5	6.72650-	7	4.59380+	5	9.84860-	7	5.25000+	5	1.32110-	6	409	5	24	2159				
5.90630+	5	1.56110-	6	6.56250+	5	1.76720-	6	7.21880+	5	1.75400-	6	409	5	24	2160				
7.87510+	5	1.62890-	6	8.53130+	5	1.32630-	6	9.18760+	5	1.11440-	6	409	5	24	2161				
9.84380+	5	8.94800-	7	1.05000+	6	7.80790-	7	1.11560+	6	5.49620-	7	409	5	24	2162				
1.18130+	6	3.10470-	7	1.24690+	6	1.87310-	7	1.31250+	6	0.0	+	0	409	5	24	2163			
0.0	+	0	4.00000+	6				0		1					21	409	5	24	2164
			21		2			0		0					0	409	5	24	2165
0.0	+	0	0.0	+	0	8.64320+	4	0.0	+	0	1.72860+	5	1.68060-	7	409	5	24	2166	
2.59300+	5	4.59250-	7	3.45730+	5	6.35560-	7	4.32160+	5	8.27740-	7	409	5	24	2167				
5.18590+	5	9.66580-	7	6.05020+	5	1.07490-	6	6.91460+	5	1.07490-	6	409	5	24	2168				
7.77890+	5	1.07490-	6	8.64320+	5	1.00800-	6	9.50750+	5	9.15170-	7	409	5	24	2169				

1.03720+	6	7.69240-	7	1.12360+	6	6.66660-	7	1.21000+	6	5.60200-	7	409	5	24	2170
1.29650+	6	4.49830-	7	1.38290+	6	3.92390-	7	1.46930+	6	2.76260-	7	409	5	24	2171
1.55580+	6	1.56090-	7	1.64220+	6	9.41340-	8	1.72860+	6	0.0	+ 0	409	5	24	2172
0.0	+ 0	5.00000+	6	0	0	0	0	0	1	21	409	5	24	2173	
	21		2		0		0		0		0	409	5	24	2174
0.0	+ 0	0.0	+ 0	1.02260+	5	1.63220-	7	2.04530+	5	4.01020-	7	409	5	24	2175
3.06790+	5	6.00370-	7	4.09060+	5	7.15030-	7	5.11320+	5	8.03480-	7	409	5	24	2176
6.13580+	5	8.03450-	7	7.15850+	5	8.03430-	7	8.18110+	5	8.03420-	7	409	5	24	2177
9.20380+	5	8.03400-	7	1.02260+	6	7.53680-	7	1.12490+	6	6.49370-	7	409	5	24	2178
1.22720+	6	5.75820-	7	1.32940+	6	4.99220-	7	1.43170+	6	4.19710-	7	409	5	24	2179
1.53400+	6	3.37240-	7	1.63620+	6	2.51680-	7	1.73850+	6	2.07290-	7	409	5	24	2180
1.84080+	6	1.17210-	7	1.94300+	6	7.05710-	8	2.04530+	6	0.0	+ 0	409	5	24	2181
0.0	+ 0	6.00000+	6	0	0	0	0	0	1	21	409	5	24	2182	
	21		2		0		0		0		0	409	5	24	2183
0.0	+ 0	0.0	+ 0	1.16260+	5	2.66240-	7	2.32520+	5	4.81620-	7	409	5	24	2184
3.48770+	5	6.39770-	7	4.65030+	5	6.68200-	7	5.81290+	5	6.68150-	7	409	5	24	2185
6.97550+	5	6.68130-	7	8.13800+	5	6.68120-	7	9.30060+	5	6.68100-	7	409	5	24	2186
1.04630+	6	6.68040-	7	1.16260+	6	5.98910-	7	1.27880+	6	5.40520-	7	409	5	24	2187
1.39510+	6	4.79460-	7	1.51130+	6	4.15870-	7	1.62760+	6	3.49800-	7	409	5	24	2188
1.74390+	6	2.81220-	7	1.86010+	6	2.09990-	7	1.97640+	6	1.72930-	7	409	5	24	2189
2.09260+	6	9.77500-	8	2.20890+	6	5.87980-	8	2.32520+	6	0.0	+ 0	409	5	24	2190
0.0	+ 0	7.00000+	6	0	0	0	0	0	1	21	409	5	24	2191	
	21		2		0		0		0		0	409	5	24	2192
0.0	+ 0	0.0	+ 0	1.29190+	5	3.52450-	7	2.58380+	5	5.10940-	7	409	5	24	2193
3.87570+	5	5.93220-	7	5.16770+	5	5.93150-	7	6.45960+	5	5.93100-	7	409	5	24	2194
7.75150+	5	5.93060-	7	9.04340+	5	5.93060-	7	1.03350+	6	5.93040-	7	409	5	24	2195
1.16270+	6	5.81160-	7	1.29190+	6	5.31880-	7	1.42110+	6	4.53960-	7	409	5	24	2196
1.55030+	6	3.98860-	7	1.67950+	6	3.41410-	7	1.80870+	6	2.81600-	7	409	5	24	2197
1.93790+	6	2.50210-	7	2.06710+	6	1.86990-	7	2.19630+	6	1.53420-	7	409	5	24	2198
2.32540+	6	8.69050-	8	2.45460+	6	5.20510-	8	2.58380+	6	0.0	+ 0	409	5	24	2199
0.0	+ 0	8.00000+	6	0	0	0	0	0	1	21	409	5	24	2200	
	21		2		0		0		0		0	409	5	24	2201
0.0	+ 0	0.0	+ 0	1.41410+	5	3.88320-	7	2.82820+	5	5.10700-	7	409	5	24	2202
4.24230+	5	5.39020-	7	5.65640+	5	5.38920-	7	7.07050+	5	5.38890-	7	409	5	24	2203
8.48450+	5	5.38870-	7	9.89860+	5	5.38830-	7	1.13130+	6	5.38780-	7	409	5	24	2204
1.27270+	6	5.28030-	7	1.41410+	6	4.60720-	7	1.55550+	6	4.12910-	7	409	5	24	2205
1.69690+	6	3.62900-	7	1.83830+	6	3.10780-	7	1.97970+	6	2.56450-	7	409	5	24	2206
2.12110+	6	1.99930-	7	2.26250+	6	1.70390-	7	2.40400+	6	1.10480-	7	409	5	24	2207
2.54540+	6	7.93990-	8	2.68680+	6	4.73900-	8	2.82820+	6	0.0	+ 0	409	5	24	2208
0.0	+ 0	9.00000+	6	0	0	0	0	0	1	21	409	5	24	2209	
	21		2		0		0		0		0	409	5	24	2210
0.0	+ 0	0.0	+ 0	1.53100+	5	3.94860-	7	3.06200+	5	4.94420-	7	409	5	24	2211
4.59300+	5	4.94150-	7	6.12390+	5	4.94060-	7	7.65490+	5	4.94030-	7	409	5	24	2212
9.18590+	5	4.93990-	7	1.07170+	6	4.93960-	7	1.22480+	6	4.93900-	7	409	5	24	2213
1.37790+	6	4.64200-	7	1.53100+	6	4.22560-	7	1.68410+	6	3.78810-	7	409	5	24	2214
1.83720+	6	3.33000-	7	1.99030+	6	2.85380-	7	2.14340+	6	2.35590-	7	409	5	24	2215
2.29650+	6	1.83720-	7	2.44960+	6	1.56620-	7	2.60270+	6	1.01690-	7	409	5	24	2216
2.75580+	6	7.29820-	8	2.90890+	6	4.38390-	8	3.06200+	6	0.0	+ 0	409	5	24	2217
0.0	+ 0	1.00000+	7	0	0	0	0	0	1	21	409	5	24	2218	
	21		2		0		0		0		0	409	5	24	2219
0.0	+ 0	0.0	+ 0	1.64380+	5	4.19330-	7	3.28750+	5	4.62930-	7	409	5	24	2220
4.93130+	5	4.62640-	7	6.57510+	5	4.62560-	7	8.21890+	5	4.62520-	7	409	5	24	2221
9.86260+	5	4.62490-	7	1.15060+	6	4.62460-	7	1.31500+	6	4.62420-	7	409	5	24	2222
1.47940+	6	4.34660-	7	1.64380+	6	3.76030-	7	1.80820+	6	3.34310-	7	409	5	24	2223
1.97250+	6	2.90640-	7	2.13690+	6	2.45040-	7	2.30130+	6	2.20990-	7	409	5	24	2224
2.46570+	6	1.72420-	7	2.63000+	6	1.47020-	7	2.79440+	6	9.55060-	8	409	5	24	2225
2.95880+	6	6.84490-	8	3.12320+	6	4.11710-	8	3.28750+	6	0.0	+ 0	409	5	24	2226
0.0	+ 0	1.10000+	7	0	0	0	0	0	1	21	409	5	24	2227	
	21		2		0		0		0		0	409	5	24	2228
0.0	+ 0	0.0	+ 0	1.75320+	5	3.91770-	7	3.50650+	5	4.34040-	7	409	5	24	2229
5.25970+	5	4.33750-	7	7.01300+	5	4.33650-	7	8.76620+	5	4.33600-	7	409	5	24	2230
1.05190+	6	4.33580-	7	1.22730+	6	4.33550-	7	1.40260+	6	4.33490-	7	409	5	24	2231

1.57790+	6	4.07460-	7	1.75320+	6	3.52760-	7	1.92860+	6	3.13690-	7	409	5	24	2232		
2.10390+	6	2.72770-	7	2.27920+	6	2.30060-	7	2.45450+	6	2.07470-	7	409	5	24	2233		
2.62990+	6	1.61980-	7	2.80520+	6	1.37750-	7	2.98050+	6	8.97460-	8	409	5	24	2234		
3.15580+	6	6.45080-	8	3.33120+	6	3.81030-	8	3.50650+	6	0.0	+	0	409	5	24	2235	
0.0	+	0	1.20000+	7	0	0	0	0	1	0	+	21	409	5	24	2236	
	21		2		0		0		0		0	0	409	5	24	2237	
0.0	+	0	0.0	+	0	1.86000+	5	4.14840-	7	3.71990+	5	4.10270-	7	409	5	24	2238
5.57990+	5	4.09970-	7	7.43980+	5	4.09860-	7	9.29980+	5	4.09820-	7	409	5	24	2239		
1.11600+	6	4.09800-	7	1.30200+	6	4.09750-	7	1.48800+	6	4.09640-	7	409	5	24	2240		
1.67400+	6	3.68620-	7	1.86000+	6	3.33540-	7	2.04600+	6	2.96730-	7	409	5	24	2241		
2.23200+	6	2.58100-	7	2.41790+	6	2.17710-	7	2.60390+	6	1.75500-	7	409	5	24	2242		
2.78990+	6	1.53290-	7	2.97590+	6	1.08390-	7	3.16190+	6	8.48520-	8	409	5	24	2243		
3.34790+	6	6.08160-	8	3.53390+	6	3.49870-	8	3.71990+	6	0.0	+	0	409	5	24	2244	
0.0	+	0	1.30000+	7	0	0	0	0	1	0	+	21	409	5	24	2245	
	21		2		0		0		0		0	0	409	5	24	2246	
0.0	+	0	0.0	+	0	1.96430+	5	3.93090-	7	3.92870+	5	3.88260-	7	409	5	24	2247
5.89300+	5	3.87950-	7	7.85740+	5	3.87850-	7	9.82170+	5	3.87800-	7	409	5	24	2248		
1.17860+	6	3.87780-	7	1.37500+	6	3.87740-	7	1.57150+	6	3.87490-	7	409	5	24	2249		
1.76790+	6	3.48910-	7	1.96430+	6	3.15770-	7	2.16080+	6	2.80930-	7	409	5	24	2250		
2.35720+	6	2.44480-	7	2.55360+	6	2.06300-	7	2.75010+	6	1.66360-	7	409	5	24	2251		
2.94650+	6	1.45320-	7	3.14290+	6	1.02760-	7	3.33940+	6	8.04980-	8	409	5	24	2252		
3.53580+	6	5.77680-	8	3.73220+	6	3.37240-	8	3.92870+	6	0.0	+	0	409	5	24	2253	
0.0	+	0	1.40000+	7	0	0	0	0	1	0	+	21	409	5	24	2254	
	21		2		0		0		0		0	0	409	5	24	2255	
0.0	+	0	0.0	+	0	2.06670+	5	3.78440-	7	4.13340+	5	3.73380-	7	409	5	24	2256
6.20010+	5	3.73050-	7	8.26680+	5	3.72950-	7	1.03340+	6	3.72910-	7	409	5	24	2257		
1.24000+	6	3.72900-	7	1.44670+	6	3.72860-	7	1.65340+	6	3.65640-	7	409	5	24	2258		
1.86000+	6	3.35610-	7	2.06670+	6	2.87730-	7	2.27340+	6	2.53510-	7	409	5	24	2259		
2.48000+	6	2.17620-	7	2.68670+	6	1.98630-	7	2.89340+	6	1.60220-	7	409	5	24	2260		
3.10010+	6	1.39990-	7	3.30670+	6	9.90130-	8	3.51340+	6	7.75990-	8	409	5	24	2261		
3.72010+	6	5.54720-	8	3.92670+	6	3.11260-	8	4.13340+	6	0.0	+	0	409	5	24	2262	
0.0	+	0	1.50000+	7	0	0	0	0	1	0	+	21	409	5	24	2263	
	21		2		0		0		0		0	0	409	5	24	2264	
0.0	+	0	0.0	+	0	2.16730+	5	3.63820-	7	4.33460+	5	3.58520-	7	409	5	24	2265
6.50190+	5	3.58190-	7	8.66920+	5	3.58100-	7	1.08370+	6	3.58050-	7	409	5	24	2266		
1.30040+	6	3.58020-	7	1.51710+	6	3.57990-	7	1.73380+	6	3.51050-	7	409	5	24	2267		
1.95060+	6	3.07600-	7	2.16730+	6	2.76400-	7	2.38400+	6	2.43610-	7	409	5	24	2268		
2.60080+	6	2.09170-	7	2.81750+	6	1.90870-	7	3.03420+	6	1.54070-	7	409	5	24	2269		
3.25100+	6	1.34520-	7	3.46770+	6	9.52420-	8	3.68440+	6	7.45640-	8	409	5	24	2270		
3.90120+	6	5.35790-	8	4.11790+	6	1.06590-	8	4.33460+	6	0.0	+	0	409	5	24	2271	
0.0	+	0	1.60000+	7	0	0	0	0	1	0	+	21	409	5	24	2272	
	21		2		0		0		0		0	0	409	5	24	2273	
0.0	+	0	0.0	+	0	2.26640+	5	3.50940-	7	4.53270+	5	3.45520-	7	409	5	24	2274
6.79910+	5	3.45200-	7	9.06540+	5	3.45120-	7	1.13320+	6	3.45060-	7	409	5	24	2275		
1.35980+	6	3.45040-	7	1.58640+	6	3.44970-	7	1.81310+	6	3.38300-	7	409	5	24	2276		
2.03970+	6	2.96510-	7	2.26640+	6	2.66510-	7	2.49300+	6	2.34910-	7	409	5	24	2277		
2.71960+	6	2.01760-	7	2.94630+	6	1.67020-	7	3.17290+	6	1.48640-	7	409	5	24	2278		
3.39950+	6	1.11420-	7	3.62620+	6	9.19010-	8	3.85280+	6	7.19890-	8	409	5	24	2279		
4.07940+	6	5.13570-	8	4.30610+	6	1.02000-	8	4.53270+	6	0.0	+	0	409	5	24	2280	
0.0	+	0	1.70000+	7	0	0	0	0	1	0	+	21	409	5	24	2281	
	21		2		0		0		0		0	0	409	5	24	2282	
0.0	+	0	0.0	+	0	2.36400+	5	2.96400-	7	4.72800+	5	3.34550-	7	409	5	24	2283
7.09200+	5	3.34190-	7	9.45610+	5	3.34100-	7	1.18200+	6	3.34040-	7	409	5	24	2284		
1.41840+	6	3.34020-	7	1.65480+	6	3.33980-	7	1.89120+	6	3.27230-	7	409	5	24	2285		
2.12760+	6	2.87140-	7	2.36400+	6	2.58120-	7	2.60040+	6	2.27600-	7	409	5	24	2286		
2.83680+	6	1.95520-	7	3.07320+	6	1.61900-	7	3.30960+	6	1.44120-	7	409	5	24	2287		
3.54600+	6	1.08070-	7	3.78240+	6	8.91380-	8	4.01880+	6	6.98930-	8	409	5	24	2288		
4.25520+	6	4.98050-	8	4.49160+	6	1.02980-	8	4.72800+	6	0.0	+	0	409	5	24	2289	
0.0	+	0	1.80000+	7	0	0	0	0	1	0	+	21	409	5	24	2290	
	21		2		0		0		0		0	0	409	5	24	2291	
0.0	+	0	0.0	+	0	2.46040+	5	2.84810-	7	4.92080+	5	3.22330-	7	409	5	24	2292
7.38130+	5	3.21990-	7	9.84170+	5	3.21890-	7	1.23020+	6	3.21840-	7	409	5	24	2293		

1.47620+	6	3.21810-	7	1.72230+	6	3.21780-	7	1.96830+	6	3.03100-	7	409	5	24	2294			
2.21440+	6	2.76760-	7	2.46040+	6	2.48800-	7	2.70650+	6	2.19400-	7	409	5	24	2295			
2.95250+	6	1.88550-	7	3.19850+	6	1.56120-	7	3.44460+	6	1.39010-	7	409	5	24	2296			
3.69060+	6	1.04310-	7	3.93670+	6	8.60630-	8	4.18270+	6	6.75110-	8	409	5	24	2297			
4.42880+	6	4.84550-	8	4.67480+	6	9.81490-	9	4.92080+	6	0.0	+	0	409	5	24	2298		
0.0	+	0	1.90000+	7	0	0	0	0	1	0	21	409	5	24	2299			
	21		2		0		0		0		0	409	5	24	2300			
0.0	+	0	0.0	+	0	2.55570+	5	2.73510-	7	5.11140+	5	3.10330-	7	409	5	24	2301	
7.66710+	5	3.09980-	7	1.02230+	6	3.09890-	7	1.27780+	6	3.09860-	7	409	5	24	2302			
1.53340+	6	3.09830-	7	1.78900+	6	3.09790-	7	2.04450+	6	2.91850-	7	409	5	24	2303			
2.30010+	6	2.66480-	7	2.55570+	6	2.39410-	7	2.81130+	6	2.11320-	7	409	5	24	2304			
3.06680+	6	1.81650-	7	3.32240+	6	1.50480-	7	3.57800+	6	1.34000-	7	409	5	24	2305			
3.83350+	6	1.00510-	7	4.08910+	6	8.30320-	8	4.34470+	6	6.50790-	8	409	5	24	2306			
4.60020+	6	4.63710-	8	4.85580+	6	9.50430-	9	5.11140+	6	0.0	+	0	409	5	24	2307		
0.0	+	0	2.00000+	7	0	0	0	0	1	0	21	409	5	24	2308			
	21		2		0		0		0		0	409	5	24	2309			
0.0	+	0	0.0	+	0	2.64990+	5	2.65060-	7	5.29990+	5	3.01520-	7	409	5	24	2310	
7.94980+	5	3.01150-	7	1.06000+	6	3.01070-	7	1.32500+	6	3.01020-	7	409	5	24	2311			
1.59000+	6	3.00990-	7	1.85490+	6	3.00930-	7	2.11990+	6	2.83550-	7	409	5	24	2312			
2.38490+	6	2.58750-	7	2.64990+	6	2.19720-	7	2.91490+	6	1.91590-	7	409	5	24	2313			
3.17990+	6	1.76590-	7	3.44490+	6	1.46320-	7	3.70990+	6	1.30240-	7	409	5	24	2314			
3.97490+	6	9.77690-	8	4.23990+	6	8.07070-	8	4.50490+	6	6.33610-	8	409	5	24	2315			
4.76990+	6	4.43060-	8	5.03490+	6	9.05000-	9	5.29990+	6	0.0	+	0	409	5	24	2316		
												409	5	0	2317			
4.00900+	3	8.93476+	0	0	0	0	0	1	0	0	409	5	46	2318				
0.0	+	0	0.0	+	0	0	0	1	1	0	2	409	5	46	2319			
	2		2		0		0		0		0	409	5	46	2320			
1.86803+	6	1.00000+	0	2.00000+	7	1.00000+	0	0	0	0	409	5	46	2321				
0.0	+	0	0.0	+	0	0	0	0	1	0	20	409	5	46	2322			
	20		2		0		0		0		0	409	5	46	2323			
0.0	+	0	1.86803+	6	0	0	0	0	1	0	3	409	5	46	2324			
	3		2		0		0		0		0	409	5	46	2325			
0.0	+	0	0.0	+	0	6.57190+	3	1.52160-	4	1.31440+	4	0.0	+	0	409	5	46	2326
0.0	+	0	2.00000+	6	0	0	0	0	1	0	21	409	5	46	2327			
	21		2		0		0		0		0	409	5	46	2328			
0.0	+	0	0.0	+	0	4.30900+	3	1.53490-	5	8.61790+	3	1.49000-	5	409	5	46	2329	
1.29270+	4	1.56030-	5	1.72360+	4	1.73180-	5	2.15450+	4	1.55430-	5	409	5	46	2330			
2.58540+	4	1.28370-	5	3.01630+	4	1.30460-	5	3.44720+	4	1.61030-	5	409	5	46	2331			
3.87810+	4	1.58730-	5	4.30900+	4	1.56150-	5	4.73980+	4	1.52060-	5	409	5	46	2332			
5.17070+	4	1.47680-	5	5.60160+	4	1.43350-	5	6.03250+	4	9.18060-	6	409	5	46	2333			
6.46340+	4	8.90850-	6	6.89430+	4	8.68170-	6	7.32520+	4	3.12300-	6	409	5	46	2334			
7.75610+	4	3.02190-	6	8.18700+	4	2.66450-	6	8.61790+	4	0.0	+	0	409	5	46	2335		
0.0	+	0	3.00000+	6	0	0	0	0	1	0	21	409	5	46	2336			
	21		2		0		0		0		0	409	5	46	2337			
0.0	+	0	0.0	+	0	7.84400+	3	7.94440-	6	1.56880+	4	1.00510-	5	409	5	46	2338	
2.35320+	4	1.24080-	5	3.13760+	4	1.28190-	5	3.92200+	4	1.24000-	5	409	5	46	2339			
4.70640+	4	1.09090-	5	5.49080+	4	9.47790-	6	6.27520+	4	8.02490-	6	409	5	46	2340			
7.05960+	4	7.77310-	6	7.84400+	4	6.29650-	6	8.62840+	4	6.12480-	6	409	5	46	2341			
9.41280+	4	4.57700-	6	1.01970+	5	4.46000-	6	1.09820+	5	4.35830-	6	409	5	46	2342			
1.17660+	5	2.74080-	6	1.25500+	5	2.68000-	6	1.33350+	5	2.61880-	6	409	5	46	2343			
1.41190+	5	9.20380-	7	1.49040+	5	9.02250-	7	1.56880+	5	0.0	+	0	409	5	46	2344		
0.0	+	0	4.00000+	6	0	0	0	0	1	0	21	409	5	46	2345			
	21		2		0		0		0		0	409	5	46	2346			
0.0	+	0	0.0	+	0	1.07150+	4	6.10530-	6	2.14310+	4	7.78040-	6	409	5	46	2347	
3.21460+	4	9.11310-	6	4.28610+	4	7.28310-	6	5.35760+	4	8.89200-	6	409	5	46	2348			
6.42920+	4	7.82600-	6	7.50070+	4	6.80100-	6	8.57220+	4	6.58500-	6	409	5	46	2349			
9.64370+	4	5.57780-	6	1.07150+	5	5.39930-	6	1.17870+	5	4.39160-	6	409	5	46	2350			
1.28580+	5	4.28080-	6	1.39300+	5	3.19590-	6	1.50010+	5	3.12290-	6	409	5	46	2351			
1.60730+	5	1.96320-	6	1.71440+	5	1.84730-	6	1.82160+	5	1.86640-	6	409	5	46	2352			
1.92870+	5	6.55550-	7	2.03590+	5	6.38270-	7	2.14310+	5	0.0	+	0	409	5	46	2353		
0.0	+	0	5.00000+	6	0	0	0	0	1	0	21	409	5	46	2354			
	21		2		0		0		0		0	409	5	46	2355			

0.0	+	0	0.0	+	0	1.34090+	4	5.10440-	6	2.68180+	4	6.50480-	6	409	5	46	2356
4.02260+	4	6.02300-	6	5.36350+	4	6.07710-	6	6.70440+	4	5.78840-	6	409	5	46	2357		
8.04530+	4	6.41220-	6	9.38620+	4	5.67750-	6	1.07270+	5	5.49940-	6	409	5	46	2358		
1.20680+	5	4.65710-	6	1.34090+	5	4.52170-	6	1.47500+	5	3.66680-	6	409	5	46	2359		
1.60910+	5	3.57620-	6	1.74310+	5	2.66410-	6	1.87720+	5	2.60630-	6	409	5	46	2360		
2.01130+	5	1.63820-	6	2.14540+	5	1.53490-	6	2.27950+	5	1.55400-	6	409	5	46	2361		
2.41360+	5	5.47400-	7	2.54770+	5	5.24490-	7	2.68180+	5	0.0	+	0	409	5	46	2362	
0.0	+	0	6.00000+	6	0	0	0	0	1	21	409	5	46	2363			
		21	2	0	0	0	0	0	0	0	409	5	46	2364			
0.0	+	0	0.0	+	0	1.60070+	4	4.42440-	6	3.20140+	4	4.98630-	6	409	5	46	2365
4.80210+	4	5.22200-	6	6.40280+	4	5.28500-	6	8.00360+	4	4.98750-	6	409	5	46	2366		
9.60430+	4	4.58640-	6	1.12050+	5	4.93510-	6	1.28060+	5	4.78370-	6	409	5	46	2367		
1.44060+	5	4.05390-	6	1.60070+	5	3.28140-	6	1.76080+	5	3.19220-	6	409	5	46	2368		
1.92090+	5	3.11180-	6	2.08090+	5	2.29120-	6	2.24100+	5	2.26910-	6	409	5	46	2369		
2.40110+	5	1.42690-	6	2.56110+	5	1.34000-	6	2.72120+	5	1.35710-	6	409	5	46	2370		
2.88130+	5	4.75810-	7	3.04140+	5	4.62800-	7	3.20140+	5	0.0	+	0	409	5	46	2371	
0.0	+	0	7.00000+	6	0	0	0	0	1	21	409	5	46	2372			
		21	2	0	0	0	0	0	0	0	409	5	46	2373			
0.0	+	0	0.0	+	0	1.85430+	4	3.70620-	6	3.70860+	4	4.12540-	6	409	5	46	2374
5.56290+	4	4.60320-	6	7.41720+	4	4.66020-	6	9.27160+	4	4.43830-	6	409	5	46	2375		
1.11260+	5	4.05080-	6	1.29800+	5	3.55930-	6	1.48350+	5	4.22410-	6	409	5	46	2376		
1.66890+	5	3.58400-	6	1.85430+	5	2.90210-	6	2.03970+	5	2.82360-	6	409	5	46	2377		
2.22520+	5	2.74650-	6	2.41060+	5	2.01840-	6	2.59600+	5	2.00810-	6	409	5	46	2378		
2.78150+	5	1.26230-	6	2.96690+	5	1.19120-	6	3.15230+	5	1.19920-	6	409	5	46	2379		
3.33780+	5	4.21510-	7	3.52320+	5	4.04270-	7	3.70860+	5	0.0	+	0	409	5	46	2380	
0.0	+	0	8.00000+	6	0	0	0	0	1	21	409	5	46	2381			
		21	2	0	0	0	0	0	0	0	409	5	46	2382			
0.0	+	0	0.0	+	0	2.10340+	4	3.46470-	6	4.20680+	4	3.18030-	6	409	5	46	2383
6.31020+	4	3.41250-	6	8.41370+	4	3.34810-	6	1.05170+	5	4.16230-	6	409	5	46	2384		
1.26200+	5	3.73740-	6	1.47240+	5	3.34220-	6	1.68270+	5	3.79320-	6	409	5	46	2385		
1.89310+	5	3.37100-	6	2.10340+	5	2.72250-	6	2.31380+	5	2.65660-	6	409	5	46	2386		
2.52410+	5	2.35490-	6	2.73440+	5	1.89450-	6	2.94480+	5	1.88940-	6	409	5	46	2387		
3.15510+	5	1.18870-	6	3.36550+	5	1.12540-	6	3.57580+	5	1.12350-	6	409	5	46	2388		
3.78610+	5	3.96050-	7	3.99650+	5	3.78740-	7	4.20680+	5	0.0	+	0	409	5	46	2389	
0.0	+	0	9.00000+	6	0	0	0	0	1	21	409	5	46	2390			
		21	2	0	0	0	0	0	0	0	409	5	46	2391			
0.0	+	0	0.0	+	0	2.34910+	4	3.07620-	6	4.69810+	4	3.02260-	6	409	5	46	2392
7.04720+	4	3.24010-	6	9.39620+	4	2.87000-	6	1.17450+	5	2.99860-	6	409	5	46	2393		
1.40940+	5	3.62430-	6	1.64430+	5	3.18790-	6	1.87920+	5	2.68270-	6	409	5	46	2394		
2.11410+	5	3.21000-	6	2.34910+	5	2.59370-	6	2.58400+	5	2.53610-	6	409	5	46	2395		
2.81890+	5	1.89550-	6	3.05380+	5	1.80570-	6	3.28870+	5	1.80410-	6	409	5	46	2396		
3.52360+	5	1.13530-	6	3.75850+	5	1.07390-	6	3.99340+	5	1.07830-	6	409	5	46	2397		
4.22830+	5	3.74060-	7	4.46320+	5	3.61460-	7	4.69810+	5	0.0	+	0	409	5	46	2398	
0.0	+	0	1.00000+	7	0	0	0	0	1	21	409	5	46	2399			
		21	2	0	0	0	0	0	0	0	409	5	46	2400			
0.0	+	0	0.0	+	0	2.59190+	4	2.82000-	6	5.18380+	4	2.77260-	6	409	5	46	2401
7.77580+	4	2.96830-	6	1.03680+	5	2.63600-	6	1.29600+	5	2.38200-	6	409	5	46	2402		
1.55520+	5	3.33300-	6	1.81430+	5	2.86860-	6	2.07350+	5	2.47000-	6	409	5	46	2403		
2.33270+	5	2.81950-	6	2.59190+	5	2.38850-	6	2.85110+	5	2.33730-	6	409	5	46	2404		
3.11030+	5	1.74790-	6	3.36950+	5	1.66330-	6	3.62870+	5	1.66380-	6	409	5	46	2405		
3.88790+	5	1.04660-	6	4.14710+	5	9.93180-	7	4.40630+	5	9.94840-	7	409	5	46	2406		
4.66550+	5	3.46770-	7	4.92470+	5	3.29270-	7	5.18380+	5	0.0	+	0	409	5	46	2407	
0.0	+	0	1.10000+	7	0	0	0	0	1	21	409	5	46	2408			
		21	2	0	0	0	0	0	0	0	409	5	46	2409			
0.0	+	0	0.0	+	0	2.83250+	4	2.67600-	6	5.66500+	4	2.63020-	6	409	5	46	2410
8.49750+	4	2.57340-	6	1.13300+	5	2.50600-	6	1.41630+	5	2.25820-	6	409	5	46	2411		
1.69950+	5	2.34460-	6	1.98280+	5	2.72390-	6	2.26600+	5	2.35390-	6	409	5	46	2412		
2.54930+	5	2.31930-	6	2.83250+	5	2.27950-	6	3.11580+	5	2.23150-	6	409	5	46	2413		
3.39900+	5	1.66980-	6	3.68230+	5	1.58680-	6	3.96550+	5	1.58820-	6	409	5	46	2414		
4.24880+	5	1.00170-	6	4.53200+	5	9.47910-	7	4.81530+	5	9.56710-	7	409	5	46	2415		
5.09850+	5	3.31710-	7	5.38180+	5	3.25420-	7	5.66500+	5	0.0	+	0	409	5	46	2416	
0.0	+	0	1.20000+	7	0	0	0	0	1	21	409	5	46	2417			

	21		2	0	0	0	0	0	409	5	46	2418			
0.0	+ 0	0.0	+ 0	3.07120+	4	2.44860-	6	6.14230+	4	2.41180-	6	409	5	46	2419
9.21350+	4	2.36350-	6	1.22850+	5	2.30230-	6	1.53560+	5	2.08940-	6	409	5	46	2420
1.84270+	5	2.15590-	6	2.14980+	5	2.57160-	6	2.45690+	5	2.16690-	6	409	5	46	2421
2.76400+	5	2.13560-	6	3.07120+	5	2.09710-	6	3.37830+	5	2.05660-	6	409	5	46	2422
3.68540+	5	1.53860-	6	3.99250+	5	1.46050-	6	4.29960+	5	1.46370-	6	409	5	46	2423
4.60670+	5	9.23350-	7	4.91380+	5	8.72770-	7	5.22100+	5	8.81940-	7	409	5	46	2424
5.52810+	5	3.14190-	7	5.83520+	5	3.06810-	7	6.14230+	5	0.0	+ 0	409	5	46	2425
0.0	+ 0	1.30000+	7	0	0	0	0	1	21	409	5	46	2426		
	21		2	0	0	0	0	0	0	409	5	46	2427		
0.0	+ 0	0.0	+ 0	3.30810+	4	1.96730-	6	6.61630+	4	1.95710-	6	409	5	46	2428
9.92440+	4	1.81990-	6	1.32330+	5	2.22410-	6	1.65410+	5	2.04860-	6	409	5	46	2429
1.98490+	5	2.08260-	6	2.31570+	5	2.50320-	6	2.64650+	5	2.05230-	6	409	5	46	2430
2.97730+	5	2.08040-	6	3.30810+	5	1.90850-	6	3.63900+	5	2.00540-	6	409	5	46	2431
3.96980+	5	1.50140-	6	4.30060+	5	1.42190-	6	4.63140+	5	1.42690-	6	409	5	46	2432
4.96220+	5	9.02450-	7	5.29300+	5	8.50790-	7	5.62390+	5	8.83480-	7	409	5	46	2433
5.95470+	5	3.01840-	7	6.28550+	5	2.90330-	7	6.61630+	5	0.0	+ 0	409	5	46	2434
0.0	+ 0	1.40000+	7	0	0	0	0	1	21	409	5	46	2435		
	21		2	0	0	0	0	0	0	409	5	46	2436		
0.0	+ 0	0.0	+ 0	3.54370+	4	1.89820-	6	7.08740+	4	1.89100-	6	409	5	46	2437
1.06310+	5	1.75750-	6	1.41750+	5	2.14210-	6	1.77180+	5	1.98020-	6	409	5	46	2438
2.12620+	5	1.99200-	6	2.48060+	5	1.72660-	6	2.83500+	5	1.95940-	6	409	5	46	2439
3.18930+	5	2.01390-	6	3.54370+	5	1.56840-	6	3.89810+	5	1.94230-	6	409	5	46	2440
4.25240+	5	1.45420-	6	4.60680+	5	1.37640-	6	4.96120+	5	1.38610-	6	409	5	46	2441
5.31550+	5	8.74070-	7	5.66990+	5	8.27550-	7	6.02430+	5	8.53800-	7	409	5	46	2442
6.37860+	5	2.93960-	7	6.73300+	5	2.81730-	7	7.08740+	5	0.0	+ 0	409	5	46	2443
0.0	+ 0	1.50000+	7	0	0	0	0	1	21	409	5	46	2444		
	21		2	0	0	0	0	0	0	409	5	46	2445		
0.0	+ 0	0.0	+ 0	3.77800+	4	1.81110-	6	7.55590+	4	1.80490-	6	409	5	46	2446
1.13340+	5	1.67830-	6	1.51120+	5	1.56110-	6	1.88900+	5	1.89220-	6	409	5	46	2447
2.26680+	5	1.89490-	6	2.64460+	5	1.65110-	6	3.02240+	5	1.87050-	6	409	5	46	2448
3.40020+	5	1.92710-	6	3.77800+	5	1.50020-	6	4.15580+	5	1.85920-	6	409	5	46	2449
4.53360+	5	1.39360-	6	4.91130+	5	1.31710-	6	5.28910+	5	1.32830-	6	409	5	46	2450
5.66690+	5	8.36480-	7	6.04470+	5	7.90720-	7	6.42250+	5	8.04340-	7	409	5	46	2451
6.80030+	5	2.81960-	7	7.17810+	5	2.66350-	7	7.55590+	5	0.0	+ 0	409	5	46	2452
0.0	+ 0	1.60000+	7	0	0	0	0	1	21	409	5	46	2453		
	21		2	0	0	0	0	0	0	409	5	46	2454		
0.0	+ 0	0.0	+ 0	4.01110+	4	1.71800-	6	8.02220+	4	1.71270-	6	409	5	46	2455
1.20330+	5	1.59240-	6	1.60440+	5	1.48430-	6	2.00550+	5	1.79800-	6	409	5	46	2456
2.40670+	5	1.51380-	6	2.80780+	5	1.56940-	6	3.20890+	5	1.84920-	6	409	5	46	2457
3.61000+	5	1.83310-	6	4.01110+	5	1.42580-	6	4.41220+	5	1.76350-	6	409	5	46	2458
4.81330+	5	1.32600-	6	5.21440+	5	1.25210-	6	5.61550+	5	1.26410-	6	409	5	46	2459
6.01660+	5	7.96170-	7	6.41780+	5	7.50290-	7	6.81890+	5	7.54440-	7	409	5	46	2460
7.22000+	5	2.65480-	7	7.62110+	5	2.62190-	7	8.02220+	5	0.0	+ 0	409	5	46	2461
0.0	+ 0	1.70000+	7	0	0	0	0	1	21	409	5	46	2462		
	21		2	0	0	0	0	0	0	409	5	46	2463		
0.0	+ 0	0.0	+ 0	4.24320+	4	1.63980-	6	8.48640+	4	1.47550-	6	409	5	46	2464
1.27300+	5	1.51420-	6	1.69730+	5	1.42390-	6	2.12160+	5	1.71810-	6	409	5	46	2465
2.54590+	5	1.45270-	6	2.97020+	5	1.50090-	6	3.39460+	5	1.76910-	6	409	5	46	2466
3.81890+	5	1.72130-	6	4.24320+	5	1.36430-	6	4.66750+	5	1.59660-	6	409	5	46	2467
5.09180+	5	1.27130-	6	5.51620+	5	1.19850-	6	5.94050+	5	1.21030-	6	409	5	46	2468
6.36480+	5	7.65340-	7	6.78910+	5	7.18900-	7	7.21340+	5	7.27930-	7	409	5	46	2469
7.63780+	5	2.55190-	7	8.06210+	5	2.43370-	7	8.48640+	5	0.0	+ 0	409	5	46	2470
0.0	+ 0	1.80000+	7	0	0	0	0	1	21	409	5	46	2471		
	21		2	0	0	0	0	0	0	409	5	46	2472		
0.0	+ 0	0.0	+ 0	4.47440+	4	1.42130-	6	8.94880+	4	1.46290-	6	409	5	46	2473
1.34230+	5	1.49850-	6	1.78980+	5	1.42380-	6	2.23720+	5	1.69940-	6	409	5	46	2474
2.68460+	5	1.46250-	6	3.13210+	5	1.48980-	6	3.57950+	5	1.17290-	6	409	5	46	2475
4.02700+	5	1.67980-	6	4.47440+	5	1.35420-	6	4.92180+	5	1.34990-	6	409	5	46	2476
5.36930+	5	1.26380-	6	5.81670+	5	1.18920-	6	6.26410+	5	1.20030-	6	409	5	46	2477
6.71160+	5	7.59670-	7	7.15900+	5	7.11100-	7	7.60650+	5	7.15430-	7	409	5	46	2478
8.05390+	5	2.54520-	7	8.50130+	5	2.40560-	7	8.94880+	5	0.0	+ 0	409	5	46	2479

0.0	+ 0	1.90000+	7	0	0	1	21	409	5	46	2480				
	21		2	0	0	0		0	409	5	46	2481			
0.0	+ 0	0.0	+ 0	4.70470+	4	1.37730-	6	9.40950+	4	1.41790-	6	409	5	46	2482
1.41140+	5	1.45110-	6	1.88190+	5	1.38090-	6	2.35240+	5	1.19960-	6	409	5	46	2483
2.82280+	5	1.43110-	6	3.29330+	5	1.41990-	6	3.76380+	5	1.13750-	6	409	5	46	2484
4.23430+	5	1.61520-	6	4.70470+	5	1.31530-	6	5.17520+	5	1.31150-	6	409	5	46	2485
5.64570+	5	1.22850-	6	6.11620+	5	1.15700-	6	6.58660+	5	1.17180-	6	409	5	46	2486
7.05710+	5	7.39110-	7	7.52760+	5	6.91970-	7	7.99810+	5	7.22330-	7	409	5	46	2487
8.46850+	5	2.47290-	7	8.93900+	5	2.40110-	7	9.40950+	5	0.0	+ 0	409	5	46	2488
0.0	+ 0	2.00000+	7	0	0	1	21	409	5	46	2489				
	21		2	0	0	0		0	409	5	46	2490			
0.0	+ 0	0.0	+ 0	4.93430+	4	1.31700-	6	9.86860+	4	1.35620-	6	409	5	46	2491
1.48030+	5	1.38750-	6	1.97370+	5	1.32140-	6	2.46720+	5	1.14150-	6	409	5	46	2492
2.96060+	5	1.37030-	6	3.45400+	5	1.34930-	6	3.94740+	5	1.08820-	6	409	5	46	2493
4.44090+	5	1.53930-	6	4.93430+	5	1.25950-	6	5.42770+	5	1.25730-	6	409	5	46	2494
5.92120+	5	1.17610-	6	6.41460+	5	1.10810-	6	6.90800+	5	1.11950-	6	409	5	46	2495
7.40150+	5	7.08420-	7	7.89490+	5	6.60430-	7	8.38830+	5	6.41990-	7	409	5	46	2496
8.88180+	5	2.37170-	7	9.37520+	5	2.27220-	7	9.86860+	5	0.0	+ 0	409	5	46	2497
												409	5	46	2498
4.00900+	3	8.93476+	0	0	0	1	0	409	5	47	2499				
0.0	+ 0	0.0	+ 0	0	1	1	2	409	5	47	2500				
	2		2	0	0	0		0	409	5	47	2501			
2.70086+	6	1.00000+	0	2.00000+	7	1.00000+	0	409	5	47	2502				
0.0	+ 0	0.0	+ 0	0	0	1	19	409	5	47	2503				
	19		2	0	0	0		0	409	5	47	2504			
0.0	+ 0	2.70086+	6	0	0	1	3	409	5	47	2505				
	3		2	0	0	0		0	409	5	47	2506			
0.0	+ 0	0.0	+ 0	3.39170+	5	2.94840-	6	6.78330+	5	0.0	+ 0	409	5	47	2507
0.0	+ 0	3.00000+	6	0	0	1	21	409	5	47	2508				
	21		2	0	0	0		0	409	5	47	2509			
0.0	+ 0	0.0	+ 0	5.54410+	4	0.0	+ 0	1.10880+	5	0.0	+ 0	409	5	47	2510
1.66320+	5	0.0	+ 0	2.21760+	5	0.0	+ 0	2.77200+	5	0.0	+ 0	409	5	47	2511
3.32640+	5	0.0	+ 0	3.88090+	5	5.51090-	7	4.43530+	5	1.02720-	6	409	5	47	2512
4.98970+	5	1.66780-	6	5.54410+	5	1.74340-	6	6.09850+	5	1.57530-	6	409	5	47	2513
6.65290+	5	1.64500-	6	7.20730+	5	1.71780-	6	7.76170+	5	1.79430-	6	409	5	47	2514
8.31610+	5	1.83190-	6	8.87050+	5	1.74350-	6	9.42490+	5	1.43650-	6	409	5	47	2515
9.97930+	5	8.13580-	7	1.05340+	6	4.90060-	7	1.10880+	6	0.0	+ 0	409	5	47	2516
0.0	+ 0	4.00000+	6	0	0	1	21	409	5	47	2517				
	21		2	0	0	0		0	409	5	47	2518			
0.0	+ 0	0.0	+ 0	6.49400+	4	0.0	+ 0	1.29880+	5	0.0	+ 0	409	5	47	2519
1.94820+	5	0.0	+ 0	2.59760+	5	4.46780-	8	3.24700+	5	4.66790-	7	409	5	47	2520
3.89640+	5	8.22390-	7	4.54580+	5	1.08200-	6	5.19520+	5	1.35580-	6	409	5	47	2521
5.84460+	5	1.48240-	6	6.49400+	5	1.44430-	6	7.14340+	5	1.51950-	6	409	5	47	2522
7.79280+	5	1.43200-	6	8.44220+	5	1.42110-	6	9.09160+	5	1.28180-	6	409	5	47	2523
9.74100+	5	1.00020-	6	1.03900+	6	8.52760-	7	1.10400+	6	5.53770-	7	409	5	47	2524
1.16890+	6	3.98620-	7	1.23390+	6	2.40790-	7	1.29880+	6	0.0	+ 0	409	5	47	2525
0.0	+ 0	5.00000+	6	0	0	1	21	409	5	47	2526				
	21		2	0	0	0		0	409	5	47	2527			
0.0	+ 0	0.0	+ 0	7.21570+	4	0.0	+ 0	1.44310+	5	0.0	+ 0	409	5	47	2528
2.16470+	5	1.01370-	7	2.88630+	5	4.10020-	7	3.60780+	5	6.77290-	7	409	5	47	2529
4.32940+	5	9.72870-	7	5.05100+	5	1.19010-	6	5.77260+	5	1.38150-	6	409	5	47	2530
6.49410+	5	1.26250-	6	7.21570+	5	1.33740-	6	7.93730+	5	1.28510-	6	409	5	47	2531
8.65880+	5	1.16000-	6	9.38040+	5	1.05880-	6	1.01020+	6	8.54270-	7	409	5	47	2532
1.08240+	6	7.46610-	7	1.15450+	6	5.28350-	7	1.22670+	6	4.14340-	7	409	5	47	2533
1.29880+	6	2.98490-	7	1.37100+	6	1.79700-	7	1.44310+	6	0.0	+ 0	409	5	47	2534
0.0	+ 0	6.00000+	6	0	0	1	21	409	5	47	2535				
	21		2	0	0	0		0	409	5	47	2536			
0.0	+ 0	0.0	+ 0	7.85000+	4	0.0	+ 0	1.57000+	5	1.80860-	8	409	5	47	2537
2.35500+	5	3.22580-	7	3.14000+	5	5.41800-	7	3.92500+	5	7.87630-	7	409	5	47	2538
4.71000+	5	9.71160-	7	5.49500+	5	1.16590-	6	6.28000+	5	1.27730-	6	409	5	47	2539
7.06500+	5	1.18360-	6	7.85000+	5	1.20550-	6	8.63500+	5	1.05110-	6	409	5	47	2540
9.41990+	5	9.68860-	7	1.02050+	6	8.02690-	7	1.09900+	6	7.14850-	7	409	5	47	2541

1.17750+	6	5.36550-	7	1.25600+	6	4.42920-	7	1.33450+	6	3.47630-	7	409	5	47	2542			
1.41300+	6	2.50470-	7	1.49150+	6	1.50310-	7	1.57000+	6	0.0	+	0	409	5	47	2543		
0.0	+	0	7.00000+	6	0	0	0	1	0	21	409	5	47	2544				
	21		2		0		0		0		0	409	5	47	2545			
0.0	+	0	0.0	+	0	8.43210+	4	0.0	+	0	1.68640+	5	1.60930-	7	409	5	47	2546
2.52960+	5	3.92840-	7	3.37290+	5	6.00810-	7	4.21610+	5	8.34520-	7	409	5	47	2547			
5.05930+	5	1.01010-	6	5.90250+	5	1.07950-	6	6.74570+	5	1.15800-	6	409	5	47	2548			
7.58890+	5	1.13890-	6	8.43210+	5	1.06270-	6	9.27530+	5	9.27520-	7	409	5	47	2549			
1.01190+	6	7.85120-	7	1.09620+	6	7.09370-	7	1.18050+	6	5.55970-	7	409	5	47	2550			
1.26480+	6	4.74970-	7	1.34910+	6	3.92270-	7	1.43350+	6	3.07920-	7	409	5	47	2551			
1.51780+	6	2.22520-	7	1.60210+	6	4.55080-	8	1.68640+	6	0.0	+	0	409	5	47	2552		
0.0	+	0	8.00000+	6	0	0	0	1	0	21	409	5	47	2553				
	21		2		0		0		0		0	409	5	47	2554			
0.0	+	0	0.0	+	0	8.97820+	4	0.0	+	0	1.79560+	5	2.83360-	7	409	5	47	2555
2.69350+	5	4.66950-	7	3.59130+	5	6.74990-	7	4.48910+	5	8.33870-	7	409	5	47	2556			
5.38690+	5	1.00360-	6	6.28480+	5	1.02190-	6	7.18260+	5	1.10280-	6	409	5	47	2557			
8.08040+	5	1.03920-	6	8.97820+	5	9.19100-	7	9.87610+	5	7.92050-	7	409	5	47	2558			
1.07740+	6	7.24040-	7	1.16720+	6	5.86540-	7	1.25700+	6	5.13500-	7	409	5	47	2559			
1.34670+	6	4.38830-	7	1.43650+	6	3.62700-	7	1.52630+	6	2.07070-	7	409	5	47	2560			
1.61610+	6	1.25450-	7	1.70590+	6	4.21400-	8	1.79560+	6	0.0	+	0	409	5	47	2561		
0.0	+	0	9.00000+	6	0	0	0	1	0	21	409	5	47	2562				
	21		2		0		0		0		0	409	5	47	2563			
0.0	+	0	0.0	+	0	9.49730+	4	7.94150-	8	1.89950+	5	3.46850-	7	409	5	47	2564	
2.84920+	5	5.32140-	7	3.79890+	5	6.76160-	7	4.74860+	5	8.29420-	7	409	5	47	2565			
5.69840+	5	9.94060-	7	6.64810+	5	1.01610-	6	7.59780+	5	1.00710-	6	409	5	47	2566			
8.54750+	5	9.01010-	7	9.49730+	5	7.88360-	7	1.04470+	6	7.27630-	7	409	5	47	2567			
1.13970+	6	6.05080-	7	1.23460+	6	5.39540-	7	1.32960+	6	4.72530-	7	409	5	47	2568			
1.42460+	6	4.03950-	7	1.51960+	6	2.64350-	7	1.61450+	6	1.90890-	7	409	5	47	2569			
1.70950+	6	1.15850-	7	1.80450+	6	3.90100-	8	1.89950+	6	0.0	+	0	409	5	47	2570		
0.0	+	0	1.00000+	7	0	0	0	1	0	21	409	5	47	2571				
	21		2		0		0		0		0	409	5	47	2572			
0.0	+	0	0.0	+	0	9.99490+	4	1.34230-	7	1.99900+	5	3.60490-	7	409	5	47	2573	
2.99850+	5	5.40430-	7	3.99800+	5	6.80820-	7	4.99750+	5	8.30760-	7	409	5	47	2574			
5.99700+	5	9.93170-	7	6.99650+	5	9.76570-	7	7.99590+	5	9.30310-	7	409	5	47	2575			
8.99540+	5	8.32870-	7	9.99490+	5	7.29260-	7	1.09940+	6	6.19430-	7	409	5	47	2576			
1.19940+	6	5.60360-	7	1.29930+	6	4.99870-	7	1.39930+	6	4.38060-	7	409	5	47	2577			
1.49920+	6	3.11980-	7	1.59920+	6	2.45390-	7	1.69910+	6	1.77290-	7	409	5	47	2578			
1.79910+	6	1.07510-	7	1.89900+	6	3.63110-	8	1.99900+	6	0.0	+	0	409	5	47	2579		
0.0	+	0	1.10000+	7	0	0	0	1	0	21	409	5	47	2580				
	21		2		0		0		0		0	409	5	47	2581			
0.0	+	0	0.0	+	0	1.04750+	5	1.86210-	7	2.09500+	5	4.24050-	7	409	5	47	2582	
3.14250+	5	5.58150-	7	4.19010+	5	6.98590-	7	5.23760+	5	8.49500-	7	409	5	47	2583			
6.28510+	5	9.14580-	7	7.33260+	5	8.78650-	7	8.38010+	5	8.33530-	7	409	5	47	2584			
9.42760+	5	7.39420-	7	1.04750+	6	6.88240-	7	1.15230+	6	5.85010-	7	409	5	47	2585			
1.25700+	6	5.29380-	7	1.36180+	6	4.72350-	7	1.46650+	6	3.56770-	7	409	5	47	2586			
1.57130+	6	2.95230-	7	1.67600+	6	2.32370-	7	1.78080+	6	1.67960-	7	409	5	47	2587			
1.88550+	6	1.01970-	7	1.99030+	6	3.44690-	8	2.09500+	6	0.0	+	0	409	5	47	2588		
0.0	+	0	1.20000+	7	0	0	0	1	0	21	409	5	47	2589				
	21		2		0		0		0		0	409	5	47	2590			
0.0	+	0	0.0	+	0	1.09410+	5	2.33440-	7	2.18810+	5	4.37840-	7	409	5	47	2591	
3.28220+	5	5.71890-	7	4.37630+	5	7.12630-	7	5.47040+	5	7.92940-	7	409	5	47	2592			
6.56440+	5	8.96670-	7	7.65850+	5	8.63410-	7	8.75260+	5	7.81340-	7	409	5	47	2593			
9.84670+	5	6.93530-	7	1.09410+	6	5.99990-	7	1.20350+	6	5.49230-	7	409	5	47	2594			
1.31290+	6	4.97200-	7	1.42230+	6	3.91780-	7	1.53170+	6	3.35420-	7	409	5	47	2595			
1.64110+	6	2.77710-	7	1.75050+	6	2.18610-	7	1.85990+	6	1.58080-	7	409	5	47	2596			
1.96930+	6	9.60170-	8	2.07870+	6	3.24440-	8	2.18810+	6	0.0	+	0	409	5	47	2597		
0.0	+	0	1.30000+	7	0	0	0	1	0	21	409	5	47	2598				
	21		2		0		0		0		0	409	5	47	2599			
0.0	+	0	0.0	+	0	1.13940+	5	2.50760-	7	2.27880+	5	4.58290-	7	409	5	47	2600	
3.41820+	5	5.95380-	7	4.55750+	5	6.75790-	7	5.69690+	5	8.22310-	7	409	5	47	2601			
6.83630+	5	8.53320-	7	7.97570+	5	7.85880-	7	9.11510+	5	7.05540-	7	409	5	47	2602			
1.02540+	6	6.61450-	7	1.13940+	6	5.72580-	7	1.25330+	6	5.24340-	7	409	5	47	2603			

1.36730+	6	4.26840-	7	1.48120+	6	3.74390-	7	1.59510+	6	3.20680-	7	409	5	47	2604		
1.70910+	6	2.65610-	7	1.82300+	6	2.09150-	7	1.93700+	6	1.51310-	7	409	5	47	2605		
2.05090+	6	9.19440-	8	2.16480+	6	3.11150-	8	2.27880+	6	0.0	+	0	409	5	47	2606	
0.0	+	0	1.40000+	7		0		0	1			21	409	5	47	2607	
	21		2		0		0		0			0	409	5	47	2608	
0.0	+	0	0.0	+	0	1.18360+	5	2.70590-	7	2.36720+	5	4.39390-	7	409	5	47	2609
3.55080+	5	5.71930-	7	4.73450+	5	7.12480-	7	5.91810+	5	7.92480-	7	409	5	47	2610		
7.10170+	5	7.90630-	7	8.28530+	5	7.59480-	7	9.46890+	5	6.82180-	7	409	5	47	2611		
1.06530+	6	5.99380-	7	1.18360+	6	5.54080-	7	1.30200+	6	4.62820-	7	409	5	47	2612		
1.42030+	6	4.13390-	7	1.53870+	6	3.62730-	7	1.65710+	6	3.10750-	7	409	5	47	2613		
1.77540+	6	2.57440-	7	1.89380+	6	2.02770-	7	2.01210+	6	1.46720-	7	409	5	47	2614		
2.13050+	6	8.92630-	8	2.24890+	6	3.02360-	8	2.36720+	6	0.0	+	0	409	5	47	2615	
0.0	+	0	1.50000+	7		0		0	1			21	409	5	47	2616	
	21		2		0		0		0			0	409	5	47	2617	
0.0	+	0	0.0	+	0	1.22690+	5	2.83820-	7	2.45380+	5	4.55860-	7	409	5	47	2618
3.68070+	5	5.91740-	7	4.90760+	5	6.71340-	7	6.13440+	5	7.47630-	7	409	5	47	2619		
7.36130+	5	7.85880-	7	8.58820+	5	7.18380-	7	9.81510+	5	6.45550-	7	409	5	47	2620		
1.10420+	6	5.67460-	7	1.22690+	6	5.24730-	7	1.34960+	6	4.38540-	7	409	5	47	2621		
1.47230+	6	3.91840-	7	1.59500+	6	3.43920-	7	1.71760+	6	2.94700-	7	409	5	47	2622		
1.84030+	6	2.44230-	7	1.96300+	6	1.92420-	7	2.08570+	6	1.39260-	7	409	5	47	2623		
2.20840+	6	8.47050-	8	2.33110+	6	2.87050-	8	2.45380+	6	0.0	+	0	409	5	47	2624	
0.0	+	0	1.60000+	7		0		0	1			21	409	5	47	2625	
	21		2		0		0		0			0	409	5	47	2626	
0.0	+	0	0.0	+	0	1.26930+	5	2.99520-	7	2.53860+	5	4.77990-	7	409	5	47	2627
3.80790+	5	5.63170-	7	5.07730+	5	7.03600-	7	6.34660+	5	7.69540-	7	409	5	47	2628		
7.61590+	5	7.51320-	7	8.88520+	5	6.54620-	7	1.01550+	6	5.82880-	7	409	5	47	2629		
1.14240+	6	5.43250-	7	1.26930+	6	4.63630-	7	1.39620+	6	4.20140-	7	409	5	47	2630		
1.52320+	6	3.75500-	7	1.65010+	6	3.29670-	7	1.77700+	6	2.82560-	7	409	5	47	2631		
1.90400+	6	2.34180-	7	2.03090+	6	1.84560-	7	2.15780+	6	1.33630-	7	409	5	47	2632		
2.28480+	6	8.12490-	8	2.41170+	6	2.72660-	8	2.53860+	6	0.0	+	0	409	5	47	2633	
0.0	+	0	1.70000+	7		0		0	1			21	409	5	47	2634	
	21		2		0		0		0			0	409	5	47	2635	
0.0	+	0	0.0	+	0	1.31100+	5	3.16540-	7	2.62200+	5	4.56690-	7	409	5	47	2636
3.93300+	5	5.94250-	7	5.24390+	5	6.74640-	7	6.55490+	5	7.38830-	7	409	5	47	2637		
7.86590+	5	6.93230-	7	9.17690+	5	6.29530-	7	1.04880+	6	5.60770-	7	409	5	47	2638		
1.17990+	6	5.22780-	7	1.31100+	6	4.46370-	7	1.44210+	6	4.04580-	7	409	5	47	2639		
1.59320+	6	3.21730-	7	1.70430+	6	3.17650-	7	1.83540+	6	2.72430-	7	409	5	47	2640		
1.96650+	6	2.25720-	7	2.09760+	6	1.78060-	7	2.22870+	6	1.28980-	7	409	5	47	2641		
2.35980+	6	7.85280-	8	2.49090+	6	2.65370-	8	2.62200+	6	0.0	+	0	409	5	47	2642	
0.0	+	0	1.80000+	7		0		0	1			21	409	5	47	2643	
	21		2		0		0		0			0	409	5	47	2644	
0.0	+	0	0.0	+	0	1.35200+	5	3.39960-	7	2.70390+	5	4.91250-	7	409	5	47	2645
4.05590+	5	5.79560-	7	5.40790+	5	6.58880-	7	6.75990+	5	6.96450-	7	409	5	47	2646		
8.11180+	5	6.78740-	7	9.46380+	5	6.16570-	7	1.08160+	6	5.49470-	7	409	5	47	2647		
1.21680+	6	4.77360-	7	1.35200+	6	4.37630-	7	1.48720+	6	3.96790-	7	409	5	47	2648		
1.62240+	6	3.54790-	7	1.75760+	6	2.69540-	7	1.89280+	6	2.23570-	7	409	5	47	2649		
2.02800+	6	2.21480-	7	2.16320+	6	1.74740-	7	2.29840+	6	1.26650-	7	409	5	47	2650		
2.43350+	6	7.70840-	8	2.56870+	6	2.60920-	8	2.70390+	6	0.0	+	0	409	5	47	2651	
0.0	+	0	1.90000+	7		0		0	1			21	409	5	47	2652	
	21		2		0		0		0			0	409	5	47	2653	
0.0	+	0	0.0	+	0	1.39230+	5	3.33010-	7	2.78470+	5	4.82250-	7	409	5	47	2654
4.17700+	5	5.69920-	7	5.56930+	5	6.48780-	7	6.96170+	5	6.86730-	7	409	5	47	2655		
8.35400+	5	6.69930-	7	9.74630+	5	5.78150-	7	1.11390+	6	5.42730-	7	409	5	47	2656		
1.25310+	6	4.71710-	7	1.39230+	6	4.32560-	7	1.53160+	6	3.92270-	7	409	5	47	2657		
1.67080+	6	3.10830-	7	1.81000+	6	2.66690-	7	1.94930+	6	2.21300-	7	409	5	47	2658		
2.08850+	6	1.74620-	7	2.22770+	6	1.73000-	7	2.36700+	6	1.25450-	7	409	5	47	2659		
2.50620+	6	7.64210-	8	2.64540+	6	2.58630-	8	2.78470+	6	0.0	+	0	409	5	47	2660	
0.0	+	0	2.00000+	7		0		0	1			21	409	5	47	2661	
	21		2		0		0		0			0	409	5	47	2662	
0.0	+	0	0.0	+	0	1.43210+	5	3.54800-	7	2.86430+	5	4.66230-	7	409	5	47	2663
4.29640+	5	5.51830-	7	5.72850+	5	6.28980-	7	7.16060+	5	7.05390-	7	409	5	47	2664		
8.59280+	5	6.23470-	7	1.00250+	6	5.62080-	7	1.14570+	6	5.27780-	7	409	5	47	2665		

1.28890+	6	4.58850-	7	1.43210+	6	4.20850-	7	1.57530+	6	3.44340-	7	409	5	47	2666				
1.71860+	6	3.02610-	7	1.86180+	6	2.59680-	7	2.00500+	6	2.15540-	7	409	5	47	2667				
2.14820+	6	1.70120-	7	2.29140+	6	1.68470-	7	2.43460+	6	1.22230-	7	409	5	47	2668				
2.57780+	6	7.43500-	8	2.72100+	6	2.50500-	8	2.86430+	6	0.0	+	0	409	5	47	2669			
													409	5	0	2670			
4.00900+	3	8.93476+	0		0		0		1		0	409	5	48	2671				
0.0	+	0	0.0	+	0		0		1		2	409	5	48	2672				
	2		2		0		0		0		0	409	5	48	2673				
5.22604+	6	1.00000+	0	2.00000+	7	1.00000+	0					409	5	48	2674				
0.0	+	0	0.0	+	0		0		1		16	409	5	48	2675				
	16		2		0		0		0		0	409	5	48	2676				
0.0	+	0	5.22604+	6		0	0		1		3	409	5	48	2677				
	3		2		0		0		0		0	409	5	48	2678				
0.0	+	0	0.0	+	0	1.34760+	6	7.42060-	7	2.69520+	6	0.0	+	0	409	5	48	2679	
0.0	+	0	6.00000+	6		0	0		1		21	409	5	48	2680				
	21		2		0		0		0		0	409	5	48	2681				
0.0	+	0	0.0	+	0	1.95390+	5	0.0	+	0	3.90780+	5	0.0	+	0	409	5	48	2682
5.86170+	5	0.0	+	0	7.81560+	5	0.0	+	0	9.76950+	5	0.0	+	0	409	5	48	2683	
1.17230+	6	0.0	+	0	1.36770+	6	0.0	+	0	1.56310+	6	0.0	+	0	409	5	48	2684	
1.75850+	6	3.68250-	8	1.95390+	6	3.48660-	7	2.14930+	6	5.97010-	7	409	5	48	2685				
2.34470+	6	5.77090-	7	2.54010+	6	6.88990-	7	2.73550+	6	6.22570-	7	409	5	48	2686				
2.93090+	6	6.42030-	7	3.12620+	6	5.71010-	7	3.32160+	6	5.37240-	7	409	5	48	2687				
3.51700+	6	3.46300-	7	3.71240+	6	1.50250-	7	3.90780+	6	0.0	+	0	409	5	48	2688			
0.0	+	0	7.00000+	6		0	0		1		21	409	5	48	2689				
	21		2		0		0		0		0	409	5	48	2690				
0.0	+	0	0.0	+	0	2.08510+	5	0.0	+	0	4.17010+	5	0.0	+	0	409	5	48	2691
6.25520+	5	0.0	+	0	8.34020+	5	0.0	+	0	1.04250+	6	0.0	+	0	409	5	48	2692	
1.25100+	6	0.0	+	0	1.45950+	6	0.0	+	0	1.66800+	6	1.21380-	7	409	5	48	2693		
1.87650+	6	2.75740-	7	2.08510+	6	4.39090-	7	2.29360+	6	5.86910-	7	409	5	48	2694				
2.50210+	6	5.55810-	7	2.71060+	6	5.74510-	7	2.91910+	6	5.38360-	7	409	5	48	2695				
3.12760+	6	5.56230-	7	3.33610+	6	4.72220-	7	3.54460+	6	3.51030-	7	409	5	48	2696				
3.75310+	6	2.26440-	7	3.96160+	6	9.83260-	8	4.17010+	6	0.0	+	0	409	5	48	2697			
0.0	+	0	8.00000+	6		0	0		1		21	409	5	48	2698				
	21		2		0		0		0		0	409	5	48	2699				
0.0	+	0	0.0	+	0	2.19250+	5	0.0	+	0	4.38510+	5	0.0	+	0	409	5	48	2700
6.57760+	5	0.0	+	0	8.77010+	5	0.0	+	0	1.09630+	6	0.0	+	0	409	5	48	2701	
1.31550+	6	0.0	+	0	1.53480+	6	9.31380-	8	1.75400+	6	2.12690-	7	409	5	48	2702			
1.97330+	6	3.39830-	7	2.19250+	6	4.74610-	7	2.41180+	6	5.11830-	7	409	5	48	2703				
2.63100+	6	5.30420-	7	2.85030+	6	5.07580-	7	3.06950+	6	5.25690-	7	409	5	48	2704				
3.28880+	6	4.63030-	7	3.50800+	6	3.70770-	7	3.72730+	6	2.75850-	7	409	5	48	2705				
3.94660+	6	1.78030-	7	4.16580+	6	7.74760-	8	4.38510+	6	0.0	+	0	409	5	48	2706			
0.0	+	0	9.00000+	6		0	0		1		21	409	5	48	2707				
	21		2		0		0		0		0	409	5	48	2708				
0.0	+	0	0.0	+	0	2.28810+	5	0.0	+	0	4.57630+	5	0.0	+	0	409	5	48	2709
6.86440+	5	0.0	+	0	9.15250+	5	0.0	+	0	1.14410+	6	0.0	+	0	409	5	48	2710	
1.37290+	6	4.74530-	8	1.60170+	6	1.47820-	7	1.83050+	6	2.55650-	7	409	5	48	2711				
2.05930+	6	3.70630-	7	2.28810+	6	4.92830-	7	2.51690+	6	5.29010-	7	409	5	48	2712				
2.74580+	6	5.14290-	7	2.97460+	6	4.97120-	7	3.20340+	6	4.44250-	7	409	5	48	2713				
3.43220+	6	3.65140-	7	3.66100+	6	2.83470-	7	3.88980+	6	1.99200-	7	409	5	48	2714				
4.11860+	6	1.55810-	7	4.34740+	6	6.77170-	8	4.57630+	6	0.0	+	0	409	5	48	2715			
0.0	+	0	1.00000+	7		0	0		1		21	409	5	48	2716				
	21		2		0		0		0		0	409	5	48	2717				
0.0	+	0	0.0	+	0	2.37610+	5	0.0	+	0	4.75210+	5	0.0	+	0	409	5	48	2718
7.12820+	5	0.0	+	0	9.50430+	5	0.0	+	0	1.18800+	6	0.0	+	0	409	5	48	2719	
1.42560+	6	9.90680-	8	1.66320+	6	1.91870-	7	1.90090+	6	2.91430-	7	409	5	48	2720				
2.13850+	6	3.97820-	7	2.37610+	6	4.73190-	7	2.61370+	6	4.77580-	7	409	5	48	2721				
2.85130+	6	4.65420-	7	3.08890+	6	4.62960-	7	3.32650+	6	3.95140-	7	409	5	48	2722				
3.56410+	6	3.24920-	7	3.80170+	6	2.52420-	7	4.03930+	6	1.77520-	7	409	5	48	2723				
4.27690+	6	1.38820-	7	4.51450+	6	6.04790-	8	4.75210+	6	0.0	+	0	409	5	48	2724			
0.0	+	0	1.10000+	7		0	0		1		21	409	5	48	2725				
	21		2		0		0		0		0	409	5	48	2726				
0.0	+	0	0.0	+	0	2.45850+	5	0.0	+	0	4.91690+	5	0.0	+	0	409	5	48	2727

7.37540+	5	0.0	+	0	9.83390+	5	0.0	+	0	1.22920+	6	3.68130-	8	409	5	48	2728		
1.47510+	6	1.43320-	7	1.72090+	6	2.31230-	7	1.96680+	6	3.25740-	7	409	5	48	2729				
2.21260+	6	3.93150-	7	2.45850+	6	4.50310-	7	2.70430+	6	4.42090-	7	409	5	48	2730				
2.95020+	6	4.60910-	7	3.19600+	6	4.21210-	7	3.44190+	6	3.28490-	7	409	5	48	2731				
3.68770+	6	2.95960-	7	3.93350+	6	2.29970-	7	4.17940+	6	1.61820-	7	409	5	48	2732				
4.42520+	6	9.13720-	8	4.67110+	6	5.51960-	8	4.91690+	6	0.0	+	0	409	5	48	2733			
0.0	+	0	1.20000+	7	0	0	0	0	1	21	409	5	48	2734					
	21		2		0	0	0	0	0	0	409	5	48	2735					
0.0	+	0	0.0	+	0	2.53660+	5	0.0	+	0	5.07320+	5	0.0	+	0	409	5	48	2736
7.60980+	5	0.0	+	0	1.01460+	6	0.0	+	0	1.26830+	6	8.15440-	8	409	5	48	2737		
1.52200+	6	1.59120-	7	1.77560+	6	2.43150-	7	2.02930+	6	3.33650-	7	409	5	48	2738				
2.28290+	6	3.98310-	7	2.53660+	6	4.28990-	7	2.79020+	6	4.48220-	7	409	5	48	2739				
3.04390+	6	4.22730-	7	3.29760+	6	3.66360-	7	3.55120+	6	3.07850-	7	409	5	48	2740				
3.80490+	6	2.47200-	7	4.05850+	6	2.15720-	7	4.31220+	6	1.51860-	7	409	5	48	2741				
4.56590+	6	8.58140-	8	4.81950+	6	5.17940-	8	5.07320+	6	0.0	+	0	409	5	48	2742			
0.0	+	0	1.30000+	7	0	0	0	0	1	21	409	5	48	2743					
	21		2		0	0	0	0	0	0	409	5	48	2744					
0.0	+	0	0.0	+	0	2.61130+	5	0.0	+	0	5.22250+	5	0.0	+	0	409	5	48	2745
7.83380+	5	0.0	+	0	1.04450+	6	9.74050-	9	1.30560+	6	9.68910-	8	409	5	48	2746			
1.56680+	6	1.94620-	7	1.82790+	6	2.75840-	7	2.08900+	6	3.34310-	7	409	5	48	2747				
2.35010+	6	3.95420-	7	2.61130+	6	4.25630-	7	2.87240+	6	4.21720-	7	409	5	48	2748				
3.13350+	6	3.89200-	7	3.39460+	6	3.37430-	7	3.65580+	6	2.83690-	7	409	5	48	2749				
3.91690+	6	2.27910-	7	4.17800+	6	1.70080-	7	4.43910+	6	1.40100-	7	409	5	48	2750				
4.70030+	6	7.92050-	8	4.96140+	6	4.78150-	8	5.22250+	6	0.0	+	0	409	5	48	2751			
0.0	+	0	1.40000+	7	0	0	0	0	1	21	409	5	48	2752					
	21		2		0	0	0	0	0	0	409	5	48	2753					
0.0	+	0	0.0	+	0	2.68300+	5	0.0	+	0	5.36610+	5	0.0	+	0	409	5	48	2754
8.04910+	5	0.0	+	0	1.07320+	6	4.73340-	8	1.34150+	6	1.32430-	7	409	5	48	2755			
1.60980+	6	2.03920-	7	1.87810+	6	2.81520-	7	2.14640+	6	3.37510-	7	409	5	48	2756				
2.41470+	6	3.96070-	7	2.68300+	6	4.05000-	7	2.95140+	6	4.08670-	7	409	5	48	2757				
3.21970+	6	3.39200-	7	3.48800+	6	2.90170-	7	3.75630+	6	2.64510-	7	409	5	48	2758				
4.02460+	6	2.12580-	7	4.29290+	6	1.58740-	7	4.56120+	6	1.30810-	7	409	5	48	2759				
4.82950+	6	7.39810-	8	5.09780+	6	4.46640-	8	5.36610+	6	0.0	+	0	409	5	48	2760			
0.0	+	0	1.50000+	7	0	0	0	0	1	21	409	5	48	2761					
	21		2		0	0	0	0	0	0	409	5	48	2762					
0.0	+	0	0.0	+	0	2.75240+	5	0.0	+	0	5.50480+	5	0.0	+	0	409	5	48	2763
8.25720+	5	0.0	+	0	1.10100+	6	6.40150-	8	1.37620+	6	1.47420-	7	409	5	48	2764			
1.65140+	6	2.17750-	7	1.92670+	6	2.68900-	7	2.20190+	6	3.49540-	7	409	5	48	2765				
2.47720+	6	3.97730-	7	2.75240+	6	3.87840-	7	3.02760+	6	3.70330-	7	409	5	48	2766				
3.30290+	6	3.25330-	7	3.57810+	6	2.78420-	7	3.85340+	6	2.29630-	7	409	5	48	2767				
4.12860+	6	2.04110-	7	4.40390+	6	1.52490-	7	4.67910+	6	1.25700-	7	409	5	48	2768				
4.95430+	6	7.11140-	8	5.22960+	6	4.28700-	8	5.50480+	6	0.0	+	0	409	5	48	2769			
0.0	+	0	1.60000+	7	0	0	0	0	1	21	409	5	48	2770					
	21		2		0	0	0	0	0	0	409	5	48	2771					
0.0	+	0	0.0	+	0	2.81970+	5	0.0	+	0	5.63930+	5	0.0	+	0	409	5	48	2772
8.45900+	5	7.58030-	9	1.12790+	6	7.96480-	8	1.40980+	6	1.61940-	7	409	5	48	2773				
1.69180+	6	2.31510-	7	1.97380+	6	2.82220-	7	2.25570+	6	3.35450-	7	409	5	48	2774				
2.53770+	6	3.82040-	7	2.81970+	6	3.82450-	7	3.10160+	6	3.56370-	7	409	5	48	2775				
3.38360+	6	3.13180-	7	3.66560+	6	2.68130-	7	3.94750+	6	2.21230-	7	409	5	48	2776				
4.22950+	6	1.72460-	7	4.51150+	6	1.47010-	7	4.79340+	6	9.53520-	8	409	5	48	2777				
5.07540+	6	6.86130-	8	5.35740+	6	4.13430-	8	5.63930+	6	0.0	+	0	409	5	48	2778			
0.0	+	0	1.70000+	7	0	0	0	0	1	21	409	5	48	2779					
	21		2		0	0	0	0	0	0	409	5	48	2780					
0.0	+	0	0.0	+	0	2.88510+	5	0.0	+	0	5.77010+	5	0.0	+	0	409	5	48	2781
8.65520+	5	2.28380-	8	1.15400+	6	1.09610-	7	1.44250+	6	1.70730-	7	409	5	48	2782				
1.73100+	6	2.37820-	7	2.01950+	6	2.86720-	7	2.30810+	6	3.38170-	7	409	5	48	2783				
2.59660+	6	3.66030-	7	2.88510+	6	3.57590-	7	3.17360+	6	3.33370-	7	409	5	48	2784				
3.46210+	6	2.93010-	7	3.75060+	6	2.51020-	7	4.03910+	6	2.07200-	7	409	5	48	2785				
4.32760+	6	1.61580-	7	4.61610+	6	1.37780-	7	4.90460+	6	8.94400-	8	409	5	48	2786				
5.19310+	6	6.43440-	8	5.48160+	6	3.88660-	8	5.77010+	6	0.0	+	0	409	5	48	2787			
0.0	+	0	1.80000+	7	0	0	0	0	1	21	409	5	48	2788					
	21		2		0	0	0	0	0	0	409	5	48	2789					

0.0	+ 0	0.0	+ 0	2.94880+	5	0.0	+ 0	5.89770+	5	0.0	+ 0	409	5	48	2790
8.84650+	5	3.78460-	8	1.17950+	6	1.07720-	7	1.47440+	6	1.88120-	7	409	5	48	2791
1.76930+	6	2.34010-	7	2.06420+	6	2.82360-	7	2.35910+	6	3.33260-	7	409	5	48	2792
2.65390+	6	3.61050-	7	2.94880+	6	3.48750-	7	3.24370+	6	3.10010-	7	409	5	48	2793
3.53860+	6	2.69450-	7	3.83350+	6	2.27110-	7	4.12840+	6	2.04840-	7	409	5	48	2794
4.42320+	6	1.59810-	7	4.71810+	6	1.36290-	7	5.01300+	6	8.84970-	8	409	5	48	2795
5.30790+	6	6.36650-	8	5.60280+	6	3.83860-	8	5.89770+	6	0.0	+ 0	409	5	48	2796
0.0	+ 0	1.90000+	7	0	0	0	0	1	0	21	409	5	48	2797	
	21		2		0		0		0		0	409	5	48	2798
0.0	+ 0	0.0	+ 0	3.01110+	5	0.0	+ 0	6.02230+	5	0.0	+ 0	409	5	48	2799
9.03340+	5	5.07100-	8	1.20450+	6	1.19080-	7	1.50560+	6	1.78040-	7	409	5	48	2800
1.80670+	6	2.42960-	7	2.10780+	6	2.90500-	7	2.40890+	6	3.40640-	7	409	5	48	2801
2.71000+	6	3.42710-	7	3.01110+	6	3.31350-	7	3.31220+	6	2.94630-	7	409	5	48	2802
3.61340+	6	2.56180-	7	3.91450+	6	2.16000-	7	4.21560+	6	1.94850-	7	409	5	48	2803
4.51670+	6	1.52070-	7	4.81780+	6	1.29750-	7	5.11890+	6	8.42710-	8	409	5	48	2804
5.42000+	6	6.06820-	8	5.72110+	6	3.65970-	8	6.02230+	6	0.0	+ 0	409	5	48	2805
0.0	+ 0	2.00000+	7	0	0	0	0	1	0	21	409	5	48	2806	
	21		2		0		0		0		0	409	5	48	2807
0.0	+ 0	0.0	+ 0	3.07210+	5	0.0	+ 0	6.14420+	5	0.0	+ 0	409	5	48	2808
9.21630+	5	6.40810-	8	1.22880+	6	1.32820-	7	1.53610+	6	1.92240-	7	409	5	48	2809
1.84330+	6	2.36210-	7	2.15050+	6	2.82620-	7	2.45770+	6	3.31610-	7	409	5	48	2810
2.76490+	6	3.43520-	7	3.07210+	6	3.23070-	7	3.37930+	6	2.87360-	7	409	5	48	2811
3.68650+	6	2.49930-	7	3.99370+	6	2.10810-	7	4.30090+	6	1.69950-	7	409	5	48	2812
4.60820+	6	1.48500-	7	4.91540+	6	1.04990-	7	5.22260+	6	8.23340-	8	409	5	48	2813
5.52980+	6	5.92790-	8	5.83700+	6	3.57910-	8	6.14420+	6	0.0	+ 0	409	5	48	2814
												409	5	0	2815
4.00900+	3	8.93480+	0	0	0	0	0	1	0	0	409	5	49	2816	
0.0	+ 0	0.0	+ 0	0	0	0	1	1	0	2	409	5	49	2817	
	2		2		0		0		0		0	409	5	49	2818
7.56107+	6	1.00000+	0	2.00000+	7	1.00000+	0	0	0	0	409	5	49	2819	
0.0	+ 0	0.0	+ 0	0	0	0	0	1	0	14	409	5	49	2820	
	14		2		0		0		0		0	409	5	49	2821
0.0	+ 0	7.56107+	6	0	0	0	0	1	0	3	409	5	49	2822	
	3		2		0		0		0		0	409	5	49	2823
0.0	+ 0	0.0	+ 0	2.28010+	6	4.38580-	7	4.56020+	6	0.0	+ 0	409	5	49	2824
0.0	+ 0	8.00000+	6	0	0	0	0	1	0	21	409	5	49	2825	
	21		2		0		0		0		0	409	5	49	2826
0.0	+ 0	0.0	+ 0	3.09220+	5	0.0	+ 0	6.18440+	5	0.0	+ 0	409	5	49	2827
9.27670+	5	0.0	+ 0	1.23690+	6	0.0	+ 0	1.54610+	6	0.0	+ 0	409	5	49	2828
1.85530+	6	0.0	+ 0	2.16460+	6	0.0	+ 0	2.47380+	6	0.0	+ 0	409	5	49	2829
2.78300+	6	0.0	+ 0	3.09220+	6	0.0	+ 0	3.40140+	6	1.89300-	7	409	5	49	2830
3.71070+	6	3.89390-	7	4.01990+	6	4.05420-	7	4.32910+	6	4.22110-	7	409	5	49	2831
4.63830+	6	4.33580-	7	4.94750+	6	3.58640-	7	5.25680+	6	4.63800-	7	409	5	49	2832
5.56600+	6	4.26700-	7	5.87520+	6	1.44990-	7	6.18440+	6	0.0	+ 0	409	5	49	2833
0.0	+ 0	9.00000+	6	0	0	0	0	1	0	21	409	5	49	2834	
	21		2		0		0		0		0	409	5	49	2835
0.0	+ 0	0.0	+ 0	3.27210+	5	0.0	+ 0	6.54430+	5	0.0	+ 0	409	5	49	2836
9.81640+	5	0.0	+ 0	1.30890+	6	0.0	+ 0	1.63610+	6	0.0	+ 0	409	5	49	2837
1.96330+	6	0.0	+ 0	2.29050+	6	0.0	+ 0	2.61770+	6	0.0	+ 0	409	5	49	2838
2.94490+	6	1.93150-	8	3.27210+	6	1.50920-	7	3.59940+	6	2.87610-	7	409	5	49	2839
3.92660+	6	3.66200-	7	4.25380+	6	3.82200-	7	4.58100+	6	3.93360-	7	409	5	49	2840
4.90820+	6	4.10580-	7	5.23540+	6	4.22480-	7	5.56260+	6	3.48900-	7	409	5	49	2841
5.88980+	6	1.91510-	7	6.21710+	6	8.30290-	8	6.54430+	6	0.0	+ 0	409	5	49	2842
0.0	+ 0	1.00000+	7	0	0	0	0	1	0	21	409	5	49	2843	
	21		2		0		0		0		0	409	5	49	2844
0.0	+ 0	0.0	+ 0	3.40860+	5	0.0	+ 0	6.81710+	5	0.0	+ 0	409	5	49	2845
1.02260+	6	0.0	+ 0	1.36340+	6	0.0	+ 0	1.70430+	6	0.0	+ 0	409	5	49	2846
2.04510+	6	0.0	+ 0	2.38600+	6	0.0	+ 0	2.72690+	6	0.0	+ 0	409	5	49	2847
3.06770+	6	1.14910-	7	3.40860+	6	2.19460-	7	3.74940+	6	3.29440-	7	409	5	49	2848
4.09030+	6	3.95310-	7	4.43110+	6	3.73000-	7	4.77200+	6	3.48390-	7	409	5	49	2849
5.11290+	6	4.02330-	7	5.45370+	6	3.09200-	7	5.79460+	6	2.29610-	7	409	5	49	2850
6.13540+	6	1.47950-	7	6.47630+	6	6.41740-	8	6.81710+	6	0.0	+ 0	409	5	49	2851

0.0	+ 0	1.10000+	7	0	0	1	21	409	5	49	2852				
	21		2	0	0	0	0	409	5	49	2853				
0.0	+ 0	0.0	+ 0	3.52710+	5	0.0	+ 0	7.05420+	5	0.0	+ 0	409	5	49	2854
1.05810+	6	0.0	+ 0	1.41080+	6	0.0	+ 0	1.76350+	6	0.0	+ 0	409	5	49	2855
2.11620+	6	0.0	+ 0	2.46900+	6	0.0	+ 0	2.82170+	6	6.80140-	8	409	5	49	2856
3.17440+	6	1.54350-	7	3.52710+	6	2.45590-	7	3.87980+	6	3.41660-	7	409	5	49	2857
4.23250+	6	3.38760-	7	4.58520+	6	3.55220-	7	4.93790+	6	3.66640-	7	409	5	49	2858
5.29060+	6	3.27820-	7	5.64330+	6	2.62230-	7	5.99600+	6	1.94820-	7	409	5	49	2859
6.34870+	6	1.25580-	7	6.70150+	6	5.45260-	8	7.05420+	6	0.0	+ 0	409	5	49	2860
0.0	+ 0	1.20000+	7	0	0	0	1	21	409	5	49	2861			
	21		2	0	0	0	0	409	5	49	2862				
0.0	+ 0	0.0	+ 0	3.63480+	5	0.0	+ 0	7.26960+	5	0.0	+ 0	409	5	49	2863
1.09040+	6	0.0	+ 0	1.45390+	6	0.0	+ 0	1.81740+	6	0.0	+ 0	409	5	49	2864
2.18090+	6	0.0	+ 0	2.54440+	6	1.11940-	8	2.90780+	6	1.06400-	7	409	5	49	2865
3.27130+	6	1.83010-	7	3.63480+	6	2.64050-	7	3.99830+	6	3.49500-	7	409	5	49	2866
4.36180+	6	3.49380-	7	4.72520+	6	3.35870-	7	5.08870+	6	3.20700-	7	409	5	49	2867
5.45220+	6	2.82180-	7	5.81570+	6	2.25810-	7	6.17920+	6	1.67840-	7	409	5	49	2868
6.54260+	6	1.08250-	7	6.90610+	6	4.70040-	8	7.26960+	6	0.0	+ 0	409	5	49	2869
0.0	+ 0	1.30000+	7	0	0	0	1	21	409	5	49	2870			
	21		2	0	0	0	0	409	5	49	2871				
0.0	+ 0	0.0	+ 0	3.73500+	5	0.0	+ 0	7.47000+	5	0.0	+ 0	409	5	49	2872
1.12050+	6	0.0	+ 0	1.49400+	6	0.0	+ 0	1.86750+	6	0.0	+ 0	409	5	49	2873
2.24100+	6	0.0	+ 0	2.61450+	6	5.15930-	8	2.98800+	6	1.40210-	7	409	5	49	2874
3.36150+	6	2.11640-	7	3.73500+	6	2.62030-	7	4.10850+	6	3.30000-	7	409	5	49	2875
4.48200+	6	3.19700-	7	4.85550+	6	3.07900-	7	5.22900+	6	3.03920-	7	409	5	49	2876
5.60250+	6	2.54620-	7	5.97600+	6	2.03840-	7	6.34950+	6	1.51580-	7	409	5	49	2877
6.72300+	6	9.77970-	8	7.09650+	6	4.25430-	8	7.47000+	6	0.0	+ 0	409	5	49	2878
0.0	+ 0	1.40000+	7	0	0	0	1	21	409	5	49	2879			
	21		2	0	0	0	0	409	5	49	2880				
0.0	+ 0	0.0	+ 0	3.82950+	5	0.0	+ 0	7.65910+	5	0.0	+ 0	409	5	49	2881
1.14890+	6	0.0	+ 0	1.53180+	6	0.0	+ 0	1.91480+	6	0.0	+ 0	409	5	49	2882
2.29770+	6	9.06230-	9	2.68070+	6	8.57350-	8	3.06360+	6	1.48120-	7	409	5	49	2883
3.44660+	6	2.14510-	7	3.82950+	6	2.61360-	7	4.21250+	6	3.05500-	7	409	5	49	2884
4.59540+	6	3.16780-	7	4.97840+	6	3.07350-	7	5.36140+	6	2.77410-	7	409	5	49	2885
5.74430+	6	2.32470-	7	6.12730+	6	1.86180-	7	6.51020+	6	1.38520-	7	409	5	49	2886
6.89320+	6	8.94240-	8	7.27610+	6	3.88610-	8	7.65910+	6	0.0	+ 0	409	5	49	2887
0.0	+ 0	1.50000+	7	0	0	0	1	21	409	5	49	2888			
	21		2	0	0	0	0	409	5	49	2889				
0.0	+ 0	0.0	+ 0	3.91960+	5	0.0	+ 0	7.83910+	5	0.0	+ 0	409	5	49	2890
1.17590+	6	0.0	+ 0	1.56780+	6	0.0	+ 0	1.95980+	6	0.0	+ 0	409	5	49	2891
2.35170+	6	2.61350-	8	2.74370+	6	1.00670-	7	3.13560+	6	1.61410-	7	409	5	49	2892
3.52760+	6	2.26110-	7	3.91960+	6	2.71830-	7	4.31150+	6	3.15690-	7	409	5	49	2893
4.70350+	6	3.08390-	7	5.09540+	6	3.07030-	7	5.48740+	6	2.44530-	7	409	5	49	2894
5.87930+	6	2.00940-	7	6.27130+	6	1.55970-	7	6.66320+	6	1.09580-	7	409	5	49	2895
7.05520+	6	8.57280-	8	7.44720+	6	3.72970-	8	7.83910+	6	0.0	+ 0	409	5	49	2896
0.0	+ 0	1.60000+	7	0	0	0	1	21	409	5	49	2897			
	21		2	0	0	0	0	409	5	49	2898				
0.0	+ 0	0.0	+ 0	4.00590+	5	0.0	+ 0	8.01170+	5	0.0	+ 0	409	5	49	2899
1.20180+	6	0.0	+ 0	1.60230+	6	0.0	+ 0	2.00290+	6	0.0	+ 0	409	5	49	2900
2.40350+	6	5.86450-	8	2.80410+	6	1.13430-	7	3.20470+	6	1.72150-	7	409	5	49	2901
3.60530+	6	2.34790-	7	4.00590+	6	2.79110-	7	4.40640+	6	2.81380-	7	409	5	49	2902
4.80700+	6	2.92430-	7	5.20760+	6	2.72150-	7	5.60820+	6	2.32170-	7	409	5	49	2903
6.00880+	6	1.90850-	7	6.40940+	6	1.48180-	7	6.81000+	6	1.04160-	7	409	5	49	2904
7.21050+	6	8.14820-	8	7.61110+	6	3.54280-	8	8.01170+	6	0.0	+ 0	409	5	49	2905
0.0	+ 0	1.70000+	7	0	0	0	1	21	409	5	49	2906			
	21		2	0	0	0	0	409	5	49	2907				
0.0	+ 0	0.0	+ 0	4.08900+	5	0.0	+ 0	8.17810+	5	0.0	+ 0	409	5	49	2908
1.22670+	6	0.0	+ 0	1.63560+	6	0.0	+ 0	2.04450+	6	7.22800-	9	409	5	49	2909
2.45340+	6	7.03860-	8	2.86230+	6	1.22320-	7	3.27120+	6	1.78020-	7	409	5	49	2910
3.68010+	6	2.37520-	7	4.08900+	6	2.79650-	7	4.49790+	6	2.82930-	7	409	5	49	2911
4.90680+	6	2.77210-	7	5.31570+	6	2.53050-	7	5.72460+	6	2.15940-	7	409	5	49	2912
6.13350+	6	1.77570-	7	6.54240+	6	1.37930-	7	6.95130+	6	9.69800-	8	409	5	49	2913

7.36020+	6	7.58610-	8	7.76910+	6	3.30000-	8	8.17810+	6	0.0	+	0	409	5	49	2914			
0.0	+	0	1.80000+	7		0		0		1			21	409	5	49	2915		
		21		2		0		0		0			0	409	5	49	2916		
0.0	+	0	0.0	+	0	4.16950+	5	0.0	+	0	8.33900+	5	0.0	+	0	409	5	49	2917
1.25080+	6	0.0	+	0	1.66780+	6	0.0	+	0	2.08470+	6	2.08250-	8	409	5	49	2918		
2.50170+	6	8.10530-	8	2.91860+	6	1.30740-	7	3.33560+	6	1.84070-	7	409	5	49	2919				
3.75250+	6	2.22060-	7	4.16950+	6	2.74210-	7	4.58640+	6	2.85840-	7	409	5	49	2920				
5.00340+	6	2.70730-	7	5.42030+	6	2.37230-	7	5.83730+	6	2.02480-	7	409	5	49	2921				
6.25420+	6	1.66570-	7	6.67120+	6	1.29420-	7	7.08810+	6	9.10420-	8	409	5	49	2922				
7.50510+	6	7.10550-	8	7.92200+	6	3.10460-	8	8.33900+	6	0.0	+	0	409	5	49	2923			
0.0	+	0	1.90000+	7		0		0		1			21	409	5	49	2924		
		21		2		0		0		0			0	409	5	49	2925		
0.0	+	0	0.0	+	0	4.24760+	5	0.0	+	0	8.49520+	5	0.0	+	0	409	5	49	2926
1.27430+	6	0.0	+	0	1.69900+	6	0.0	+	0	2.12380+	6	3.39110-	8	409	5	49	2927		
2.54860+	6	9.34740-	8	2.97330+	6	1.42700-	7	3.39810+	6	1.95610-	7	409	5	49	2928				
3.82280+	6	2.33330-	7	4.24760+	6	2.65470-	7	4.67240+	6	2.61960-	7	409	5	49	2929				
5.09710+	6	2.62520-	7	5.52190+	6	2.29990-	7	5.94660+	6	1.79490-	7	409	5	49	2930				
6.37140+	6	1.61670-	7	6.79620+	6	1.25660-	7	7.22090+	6	8.84200-	8	409	5	49	2931				
7.64570+	6	4.99510-	8	8.07040+	6	3.01350-	8	8.49520+	6	0.0	+	0	409	5	49	2932			
0.0	+	0	2.00000+	7		0		0		1			21	409	5	49	2933		
		21		2		0		0		0			0	409	5	49	2934		
0.0	+	0	0.0	+	0	4.32360+	5	0.0	+	0	8.64720+	5	0.0	+	0	409	5	49	2935
1.29710+	6	0.0	+	0	1.72940+	6	0.0	+	0	2.16180+	6	4.61150-	8	409	5	49	2936		
2.59420+	6	1.04870-	7	3.02650+	6	1.53520-	7	3.45890+	6	1.88450-	7	409	5	49	2937				
3.89130+	6	2.43250-	7	4.32360+	6	2.61430-	7	4.75600+	6	2.73170-	7	409	5	49	2938				
5.18830+	6	2.38330-	7	5.62070+	6	2.06510-	7	6.05310+	6	1.73490-	7	409	5	49	2939				
6.48540+	6	1.39290-	7	6.91780+	6	1.21510-	7	7.35020+	6	8.55290-	8	409	5	49	2940				
7.78250+	6	4.83240-	8	8.21490+	6	2.90900-	8	8.64720+	6	0.0	+	0	409	5	49	2941			
													409	5	0	2942			
													409	0	0	2943			
4.00900+	3	8.93476+	0			1		0		11			0	40912102	2944				
0.0	+	0	0.0	+	0	0		0		1			2	40912102	2945				
		2		2		0		0		0			0	40912102	2946				
1.00000-	5	1.59930+	0	2.00000+	7	1.59930+	0						40912102	2947					
6.81210+	6	0.0	+	0		2		2		1			2	40912102	2948				
		2		2		0		0		0			0	40912102	2949				
1.00000-	5	6.46000-	1	2.00000+	7	6.46000-	1						40912102	2950					
5.95830+	6	5.95830+	6			1		2		1			2	40912102	2951				
		2		2		0		0		0			0	40912102	2952				
1.00000-	5	1.50000-	2	2.00000+	7	1.50000-	2						40912102	2953					
3.44410+	6	0.0	+	0		2		2		1			2	40912102	2954				
		2		2		0		0		0			0	40912102	2955				
1.00000-	5	1.13000-	1	2.00000+	7	1.13000-	1						40912102	2956					
3.36800+	6	3.36800+	6			1		2		1			2	40912102	2957				
		2		2		0		0		0			0	40912102	2958				
1.00000-	5	3.30000-	1	2.00000+	7	3.30000-	1						40912102	2959					
2.89500+	6	6.26300+	6			1		2		1			2	40912102	2960				
		2		2		0		0		0			0	40912102	2961				
1.00000-	5	1.50000-	3	2.00000+	7	1.50000-	3						40912102	2962					
2.81100+	6	6.17900+	6			1		2		1			2	40912102	2963				
		2		2		0		0		0			0	40912102	2964				
1.00000-	5	1.30000-	3	2.00000+	7	1.30000-	3						40912102	2965					
2.59030+	6	5.95830+	6			1		2		1			2	40912102	2966				
		2		2		0		0		0			0	40912102	2967				
1.00000-	5	2.24000-	1	2.00000+	7	2.24000-	1						40912102	2968					
8.53800+	5	0.0	+	0		2		2		1			2	40912102	2969				
		2		2		0		0		0			0	40912102	2970				
1.00000-	5	2.64000-	1	2.00000+	7	2.64000-	1						40912102	2971					
6.33100+	5	0.0	+	0		2		2		1			2	40912102	2972				
		2		2		0		0		0			0	40912102	2973				
1.00000-	5	2.40000-	3	2.00000+	7	2.40000-	3						40912102	2974					
5.49100+	5	0.0	+	0		2		2		1			2	40912102	2975				