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EVALUATION OF NEUTRON NUCLEAR DATA OF ${}^6\text{Li}$ FOR JENDL-3

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Keiichi SHIBATA

日本原子力研究所
Japan Atomic Energy Research Institute

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Keiichi SHIBATA

Department of Physics

Tokai Research Establishment, JAERI

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Neutron nuclear data of ${}^6\text{Li}$ 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, radiative capture, photon-production, (n,2n), (n,p) and (n, α) reaction cross sections and the angular and energy distributions of secondary neutrons. The total, elastic scattering and (n, α) cross sections below 1 MeV have been calculated on the basis of the R-matrix theory. Two discrete levels were taken into account for the inelastic scattering. The double-differential cross sections for the (n,2n) reaction and the inelastic scattering to the continuous levels were obtained from the phase-space model calculations.

Keywords: Evaluation, Neutron Nuclear Data, Lithium-6, Cross Section, JENDL-3, R-matrix Theory, Phase-space Model, 10^{-5} eV \sim 20 MeV

JENDL-3のための ${}^6\text{Li}$ の中性子核データの評価

日本原子力研究所東海研究所物理部

柴田 恵一

(1984年10月13日受理)

JENDL-3のために ${}^6\text{Li}$ の中性子核データを 10^{-5}eV から20 MeVのエネルギー範囲で評価した。評価した量は全断面積、弾性散乱断面積、非弾性散乱断面積、放射性捕獲断面積、光子生成断面積、 $(n, 2n)$ 反応断面積、 (n, p) 反応断面積、 (n, α) 反応断面積、2次中性子の角度分布およびエネルギー分布である。1 MeV以下の全断面積、弾性散乱断面積および (n, α) 反応断面積はR-行列理論により計算された。非弾性散乱では2本の離散準位を考慮した。 $(n, 2n)$ 反応および連続準位への非弾性散乱の2重微分断面積は位相空間モデルにより計算した。

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1. Introduction

Neutron nuclear data of ${}^6\text{Li}$ are important for fusion neutronics calculations. In particular the ${}^6\text{Li}(n,\alpha)t$ reaction cross section as well as the ${}^7\text{Li}(n,n')\alpha t$ reaction cross section controls the tritium-production rate in fusion blankets. The ${}^6\text{Li}(n,\alpha)$ reaction cross section is also used as the standard. Although the data of ${}^6\text{Li}$ are included in the second version of Japanese Evaluated Nuclear Data Library (JENDL-2), which was released in December 1982, there remain the following problems in them:

- 1) The total cross section is considerably smaller than recent experimental data above 6 MeV. (about 15% at 14 MeV)
- 2) The elastic scattering cross section is also underestimated above 6 MeV. (about 20% at 14 MeV)
- 3) For the inelastic scattering, only the second excited level was taken into account as a discrete level.

In fact the ${}^6\text{Li}$ data in JENDL-2 are essentially the same as those in JENDL-1 which was released in autumn 1977. In the JENDL-1 evaluation, the elastic scattering and (n,α) cross sections were calculated by Komoda and Igarasi¹⁾ with the Kapur-Peierls formula²⁾. The underestimation of the elastic scattering cross section comes from the fact that there were few experimental data above 6 MeV at the time of the JENDL-1 evaluation. Consequently the total cross section which was given by a sum of partial cross sections was inevitably underestimated. Thus we decided to re-evaluate the data of ${}^6\text{Li}$ in order to resolve the above problems.

This report describes the procedure and the results of the re-evaluation. The presently evaluated data are compiled in the ENDF/B-V format, and they are listed in Appendix.

2. Total Cross Section

The total cross section of ${}^6\text{Li}$ has been measured by many groups.

The measurements after 1970 are the following:

Foster, Jr. and Glasgow ³⁾	(1971),	2.5 MeV ~ 15 MeV,
Meadows and Whalen ⁴⁾	(1972),	0.1 MeV ~ 1.5 MeV,
Goulding and Stoler ⁵⁾	(1972),	0.5 MeV ~ 30 MeV,
Harvey and Hill ⁶⁾	(1975),	10 eV ~ 10 MeV,
Knitter et al. ⁷⁾	(1977),	80 keV ~ 3 MeV,
Smith et al. ⁸⁾	(1977),	100 keV ~ 400 keV,
Lamaze et al. ⁹⁾	(1979),	3 MeV ~ 50 MeV,
Guenther et al. ¹⁰⁾	(1980),	0.5 MeV ~ 4.75 MeV.

As to the $P_{5/2}$ resonance around 250 keV, Smith et al.⁸⁾ measured the energy and magnitude of the peak precisely with a vernier technique.

Their values are the following:

$$11.20 \pm 0.20 \text{ barns at } 244.5 \pm 1.0 \text{ keV.}$$

In the present evaluation the energy range of the total cross section was divided into two regions, and different methods of evaluation were employed in each energy region.

Below 1 MeV, the cross section was calculated with the R-matrix theory¹¹⁾ by using the computer code RESCAL¹²⁾ which was used in the evaluation¹³⁾ of ${}^{12}\text{C}$. Two channels were taken into account in the calculation, that is, the elastic scattering and the (n,α) reaction. The R-matrix parameters were obtained so as to give the best fit to available experimental data. As for the $P_{5/2}$ resonance, the following experimental data were considered for the fitting:

total cross section	Smith et al. ⁸⁾
elastic scattering cross section	Knitter et al. ⁷⁾
(n,α) reaction cross section	Macklin et al. ¹⁴⁾

The final values of parameters are listed in Table 1. We took account of a positive-parity state of $J^\pi = 3/2^+$, which has not been observed¹⁵⁾, in order to reproduce the $1/v$ -behavior of the (n,α) cross section in lower energy regions. The total cross section was corrected by adding the (n,γ) cross section described in Sect. 6, because the (n,γ) reaction was not considered in the calculation. The energy and magnitude of the 250 keV resonance together with those of other evaluated data are listed as follows:

Present work	243 keV	11.2003 barns
JENDL-2	247 keV	11.7304 barns
ENDF/B-V	245 keV	11.2630 barns
ENDF/B-IV	244 keV	10.8630 barns.

It is found that ENDF/B-IV gives somewhat smaller value of the peak cross section than the other evaluated data.

Above 1 MeV, the evaluated data were obtained from a least-squares fit to the experimental data of Knitter et al.⁷⁾, Lamaze et al.⁹⁾ and Guenther et al.¹⁰⁾ This operation was performed by using Neutron Data Evaluation System (NDES)¹⁶⁾.

The present results are shown in Figs. 1-3 by comparing with experimental data and other evaluated data. As seen in Figs. 2 and 3, the JENDL-2 data gradually deviate from experimental data. The present evaluation has definitely excluded this drawback.

3. Elastic Scattering

As described previously, the elastic scattering cross section was calculated with the R-matrix theory below 1 MeV. Concerning the thermal cross section, Mughabghab et al.¹⁷⁾ recommended a value of 750 ± 20 mb. In the present calculation we obtained a value of 734.93 mb, and it is

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in good agreement with the above value. Above 1 MeV the elastic scattering cross section was given by the difference between the total and reaction cross sections.

Figures 4 and 5 show the evaluated cross sections. Above 6 MeV the data of JENDL-2 are smaller than the recent experimental data^{18,19)}, whereas those of ENDF/B-V are larger.

The elastic angular distributions were calculated with the R-matrix theory below 500 keV, and the results are shown in Fig. 6 around the 250 keV resonance. It is found that the calculation reproduces well the measured distribution. Between 500 keV and 14 MeV, the Legendre coefficients were obtained from the following experimental data:

500 keV ~ 3 MeV Knitter et al.⁷⁾ (1977)

4 MeV ~ 7.5 MeV Knox et al.²⁰⁾ (1979)

7.5 MeV ~ 14 MeV Hogue et al.¹⁸⁾ (1979).

Above 14 MeV where no experimental data are available, the distribution was calculated with the spherical optical model by using the computer code ELIESE-3²¹⁾. As the optical potential parameters we used those of Agee and Rosen²²⁾, and they are given as follows:

$$V = 49.3 - 0.33 \times E_{CM} \quad (\text{MeV})$$

$$W_s = 5.75 \quad (\text{MeV})$$

$$V_{so} = 5.5 \quad (\text{MeV})$$

$$r_0 = r_s = r_{so} = 1.25 \quad (\text{fm})$$

$$a = a_{so} = 0.65 \quad (\text{fm})$$

$$b = 0.70 \quad (\text{fm})$$

4. Inelastic Scattering

4.1 First Level (2.185 MeV)

In JENDL-2 the data on the inelastic scattering to the first

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4. Inelastic Scattering

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In JENDL-2 the data on the inelastic scattering to the first

excited level of ${}^6\text{Li}$, which decays through the process ${}^6\text{Li}^* \rightarrow \alpha + d$, are not included, because the contribution is included in the $(n, n')\alpha d$ reaction (MT = 91). From the viewpoint of neutron transport calculations, however, it is desirable to treat this level as a discrete level. Thus, we evaluated the data on the basis of the recent experimental data with the eye-guide method by using NDES¹⁶⁾. The experimental data used for the evaluation are the following:

Hogue et al. ¹⁸⁾	(1979),	7 MeV ~ 14 MeV,
Guenther et al. ¹⁰⁾	(1980),	3.5 MeV ~ 4.0 MeV,
Lisowski et al. ¹⁹⁾	(1980),	5.96 MeV, 9.83 MeV,
Förtsch et al. ²³⁾	(1981),	7.75 MeV,
Drake ²⁴⁾	(1981),	14 MeV.

The evaluated result is shown in Fig. 7.

The angular distribution was estimated from the experimental data of Hogue et al.¹⁸⁾ and of Hopkins et al.²⁵⁾

4.2 Second Level (3.562 MeV)

The second excited level ($J^\pi = 0^+$) decays by emitting γ -rays which have isotropic angular distributions, and so the $(n, n'\gamma)$ data were adopted in the evaluation. Presser et al.²⁶⁾ measured the $(n, n'\gamma)$ cross section in the energy range from 4.1 to 7.0 MeV. Above 7 MeV, only the 14 MeV datum of Besotonsnyj et al.²⁷⁾ is available. Hence, between the threshold energy and 7 MeV the evaluation was made by the spline-function fitting to the data of Presser et al.²⁶⁾ Above 7 MeV, the eye-guide method was employed by taking account of the datum measured by Besotonsnyj et al.²⁷⁾ The present result is shown in Fig. 8.

The angular distribution of neutrons, which has not been measured, was assumed to be isotropic in the center-of-mass system.

4.3 Continuous Levels

The $(n,n')\alpha$ reaction cross section was measured by Rosen and Stewart²⁸⁾ in the energy range from 5 to 14 MeV with a nuclear emulsion. This measured cross section naturally includes the contribution from the first excited level of ${}^6\text{Li}$. Thus, the cross section to continuous levels was obtained by subtracting the (n,n_1) cross section from the $(n,n')\alpha$ cross section evaluated on the basis of the data of Rosen and Stewart²⁸⁾. The angular and energy distributions were calculated with the three-body phase-space model. Details of the calculations are described in Sect. 10.

5. The (n,α) Reaction

As to the $P_{5/2}$ resonance, the peak magnitude was different among experimental data in the first half of 1970's. Friesenhahn et al.²⁹⁾ gave the largest cross section to this resonance, while the data of Fort and Marquette³⁰⁾, Coates et al.³¹⁾ and Poenitz³²⁾, which were considered in the JENDL-2 evaluation, were consistent with one another. The recent experimental data^{7,14,33)}, however, lie between the former and the latter data.

In the present evaluation, the (n,α) cross section was calculated with the R-matrix theory below 1 MeV, together with the total and elastic scattering cross sections. The calculated thermal cross section is 940.33 barns, and it is in good agreement the value of 940 ± 4 barns recommended by Mughabghab et al.¹⁷⁾ The peak values of the $P_{5/2}$ resonance are given as follows:

Present work	3.364	barns at 239 keV
JENDL-2	3.29481	barns at 243 KeV
ENDF/B-V	3.30870	barns at 240 keV
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It should be noted that ENDF/B-IV gives larger cross sections than the other evaluated data concerning the $P_{5/2}$ resonance.

In the MeV region, the experimental data of Bartle³⁴⁾ and of Bartle et al.³⁵⁾ are available. Thus, the evaluated cross section was obtained by a least-squares fit to them.

Figures 9 and 10 show the present results. As seen in Fig. 10, the $1/v$ -behavior of the (n,α) cross section in lower energy regions is reproduced fairly well by the R-matrix calculations.

6. Radiative Capture Reaction

As the thermal cross section we adopted the value of 38.5 mb which was recommended by Mughabghab et al.¹⁷⁾ The cross section was extrapolated as $1/v$ up to 100 keV, i.e.,

$$\sigma_{n,\gamma} = 6.12 \times 10^{-3} [E_n(\text{eV})]^{-1/2} \text{ barns.}$$

Above 100 keV the inverse reaction data of Ferdinande et al.³⁶⁾ were added by using the detailed balance. The result is shown in Fig. 11.

7. The (n,p) Reaction

Presser et al.²⁶⁾ measured the (n,p) cross sections in the energy range from 3.1 MeV to 9.0 MeV with the activation method. Above 9 MeV several measurements³⁷⁻⁴⁰⁾ were performed at 14 MeV. The cross section was evaluated on the basis of these experimental data, and the evaluated curve is shown in Fig. 12.

8. The $(n,2n)$ Reaction

Concerning the $(n,2n)$ reaction, two experimental data^{41,42)}, which were obtained by the coincident counting method, are available. In the evaluation we took account of these data, and the evaluated result was

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slightly modified so that the elastic scattering cross section, which was given as the difference between the total and reaction cross sections, might be consistent with the experimental data^{18,19)}. Figure 13 shows the evaluated cross section. The angular and energy distributions were calculated with the three-body phase-space model.

9. Photon Production

9.1 The $(n, n_2 \gamma)$ Reaction

The second excited level of ${}^6\text{Li}$ is known¹⁵⁾ to decay by emitting γ -rays, which have isotropic angular distributions, with a probability of 100%. Thus, we gave a value of 1.0 to the γ -ray multiplicity.

9.2 The (n, γ) Reaction

Jurney⁴³⁾ 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 as follows:

Transition	Multiplicity
cap. \rightarrow g.s.	0.61
cap. \rightarrow 0.47761 MeV	0.39
0.47761 MeV \rightarrow g.s.	0.39

The angular distribution of the γ -rays was assumed to be isotropic.

10. Energy-Angle Distributions of Secondary Neutrons

The angular and energy distributions of secondary neutrons from the $(n, 2n)$ reaction and the inelastic scattering to the continuous levels were calculated with the three-body phase-space model⁴⁴⁾. In general,

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The angular and energy distributions of secondary neutrons from the $(n, 2n)$ reaction and the inelastic scattering to the continuous levels were calculated with the three-body phase-space model⁴⁴⁾. In general,

slightly modified so that the elastic scattering cross section, which was given as the difference between the total and reaction cross sections, might be consistent with the experimental data^{18,19)}. Figure 13 shows the evaluated cross section. The angular and energy distributions were calculated with the three-body phase-space model.

9. Photon Production

9.1 The $(n, n_2 \gamma)$ Reaction

The second excited level of ${}^6\text{Li}$ is known¹⁵⁾ to decay by emitting γ -rays, which have isotropic angular distributions, with a probability of 100%. Thus, we gave a value of 1.0 to the γ -ray multiplicity.

9.2 The (n, γ) Reaction

Jurney⁴³⁾ 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 as follows:

Transition	Multiplicity
cap. \rightarrow g.s.	0.61
cap. \rightarrow 0.47761 MeV	0.39
0.47761 MeV \rightarrow g.s.	0.39

The angular distribution of the γ -rays was assumed to be isotropic.

10. Energy-Angle Distributions of Secondary Neutrons

The angular and energy distributions of secondary neutrons from the $(n, 2n)$ reaction and the inelastic scattering to the continuous levels were calculated with the three-body phase-space model⁴⁴⁾. In general,

the double-differential cross section is given by

$$\frac{d^2\sigma}{dE d\Omega} = \frac{2\pi}{v} \rho(E, \theta) \int |T|^2 d\Omega_{23},$$

where v is the relative velocity of the projectile and target, θ the detection angle, $\rho(E, \theta)$ the phase-space factor, T the transition matrix and Ω_{23} the direction of the relative momentum between remaining two particles. If T is independent of E and θ , the shape of the secondary neutron spectrum is determined by the phase-space factor, i.e.,

$$\frac{d^2\sigma}{dE d\Omega} \propto \rho(E, \theta).$$

The three-body phase-space factor is given by

$$\begin{aligned} \rho(E, \theta) = & \frac{2}{(2\pi)^6} \cdot \{M_2 M_3 M_n / (M_2 + M_3)\}^{3/2} \cdot \sqrt{E} \cdot [E_n + Q - E \\ & - \frac{1}{2(M_2 + M_3)} \{2M_n E_n + 2M_n E - 4M_n \sqrt{E} E_n \cos\theta\}]^{1/2}. \end{aligned}$$

Meaning of the symbols used here is,

E_n : incident neutron energy

Q : Q-value

M_n : neutron mass

M_2, M_3 : masses of the two unobserved particles.

In the present evaluation, the calculated double-differential cross section is given in File 6 of ENDF/B format. The energy- and angle-integrated spectra were also calculated, and they are given in File 4 and File 5, respectively. Of course, the angular distribution is given in the laboratory system.

11. Concluding Remarks

Evaluation of neutron nuclear data for ${}^6\text{Li}$ has been performed in the energy range from 10^{-5} eV to 20 MeV.

Concerning the $P_{5/2}$ resonance, the total, elastic scattering and (n,α) reaction cross sections were calculated simultaneously with the R-matrix theory. In higher energy regions above 6 MeV, the present evaluation resolves the problems existing in JENDL-2, that is, underestimation of the total and elastic scattering cross sections.

The double-differential cross section was calculated with the phase-space model. The model is very simple, and so it may not reproduce neutron spectra in the every energy region. In fact the Osaka University group⁴⁵⁾ has pointed out such a problem from analyses of the measured double-differential cross sections. Thus, this problem is left for future work.

The presently evaluated data of ${}^6\text{Li}$ together with ${}^7\text{Li}$, ${}^{12}\text{C}$, ${}^{16}\text{O}$, Cr, Fe and Ni were stored in JENDL-3PRI^{*)} (JENDL-3 Preliminary Version 1). The data set is used for analyses of joint Japan-USA mock-up experiments of fusion blankets using the FNS facility at JAERI.

Acknowledgments

The author would like to thank Dr. S. Igarasi for his helpful discussion and advice throughout this work. He also thanks Dr. T. Nakagawa for his advice in making a data file and Mr. T. Narita for his aid in making graphs. He is also indebted to Miss T. Maejima for typewriting.

*) In JENDL-3PRI, the ENDF/B-IV format was adopted.

11. Concluding Remarks

Evaluation of neutron nuclear data for ${}^6\text{Li}$ has been performed in the energy range from 10^{-5} eV to 20 MeV.

Concerning the $P_{5/2}$ resonance, the total, elastic scattering and (n,α) reaction cross sections were calculated simultaneously with the R-matrix theory. In higher energy regions above 6 MeV, the present evaluation resolves the problems existing in JENDL-2, that is, underestimation of the total and elastic scattering cross sections.

The double-differential cross section was calculated with the phase-space model. The model is very simple, and so it may not reproduce neutron spectra in the every energy region. In fact the Osaka University group⁴⁵⁾ has pointed out such a problem from analyses of the measured double-differential cross sections. Thus, this problem is left for future work.

The presently evaluated data of ${}^6\text{Li}$ together with ${}^7\text{Li}$, ${}^{12}\text{C}$, ${}^{16}\text{O}$, Cr, Fe and Ni were stored in JENDL-3PR1^{*)} (JENDL-3 Preliminary Version 1). The data set is used for analyses of joint Japan-USA mock-up experiments of fusion blankets using the FNS facility at JAERI.

Acknowledgments

The author would like to thank Dr. S. Igarasi for his helpful discussion and advice throughout this work. He also thanks Dr. T. Nakagawa for his advice in making a data file and Mr. T. Narita for his aid in making graphs. He is also indebted to Miss T. Maejima for typewriting.

*) In JENDL-3PR1, the ENDF/B-IV format was adopted.

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Table 1 R-matrix parameters used in the n + ⁶Li analysis.

J^π	$E_\lambda^{J^\pi}$	ℓ_n	$\gamma_{\lambda n}^{J^\pi}$	$R_{n0}^{\infty J^\pi}$	$\gamma_{\lambda n}^{J^\pi}$	$R_{n0}^{\infty J^\pi}$	ℓ_α	$\gamma_{\lambda \alpha}^{J^\pi}$
1/2+		0		0.001				
3/2+	1.930	0			1.180	0.0	2	0.460
3/2-	3.430	1	0.875	0.500	1.250	0.200		
5/2-	-0.644	1			0.041	0.0	3	0.429
5/2-	0.212	1			1.000	0.0	3	0.190

$a_n = a_\alpha = 3.853$ fm. $E_\lambda^{J^\pi}$ in MeV, $\gamma_{\lambda c}^{J^\pi}$ in MeV^{1/2}.

The R-matrix is given by

$$R_{c',c}^{J^\pi} = R_{c0}^{\infty J^\pi} \delta_{c',c} + \sum_\lambda \gamma_{\lambda c'}^{J^\pi} \gamma_{\lambda c}^{J^\pi} / (E_\lambda^{J^\pi} - E).$$

The symbol s denotes the channel spin.

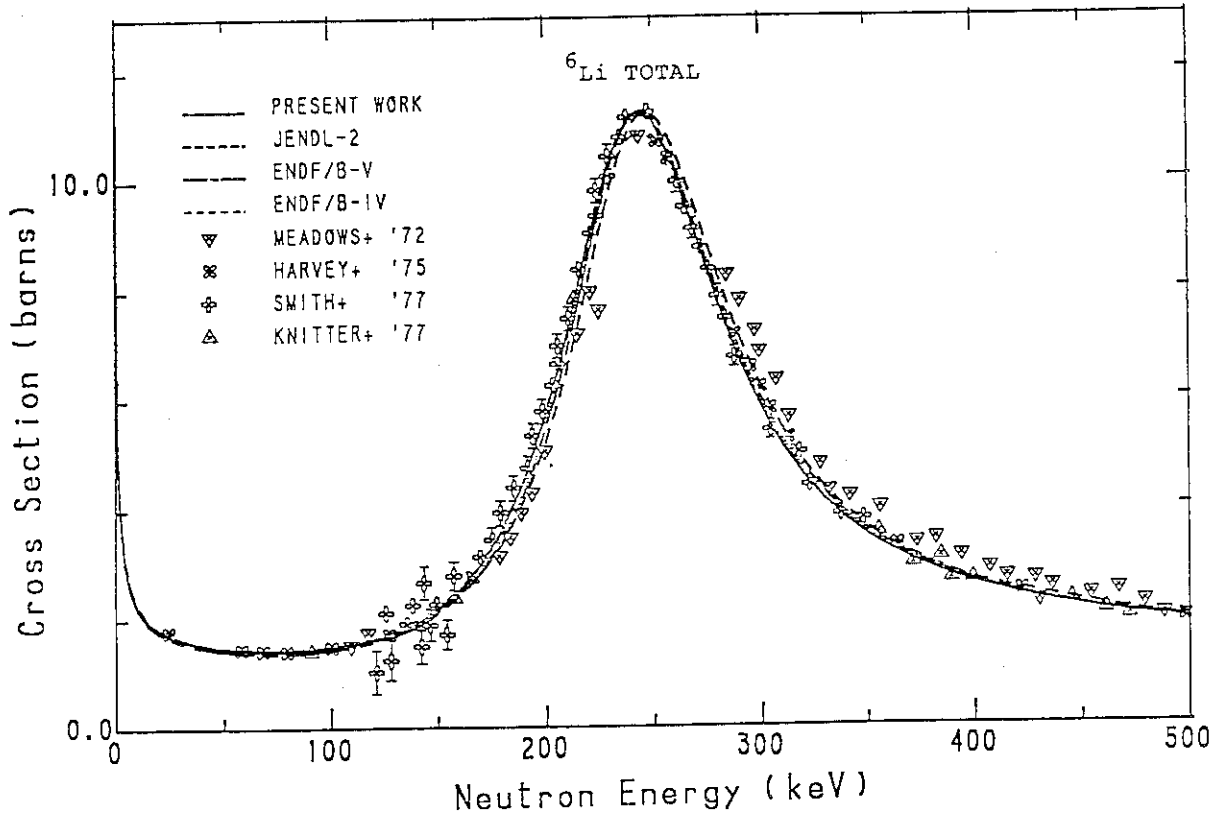


Fig. 1 Measured and evaluated total cross sections below 500 keV.

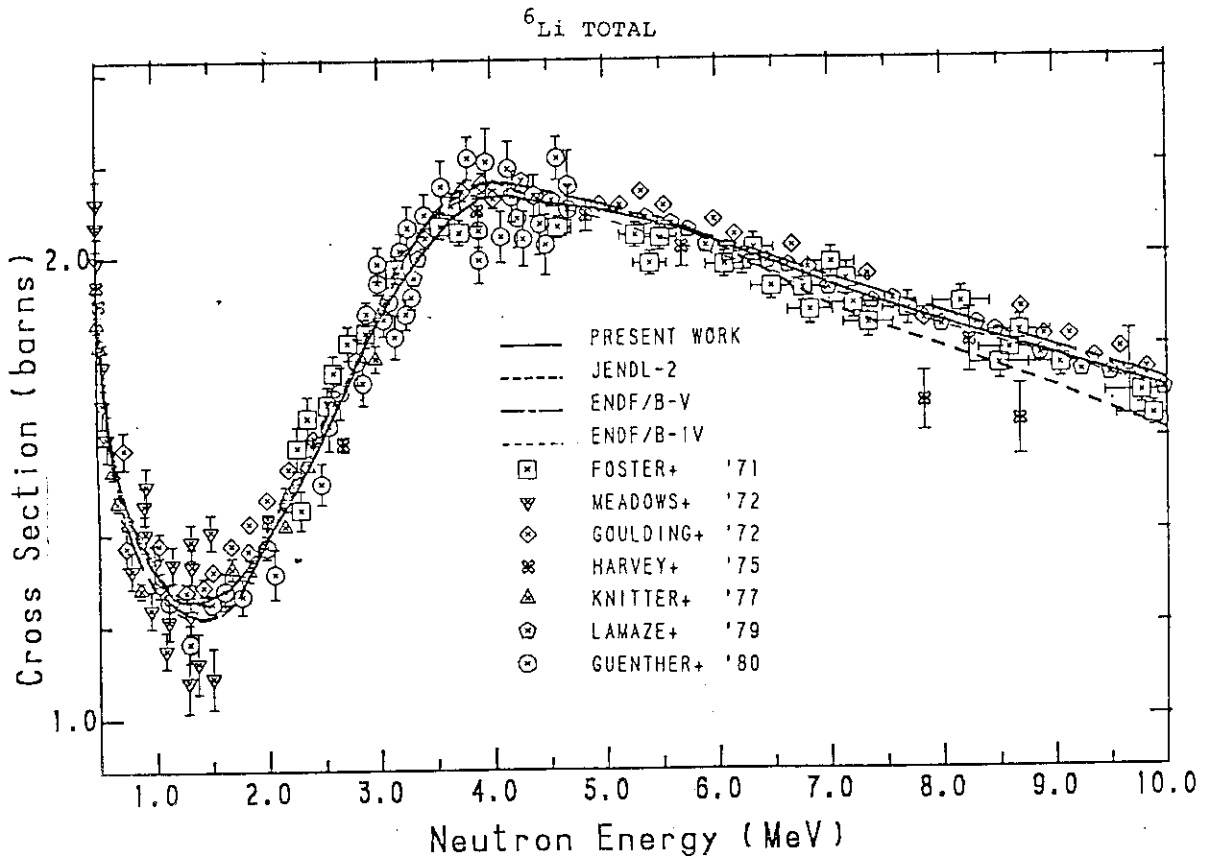


Fig. 2 Measured and evaluated total cross sections from 0.5 to 10 MeV.

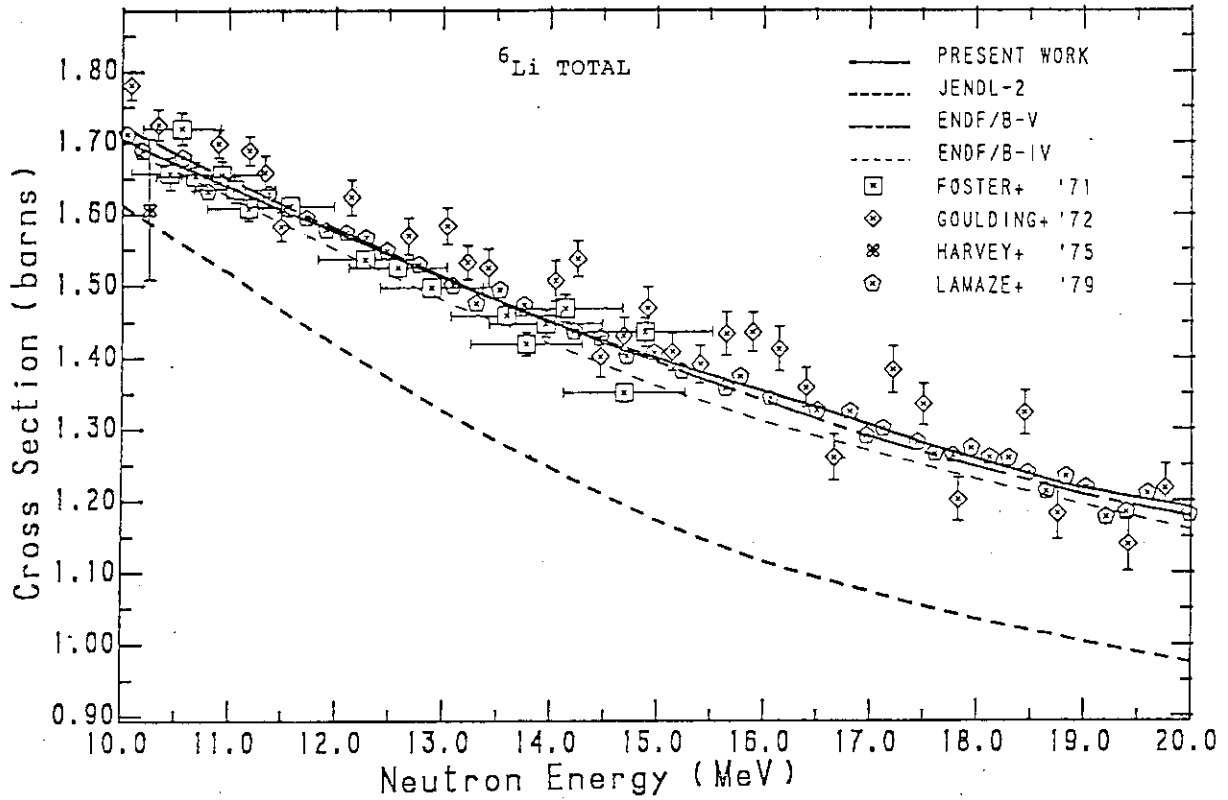


Fig. 3 Measured and evaluated total cross sections above 10 MeV.

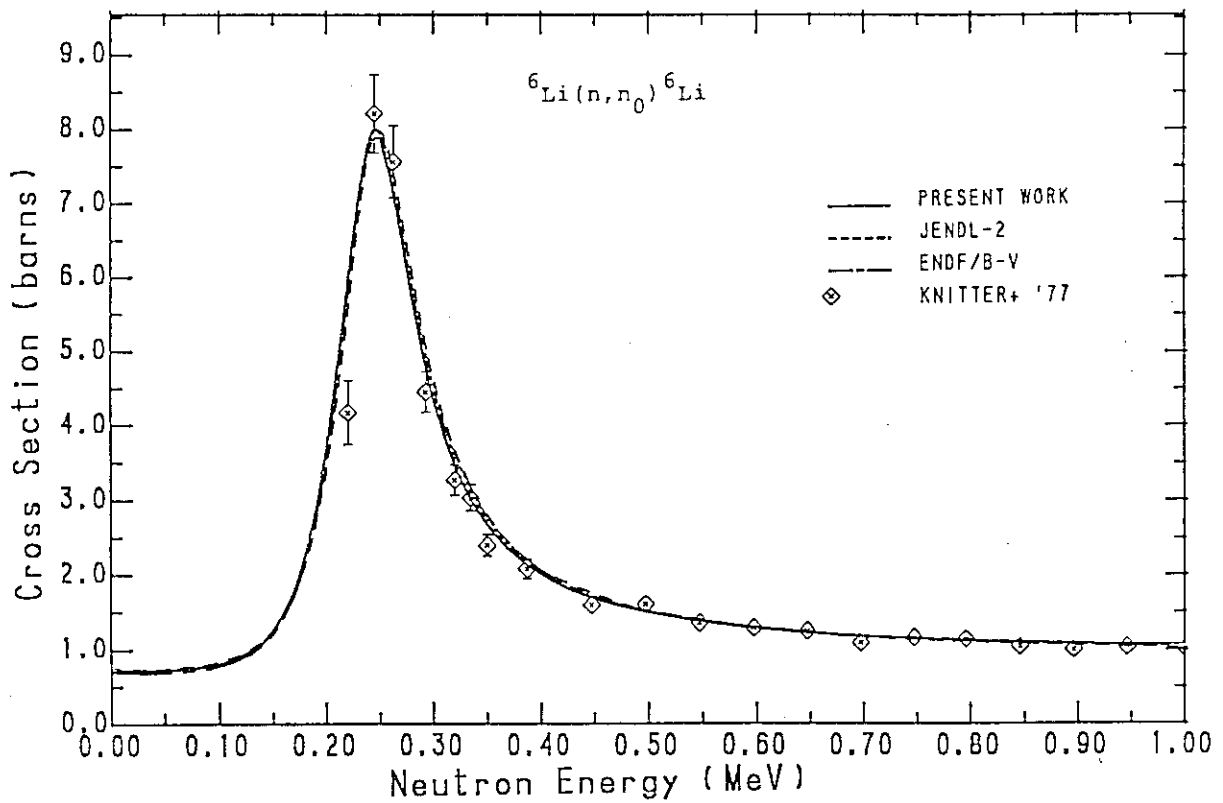


Fig. 4 Measured and evaluated elastic scattering cross sections below 1 MeV.

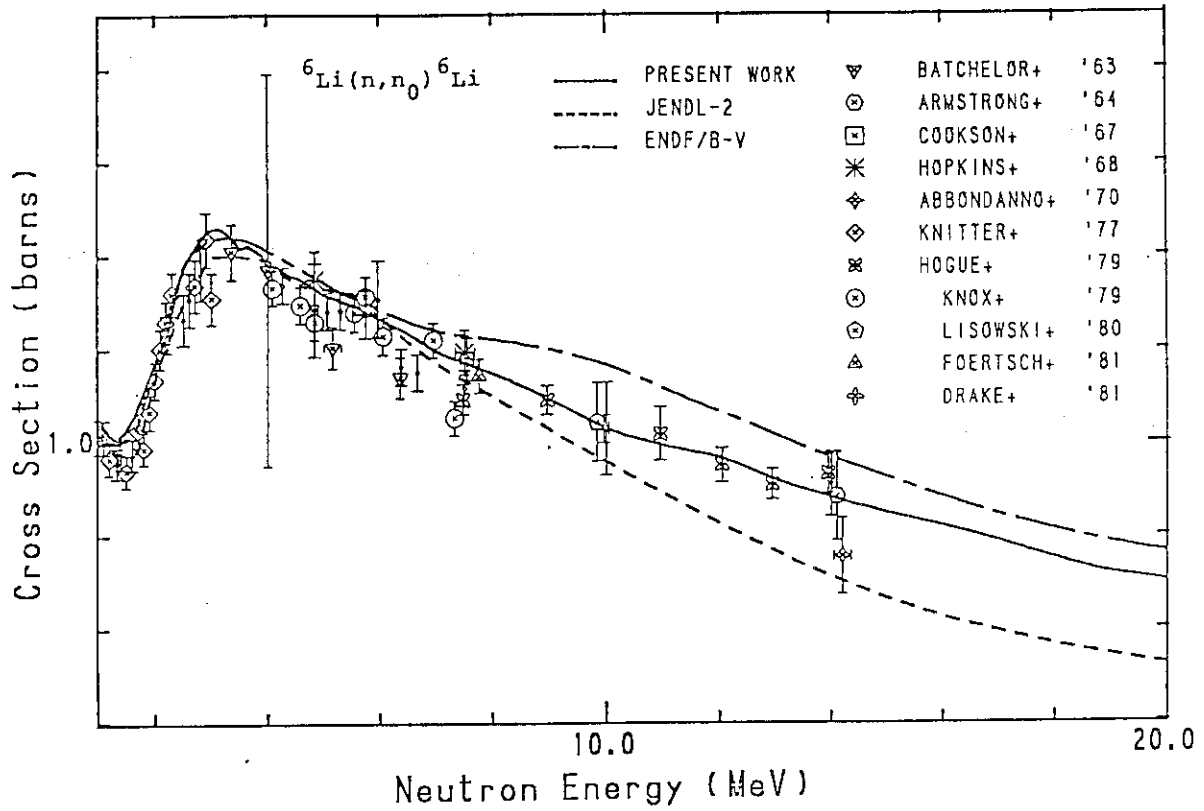


Fig. 5 Measured and evaluated elastic scattering cross sections above 1 MeV.

${}^6\text{Li}$ ELASTIC

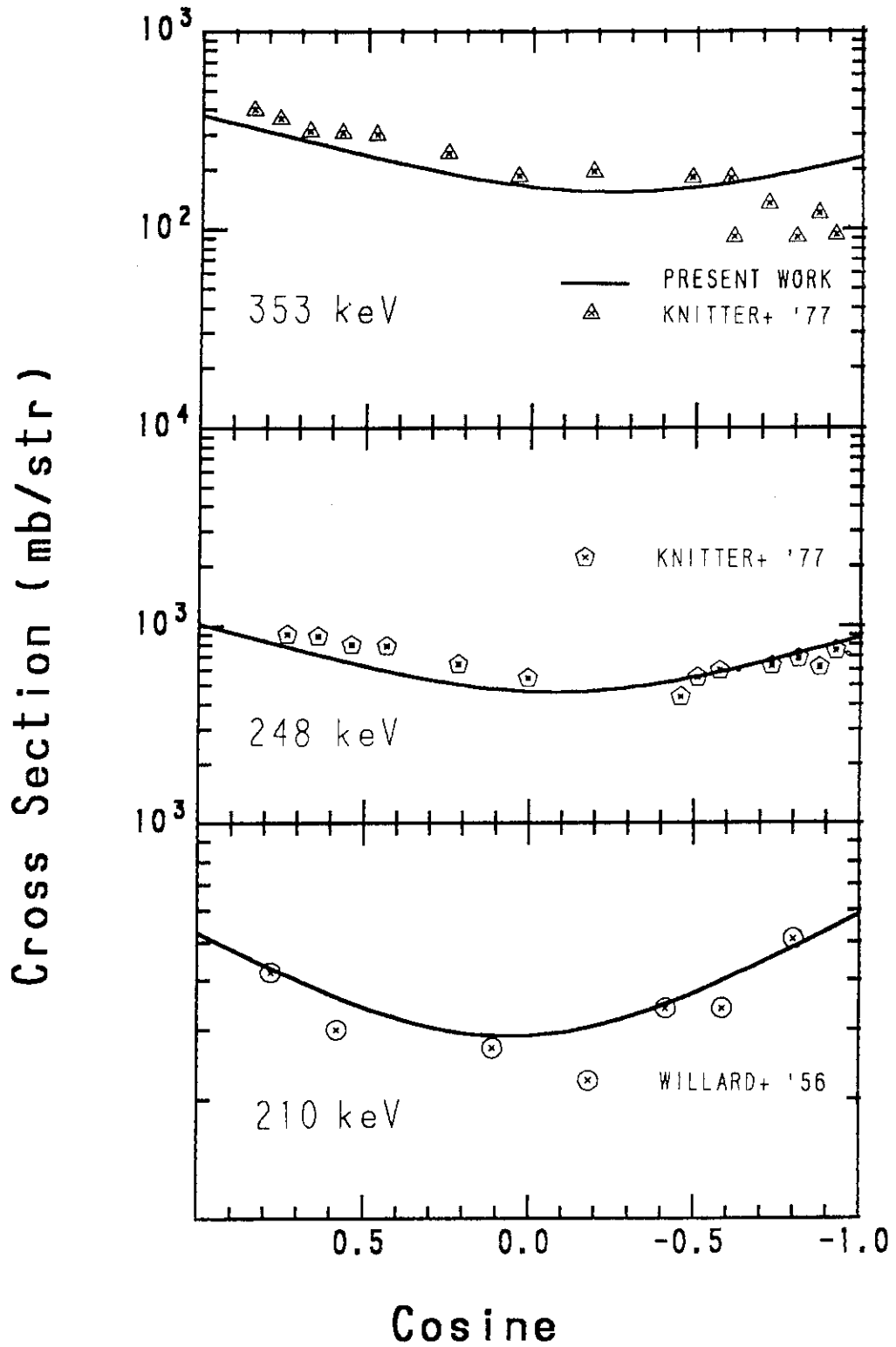


Fig. 6 Measured and evaluated elastic angular distributions.

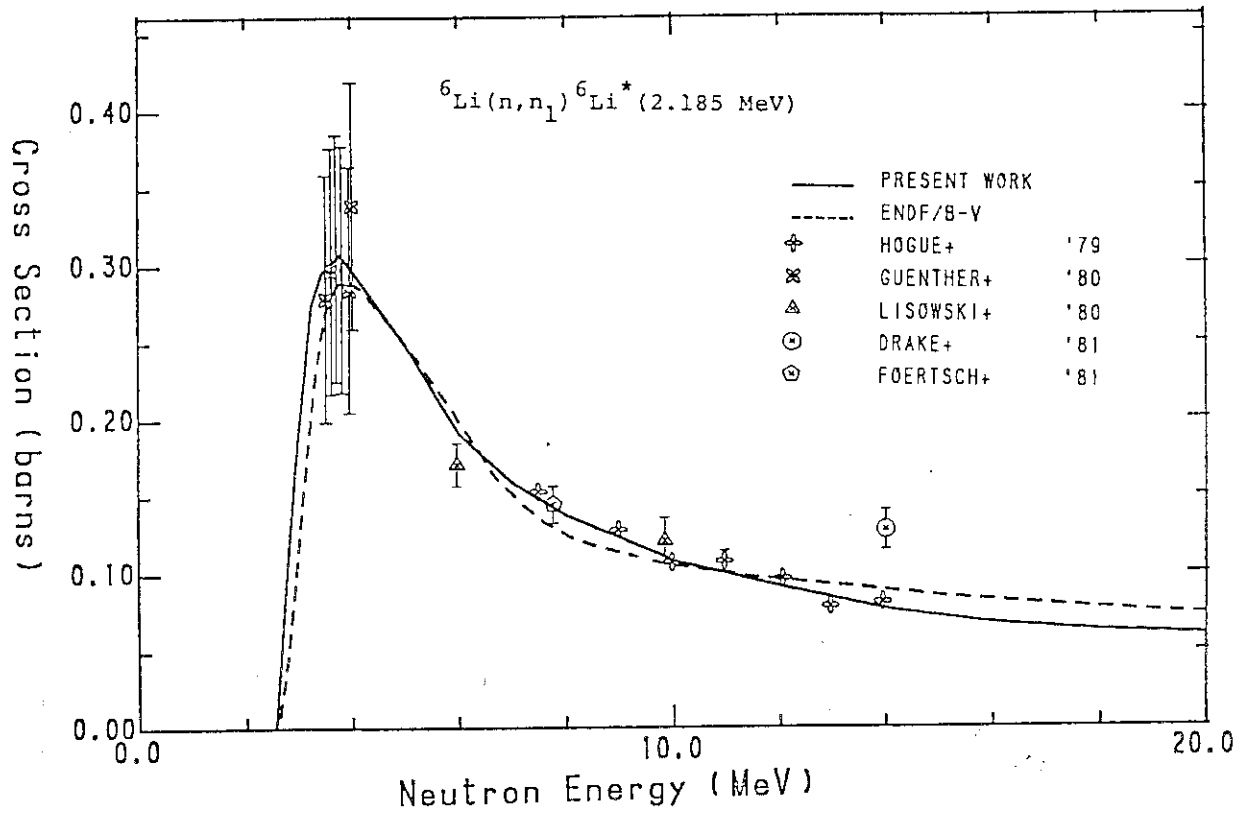


Fig. 7 Measured and evaluated (n, n_1) cross sections.

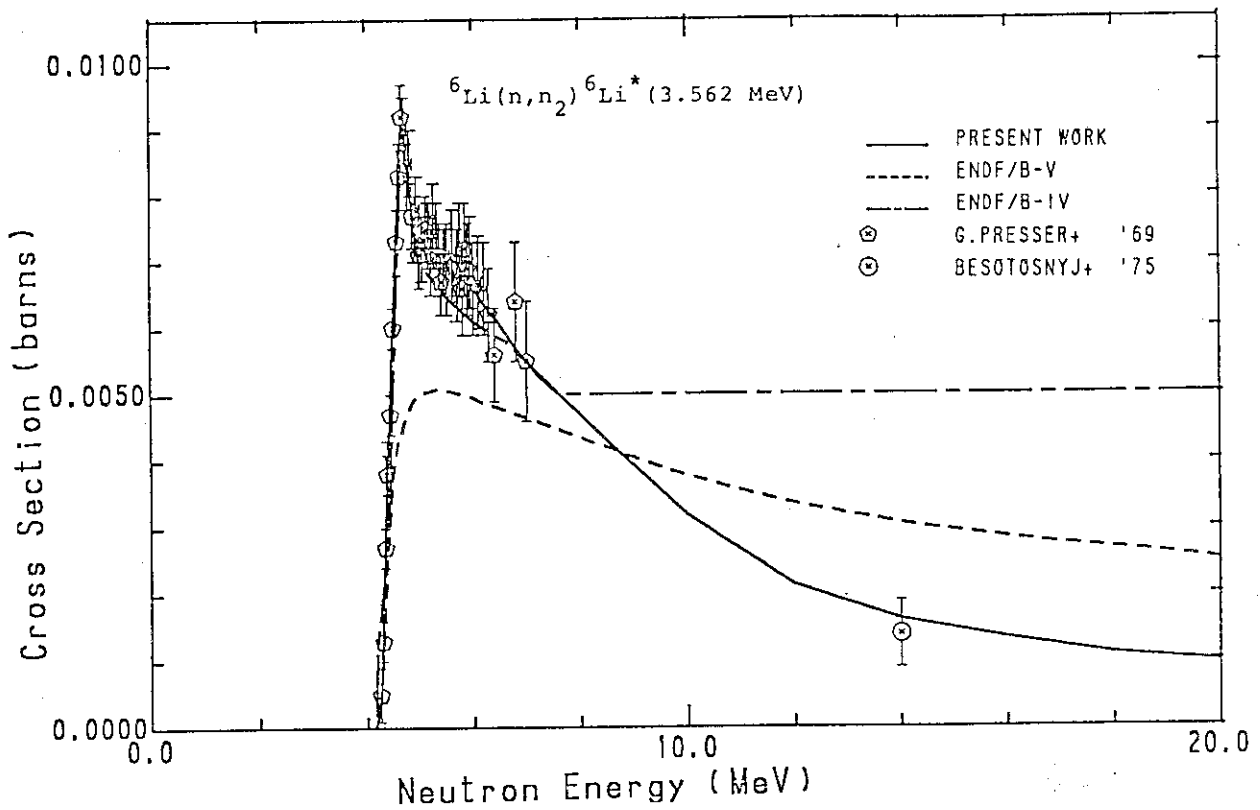


Fig. 8 Measured and evaluated (n, n_2) cross sections.

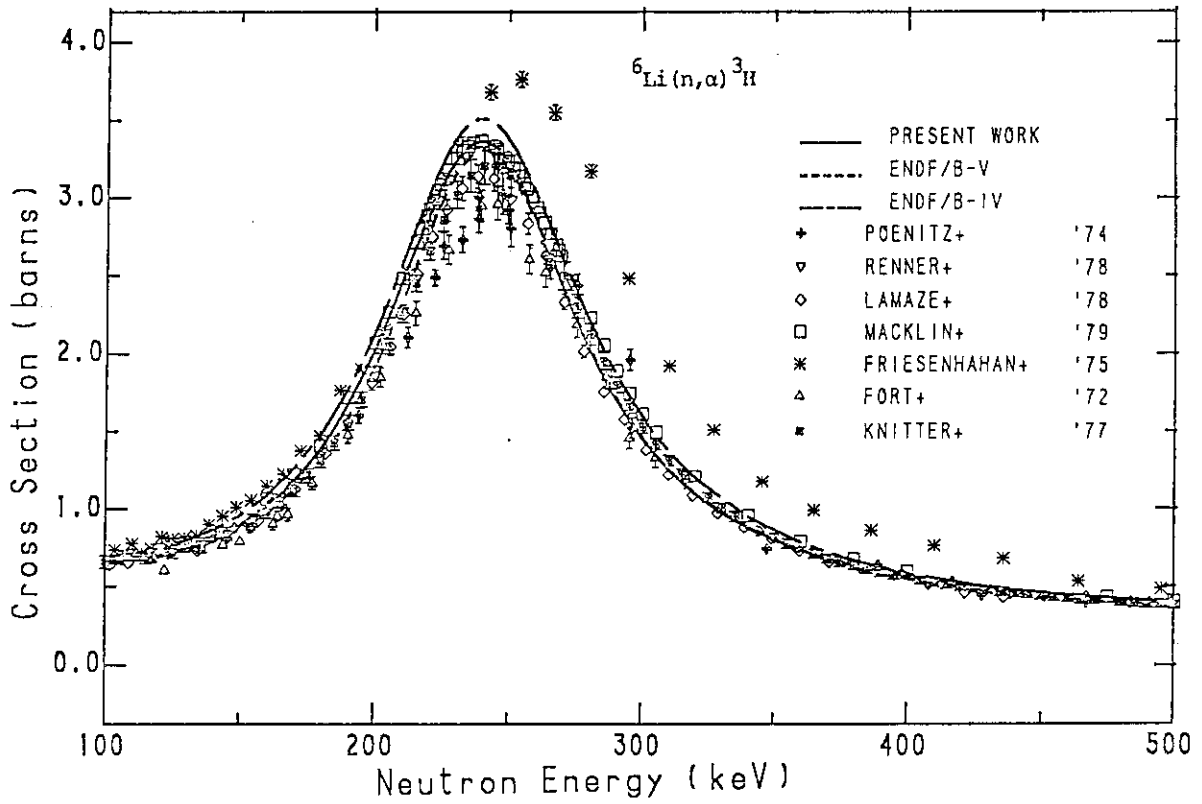


Fig. 9 Measured and evaluated (n,α) cross sections around the P_{1,1} resonance.

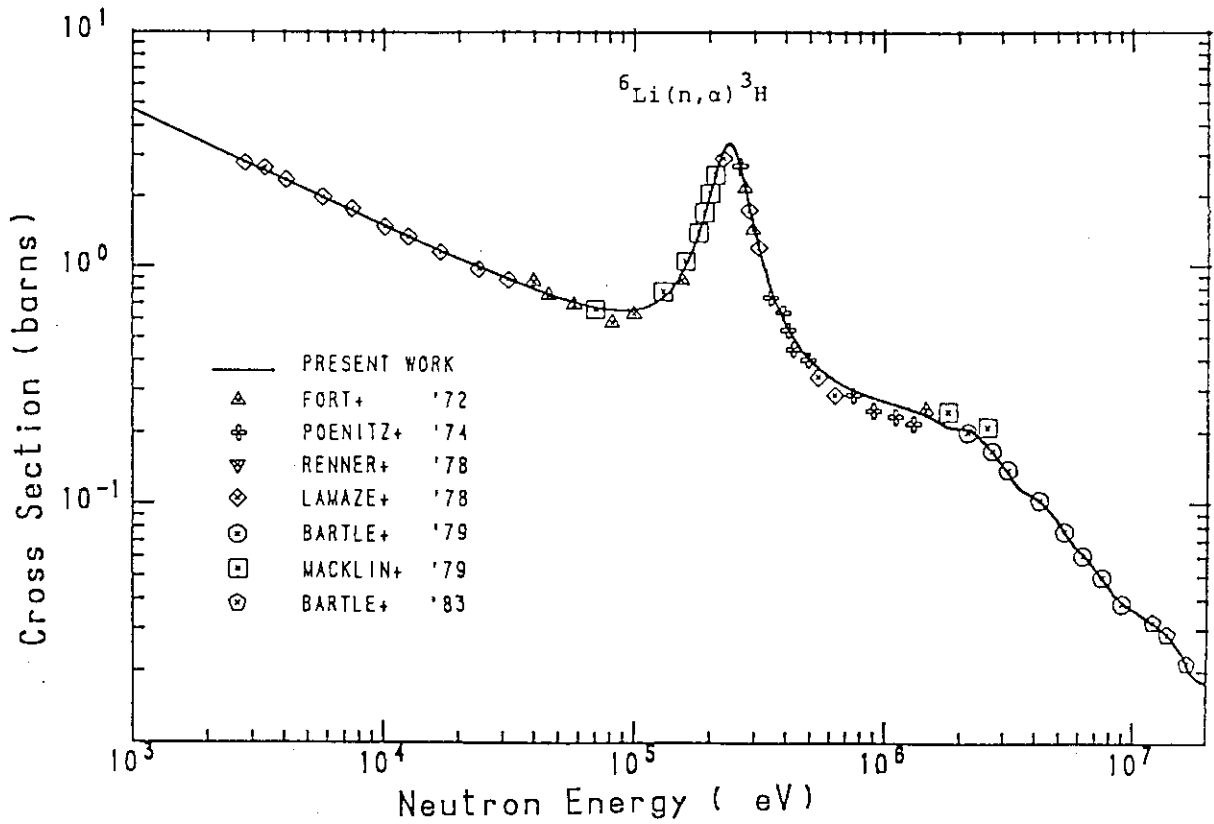


Fig. 10 Measured and evaluated (n,α) cross sections above 1 keV.

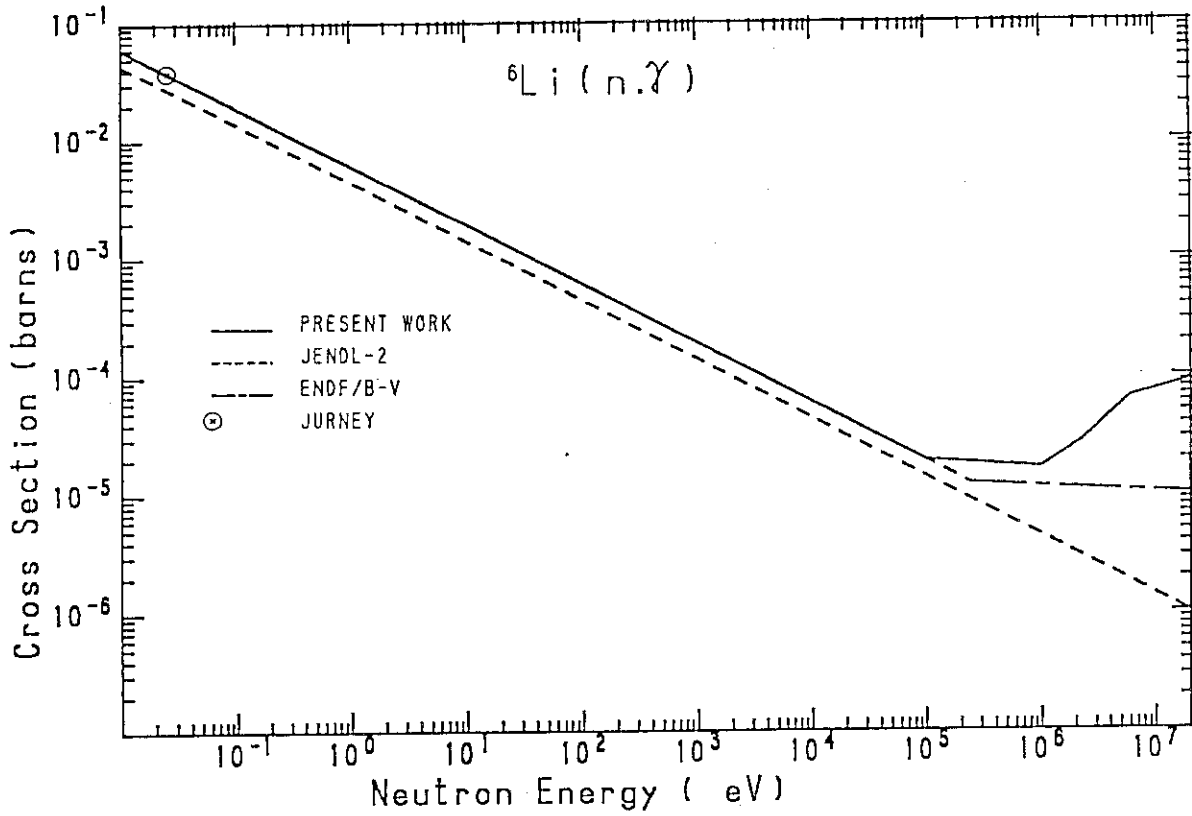


Fig. 11 Measured and evaluated radiative capture cross sections.

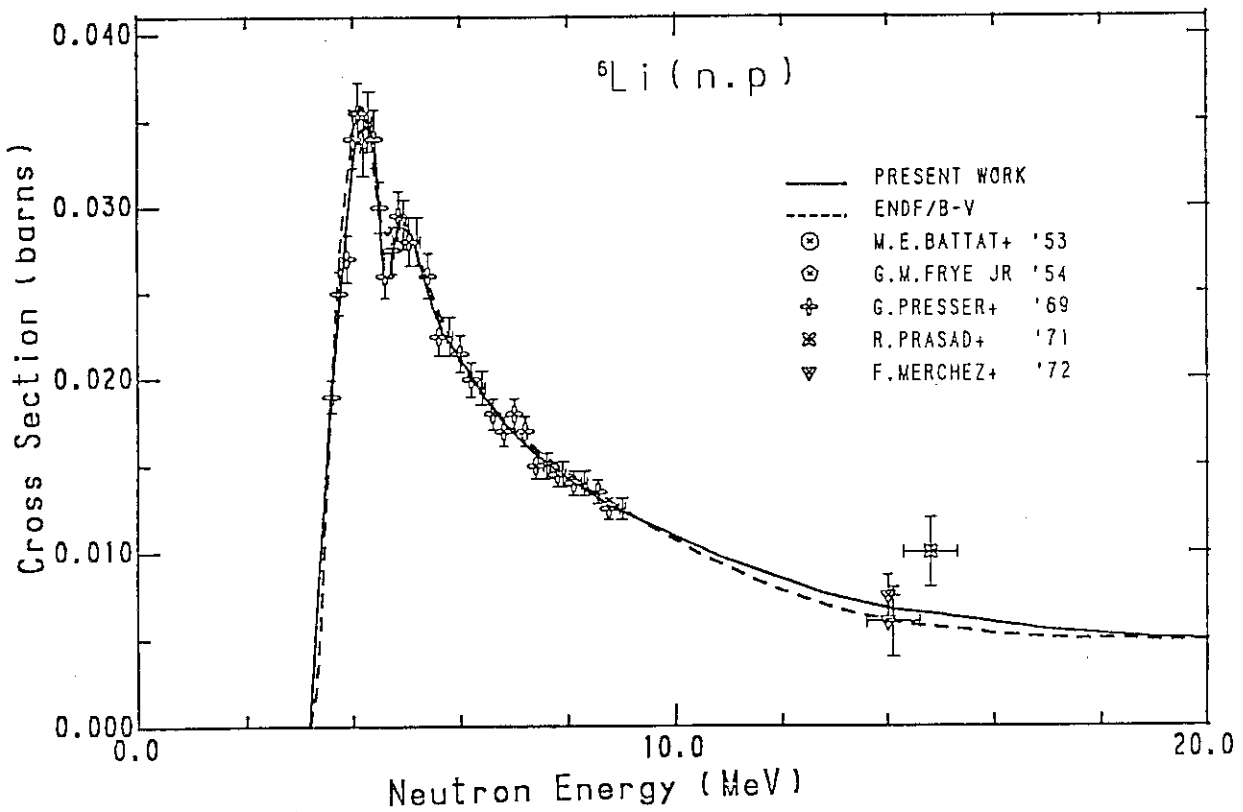


Fig. 12 Measured and evaluated (n,p) cross sections.

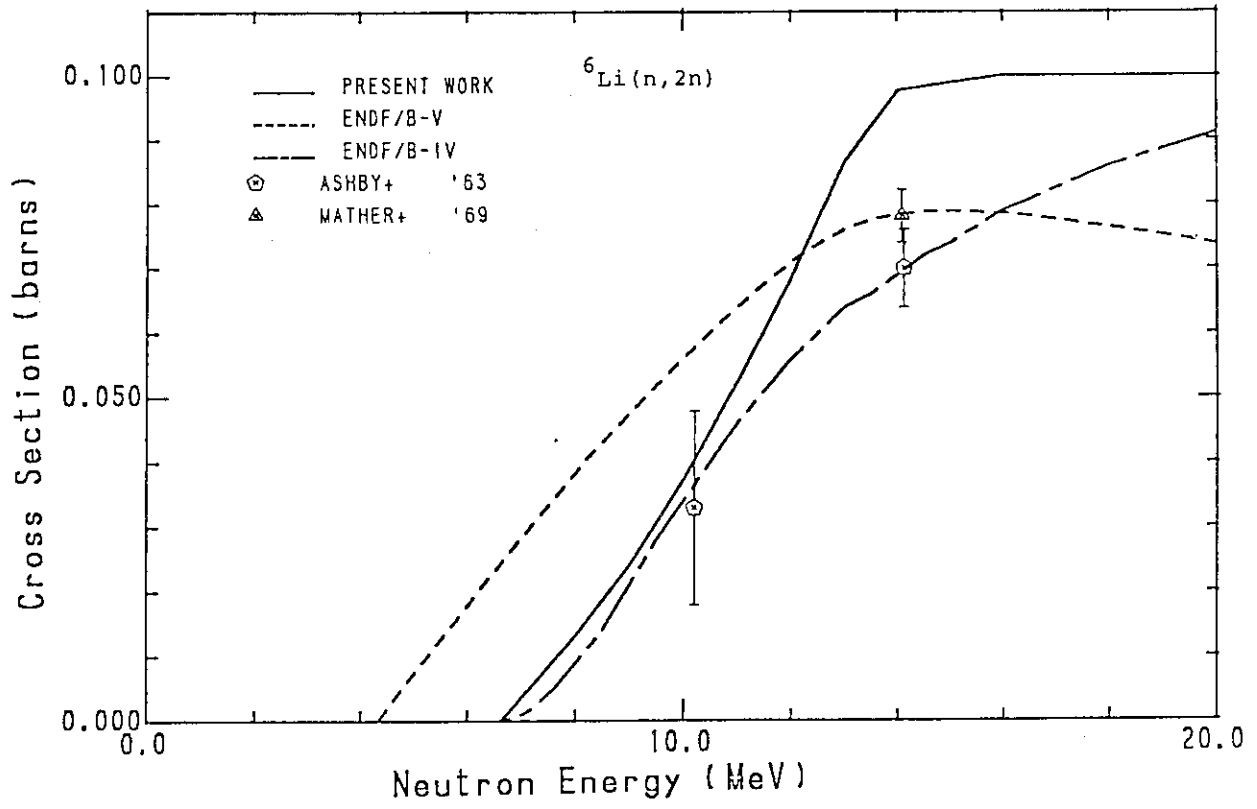


Fig. 13 Measured and evaluated (n,2n) cross sections.

Appendix

List with ENDF/B-V format

File 6 is not included in this listing.

.....10.....20.....30.....40.....50.....60.....	MAT	MF	MT	SEQ
3.00600+ 3 5.96345+ 0	0	306	1451	1
0.0 + 0 0.0 + 0	0	306	1451	2
0.0 + 0 0.0 + 0	0	306	1451	3
3-LI- 6 JAERI EVAL-DEC83 K.SHIBATA	25	306	1451	4
DIST-JUL84		306	1451	5
HISTORY		306	1451	6
83-12 NEWLY EVALUATED BY K.SHIBATA		306	1451	7
84-07 DATA OF MF=4 (MT=16,91) AND MF=5 (MT=16,91) WERE REVISED.		306	1451	8
COMMENT WAS ALSO MODIFIED.		306	1451	9
		306	1451	10
MF=1 GENERAL INFORMATION		306	1451	11
MT=451 DESCRIPTIVE DATA		306	1451	12
		306	1451	13
MF=2 RESONANCE PARAMETERS		306	1451	14
MT=151 SCATTERING RADIUS ONLY.		306	1451	15
		306	1451	16
MF=3 CROSS SECTIONS		306	1451	17
MT=1 SIG-T		306	1451	18
BELOW 1 MEV BASED ON THE R-MATRIX CALCULATION. SIG-CAP		306	1451	19
WAS ADDED TO THE CALCULATED CROSS SECTION.		306	1451	20
ABOVE 1 MEV, BASED ON THE EXPERIMENTAL DATA /1/-/3/.		306	1451	21
MT=2 SIG-EL		306	1451	22
BELOW 1 MEV, BASED ON THE R-MATRIX CALCULATION.		306	1451	23
ABOVE 1 MEV, THE CROSS SECTION WAS OBTAINED BY SUBTRACTING		306	1451	24
THE REACTION CROSS SECTION FROM THE TOTAL CROSS SECTION.		306	1451	25
MT=3 NON-ELASTIC		306	1451	26
SUM OF MT=4, 16, 102, 103 AND 107.		306	1451	27
MT=4 TOTAL INELASTIC		306	1451	28
SUM OF MT=51, 52 AND 91.		306	1451	29
MT=16 (N,2N)L15		306	1451	30
BASED ON THE EXPERIMENTAL DATA /4/,/5/.		306	1451	31
MT=51 SIG-IN 2.185 MEV		306	1451	32
BASED ON THE EXPERIMENTAL DATA /3/,/6/-/9/.		306	1451	33
MT=52 SIG-IN 3.562 MEV		306	1451	34
BASED ON THE EXPERIMENTAL DATA /10/,/11/.		306	1451	35
MT=91 (N,N')ALPHA-D		306	1451	36
THE (N,N')ALPHA-D CROSS SECTION WAS BASED ON THE		306	1451	37
MEASUREMENT OF ROSEN AND STEWART /12/. THE CONTRIBUTION		306	1451	38
FROM MT=51 WAS SUBTRACTED SO THAT SIG-T MIGHT BE EQUAL TO		306	1451	39
THE SUM OF PARTIAL CROSS SECTIONS.		306	1451	40
MT=102 CAPTURE		306	1451	41
BELOW 100 KEV, 1/V CURVE NORMALIZED TO THE THERMAL DATA		306	1451	42
OF JURNEY /13/.		306	1451	43
ABOVE 100 KEV, THE INVERSE REACTION DATA OF FERDINANDE		306	1451	44
ET AL./14/ WERE ADDED.		306	1451	45
MT=103 (N,P)		306	1451	46
BASED ON THE EXPERIMENTAL DATA /10/,/15/.		306	1451	47
MT=107 (N,ALPHA)T		306	1451	48
BELOW 1 MEV, R-MATRIX CALCULATION.		306	1451	49

.....10.....20.....30.....40.....50.....60.....	MAT	MF	MT	SEQ
	306	1451	50	
MT=251	306	1451	51	
	306	1451	52	
	306	1451	53	
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MT=2	306	1451	55	
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	306	1451	57	
	306	1451	58	
	306	1451	59	
	306	1451	60	
MT=16	306	1451	61	
	306	1451	62	
	306	1451	63	
MT=51	306	1451	64	
	306	1451	65	
	306	1451	66	
MT=52	306	1451	67	
	306	1451	68	
MT=91	306	1451	69	
	306	1451	70	
	306	1451	71	
	306	1451	72	
MF=5	306	1451	73	
MT=16,91	306	1451	74	
	306	1451	75	
	306	1451	76	
MF=6	306	1451	77	
	306	1451	78	
MT=16,91	306	1451	79	
	306	1451	80	
	306	1451	81	
MF=12	306	1451	82	
MT=52	306	1451	83	
M=1.0	306	1451	84	
MT=102	306	1451	85	
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	306	1451	87	
MF=14	306	1451	88	
MT=52	306	1451	89	
	306	1451	90	
MT=102	306	1451	91	
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	306	1451	93	
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1) KNITTER H.-H. ET AL.: EUR-5726E (1977).	306	1451	95	
2) LAMAZE G.P. ET AL.: BULL. AM. PHYS. SOC. 24 (1979) 862.	306	1451	96	
3) GUENTHER P. ET AL.: ANL/NDM-52 (1980).	306	1451	97	
4) MATHER D.S. AND PAIN L.F.: AWRE-O-47/69 (1969).	306	1451	98	
5) ASHBY V.J. ET AL.: PHYS. REV. 129 (1963) 1771.	306	1451	99	
6) HOGUE H.H. ET AL.: NUCL. SCI. ENG. 69 (1979) 22.	306	1451	100	
7) LISOWSKI P.W. ET AL.: LA-8342 (1980).	306	1451	101	
8) FOERTSCH H. ET AL.: ZFK-443 (1981), P.13.	306	1451	102	

.....10.....20.....30.....40.....50.....60.....	MAT	MF	MT	SEQ
9) DRAKE D.M.: DOE/NDC-24/U (1981), P.72.	306	1451		103
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11) BESOTOSNYJ ET AL.: YK-19 (1975), P.77.	306	1451		105
12) ROSEN L. AND STEWART L.: PHYS. REV. 126 (1962) 1150.	306	1451		106
13) JURNEY E.T.: USNDC-9 (1973), P.109.	306	1451		107
14) FERDINANDE H. ET AL.: CAN. J. PHYS. 55 (1977) 428.	306	1451		108
15) MERCHEZ F. ET AL.: NUCL. PHYS. A182 (1972) 428.	306	1451		109
16) BARTLE C.M.: NUCL. PHYS. A330 (1979) 1.	306	1451		110
17) BARTLE C.M. ET AL.: NUCL. PHYS. A397 (1983) 21.	306	1451		111
18) KNOX H.D. ET AL.: NUCL. SCI. ENG. 69 (1979) 223.	306	1451		112
19) AGEE F.P. AND ROSEN L.: LA-3538-MS (1966).	306	1451		113
20) HOPKINS J.C. ET AL.: NUCL. PHYS. A107 (1968) 139.	306	1451		114
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			3	1
				77
			3	2
				98
			3	3
				140
			3	4
				22
			3	16
				7
			3	51
				9
			3	52
				16
			3	91
				12
			3	102
				9
			3	103
				16
			3	107
				77
			3	251
				67
			4	2
				415
			4	16
				133
			4	51
				26
			4	52
				10
			4	91
				178
			5	16
				135
			5	91
				180
			12	52
				4
			12	102
				13
			14	52
				1
			14	102
				1
				306 1 0
				141
				306 0 0
				142
3.00600+ 3 5.96345+ 0	0	0	1	0 306 2151
				143
3.00600+ 3 1.00000+ 0	0	0	1	0 306 2151
				144
1.00000- 5 1.00000+ 5	0	0	0	0 306 2151
				145
1.00000+ 0 2.42000- 1	0	0	0	0 306 2151
				146
				306 2 0
				147
				306 0 0
				148
3.00600+ 3 5.96345+ 0	0	99	0	0 306 3 1
				149
0.0 + 0 0.0 + 0	0	0	2	222 306 3 1
				150
25 5 222 2			0	0 306 3 1
				151
1.00000- 5 4.73017+ 4 1.00000- 4 1.49583+ 4 1.00000- 3 4.73082+ 3				306 3 1
				152
1.00000- 2 1.49650+ 3 2.53000- 2 9.41103+ 2 1.00000- 1 4.73724+ 2				306 3 1
				153
1.00000+ 0 1.50291+ 2 1.00000+ 1 4.80178+ 1 1.00000+ 2 1.56763+ 1				306 3 1
				154
3.16228+ 2 9.13346+ 0 1.00000+ 3 5.45525+ 0 2.00000+ 3 4.07353+ 0				306 3 1
				155

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
3.00000+	3 3.46249+	0 4.00000+	3 3.09900+	0 5.00000+	3 2.85144+	0	306	3	1 156
6.00000+	3 2.66900+	0 7.00000+	3 2.52757+	0 8.00000+	3 2.41378+	0	306	3	1 157
9.00000+	3 2.31968+	0 1.00000+	4 2.24041+	0 2.00000+	4 1.81582+	0	306	3	1 158
3.00000+	4 1.63690+	0 4.00000+	4 1.53762+	0 5.00000+	4 1.47735+	0	306	3	1 159
6.00000+	4 1.44199+	0 7.00000+	4 1.42565+	0 8.00000+	4 1.42557+	0	306	3	1 160
9.00000+	4 1.44164+	0 1.00000+	5 1.47516+	0 1.10000+	5 1.53037+	0	306	3	1 161
1.20000+	5 1.61395+	0 1.30000+	5 1.72777+	0 1.40000+	5 1.88268+	0	306	3	1 162
1.50000+	5 2.15856+	0 1.60000+	5 2.49902+	0 1.65000+	5 2.72937+	0	306	3	1 163
1.70000+	5 2.97152+	0 1.75000+	5 3.29107+	0 1.80000+	5 3.62602+	0	306	3	1 164
1.85000+	5 4.06532+	0 1.90000+	5 4.52352+	0 1.95000+	5 5.11202+	0	306	3	1 165
2.00000+	5 5.72032+	0 2.05000+	5 6.46387+	0 2.10000+	5 7.22032+	0	306	3	1 166
2.15000+	5 8.05692+	0 2.16000+	5 8.22370+	0 2.17000+	5 8.39008+	0	306	3	1 167
2.18000+	5 8.55586+	0 2.19000+	5 8.72094+	0 2.20000+	5 8.88522+	0	306	3	1 168
2.21000+	5 9.03946+	0 2.22000+	5 9.19250+	0 2.23000+	5 9.34434+	0	306	3	1 169
2.24000+	5 9.49488+	0 2.25000+	5 9.64372+	0 2.26000+	5 9.79096+	0	306	3	1 170
2.27000+	5 9.93630+	0 2.28000+	5 1.00797+	1 2.29000+	5 1.02211+	1	306	3	1 171
2.30000+	5 1.03602+	1 2.31000+	5 1.04548+	1 2.32000+	5 1.05469+	1	306	3	1 172
2.33000+	5 1.06365+	1 2.34000+	5 1.07236+	1 2.35000+	5 1.08079+	1	306	3	1 173
2.36000+	5 1.08897+	1 2.37000+	5 1.09687+	1 2.38000+	5 1.10449+	1	306	3	1 174
2.39000+	5 1.11185+	1 2.40000+	5 1.11892+	1 2.41000+	5 1.11961+	1	306	3	1 175
2.42000+	5 1.11997+	1 2.43000+	5 1.12003+	1 2.44000+	5 1.11977+	1	306	3	1 176
2.45000+	5 1.11922+	1 2.46000+	5 1.11837+	1 2.47000+	5 1.11725+	1	306	3	1 177
2.48000+	5 1.11586+	1 2.49000+	5 1.11422+	1 2.50000+	5 1.11234+	1	306	3	1 178
2.51000+	5 1.10415+	1 2.52000+	5 1.09576+	1 2.53000+	5 1.08718+	1	306	3	1 179
2.54000+	5 1.07844+	1 2.55000+	5 1.06954+	1 2.56000+	5 1.06050+	1	306	3	1 180
2.57000+	5 1.05134+	1 2.58000+	5 1.04209+	1 2.59000+	5 1.03274+	1	306	3	1 181
2.60000+	5 1.02332+	1 2.61000+	5 1.01100+	1 2.62000+	5 9.98632+	0	306	3	1 182
2.63000+	5 9.86227+	0 2.64000+	5 9.73802+	0 2.65000+	5 9.61377+	0	306	3	1 183
2.66000+	5 9.48942+	0 2.67000+	5 9.36527+	0 2.68000+	5 9.24122+	0	306	3	1 184
2.69000+	5 9.11747+	0 2.70000+	5 8.99412+	0 2.71000+	5 8.86871+	0	306	3	1 185
2.72000+	5 8.74380+	0 2.73000+	5 8.61939+	0 2.74000+	5 8.49558+	0	306	3	1 186
2.75000+	5 8.37227+	0 2.76000+	5 8.24966+	0 2.77000+	5 8.12765+	0	306	3	1 187
2.78000+	5 8.00634+	0 2.79000+	5 7.88573+	0 2.80000+	5 7.76582+	0	306	3	1 188
2.85000+	5 7.22562+	0 2.90000+	5 6.70362+	0 2.95000+	5 6.26217+	0	306	3	1 189
3.00000+	5 5.83652+	0 3.10000+	5 5.14352+	0 3.20000+	5 4.59122+	0	306	3	1 190
3.30000+	5 4.14850+	0 3.40000+	5 3.79041+	0 3.50000+	5 3.49238+	0	306	3	1 191
3.60000+	5 3.24586+	0 3.70000+	5 3.03979+	0 3.80000+	5 2.86581+	0	306	3	1 192
3.90000+	5 2.71747+	0 4.00000+	5 2.58988+	0 4.10000+	5 2.47927+	0	306	3	1 193
4.20000+	5 2.38271+	0 4.30000+	5 2.29767+	0 4.40000+	5 2.22253+	0	306	3	1 194
4.50000+	5 2.15558+	0 4.60000+	5 2.09561+	0 4.70000+	5 2.04174+	0	306	3	1 195
4.80000+	5 1.99307+	0 4.90000+	5 1.94891+	0 5.00000+	5 1.90871+	0	306	3	1 196
5.10000+	5 1.87195+	0 5.20000+	5 1.83824+	0 5.30000+	5 1.80727+	0	306	3	1 197
5.40000+	5 1.77867+	0 5.50000+	5 1.75162+	0 5.60000+	5 1.72653+	0	306	3	1 198
5.70000+	5 1.70316+	0 5.80000+	5 1.68135+	0 5.90000+	5 1.66108+	0	306	3	1 199
6.00000+	5 1.64201+	0 6.10000+	5 1.62421+	0 6.20000+	5 1.60746+	0	306	3	1 200
6.30000+	5 1.59174+	0 6.40000+	5 1.57692+	0 6.50000+	5 1.56299+	0	306	3	1 201
6.60000+	5 1.54984+	0 6.70000+	5 1.53744+	0 6.80000+	5 1.52569+	0	306	3	1 202
6.90000+	5 1.51448+	0 7.00000+	5 1.50399+	0 7.10000+	5 1.49392+	0	306	3	1 203
7.20000+	5 1.48445+	0 7.30000+	5 1.47539+	0 7.40000+	5 1.46681+	0	306	3	1 204
7.50000+	5 1.45852+	0 7.60000+	5 1.45060+	0 7.70000+	5 1.44306+	0	306	3	1 205
7.80000+	5 1.43588+	0 7.90000+	5 1.42907+	0 8.00000+	5 1.42253+	0	306	3	1 206
8.10000+	5 1.41623+	0 8.20000+	5 1.41030+	0 8.30000+	5 1.40461+	0	306	3	1 207
8.40000+	5 1.39917+	0 8.50000+	5 1.39398+	0 8.60000+	5 1.38892+	0	306	3	1 208

.....10.....20.....30.....40.....50.....60.....										MAT	MF	MT	SEQ		
8.70000+	5	1.38421+	0	8.80000+	5	1.37973+	0	8.90000+	5	1.37538+	0	306	3	1	209
9.00000+	5	1.37127+	0	9.10000+	5	1.36728+	0	9.20000+	5	1.36353+	0	306	3	1	210
9.30000+	5	1.35990+	0	9.40000+	5	1.35649+	0	9.50000+	5	1.35321+	0	306	3	1	211
9.60000+	5	1.35005+	0	9.70000+	5	1.34711+	0	9.80000+	5	1.34429+	0	306	3	1	212
9.90000+	5	1.34158+	0	1.00000+	6	1.32000+	0	1.05000+	6	1.29770+	0	306	3	1	213
1.15000+	6	1.26480+	0	1.25000+	6	1.25470+	0	1.35850+	6	1.25690+	0	306	3	1	214
1.46280+	6	1.26130+	0	1.65530+	6	1.28410+	0	1.84790+	6	1.33710+	0	306	3	1	215
2.04000+	6	1.40870+	0	2.23290+	6	1.48720+	0	2.45760+	6	1.59100+	0	306	3	1	216
2.68220+	6	1.70870+	0	2.90700+	6	1.82350+	0	3.13150+	6	1.91830+	0	306	3	1	217
3.38820+	6	2.00640+	0	3.64500+	6	2.08040+	0	3.90170+	6	2.12730+	0	306	3	1	218
4.15840+	6	2.13370+	0	4.35100+	6	2.12270+	0	4.54350+	6	2.11540+	0	306	3	1	219
4.73610+	6	2.10960+	0	4.92860+	6	2.10310+	0	5.64260+	6	2.06040+	0	306	3	1	220
6.35670+	6	1.99770+	0	7.07100+	6	1.92940+	0	7.78470+	6	1.86970+	0	306	3	1	221
8.64320+	6	1.80670+	0	9.50160+	6	1.74220+	0	1.03600+	7	1.68000+	0	306	3	1	222
1.12190+	7	1.62370+	0	1.22610+	7	1.55800+	0	1.33040+	7	1.49160+	0	306	3	1	223
1.43470+	7	1.43040+	0	1.53900+	7	1.38050+	0	1.65300+	7	1.32850+	0	306	3	1	224
1.76700+	7	1.27240+	0	1.88080+	7	1.22280+	0	2.00000+	7	1.19050+	0	306	3	1	225
												306	3	0	226
3.00600+	3	5.96345+	0		0		0		0		0	306	3	2	227
0.0	+ 0	0.0	+ 0		0		0		1		284	306	3	2	228
	284		2		0		0		0		0	306	3	2	229
1.00000-	5	7.34930-	1	1.00000-	4	7.34930-	1	1.00000-	3	7.34930-	1	306	3	2	230
1.00000-	2	7.34930-	1	2.53000-	2	7.34930-	1	1.00000-	1	7.34920-	1	306	3	2	231
1.00000+	0	7.34910-	1	1.00000+	1	7.34870-	1	1.00000+	2	7.34740-	1	306	3	2	232
1.00000+	3	7.34160-	1	2.00000+	3	7.33690-	1	3.00000+	3	7.33280-	1	306	3	2	233
4.00000+	3	7.32900-	1	5.00000+	3	7.32550-	1	6.00000+	3	7.32220-	1	306	3	2	234
7.00000+	3	7.31900-	1	8.00000+	3	7.31610-	1	9.00000+	3	7.31320-	1	306	3	2	235
1.00000+	4	7.31050-	1	2.00000+	4	7.29080-	1	3.00000+	4	7.28670-	1	306	3	2	236
4.00000+	4	7.30000-	1	5.00000+	4	7.33390-	1	6.00000+	4	7.39530-	1	306	3	2	237
7.00000+	4	7.49330-	1	8.00000+	4	7.63810-	1	9.00000+	4	7.84470-	1	306	3	2	238
1.00000+	5	8.13260-	1	1.10000+	5	8.53430-	1	1.20000+	5	9.09740-	1	306	3	2	239
1.30000+	5	9.85060-	1	1.40000+	5	1.08690+	0	1.50000+	5	1.26170+	0	306	3	2	240
1.60000+	5	1.48430+	0	1.70000+	5	1.79760+	0	1.80000+	5	2.23850+	0	306	3	2	241
1.90000+	5	2.85370+	0	2.00000+	5	3.68970+	0	2.10000+	5	4.76080+	0	306	3	2	242
2.20000+	5	5.98360+	0	2.30000+	5	7.11600+	0	2.40000+	5	7.82540+	0	306	3	2	243
2.50000+	5	7.90790+	0	2.60000+	5	7.38090+	0	2.70000+	5	6.56940+	0	306	3	2	244
2.80000+	5	5.73430+	0	2.90000+	5	4.99650+	0	3.00000+	5	4.38520+	0	306	3	2	245
3.10000+	5	3.89110+	0	3.20000+	5	3.49370+	0	3.30000+	5	3.17270+	0	306	3	2	246
3.40000+	5	2.91140+	0	3.50000+	5	2.69230+	0	3.60000+	5	2.51010+	0	306	3	2	247
3.70000+	5	2.35710+	0	3.80000+	5	2.22740+	0	3.90000+	5	2.11640+	0	306	3	2	248
4.00000+	5	2.02060+	0	4.10000+	5	1.93730+	0	4.20000+	5	1.86440+	0	306	3	2	249
4.30000+	5	1.80000+	0	4.40000+	5	1.74300+	0	4.50000+	5	1.69210+	0	306	3	2	250
4.60000+	5	1.64640+	0	4.70000+	5	1.60530+	0	4.80000+	5	1.56810+	0	306	3	2	251
4.90000+	5	1.53430+	0	5.00000+	5	1.50350+	0	5.10000+	5	1.47530+	0	306	3	2	252
5.20000+	5	1.44940+	0	5.30000+	5	1.42560+	0	5.40000+	5	1.40360+	0	306	3	2	253
5.50000+	5	1.38270+	0	5.60000+	5	1.36330+	0	5.70000+	5	1.34520+	0	306	3	2	254
5.80000+	5	1.32830+	0	5.90000+	5	1.31260+	0	6.00000+	5	1.29780+	0	306	3	2	255
6.10000+	5	1.28400+	0	6.20000+	5	1.27100+	0	6.30000+	5	1.25880+	0	306	3	2	256
6.40000+	5	1.24730+	0	6.50000+	5	1.23650+	0	6.60000+	5	1.22630+	0	306	3	2	257
6.70000+	5	1.21670+	0	6.80000+	5	1.20760+	0	6.90000+	5	1.19890+	0	306	3	2	258
7.00000+	5	1.19080+	0	7.10000+	5	1.18300+	0	7.20000+	5	1.17570+	0	306	3	2	259
7.30000+	5	1.16370+	0	7.40000+	5	1.16210+	0	7.50000+	5	1.15570+	0	306	3	2	260
7.60000+	5	1.14960+	0	7.70000+	5	1.14380+	0	7.80000+	5	1.13830+	0	306	3	2	261

	10	20	30	40	50	60	MAT	MF	MT	SEQ					
7.90000+	5	1.13310+	0	8.00000+	5	1.12810+	0	8.10000+	5	1.12330+	0	306	3	2	262
8.20000+	5	1.11880+	0	8.30000+	5	1.11450+	0	8.40000+	5	1.11040+	0	306	3	2	263
8.50000+	5	1.10650+	0	8.60000+	5	1.10270+	0	8.70000+	5	1.09920+	0	306	3	2	264
8.80000+	5	1.09590+	0	8.90000+	5	1.09270+	0	9.00000+	5	1.08970+	0	306	3	2	265
9.10000+	5	1.08680+	0	9.20000+	5	1.08410+	0	9.30000+	5	1.08150+	0	306	3	2	266
9.40000+	5	1.07910+	0	9.50000+	5	1.07680+	0	9.60000+	5	1.07460+	0	306	3	2	267
9.70000+	5	1.07260+	0	9.80000+	5	1.07070+	0	9.90000+	5	1.06890+	0	306	3	2	268
1.00000+	6	1.04820+	0	1.05000+	6	1.03013+	0	1.10000+	6	1.01763+	0	306	3	2	269
1.15000+	6	1.00493+	0	1.20000+	6	1.00352+	0	1.25000+	6	1.00204+	0	306	3	2	270
1.30000+	6	1.00661+	0	1.35000+	6	1.01120+	0	1.35850+	6	1.01198+	0	306	3	2	271
1.40000+	6	1.01674+	0	1.45000+	6	1.02251+	0	1.46280+	6	1.02400+	0	306	3	2	272
1.50000+	6	1.03119+	0	1.55000+	6	1.04093+	0	1.60000+	6	1.05075+	0	306	3	2	273
1.65000+	6	1.06064+	0	1.65530+	6	1.06170+	0	1.70000+	6	1.07761+	0	306	3	2	274
1.72057+	6	1.08497+	0	1.75000+	6	1.09361+	0	1.80000+	6	1.10835+	0	306	3	2	275
1.84790+	6	1.11893+	0	2.04000+	6	1.18008+	0	2.23290+	6	1.24809+	0	306	3	2	276
2.28000+	6	1.27064+	0	2.45760+	6	1.35564+	0	2.50000+	6	1.37857+	0	306	3	2	277
2.55140+	6	1.38807+	0	2.55140+	6	1.38807+	0	2.60200+	6	1.39743+	0	306	3	2	278
2.68220+	6	1.41209+	0	2.78417+	6	1.42937+	0	2.90700+	6	1.45019+	0	306	3	2	279
2.97100+	6	1.45538+	0	3.00000+	6	1.45725+	0	3.13150+	6	1.46049+	0	306	3	2	280
3.18464+	6	1.45760+	0	3.22331+	6	1.45370+	0	3.34000+	6	1.44193+	0	306	3	2	281
3.38820+	6	1.43605+	0	3.42600+	6	1.42935+	0	3.50000+	6	1.41623+	0	306	3	2	282
3.52460+	6	1.41729+	0	3.59500+	6	1.41896+	0	3.64500+	6	1.42112+	0	306	3	2	283
3.66700+	6	1.41975+	0	3.70910+	6	1.41685+	0	3.73850+	6	1.41469+	0	306	3	2	284
3.76380+	6	1.41275+	0	3.88200+	6	1.40371+	0	3.90170+	6	1.40234+	0	306	3	2	285
4.00000+	6	1.37996+	0	4.02600+	6	1.37924+	0	4.09700+	6	1.37818+	0	306	3	2	286
4.15840+	6	1.37808+	0	4.15931+	6	1.37800+	0	4.16900+	6	1.37715+	0	306	3	2	287
4.24700+	6	1.37049+	0	4.25300+	6	1.36992+	0	4.25400+	6	1.36983+	0	306	3	2	288
4.25900+	6	1.36935+	0	4.26270+	6	1.36900+	0	4.27200+	6	1.36817+	0	306	3	2	289
4.28400+	6	1.36704+	0	4.29700+	6	1.36581+	0	4.32200+	6	1.36335+	0	306	3	2	290
4.33810+	6	1.36173+	0	4.34700+	6	1.36097+	0	4.35100+	6	1.36063+	0	306	3	2	291
4.39750+	6	1.35760+	0	4.42300+	6	1.35608+	0	4.44770+	6	1.35525+	0	306	3	2	292
4.46500+	6	1.35469+	0	4.48000+	6	1.35448+	0	4.50000+	6	1.35411+	0	306	3	2	293
4.50700+	6	1.35384+	0	4.51200+	6	1.35362+	0	4.54350+	6	1.35217+	0	306	3	2	294
4.55800+	6	1.35161+	0	4.57700+	6	1.35040+	0	4.60800+	6	1.34852+	0	306	3	2	295
4.64200+	6	1.34576+	0	4.65900+	6	1.34451+	0	4.67400+	6	1.34320+	0	306	3	2	296
4.70600+	6	1.34067+	0	4.71000+	6	1.34038+	0	4.73610+	6	1.33829+	0	306	3	2	297
4.74200+	6	1.33780+	0	4.77800+	6	1.33491+	0	4.81100+	6	1.33228+	0	306	3	2	298
4.81400+	6	1.33207+	0	4.81630+	6	1.33190+	0	4.85000+	6	1.32944+	0	306	3	2	299
4.91230+	6	1.32467+	0	4.92860+	6	1.32369+	0	5.00000+	6	1.31755+	0	306	3	2	300
5.01500+	6	1.31686+	0	5.10700+	6	1.31248+	0	5.18000+	6	1.30932+	0	306	3	2	301
5.30100+	6	1.30395+	0	5.34500+	6	1.30202+	0	5.37000+	6	1.30091+	0	306	3	2	302
5.49500+	6	1.29477+	0	5.50000+	6	1.29451+	0	5.51000+	6	1.29419+	0	306	3	2	303
5.64260+	6	1.28998+	0	5.64670+	6	1.28973+	0	5.68900+	6	1.28696+	0	306	3	2	304
5.84000+	6	1.27669+	0	5.92340+	6	1.27108+	0	5.97600+	6	1.26736+	0	306	3	2	305
6.00000+	6	1.26567+	0	6.01000+	6	1.26507+	0	6.17100+	6	1.25535+	0	306	3	2	306
6.26400+	6	1.24970+	0	6.35670+	6	1.24404+	0	6.50000+	6	1.23418+	0	306	3	2	307
6.55100+	6	1.23067+	0	6.61394+	6	1.22630+	0	6.72570+	6	1.21746+	0	306	3	2	308
6.83800+	6	1.20852+	0	6.95000+	6	1.19948+	0	7.00000+	6	1.19543+	0	306	3	2	309
7.07100+	6	1.19131+	0	7.34450+	6	1.17872+	0	7.52800+	6	1.17015+	0	306	3	2	310
7.78470+	6	1.15765+	0	7.85100+	6	1.15510+	0	8.00000+	6	1.14933+	0	306	3	2	311
8.33030+	6	1.13211+	0	8.35800+	6	1.13058+	0	8.47000+	6	1.12437+	0	306	3	2	312
8.64320+	6	1.11476+	0	8.86500+	6	1.10206+	0	9.00000+	6	1.09424+	0	306	3	2	313
9.13260+	6	1.08587+	0	9.50160+	6	1.06159+	0	1.00000+	7	1.03012+	0	306	3	2	314

.....10.....20.....30.....40.....50.....60.....										MAT	MF	MT	SEQ		
1.03600+	7	1.01523+	0	1.05000+	7	1.01041+	0	1.09000+	7	9.96633-	1	306	3	2	315
1.10000+	7	9.93156-	1	1.12190+	7	9.87289-	1	1.13710+	7	9.83594-	1	306	3	2	316
1.20000+	7	9.68024-	1	1.22610+	7	9.55418-	1	1.28000+	7	9.29054-	1	306	3	2	317
1.30000+	7	9.19203-	1	1.33040+	7	9.06388-	1	1.36090+	7	8.95050-	1	306	3	2	318
1.40000+	7	8.80685-	1	1.41000+	7	8.76717-	1	1.43470+	7	8.66828-	1	306	3	2	319
1.52000+	7	8.41919-	1	1.53900+	7	8.36379-	1	1.55000+	7	8.33416-	1	306	3	2	320
1.58480+	7	8.24044-	1	1.60000+	7	8.20084-	1	1.65300+	7	8.02941-	1	306	3	2	321
1.69670+	7	7.87233-	1	1.70000+	7	7.85979-	1	1.76700+	7	7.60411-	1	306	3	2	322
1.80000+	7	7.49674-	1	1.82000+	7	7.42855-	1	1.88080+	7	7.21685-	1	306	3	2	323
1.90000+	7	7.18165-	1	2.00000+	7	6.99664-	1					306	3	2	324
												306	3	0	325
3.00600+	3	5.96345+	0				99		0		0	306	3	3	326
0.0	+ 0	7.25053+	6			0	0		1		409	306	3	3	327
	409		2			0	0		0		0	306	3	3	328
1.00000-	5	4.73009+	4	1.28124-	5	4.17883+	4	1.56249-	5	3.78408+	4	306	3	3	329
2.12498-	5	3.24481+	4	2.68747-	5	2.88532+	4	3.24998-	5	2.62377+	4	306	3	3	330
4.37497-	5	2.26140+	4	5.49999-	5	2.01690+	4	6.62496-	5	1.83769+	4	306	3	3	331
7.74997-	5	1.69908+	4	1.00000-	4	1.49576+	4	1.28124-	4	1.32144+	4	306	3	3	332
1.56249-	4	1.19662+	4	2.12498-	4	1.02609+	4	2.68747-	4	9.12417+	3	306	3	3	333
3.24998-	4	8.29708+	3	4.37497-	4	7.15120+	3	5.49999-	4	6.37803+	3	306	3	3	334
6.62496-	4	5.81134+	3	7.74997-	4	5.37302+	3	1.00000-	3	4.73009+	3	306	3	3	335
1.28124-	3	4.17882+	3	1.56249-	3	3.78408+	3	2.12499-	3	3.24481+	3	306	3	3	336
2.68748-	3	2.88532+	3	3.24998-	3	2.62377+	3	4.37497-	3	2.26140+	3	306	3	3	337
5.49999-	3	2.01690+	3	6.62497-	3	1.83769+	3	7.74997-	3	1.69908+	3	306	3	3	338
1.00000-	2	1.49576+	3	1.38250-	2	1.27212+	3	1.76500-	2	1.12587+	3	306	3	3	339
2.14750-	2	1.02069+	3	2.53000-	2	9.40368+	2	3.46374-	2	8.03682+	2	306	3	3	340
4.39748-	2	7.13269+	2	5.33123-	2	6.47799+	2	6.26499-	2	5.97576+	2	306	3	3	341
8.13247-	2	5.24834+	2	1.00000-	1	4.72989+	2	1.28125-	1	4.17859+	2	306	3	3	342
1.56250-	1	3.78383+	2	2.12500-	1	3.24456+	2	2.68750-	1	2.88507+	2	306	3	3	343
3.25000-	1	2.62352+	2	4.37500-	1	2.26116+	2	5.50000-	1	2.01667+	2	306	3	3	344
6.62499-	1	1.83747+	2	7.75000-	1	1.69886+	2	1.00000+	0	1.49556+	2	306	3	3	345
1.28125+	0	1.32122+	2	1.56250+	0	1.19639+	2	2.12500+	0	1.02587+	2	306	3	3	346
2.68750+	0	9.12194+	1	3.25000+	0	8.29491+	1	4.37500+	0	7.14910+	1	306	3	3	347
5.50000+	0	6.37601+	1	6.62500+	0	5.80937+	1	7.75000+	0	5.37112+	1	306	3	3	348
1.00000+	1	4.72829+	1	1.28125+	1	4.17690+	1	1.56250+	1	3.78211+	1	306	3	3	349
2.12500+	1	3.24283+	1	2.68750+	1	2.88336+	1	3.25000+	1	2.62183+	1	306	3	3	350
4.37500+	1	2.25953+	1	5.50000+	1	2.01509+	1	6.62500+	1	1.83594+	1	306	3	3	351
7.75000+	1	1.69738+	1	1.00000+	2	1.49416+	1	1.28125+	2	1.31990+	1	306	3	3	352
1.56250+	2	1.19514+	1	2.12500+	2	1.02471+	1	2.68750+	2	9.11110+	0	306	3	3	353
3.25000+	2	8.28465+	0	4.37500+	2	7.13972+	0	5.50000+	2	6.36728+	0	306	3	3	354
6.62500+	2	5.80114+	0	7.75000+	2	5.36329+	0	1.00000+	3	4.72109+	0	306	3	3	355
1.28125+	3	4.17154+	0	1.56250+	3	3.77798+	0	2.00000+	3	3.33984+	0	306	3	3	356
2.12500+	3	3.24052+	0	2.68750+	3	2.88288+	0	3.00000+	3	2.72921+	0	306	3	3	357
3.25000+	3	2.62292+	0	4.00000+	3	2.36610+	0	4.37500+	3	2.26353+	0	306	3	3	358
5.00000+	3	2.11889+	0	5.50000+	3	2.02165+	0	6.00000+	3	1.93678+	0	306	3	3	359
6.62500+	3	1.84485+	0	7.00000+	3	1.79567+	0	7.75000+	3	1.70849+	0	306	3	3	360
8.00000+	3	1.68217+	0	9.00000+	3	1.58836+	0	1.00000+	4	1.50936+	0	306	3	3	361
1.28125+	4	1.34209+	0	1.56250+	4	1.22162+	0	2.00000+	4	1.08674+	0	306	3	3	362
2.12500+	4	1.05797+	0	2.68750+	4	9.53542-	1	3.00000+	4	9.08235-	1	306	3	3	363
3.25000+	4	8.79045-	1	4.00000+	4	8.07621-	1	4.37500+	4	7.81424-	1	306	3	3	364
5.00000+	4	7.43957-	1	5.50000+	4	7.21970-	1	6.00000+	4	7.02465-	1	306	3	3	365
6.62500+	4	6.86126-	1	7.00000+	4	6.76323-	1	7.75000+	4	6.65402-	1	306	3	3	366
8.00000+	4	6.61762-	1	9.00000+	4	6.57170-	1	1.00000+	5	6.61899-	1	306	3	3	367

.....10.....		.....20.....		.....30.....		.....40.....		.....50.....		.....60.....		MAT	MF	MT	SEQ
1.10000+	5	6.76939-	1	1.20000+	5	7.04209-	1	1.30000+	5	7.42709-	1	306	3	3	368
1.40000+	5	7.95779-	1	1.50000+	5	8.96859-	1	1.60000+	5	1.01472+	0	306	3	3	369
1.65000+	5	1.08842+	0	1.70000+	5	1.17392+	0	1.75000+	5	1.27302+	0	306	3	3	370
1.80000+	5	1.38752+	0	1.85000+	5	1.51922+	0	1.90000+	5	1.66982+	0	306	3	3	371
1.95000+	5	1.84032+	0	2.00000+	5	2.03062+	0	2.05000+	5	2.23862+	0	306	3	3	372
2.10000+	5	2.45952+	0	2.12500+	5	2.57212+	0	2.15000+	5	2.68472+	0	306	3	3	373
2.16000+	5	2.72922+	0	2.17000+	5	2.77332+	0	2.18000+	5	2.81682+	0	306	3	3	374
2.19000+	5	2.85962+	0	2.20000+	5	2.90162+	0	2.21000+	5	2.94262+	0	306	3	3	375
2.22000+	5	2.98242+	0	2.23000+	5	3.02102+	0	2.24000+	5	3.05832+	0	306	3	3	376
2.25000+	5	3.09392+	0	2.26000+	5	3.12792+	0	2.27000+	5	3.16002+	0	306	3	3	377
2.28000+	5	3.19022+	0	2.29000+	5	3.21832+	0	2.30000+	5	3.24422+	0	306	3	3	378
2.31000+	5	3.26782+	0	2.32000+	5	3.28902+	0	2.33000+	5	3.30772+	0	306	3	3	379
2.34000+	5	3.32382+	0	2.35000+	5	3.33722+	0	2.36000+	5	3.34802+	0	306	3	3	380
2.37000+	5	3.35612+	0	2.38000+	5	3.36142+	0	2.39000+	5	3.36402+	0	306	3	3	381
2.40000+	5	3.36382+	0	2.41000+	5	3.36242+	0	2.42000+	5	3.35782+	0	306	3	3	382
2.43000+	5	3.35012+	0	2.44000+	5	3.33932+	0	2.45000+	5	3.32552+	0	306	3	3	383
2.46000+	5	3.30882+	0	2.47000+	5	3.28932+	0	2.48000+	5	3.26722+	0	306	3	3	384
2.49000+	5	3.24252+	0	2.50000+	5	3.21552+	0	2.51000+	5	3.18632+	0	306	3	3	385
2.52000+	5	3.15512+	0	2.53000+	5	3.12202+	0	2.54000+	5	3.08732+	0	306	3	3	386
2.55000+	5	3.05102+	0	2.56000+	5	3.01332+	0	2.57000+	5	2.97442+	0	306	3	3	387
2.58000+	5	2.93462+	0	2.59000+	5	2.89382+	0	2.60000+	5	2.85232+	0	306	3	3	388
2.61000+	5	2.81022+	0	2.62000+	5	2.76772+	0	2.63000+	5	2.72482+	0	306	3	3	389
2.64000+	5	2.68172+	0	2.65000+	5	2.63862+	0	2.66000+	5	2.59542+	0	306	3	3	390
2.67000+	5	2.55242+	0	2.68000+	5	2.50952+	0	2.69000+	5	2.46692+	0	306	3	3	391
2.70000+	5	2.42472+	0	2.71000+	5	2.38282+	0	2.72000+	5	2.34142+	0	306	3	3	392
2.73000+	5	2.30052+	0	2.74000+	5	2.26022+	0	2.75000+	5	2.22042+	0	306	3	3	393
2.76000+	5	2.18132+	0	2.77000+	5	2.14282+	0	2.78000+	5	2.10502+	0	306	3	3	394
2.79000+	5	2.06792+	0	2.80000+	5	2.03152+	0	2.85000+	5	1.86022+	0	306	3	3	395
2.90000+	5	1.70712+	0	2.95000+	5	1.57132+	0	3.00000+	5	1.45132+	0	306	3	3	396
3.10000+	5	1.25242+	0	3.20000+	5	1.09752+	0	3.25000+	5	1.03666+	0	306	3	3	397
3.30000+	5	9.75798-	1	3.40000+	5	8.79008-	1	3.50000+	5	8.00078-	1	306	3	3	398
3.60000+	5	7.35758-	1	3.70000+	5	6.82688-	1	3.80000+	5	6.38408-	1	306	3	3	399
3.90000+	5	6.01068-	1	4.00000+	5	5.40000-	1	4.10000+	5	5.41968-	1	306	3	3	400
4.20000+	5	5.18308-	1	4.30000+	5	4.97668-	1	4.40000+	5	4.79528-	1	306	3	3	401
4.50000+	5	4.63478-	1	4.60000+	5	4.49208-	1	4.70000+	5	4.36438-	1	306	3	3	402
4.80000+	5	4.24967-	1	4.90000+	5	4.14608-	1	5.00000+	5	4.05207-	1	306	3	3	403
5.10000+	5	3.96647-	1	5.20000+	5	3.88837-	1	5.30000+	5	3.81667-	1	306	3	3	404
5.40000+	5	3.75067-	1	5.50000+	5	3.68917-	1	5.60000+	5	3.63227-	1	306	3	3	405
5.70000+	5	3.57957-	1	5.80000+	5	3.53047-	1	5.90000+	5	3.48477-	1	306	3	3	406
6.00000+	5	3.44207-	1	6.10000+	5	3.40207-	1	6.20000+	5	3.36457-	1	306	3	3	407
6.30000+	5	3.32937-	1	6.40000+	5	3.29617-	1	6.50000+	5	3.26487-	1	306	3	3	408
6.60000+	5	3.23537-	1	6.70000+	5	3.20737-	1	6.80000+	5	3.18087-	1	306	3	3	409
6.90000+	5	3.15577-	1	7.00000+	5	3.13187-	1	7.10000+	5	3.10917-	1	306	3	3	410
7.20000+	5	3.08747-	1	7.30000+	5	3.06687-	1	7.40000+	5	3.04707-	1	306	3	3	411
7.50000+	5	3.02817-	1	7.60000+	5	3.00997-	1	7.70000+	5	2.99257-	1	306	3	3	412
7.80000+	5	2.97577-	1	7.90000+	5	2.95967-	1	8.00000+	5	2.94427-	1	306	3	3	413
8.10000+	5	2.92937-	1	8.20000+	5	2.91497-	1	8.30000+	5	2.90107-	1	306	3	3	414
8.40000+	5	2.88767-	1	8.50000+	5	2.87477-	1	8.60000+	5	2.86217-	1	306	3	3	415
8.70000+	5	2.85007-	1	8.80000+	5	2.83827-	1	8.90000+	5	2.82677-	1	306	3	3	416
9.00000+	5	2.81567-	1	9.10000+	5	2.80477-	1	9.20000+	5	2.79427-	1	306	3	3	417
9.30000+	5	2.78397-	1	9.40000+	5	2.77387-	1	9.50000+	5	2.76407-	1	306	3	3	418
9.60000+	5	2.75447-	1	9.70000+	5	2.74507-	1	9.80000+	5	2.73587-	1	306	3	3	419
9.90000+	5	2.72677-	1	1.00000+	6	2.71797-	1	1.05000+	6	2.67567-	1	306	3	3	420

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
1.10000+	6 2.63618-	1 1.15000+	6 2.59868-	1 1.20000+	6 2.56229-	1	306	3	3 421
1.25000+	6 2.52659-	1 1.30000+	6 2.49100-	1 1.35000+	6 2.45530-	1	306	3	3 422
1.40000+	6 2.41910-	1 1.45000+	6 2.38251-	1 1.50000+	6 2.34511-	1	306	3	3 423
1.55000+	6 2.30692-	1 1.60000+	6 2.26802-	1 1.65000+	6 2.22833-	1	306	3	3 424
1.70000+	6 2.18783-	1 1.72057+	6 2.17089-	1 1.75000+	6 2.16552-	1	306	3	3 425
1.80000+	6 2.15569-	1 2.23290+	6 2.39103-	1 2.28000+	6 2.38317-	1	306	3	3 426
2.50000+	6 2.34647-	1 2.55140+	6 2.52080-	1 2.55140+	6 2.52080-	1	306	3	3 427
2.60200+	6 2.69241-	1 2.78417+	6 3.31398-	1 2.97100+	6 3.95145-	1	306	3	3 428
3.00000+	6 4.05517-	1 3.18464+	6 4.78934-	1 3.22331+	6 4.96105-	1	306	3	3 429
3.34000+	6 5.47921-	1 3.42600+	6 5.87943-	1 3.50000+	6 6.22380-	1	306	3	3 430
3.52460+	6 6.28416-	1 3.59500+	6 6.47028-	1 3.66700+	6 6.64666-	1	306	3	3 431
3.70910+	6 6.75259-	1 3.73850+	6 6.82790-	1 3.76380+	6 6.89348-	1	306	3	3 432
3.88200+	6 7.19987-	1 4.00000+	6 7.49789-	1 4.02600+	6 7.51155-	1	306	3	3 433
4.09700+	6 7.53983-	1 4.15931+	6 7.55644-	1 4.16900+	6 7.55947-	1	306	3	3 434
4.24700+	6 7.58151-	1 4.25300+	6 7.58370-	1 4.25400+	6 7.58408-	1	306	3	3 435
4.25900+	6 7.58597-	1 4.26270+	6 7.58742-	1 4.27200+	6 7.59040-	1	306	3	3 436
4.28400+	6 7.59479-	1 4.29700+	6 7.59968-	1 4.32200+	6 7.61003-	1	306	3	3 437
4.33810+	6 7.61704-	1 4.34700+	6 7.61957-	1 4.39750+	6 7.63331-	1	306	3	3 438
4.42300+	6 7.63891-	1 4.44770+	6 7.63781-	1 4.46500+	6 7.63686-	1	306	3	3 439
4.48000+	6 7.63324-	1 4.50000+	6 7.62935-	1 4.50700+	6 7.62938-	1	306	3	3 440
4.51200+	6 7.62968-	1 4.55800+	6 7.63346-	1 4.57700+	6 7.63992-	1	306	3	3 441
4.60800+	6 7.64938-	1 4.64200+	6 7.66671-	1 4.65900+	6 7.67407-	1	306	3	3 442
4.67400+	6 7.68264-	1 4.70600+	6 7.69833-	1 4.71000+	6 7.69999-	1	306	3	3 443
4.74200+	6 7.71599-	1 4.77800+	6 7.73269-	1 4.81100+	6 7.74787-	1	306	3	3 444
4.81400+	6 7.74896-	1 4.81630+	6 7.74987-	1 4.85000+	6 7.76313-	1	306	3	3 445
4.91230+	6 7.78975-	1 5.00000+	6 7.81279-	1 5.01500+	6 7.81073-	1	306	3	3 446
5.10700+	6 7.79947-	1 5.18000+	6 7.78743-	1 5.30100+	6 7.76870-	1	306	3	3 447
5.34500+	6 7.76169-	1 5.37000+	6 7.75784-	1 5.49500+	6 7.74448-	1	306	3	3 448
5.50000+	6 7.74412-	1 5.51000+	6 7.74138-	1 5.64670+	6 7.70306-	1	306	3	3 449
5.68900+	6 7.69358-	1 5.84000+	6 7.66377-	1 5.92340+	6 7.64665-	1	306	3	3 450
5.97600+	6 7.63760-	1 6.00000+	6 7.63342-	1 6.01000+	6 7.63067-	1	306	3	3 451
6.17100+	6 7.58649-	1 6.26400+	6 7.56137-	1 6.50000+	6 7.49818-	1	306	3	3 452
6.55100+	6 7.48446-	1 6.61394+	6 7.46803-	1 6.72570+	6 7.44948-	1	306	3	3 453
6.83800+	6 7.43158-	1 6.95000+	6 7.41482-	1 7.00000+	6 7.40752-	1	306	3	3 454
7.34450+	6 7.27802-	1 7.52800+	6 7.21022-	1 7.85100+	6 7.09727-	1	306	3	3 455
8.00000+	6 7.04566-	1 8.33030+	6 6.97543-	1 8.35800+	6 6.97045-	1	306	3	3 456
8.47000+	6 6.95035-	1 8.86500+	6 6.87967-	1 9.00000+	6 6.85641-	1	306	3	3 457
9.13260+	6 6.84057-	1 1.00000+	7 6.75958-	1 1.05000+	7 6.60410-	1	306	3	3 458
1.09000+	7 6.47971-	1 1.10000+	7 6.44895-	1 1.13710+	7 6.30519-	1	306	3	3 459
1.20000+	7 6.06430-	1 1.28000+	7 5.94630-	1 1.30000+	7 5.91748-	1	306	3	3 460
1.36090+	7 5.78652-	1 1.40000+	7 5.70074-	1 1.41000+	7 5.68174-	1	306	3	3 461
1.52000+	7 5.47670-	1 1.55000+	7 5.42065-	1 1.58480+	7 5.35562-	1	306	3	3 462
1.60000+	7 5.32588-	1 1.69670+	7 5.19760-	1 1.70000+	7 5.19390-	1	306	3	3 463
1.80000+	7 5.08340-	1 1.82000+	7 5.06443-	1 1.90000+	7 4.99431-	1	306	3	3 464
2.00000+	7 4.90835-	1					306	3	3 465
							306	3	0 466
3.00600+	3 5.96345+	0	0	99	0	0	306	3	4 467
0.0	+ 0-1.47348+	6	0	0	1	56	306	3	4 468
	56	2	0	0	0	0	306	3	4 469
1.72057+	6 0.0	+ 0 2.50000+	6 5.00000-	2 2.55140+	6 7.15880-	2	306	3	4 470
2.55140+	6 7.15879-	2 2.78417+	6 1.69351-	1 3.00000+	6 2.60000-	1	306	3	4 471
3.22331+	6 3.62722-	1 3.42600+	6 4.55960-	1 3.50000+	6 4.90000-	1	306	3	4 472
3.76380+	6 5.53312-	1 4.00000+	6 6.10000-	1 4.15931+	6 6.16372-	1	306	3	4 473

										10											20											30											40											50											60	MAT	MF	MT	SEQ
4.24700+	6	6.20285-	1	4.25300+	6	6.20601-	1	4.25900+	6	6.20930-	1	306	3	4	474																																																						
4.27200+	6	6.21661-	1	4.28400+	6	6.22392-	1	4.29700+	6	6.23196-	1	306	3	4	475																																																						
4.32200+	6	6.24837-	1	4.34700+	6	6.26533-	1	4.39750+	6	6.29896-	1	306	3	4	476																																																						
4.42300+	6	6.31461-	1	4.44770+	6	6.32838-	1	4.48000+	6	6.34604-	1	306	3	4	477																																																						
4.50000+	6	6.35792-	1	4.51200+	6	6.36745-	1	4.57700+	6	6.42053-	1	306	3	4	478																																																						
4.64200+	6	6.47134-	1	4.67400+	6	6.49391-	1	4.70600+	6	6.51388-	1	306	3	4	479																																																						
4.74200+	6	6.53361-	1	4.77800+	6	6.55204-	1	4.81400+	6	6.57033-	1	306	3	4	480																																																						
4.85000+	6	6.58964-	1	5.00000+	6	6.67513-	1	5.01500+	6	6.67768-	1	306	3	4	481																																																						
5.18000+	6	6.70819-	1	5.34500+	6	6.74037-	1	5.50000+	6	6.77139-	1	306	3	4	482																																																						
5.51000+	6	6.77139-	1	5.84000+	6	6.76906-	1	6.00000+	6	6.76666-	1	306	3	4	483																																																						
6.17100+	6	6.74701-	1	6.50000+	6	6.71064-	1	6.95000+	6	6.66035-	1	306	3	4	484																																																						
7.00000+	6	6.65495-	1	8.00000+	6	6.31695-	1	8.47000+	6	6.21448-	1	306	3	4	485																																																						
9.00000+	6	6.09925-	1	1.00000+	7	5.91183-	1	1.10000+	7	5.48656-	1	306	3	4	486																																																						
1.20000+	7	4.97130-	1	1.40000+	7	4.37623-	1	1.60000+	7	4.03339-	1	306	3	4	487																																																						
1.80000+	7	3.84096-	1	2.00000+	7	3.67975-	1					306	3	4	488																																																						
													306	3	0	489																																																					
3.00600+	3	5.96345+	0		0		99		0		0	306	3	16	490																																																						
0.0	+	0-5.66413+	6		0		0		1		11	306	3	16	491																																																						
	11		2		0		0		0		0	306	3	16	492																																																						
6.61394+	6	0.0	+	0	8.00000+	6	1.31924-	2	9.00000+	6	2.40865-	2	306	3	16	493																																																					
1.00000+	7	3.72608-	2	1.10000+	7	5.24620-	2	1.20000+	7	6.86765-	2	306	3	16	494																																																						
1.30000+	7	8.66645-	2	1.40000+	7	9.75586-	2	1.60000+	7	1.00000-	1	306	3	16	495																																																						
1.80000+	7	1.00000-	1	2.00000+	7	1.00000-	1					306	3	16	496																																																						
												306	3	0	497																																																						
3.00600+	3	5.96345+	0		0		1		0		0	306	3	51	498																																																						
-1.47348+	6	-2.18500+	6		0		32		1		17	306	3	51	499																																																						
	17		2		0		0		0		0	306	3	51	500																																																						
2.55140+	6	9.04810-	4	2.78417+	6	1.04779-	1	3.00000+	6	1.96830-	1	306	3	51	501																																																						
3.22331+	6	2.75370-	1	3.42600+	6	2.95638-	1	3.76380+	6	3.07461-	1	306	3	51	502																																																						
4.00000+	6	2.97327-	1	5.00000+	6	2.48345-	1	6.00000+	6	1.90919-	1	306	3	51	503																																																						
7.00000+	6	1.58828-	1	8.00000+	6	1.37715-	1	1.00000+	7	1.08157-	1	306	3	51	504																																																						
1.20000+	7	9.12670-	2	1.40000+	7	7.69104-	2	1.60000+	7	6.76209-	2	306	3	51	505																																																						
1.80000+	7	6.25538-	2	2.00000+	7	6.00203-	2					306	3	51	506																																																						
												306	3	0	507																																																						
3.00600+	3	5.96345+	0		0		2		0		0	306	3	52	508																																																						
0.0	+	0-3.56200+	6		0		0		1		37	306	3	52	509																																																						
	37		2		0		0		0		0	306	3	52	510																																																						
4.15931+	6	0.0	+	0	4.24700+	6	4.05200-	4	4.25300+	6	4.81600-	4	306	3	52	511																																																					
4.25900+	6	5.70350-	4	4.27200+	6	7.81640-	4	4.28400+	6	1.03250-	3	306	3	52	512																																																						
4.29700+	6	1.31660-	3	4.32200+	6	1.95770-	3	4.34700+	6	2.65300-	3	306	3	52	513																																																						
4.39750+	6	3.99680-	3	4.42300+	6	4.54100-	3	4.44770+	6	4.93040-	3	306	3	52	514																																																						
4.48000+	6	5.40470-	3	4.51200+	6	6.02500-	3	4.57700+	6	7.43340-	3	306	3	52	515																																																						
4.64200+	6	8.61470-	3	4.67400+	6	8.95110-	3	4.70600+	6	9.02800-	3	306	3	52	516																																																						
4.74200+	6	8.84100-	3	4.77800+	6	8.52450-	3	4.81400+	6	8.19370-	3	306	3	52	517																																																						
4.85000+	6	7.96400-	3	5.01500+	6	7.46770-	3	5.18000+	6	7.21950-	3	306	3	52	518																																																						
5.34500+	6	7.13740-	3	5.51000+	6	7.13940-	3	5.84000+	6	6.90570-	3	306	3	52	519																																																						
6.17100+	6	6.41080-	3	6.50000+	6	6.06410-	3	6.95000+	6	5.53466-	3	306	3	52	520																																																						
8.47000+	6	4.31857-	3	1.00000+	7	3.18355-	3	1.20000+	7	2.12960-	3	306	3	52	521																																																						
1.40000+	7	1.62290-	3	1.60000+	7	1.33915-	3	1.80000+	7	1.09593-	3	306	3	52	522																																																						
2.00000+	7	9.74320-	4									306	3	52	523																																																						
												306	3	0	524																																																						
3.00600+	3	5.96345+	0		0		98		0		0	306	3	91	525																																																						
-1.47348+	6	-1.47348+	6		0		32		1		25	306	3	91	526																																																						

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
25	2	0	0	0	0	0	306	3 91	527
1.72057+ 6 0.0 + 0	2.50000+ 6	5.00000- 2	2.55140+ 6	7.15880- 2	306	3 91	528		
2.55140+ 6 7.06831- 2	2.78417+ 6	6.45723- 2	3.00000+ 6	6.31700- 2	306	3 91	529		
3.22331+ 6 8.73526- 2	3.42600+ 6	1.60322- 1	3.50000+ 6	1.91772- 1	306	3 91	530		
3.76380+ 6 2.45851- 1	4.00000+ 6	3.12673- 1	4.50000+ 6	3.57164- 1	306	3 91	531		
5.00000+ 6 4.11655- 1	5.00000+ 6	4.50368- 1	6.00000+ 6	4.79081- 1	306	3 91	532		
7.00000+ 6 5.01172- 1	8.00000+ 6	4.89285- 1	9.00000+ 6	4.83064- 1	306	3 91	533		
1.00000+ 7 4.79843- 1	1.10000+ 7	4.46288- 1	1.20000+ 7	4.03733- 1	306	3 91	534		
1.40000+ 7 3.59090- 1	1.60000+ 7	3.34379- 1	1.80000+ 7	3.20446- 1	306	3 91	535		
2.00000+ 7 3.06980- 1					306	3 91	536		
					306	3 0	537		
3.00600+ 3 5.96345+ 0	0	99	0	0	306	3102	538		
0.0 + 0 7.25053+ 6	0	0	1	18	306	3102	539		
18	5	0	0	0	306	3102	540		
1.00000- 5 1.93531+ 0	1.00000- 4	6.12000- 1	1.00000- 3	1.93531- 1	306	3102	541		
1.00000- 2 6.12000- 2	2.53000- 2	3.85000- 2	1.00000- 1	1.93531- 2	306	3102	542		
1.00000+ 0 6.12000- 3	1.00000+ 1	1.93531- 2	1.00000+ 2	6.12000+ 4	306	3102	543		
1.00000+ 3 1.93531- 4	1.00000+ 4	6.12000- 5	1.00000+ 5	1.93531- 5	306	3102	544		
1.00000+ 6 1.67200- 5	2.28000+ 6	2.81531- 5	6.01000+ 6	6.58964- 5	306	3102	545		
1.05000+ 7 7.60887- 5	1.55000+ 7	8.43545- 5	2.00000+ 7	9.18685- 5	306	3102	546		
					306	3 0	547		
3.00600+ 3 5.96345+ 0	0	99	0	0	306	3103	548		
0.0 + 0 -2.72730+ 6	0	0	1	38	306	3103	549		
38	2	0	0	0	306	3103	550		
3.18464+ 6 0.0 + 0	3.59500+ 6	1.90490- 2	3.66700+ 6	2.09950- 2	306	3103	551		
3.73850+ 6 2.34010- 2	3.88200+ 6	2.86660- 2	4.02600+ 6	3.29900- 2	306	3103	552		
4.09700+ 6 3.42190- 2	4.16900+ 6	3.45160- 2	4.25400+ 6	3.46110- 2	306	3103	553		
4.33810+ 6 3.46520- 2	4.42300+ 6	3.34080- 2	4.46500+ 6	3.19190- 2	306	3103	554		
4.50700+ 6 2.96470- 2	4.55800+ 6	2.71630- 2	4.60800+ 6	2.60170- 2	306	3103	555		
4.65900+ 6 2.58910- 2	4.71000+ 6	2.64710- 2	4.81100+ 6	2.84840- 2	306	3103	556		
4.91230+ 6 2.95310- 2	5.10700+ 6	2.83370- 2	5.30100+ 6	2.63210- 2	306	3103	557		
5.49500+ 6 2.42190- 2	5.68900+ 6	2.27700- 2	5.97600+ 6	2.13880- 2	306	3103	558		
6.26400+ 6 1.99340- 2	6.55100+ 6	1.85500- 2	6.83800+ 6	1.73920- 2	306	3103	559		
7.34450+ 6 1.58400- 2	7.85100+ 6	1.46160- 2	8.35800+ 6	1.35600- 2	306	3103	560		
8.86500+ 6 1.25130- 2	1.09000+ 7	9.66598- 3	1.28000+ 7	7.63917- 3	306	3103	561		
1.41000+ 7 6.69332- 3	1.52000+ 7	6.28795- 3	1.70000+ 7	5.54479- 3	306	3103	562		
1.90000+ 7 5.07187- 3	2.00000+ 7	5.00431- 3			306	3103	563		
					306	3 0	564		
3.00600+ 3 5.96345+ 0	0	99	0	0	306	3107	565		
0.0 + 0 4.78385+ 6	0	0	2	221	306	3107	566		
24	5	221	2	0	306	3107	567		
1.00000- 5 4.72990+ 4	1.00000- 4	1.49570+ 4	1.00000- 3	4.72990+ 3	306	3107	568		
1.00000- 2 1.49570+ 3	2.53000- 2	9.40330+ 2	1.00000- 1	4.72970+ 2	306	3107	569		
1.00000+ 0 1.49550+ 2	1.00000+ 1	4.72810+ 1	1.00000+ 2	1.49410+ 1	306	3107	570		
1.00000+ 3 4.72090+ 0	2.00000+ 3	3.33970+ 0	3.00000+ 3	2.72910+ 0	306	3107	571		
4.00000+ 3 2.36600+ 0	5.00000+ 3	2.11880+ 0	6.00000+ 3	1.93670+ 0	306	3107	572		
7.00000+ 3 1.79560+ 0	8.00000+ 3	1.68210+ 0	9.00000+ 3	1.58830+ 0	306	3107	573		
1.00000+ 4 1.50930+ 0	2.00000+ 4	1.08670+ 0	3.00000+ 4	9.08200- 1	306	3107	574		
4.00000+ 4 8.07590- 1	5.00000+ 4	7.43930- 1	6.00000+ 4	7.02440- 1	306	3107	575		
7.00000+ 4 6.76300- 1	8.00000+ 4	6.61740- 1	9.00000+ 4	6.57150- 1	306	3107	576		
1.00000+ 5 6.61880- 1	1.10000+ 5	6.76920- 1	1.20000+ 5	7.04190- 1	306	3107	577		
1.30000+ 5 7.42690- 1	1.40000+ 5	7.95760- 1	1.50000+ 5	8.96840- 1	306	3107	578		
1.60000+ 5 1.01470+ 0	1.65000+ 5	1.08840+ 0	1.70000+ 5	1.17390+ 0	306	3107	579		

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
1.75000+	5 1.27300+	0 1.80000+	5 1.38750+	0 1.85000+	5 1.51920+	0	306	3107	580
1.90000+	5 1.66980+	0 1.95000+	5 1.84030+	0 2.00000+	5 2.03060+	0	306	3107	581
2.05000+	5 2.23860+	0 2.10000+	5 2.45950+	0 2.15000+	5 2.68470+	0	306	3107	582
2.16000+	5 2.72920+	0 2.17000+	5 2.77330+	0 2.18000+	5 2.81680+	0	306	3107	583
2.19000+	5 2.85960+	0 2.20000+	5 2.90160+	0 2.21000+	5 2.94260+	0	306	3107	584
2.22000+	5 2.98240+	0 2.23000+	5 3.02100+	0 2.24000+	5 3.05830+	0	306	3107	585
2.25000+	5 3.09390+	0 2.26000+	5 3.12790+	0 2.27000+	5 3.16000+	0	306	3107	586
2.28000+	5 3.19020+	0 2.29000+	5 3.21830+	0 2.30000+	5 3.24420+	0	306	3107	587
2.31000+	5 3.26780+	0 2.32000+	5 3.28900+	0 2.33000+	5 3.30770+	0	306	3107	588
2.34000+	5 3.32380+	0 2.35000+	5 3.33720+	0 2.36000+	5 3.34800+	0	306	3107	589
2.37000+	5 3.35610+	0 2.38000+	5 3.36140+	0 2.39000+	5 3.36400+	0	306	3107	590
2.40000+	5 3.36380+	0 2.41000+	5 3.36240+	0 2.42000+	5 3.35780+	0	306	3107	591
2.43000+	5 3.35010+	0 2.44000+	5 3.33930+	0 2.45000+	5 3.32550+	0	306	3107	592
2.46000+	5 3.30880+	0 2.47000+	5 3.28930+	0 2.48000+	5 3.26720+	0	306	3107	593
2.49000+	5 3.24250+	0 2.50000+	5 3.21550+	0 2.51000+	5 3.18630+	0	306	3107	594
2.52000+	5 3.15510+	0 2.53000+	5 3.12200+	0 2.54000+	5 3.08730+	0	306	3107	595
2.55000+	5 3.05100+	0 2.56000+	5 3.01330+	0 2.57000+	5 2.97440+	0	306	3107	596
2.58000+	5 2.93460+	0 2.59000+	5 2.89380+	0 2.60000+	5 2.85230+	0	306	3107	597
2.61000+	5 2.81020+	0 2.62000+	5 2.76770+	0 2.63000+	5 2.72480+	0	306	3107	598
2.64000+	5 2.68170+	0 2.65000+	5 2.63860+	0 2.66000+	5 2.59540+	0	306	3107	599
2.67000+	5 2.55240+	0 2.68000+	5 2.50950+	0 2.69000+	5 2.46690+	0	306	3107	600
2.70000+	5 2.42470+	0 2.71000+	5 2.38280+	0 2.72000+	5 2.34140+	0	306	3107	601
2.73000+	5 2.30050+	0 2.74000+	5 2.26020+	0 2.75000+	5 2.22040+	0	306	3107	602
2.76000+	5 2.18130+	0 2.77000+	5 2.14280+	0 2.78000+	5 2.10500+	0	306	3107	603
2.79000+	5 2.06790+	0 2.80000+	5 2.03150+	0 2.85000+	5 1.86020+	0	306	3107	604
2.90000+	5 1.70710+	0 2.95000+	5 1.57130+	0 3.00000+	5 1.45130+	0	306	3107	605
3.10000+	5 1.25240+	0 3.20000+	5 1.09750+	0 3.30000+	5 9.75780-	1	306	3107	606
3.40000+	5 8.78990-	1 3.50000+	5 8.00060-	1 3.60000+	5 7.35740-	1	306	3107	607
3.70000+	5 6.82670-	1 3.80000+	5 6.38390-	1 3.90000+	5 6.01050-	1	306	3107	608
4.00000+	5 5.69260-	1 4.10000+	5 5.41950-	1 4.20000+	5 5.18290-	1	306	3107	609
4.30000+	5 4.97650-	1 4.40000+	5 4.79510-	1 4.50000+	5 4.63460-	1	306	3107	610
4.60000+	5 4.49190-	1 4.70000+	5 4.36420-	1 4.80000+	5 4.24950-	1	306	3107	611
4.90000+	5 4.14590-	1 5.00000+	5 4.05190-	1 5.10000+	5 3.96630-	1	306	3107	612
5.20000+	5 3.88820-	1 5.30000+	5 3.81650-	1 5.40000+	5 3.75050-	1	306	3107	613
5.50000+	5 3.68900-	1 5.60000+	5 3.63210-	1 5.70000+	5 3.57940-	1	306	3107	614
5.80000+	5 3.53030-	1 5.90000+	5 3.48460-	1 6.00000+	5 3.44190-	1	306	3107	615
6.10000+	5 3.40190-	1 6.20000+	5 3.36440-	1 6.30000+	5 3.32920-	1	306	3107	616
6.40000+	5 3.29600-	1 6.50000+	5 3.26470-	1 6.60000+	5 3.23520-	1	306	3107	617
6.70000+	5 3.20720-	1 6.80000+	5 3.18070-	1 6.90000+	5 3.15560-	1	306	3107	618
7.00000+	5 3.13170-	1 7.10000+	5 3.10900-	1 7.20000+	5 3.08730-	1	306	3107	619
7.30000+	5 3.06670-	1 7.40000+	5 3.04690-	1 7.50000+	5 3.02800-	1	306	3107	620
7.60000+	5 3.00980-	1 7.70000+	5 2.99240-	1 7.80000+	5 2.97560-	1	306	3107	621
7.90000+	5 2.95950-	1 8.00000+	5 2.94410-	1 8.10000+	5 2.92920-	1	306	3107	622
8.20000+	5 2.91480-	1 8.30000+	5 2.90090-	1 8.40000+	5 2.88750-	1	306	3107	623
8.50000+	5 2.87460-	1 8.60000+	5 2.86200-	1 8.70000+	5 2.84990-	1	306	3107	624
8.80000+	5 2.83810-	1 8.90000+	5 2.82660-	1 9.00000+	5 2.81550-	1	306	3107	625
9.10000+	5 2.80460-	1 9.20000+	5 2.79410-	1 9.30000+	5 2.78380-	1	306	3107	626
9.40000+	5 2.77370-	1 9.50000+	5 2.76390-	1 9.60000+	5 2.75430-	1	306	3107	627
9.70000+	5 2.74490-	1 9.80000+	5 2.73570-	1 9.90000+	5 2.72660-	1	306	3107	628
1.00000+	6 2.71780-	1 1.05000+	6 2.67550-	1 1.10000+	6 2.63600-	1	306	3107	629
1.15000+	6 2.59850-	1 1.20000+	6 2.56210-	1 1.25000+	6 2.52640-	1	306	3107	630
1.30000+	6 2.49080-	1 1.35000+	6 2.45510-	1 1.40000+	6 2.41890-	1	306	3107	631
1.45000+	6 2.38230-	1 1.50000+	6 2.34490-	1 1.55000+	6 2.30670-	1	306	3107	632

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
1.60000+	6 2.26780-	1 1.65000+	6 2.22810-	1 1.70000+	6 2.18760-	1	306	3107	633	
1.75000+	6 2.14640-	1 1.80000+	6 2.10450-	1 2.23290+	6 2.06210-	1	306	3107	634	
2.60200+	6 1.76370-	1 2.97100+	6 1.47290-	1 3.34000+	6 1.24270-	1	306	3107	635	
3.52460+	6 1.16690-	1 3.70910+	6 1.12620-	1 4.26270+	6 1.02940-	1	306	3107	636	
4.81630+	6 8.92370-	2 5.37000+	6 7.56130-	2 5.64670+	6 7.01150-	2	306	3107	637	
5.92340+	6 6.61780-	2 6.72570+	6 5.74300-	2 7.52800+	6 4.92080-	2	306	3107	638	
8.33030+	6 4.25690-	2 9.13260+	6 3.85720-	2 1.13710+	7 3.32600-	2	306	3107	639	
1.36090+	7 2.89640-	2 1.58480+	7 2.36980-	2 1.69670+	7 2.00800-	2	306	3107	640	
1.82000+	7 1.86093-	2 2.00000+	7 1.77648-	2			306	3107	641	
							306	3	0	642
3.00600+	3 5.96345+	0	0	0	0	0	306	3251	643	
0.0	+ 0 0.0	+ 0	0	0	1	191	306	3251	644	
	191	2	0	0	0	0	306	3251	645	
1.00000-	5 1.11516-	1 1.00000-	4 1.11516-	1 1.00000-	3 1.11516-	1	306	3251	646	
1.00000-	2 1.11516-	1 2.53000-	2 1.11516-	1 1.00000-	1 1.11516-	1	306	3251	647	
1.00000+	0 1.11515-	1 1.00000+	1 1.11509-	1 1.00000+	2 1.11448-	1	306	3251	648	
1.00000+	3 1.10835-	1 2.00000+	3 1.10153-	1 3.00000+	3 1.09469-	1	306	3251	649	
4.00000+	3 1.08778-	1 5.00000+	3 1.08090-	1 6.00000+	3 1.07393-	1	306	3251	650	
7.00000+	3 1.06700-	1 8.00000+	3 1.05983-	1 9.00000+	3 1.05284-	1	306	3251	651	
1.00000+	4 1.04554-	1 2.00000+	4 9.72727-	2 3.00000+	4 8.89747-	2	306	3251	652	
4.00000+	4 8.03008-	2 5.00000+	4 7.13254-	2 6.00000+	4 6.18616-	2	306	3251	653	
7.00000+	4 5.19127-	2 8.00000+	4 4.17139-	2 9.00000+	4 3.14886-	2	306	3251	654	
1.00000+	5 2.15949-	2 1.10000+	5 1.23761-	2 1.20000+	5 4.39332-	3	306	3251	655	
1.30000+	5-1.29148-	3 1.40000+	5-4.20561-	3 1.50000+	5-3.69706-	3	306	3251	656	
1.60000+	5 1.47347-	3 1.65000+	5 5.66600-	3 1.70000+	5 1.08818-	2	306	3251	657	
1.75000+	5 1.70369-	2 1.80000+	5 2.40304-	2 1.85000+	5 3.17433-	2	306	3251	658	
1.90000+	5 4.00395-	2 1.95000+	5 4.87788-	2 2.00000+	5 5.78206-	2	306	3251	659	
2.05000+	5 6.70290-	2 2.10000+	5 7.62778-	2 2.15000+	5 8.54554-	2	306	3251	660	
2.16000+	5 8.72736-	2 2.17000+	5 8.90840-	2 2.18000+	5 9.08875-	2	306	3251	661	
2.19000+	5 9.26813-	2 2.20000+	5 9.44660-	2 2.21000+	5 9.62404-	2	306	3251	662	
2.22000+	5 9.80049-	2 2.23000+	5 9.97576-	2 2.24000+	5 1.01499-	1	306	3251	663	
2.25000+	5 1.03228-	1 2.26000+	5 1.04945-	1 2.27000+	5 1.06650-	1	306	3251	664	
2.28000+	5 1.08339-	1 2.29000+	5 1.10016-	1 2.30000+	5 1.11679-	1	306	3251	665	
2.31000+	5 1.13327-	1 2.32000+	5 1.14961-	1 2.33000+	5 1.16579-	1	306	3251	666	
2.34000+	5 1.18183-	1 2.35000+	5 1.19771-	1 2.36000+	5 1.21342-	1	306	3251	667	
2.37000+	5 1.22899-	1 2.38000+	5 1.24438-	1 2.39000+	5 1.25960-	1	306	3251	668	
2.40000+	5 1.27468-	1 2.41000+	5 1.29095-	1 2.42000+	5 1.30707-	1	306	3251	669	
2.43000+	5 1.32301-	1 2.44000+	5 1.33877-	1 2.45000+	5 1.35435-	1	306	3251	670	
2.46000+	5 1.36976-	1 2.47000+	5 1.38498-	1 2.48000+	5 1.40001-	1	306	3251	671	
2.49000+	5 1.41487-	1 2.50000+	5 1.42952-	1 2.51000+	5 1.44402-	1	306	3251	672	
2.52000+	5 1.45831-	1 2.53000+	5 1.47241-	1 2.54000+	5 1.48634-	1	306	3251	673	
2.55000+	5 1.50006-	1 2.56000+	5 1.51360-	1 2.57000+	5 1.52697-	1	306	3251	674	
2.58000+	5 1.54013-	1 2.59000+	5 1.55311-	1 2.60000+	5 1.56591-	1	306	3251	675	
2.61000+	5 1.57852-	1 2.62000+	5 1.59094-	1 2.63000+	5 1.60317-	1	306	3251	676	
2.64000+	5 1.61523-	1 2.65000+	5 1.62710-	1 2.66000+	5 1.63880-	1	306	3251	677	
2.67000+	5 1.65030-	1 2.68000+	5 1.66162-	1 2.69000+	5 1.67277-	1	306	3251	678	
2.70000+	5 1.68375-	1 2.71000+	5 1.69454-	1 2.72000+	5 1.70517-	1	306	3251	679	
2.73000+	5 1.71561-	1 2.74000+	5 1.72589-	1 2.75000+	5 1.73599-	1	306	3251	680	
2.76000+	5 1.74594-	1 2.77000+	5 1.75570-	1 2.78000+	5 1.76530-	1	306	3251	681	
2.79000+	5 1.77474-	1 2.80000+	5 1.78402-	1 2.85000+	5 1.82804-	1	306	3251	682	
2.90000+	5 1.86828-	1 2.95000+	5 1.90495-	1 3.00000+	5 1.93831-	1	306	3251	683	
3.10000+	5 1.99590-	1 3.20000+	5 2.04284-	1 3.30000+	5 2.08063-	1	306	3251	684	
3.40000+	5 2.11072-	1 3.50000+	5 2.13488-	1 3.60000+	5 2.15338-	1	306	3251	685	

.....10.....20.....30.....40.....50.....60.....										MAT	MF	MT	SEQ					
3.70000+	5	2.16707-	1	3.80000+	5	2.17675-	1	3.90000+	5	2.18311-	1	306	3251	686				
4.00000+	5	2.18643-	1	4.10000+	5	2.18730-	1	4.20000+	5	2.18614-	1	306	3251	687				
4.30000+	5	2.18312-	1	4.40000+	5	2.17866-	1	4.50000+	5	2.17286-	1	306	3251	688				
4.60000+	5	2.16590-	1	4.70000+	5	2.15801-	1	4.80000+	5	2.14937-	1	306	3251	689				
4.90000+	5	2.13999-	1	5.00000+	5	2.12997-	1	5.47000+	5	2.60332-	1	306	3251	690				
5.97000+	5	2.73624-	1	6.47000+	5	2.73316-	1	6.97000+	5	2.64830-	1	306	3251	691				
7.47000+	5	2.87908-	1	7.96000+	5	2.98173-	1	8.46000+	5	2.81410-	1	306	3251	692				
8.96000+	5	3.13571-	1	9.46000+	5	3.38246-	1	1.00000+	6	2.45639-	1	306	3251	693				
1.10000+	6	2.77667-	1	1.20000+	6	2.59264-	1	1.33000+	6	2.13899-	1	306	3251	694				
1.40000+	6	2.14478-	1	1.50000+	6	2.03553-	1	1.60000+	6	2.03530-	1	306	3251	695				
1.70000+	6	2.06820-	1	1.80000+	6	1.98834-	1	1.90000+	6	1.87663-	1	306	3251	696				
2.00000+	6	1.89192-	1	2.09000+	6	1.99722-	1	2.19000+	6	1.85812-	1	306	3251	697				
2.20000+	6	2.00909-	1	2.30000+	6	2.00274-	1	2.50000+	6	1.73436-	1	306	3251	698				
2.60000+	6	1.69353-	1	2.70000+	6	1.92974-	1	2.80000+	6	1.81200-	1	306	3251	699				
2.90000+	6	1.97760-	1	3.00000+	6	2.06151-	1	4.08000+	6	4.07736-	1	306	3251	700				
4.26000+	6	4.48294-	1	4.57000+	6	4.90753-	1	4.83000+	6	5.05136-	1	306	3251	701				
5.05000+	6	5.24892-	1	5.29000+	6	5.31484-	1	5.54000+	6	5.45871-	1	306	3251	702				
5.74000+	6	5.63665-	1	6.05000+	6	5.76133-	1	6.37000+	6	6.05640-	1	306	3251	703				
6.66000+	6	6.08982-	1	6.94000+	6	6.34868-	1	7.32000+	6	6.53158-	1	306	3251	704				
7.47000+	6	6.45419-	1	8.96000+	6	6.89609-	1	9.96000+	6	7.17776-	1	306	3251	705				
1.09500+	7	7.39642-	1	1.20400+	7	7.61885-	1	1.29400+	7	7.73911-	1	306	3251	706				
1.39400+	7	7.84325-	1	1.40000+	7	7.90646-	1	1.50000+	7	8.02899-	1	306	3251	707				
1.60000+	7	8.13885-	1	1.70000+	7	8.23753-	1	1.80000+	7	8.32786-	1	306	3251	708				
1.90000+	7	8.41021-	1	2.00000+	7	8.48547-	1					306	3251	709				
												306	3	0	710			
												306	0	0	711			
3.00600+	3	5.96345+	0		1		1	0		0	306	4	2	712				
0.0	+	0	5.96345+	0	0		2	100		9	306	4	2	713				
1.00000+	0	1.11792-	1	5.64655-	3	8.39664-	8	0.0	+	0	0.0	+	0	306	4	2	714	
0.0	+	0	0.0	+	0	0.0	+	0	0.0	+	0	9.83128-	1	306	4	2	715	
1.99601-	1	1.92792-	2	9.04911-	4	2.03230-	5	5.40321-	8	0.0	+	0	306	4	2	716		
0.0	+	0	0.0	+	0	0.0	+	0	-1.09098-	1	9.56151-	1	2.81178-	1	306	4	2	717
3.97746-	2	3.26396-	3	1.58074-	4	2.15217-	6	0.0	+	0	0.0	+	0	306	4	2	718	
0.0	+	0	1.64323-	2	-1.92489-	1	9.15321-	1	3.56754-	1	6.65328-	2	306	4	2	719		
7.60378-	3	5.65296-	4	2.42782-	5	-3.91053-	6	0.0	+	0	-2.62212-	3	306	4	2	720		
3.69000-	2	-2.67232-	1	8.62111-	1	4.25370-	1	9.88523-	2	1.43937-	2	306	4	2	721			
1.42745-	3	9.70165-	5	0.0	+	0	4.27303-	4	-6.87658-	3	6.25614-	2	306	4	2	722		
-3.34034-	1	7.97704-	1	4.85835-	1	1.35886-	1	2.40194-	2	2.96114-	3	306	4	2	723			
0.0	+	0	-7.03334-	5	1.25814-	3	-1.33869-	2	9.28313-	2	-3.92164-	1	306	4	2	724		
7.23465-	1	5.37018-	1	1.76653-	1	3.67662-	2	0.0	+	0	1.16411-	5	306	4	2	725		
-2.27228-	4	2.72397-	3	-2.24938-	2	1.26826-	1	-4.40725-	1	6.40948-	1	306	4	2	726			
5.77939-	1	2.20066-	1	0.0	+	0	-1.93327-	6	4.06444-	5	-5.36462-	4	306	4	2	727		
5.04834-	3	-3.44167-	2	1.63519-	1	-4.78925-	1	5.51869-	1	0.0	+	0	306	4	2	728		
0.0	+	0	3.21779-	7	-7.17913-	6	1.03278-	4	-1.07821-	3	8.45946-	3	306	4	2	729		
-4.92591-	2	2.01790-	1	-5.06162-	1	4.58066-	1					306	4	2	730			
0.0	+	0	0.0	+	0	0	0	1		191	306	4	2	731				
	191		2	0	0	0	0	0		0	306	4	2	732				
0.0	+	0	1.00000-	5	0	0	0	4		0	306	4	2	733				
-7.03080-	12	4.92680-	23	4.74280-	25	-8.86539-	36				306	4	2	734				
0.0	+	0	1.00000-	4	0	0	0	4		0	306	4	2	735				
-6.93199-	11	4.93960-	21	1.49980-	25	-2.80350-	35				306	4	2	736				
0.0	+	0	1.00000-	3	0	0	0	4		0	306	4	2	737				
-6.92580-	10	4.94120-	19	4.74120-	26	-8.86539-	35				306	4	2	738				

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
0.0	+ 0	1.00000- 2	0	0	0	4	0	306 4 2	739
-6.92540-	9	4.94130-17	-7.15229-28	-2.79670-34				306 4 2	740
0.0	+ 0	2.53000- 2	0	0	0	4	0	306 4 2	741
-1.75210-	8	3.16290-16	-2.45040-25	-4.18150-34				306 4 2	742
0.0	+ 0	1.00000- 1	0	0	0	4	0	306 4 2	743
-6.92520-	8	4.94140-15	-1.57090-23	5.89220-33				306 4 2	744
0.0	+ 0	1.00000+ 0	0	0	0	4	0	306 4 2	745
-6.92460-	7	4.94150-13	-1.57140-20	6.77849-29				306 4 2	746
0.0	+ 0	1.00000+ 1	0	0	0	4	0	306 4 2	747
-6.92300-	6	4.94210-11	-1.57150-17	6.77910-25				306 4 2	748
0.0	+ 0	1.00000+ 2	0	0	0	4	0	306 4 2	749
-6.91940-	5	4.94660- 9	-1.57230-14	6.78020-21				306 4 2	750
0.0	+ 0	1.00000+ 3	0	0	0	4	0	306 4 2	751
-6.92220-	4	4.98710- 7	-1.57870-11	6.78410-17				306 4 2	752
0.0	+ 0	2.00000+ 3	0	0	0	4	0	306 4 2	753
-1.38610-	3	2.01020- 6	-1.26770-10	1.08590-15				306 4 2	754
0.0	+ 0	3.00000+ 3	0	0	0	4	0	306 4 2	755
-2.08130-	3	4.55300- 6	-4.29220-10	5.49890-15				306 4 2	756
0.0	+ 0	4.00000+ 3	0	0	0	4	0	306 4 2	757
-2.78300-	3	8.17410- 6	-1.02220- 9	1.73840-14				306 4 2	758
0.0	+ 0	5.00000+ 3	0	0	0	4	0	306 4 2	759
-3.48200-	3	1.28460- 5	-2.00190- 9	4.24510-14				306 4 2	760
0.0	+ 0	6.00000+ 3	0	0	0	4	0	306 4 2	761
-4.19110-	3	1.86810- 5	-3.47540- 9	8.80380-14				306 4 2	762
0.0	+ 0	7.00000+ 3	0	0	0	4	0	306 4 2	763
-4.89480-	3	2.55730- 5	-5.53180- 9	1.35860-13				306 4 2	764
0.0	+ 0	8.00000+ 3	0	0	0	4	0	306 4 2	765
-5.62300-	3	3.38690- 5	-8.26320- 9	-5.13170-13				306 4 2	766
0.0	+ 0	9.00000+ 3	0	0	0	4	0	306 4 2	767
-6.33310-	3	4.31130- 5	-1.17980- 8	-8.25290-13				306 4 2	768
0.0	+ 0	1.00000+ 4	0	0	0	4	0	306 4 2	769
-7.07380-	3	5.39740- 5	-1.62890- 8	-1.27000-12				306 4 2	770
0.0	+ 0	2.00000+ 4	0	0	0	4	0	306 4 2	771
-1.44590-	2	2.33100- 4	-1.35040- 7	-2.14070-11				306 4 2	772
0.0	+ 0	3.00000+ 4	0	0	0	4	0	306 4 2	773
-2.28570-	2	6.03130- 4	-4.85880- 7	-1.18820-10				306 4 2	774
0.0	+ 0	4.00000+ 4	0	0	0	4	0	306 4 2	775
-3.16120-	2	1.19710- 3	-1.20950- 6	-4.02750-10				306 4 2	776
0.0	+ 0	5.00000+ 4	0	0	0	4	0	306 4 2	777
-4.06440-	2	2.06020- 3	-2.46170- 6	-1.04320- 9				306 4 2	778
0.0	+ 0	6.00000+ 4	0	0	0	4	0	306 4 2	779
-5.01330-	2	3.28000- 3	-4.43190- 6	-2.29440- 9				306 4 2	780
0.0	+ 0	7.00000+ 4	0	0	0	4	0	306 4 2	781
-6.00640-	2	4.96020- 3	-7.33030- 6	-4.50840- 9				306 4 2	782
0.0	+ 0	8.00000+ 4	0	0	0	4	0	306 4 2	783
-7.01880-	2	7.19580- 3	-1.13580- 5	-8.12540- 9				306 4 2	784
0.0	+ 0	9.00000+ 4	0	0	0	4	0	306 4 2	785
-8.02640-	2	1.01050- 2	-1.67090- 5	-1.36790- 8				306 4 2	786
0.0	+ 0	1.00000+ 5	0	0	0	4	0	306 4 2	787
-8.99160-	2	1.37980- 2	-2.35220- 5	-2.17530- 8				306 4 2	788
0.0	+ 0	1.10000+ 5	0	0	0	4	0	306 4 2	789
-9.87770-	2	1.84380- 2	-3.18850- 5	-3.29680- 8				306 4 2	790
0.0	+ 0	1.20000+ 5	0	0	0	4	0	306 4 2	791

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ	
-1.06260- 1	2.41740-	2-4.17320-	5-4.78340-	8			306	4	2	792
0.0 + 0	1.30000+	5	0	0	4	0	306	4	2	793
-1.11310- 1	3.07690-	2-5.25970-	5-6.62700-	8			306	4	2	794
0.0 + 0	1.40000+	5	0	0	4	0	306	4	2	795
-1.13450- 1	3.81960-	2-6.39760-	5-8.79930-	8			306	4	2	796
0.0 + 0	1.50000+	5	0	0	4	0	306	4	2	797
-1.11830- 1	4.81330-	2-7.51840-	5-1.12720-	7			306	4	2	798
0.0 + 0	1.60000+	5	0	0	4	0	306	4	2	799
-1.05540- 1	5.74140-	2-8.43700-	5-1.36660-	7			306	4	2	800
0.0 + 0	1.65000+	5	0	0	4	0	306	4	2	801
-1.00760- 1	6.20560-	2-8.79350-	5-1.47750-	7			306	4	2	802
0.0 + 0	1.70000+	5	0	0	4	0	306	4	2	803
-9.49470- 2	6.66180-	2-9.06300-	5-1.57740-	7			306	4	2	804
0.0 + 0	1.75000+	5	0	0	4	0	306	4	2	805
-8.81940- 2	7.10410-	2-9.23390-	5-1.66270-	7			306	4	2	806
0.0 + 0	1.80000+	5	0	0	4	0	306	4	2	807
-8.06100- 2	7.52670-	2-9.29700-	5-1.72960-	7			306	4	2	808
0.0 + 0	1.85000+	5	0	0	4	0	306	4	2	809
-7.23210- 2	7.92510-	2-9.24590-	5-1.77460-	7			306	4	2	810
0.0 + 0	1.90000+	5	0	0	4	0	306	4	2	811
-6.34700- 2	8.29510-	2-9.07680-	5-1.79480-	7			306	4	2	812
0.0 + 0	1.95000+	5	0	0	4	0	306	4	2	813
-5.42030- 2	8.63380-	2-8.78880-	5-1.78760-	7			306	4	2	814
0.0 + 0	2.00000+	5	0	0	4	0	306	4	2	815
-4.46650- 2	8.93920-	2-8.38390-	5-1.75070-	7			306	4	2	816
0.0 + 0	2.05000+	5	0	0	4	0	306	4	2	817
-3.49960- 2	9.21020-	2-7.86610-	5-1.68280-	7			306	4	2	818
0.0 + 0	2.10000+	5	0	0	4	0	306	4	2	819
-2.53240- 2	9.44680-	2-7.24120-	5-1.58260-	7			306	4	2	820
0.0 + 0	2.15000+	5	0	0	4	0	306	4	2	821
-1.57620- 2	9.64950-	2-6.51660-	5-1.44970-	7			306	4	2	822
0.0 + 0	2.16000+	5	0	0	4	0	306	4	2	823
-1.38710- 2	9.68620-	2-6.36040-	5-1.41910-	7			306	4	2	824
0.0 + 0	2.17000+	5	0	0	4	0	306	4	2	825
-1.19900- 2	9.72150-	2-6.20060-	5-1.38720-	7			306	4	2	826
0.0 + 0	2.18000+	5	0	0	4	0	306	4	2	827
-1.01180- 2	9.75550-	2-6.03730-	5-1.35410-	7			306	4	2	828
0.0 + 0	2.19000+	5	0	0	4	0	306	4	2	829
-8.25660- 3	9.78830-	2-5.87050-	5-1.31950-	7			306	4	2	830
0.0 + 0	2.20000+	5	0	0	4	0	306	4	2	831
-6.40600- 3	9.81990-	2-5.70040-	5-1.28370-	7			306	4	2	832
0.0 + 0	2.21000+	5	0	0	4	0	306	4	2	833
-4.56700- 3	9.85020-	2-5.52690-	5-1.24660-	7			306	4	2	834
0.0 + 0	2.22000+	5	0	0	4	0	306	4	2	835
-2.74000- 3	9.87930-	2-5.35020-	5-1.20810-	7			306	4	2	836
0.0 + 0	2.23000+	5	0	0	4	0	306	4	2	837
-9.25610- 4	9.90720-	2-5.17030-	5-1.16830-	7			306	4	2	838
0.0 + 0	2.24000+	5	0	0	4	0	306	4	2	839
8.75720- 4	9.93400-	2-4.98730-	5-1.12720-	7			306	4	2	840
0.0 + 0	2.25000+	5	0	0	4	0	306	4	2	841
2.66350- 3	9.95960-	2-4.80120-	5-1.08480-	7			306	4	2	842
0.0 + 0	2.26000+	5	0	0	4	0	306	4	2	843
4.43730- 3	9.98400-	2-4.61220-	5-1.04110-	7			306	4	2	844

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
0.0	+ 0	2.27000+	5	0	0	4	0	306 4 2	845
6.19660-	3	1.00070-	1-4.42030-	5-9.96100-	8			306 4 2	846
0.0	+ 0	2.28000+	5	0	0	4	0	306 4 2	847
7.94110-	3	1.00300-	1-4.22550-	5-9.49800-	8			306 4 2	848
0.0	+ 0	2.29000+	5	0	0	4	0	306 4 2	849
9.67050-	3	1.00510-	1-4.02810-	5-9.02200-	8			306 4 2	850
0.0	+ 0	2.30000+	5	0	0	4	0	306 4 2	851
1.13840-	2	1.00710-	1-3.82790-	5-8.53320-	8			306 4 2	852
0.0	+ 0	2.31000+	5	0	0	4	0	306 4 2	853
1.30820-	2	1.00900-	1-3.62500-	5-8.03150-	8			306 4 2	854
0.0	+ 0	2.32000+	5	0	0	4	0	306 4 2	855
1.47640-	2	1.01080-	1-3.41970-	5-7.51710-	8			306 4 2	856
0.0	+ 0	2.33000+	5	0	0	4	0	306 4 2	857
1.64290-	2	1.01250-	1-3.21180-	5-6.98990-	8			306 4 2	858
0.0	+ 0	2.34000+	5	0	0	4	0	306 4 2	859
1.80780-	2	1.01410-	1-3.00150-	5-6.45000-	8			306 4 2	860
0.0	+ 0	2.35000+	5	0	0	4	0	306 4 2	861
1.97100-	2	1.01560-	1-2.78890-	5-5.89750-	8			306 4 2	862
0.0	+ 0	2.36000+	5	0	0	4	0	306 4 2	863
2.13240-	2	1.01700-	1-2.57390-	5-5.33240-	8			306 4 2	864
0.0	+ 0	2.37000+	5	0	0	4	0	306 4 2	865
2.29220-	2	1.01830-	1-2.35670-	5-4.75470-	8			306 4 2	866
0.0	+ 0	2.38000+	5	0	0	4	0	306 4 2	867
2.45010-	2	1.01950-	1-2.13740-	5-4.16460-	8			306 4 2	868
0.0	+ 0	2.39000+	5	0	0	4	0	306 4 2	869
2.60630-	2	1.02070-	1-1.91590-	5-3.56210-	8			306 4 2	870
0.0	+ 0	2.40000+	5	0	0	4	0	306 4 2	871
2.76080-	2	1.02170-	1-1.69240-	5-2.94720-	8			306 4 2	872
0.0	+ 0	2.41000+	5	0	0	4	0	306 4 2	873
2.92760-	2	1.02280-	1-1.44370-	5-2.25650-	8			306 4 2	874
0.0	+ 0	2.42000+	5	0	0	4	0	306 4 2	875
3.09260-	2	1.02380-	1-1.19270-	5-1.55160-	8			306 4 2	876
0.0	+ 0	2.43000+	5	0	0	4	0	306 4 2	877
3.25570-	2	1.02460-	1-9.39410-	6-8.32560-	9			306 4 2	878
0.0	+ 0	2.44000+	5	0	0	4	0	306 4 2	879
3.41690-	2	1.02540-	1-6.83910-	6-9.94610-	10			306 4 2	880
0.0	+ 0	2.45000+	5	0	0	4	0	306 4 2	881
3.57620-	2	1.02610-	1-4.26270-	6 6.47630-	9			306 4 2	882
0.0	+ 0	2.46000+	5	0	0	4	0	306 4 2	883
3.73360-	2	1.02670-	1-1.66560-	6 1.40860-	8			306 4 2	884
0.0	+ 0	2.47000+	5	0	0	4	0	306 4 2	885
3.88900-	2	1.02720-	1 9.51320-	7 2.18340-	8			306 4 2	886
0.0	+ 0	2.48000+	5	0	0	4	0	306 4 2	887
4.04240-	2	1.02770-	1 3.58750-	6 2.97200-	8			306 4 2	888
0.0	+ 0	2.49000+	5	0	0	4	0	306 4 2	889
4.19390-	2	1.02800-	1 6.24240-	6 3.77420-	8			306 4 2	890
0.0	+ 0	2.50000+	5	0	0	4	0	306 4 2	891
4.34330-	2	1.02830-	1 8.91510-	6 4.59000-	8			306 4 2	892
0.0	+ 0	2.51000+	5	0	0	4	0	306 4 2	893
4.49090-	2	1.02840-	1 1.16050-	5 5.41930-	8			306 4 2	894
0.0	+ 0	2.52000+	5	0	0	4	0	306 4 2	895
4.63640-	2	1.02850-	1 1.43120-	5 6.26200-	8			306 4 2	896
0.0	+ 0	2.53000+	5	0	0	4	0	306 4 2	897

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
4.77990-	2 1.02860-	1 1.70350-	5 7.11810-	8					898
0.0	+ 0 2.54000+	5	0	0	4	0	306	4	2 899
4.92150-	2 1.02850-	1 1.97730-	5 7.98740-	8					900
0.0	+ 0 2.55000+	5	0	0	4	0	306	4	2 901
5.06100-	2 1.02840-	1 2.25260-	5 8.86990-	8					902
0.0	+ 0 2.56000+	5	0	0	4	0	306	4	2 903
5.19860-	2 1.02830-	1 2.52940-	5 9.76550-	8					904
0.0	+ 0 2.57000+	5	0	0	4	0	306	4	2 905
5.33420-	2 1.02800-	1 2.80750-	5 1.06740-	7					906
0.0	+ 0 2.58000+	5	0	0	4	0	306	4	2 907
5.46780-	2 1.02770-	1 3.08690-	5 1.15960-	7					908
0.0	+ 0 2.59000+	5	0	0	4	0	306	4	2 909
5.59940-	2 1.02730-	1 3.36770-	5 1.25300-	7					910
0.0	+ 0 2.60000+	5	0	0	4	0	306	4	2 911
5.72910-	2 1.02690-	1 3.64960-	5 1.34770-	7					912
0.0	+ 0 2.61000+	5	0	0	4	0	306	4	2 913
5.85680-	2 1.02640-	1 3.93270-	5 1.44370-	7					914
0.0	+ 0 2.62000+	5	0	0	4	0	306	4	2 915
5.98260-	2 1.02590-	1 4.21700-	5 1.54100-	7					916
0.0	+ 0 2.63000+	5	0	0	4	0	306	4	2 917
6.10640-	2 1.02530-	1 4.50230-	5 1.63950-	7					918
0.0	+ 0 2.64000+	5	0	0	4	0	306	4	2 919
6.22830-	2 1.02460-	1 4.78860-	5 1.73930-	7					920
0.0	+ 0 2.65000+	5	0	0	4	0	306	4	2 921
6.34820-	2 1.02390-	1 5.07590-	5 1.84030-	7					922
0.0	+ 0 2.66000+	5	0	0	4	0	306	4	2 923
6.46630-	2 1.02310-	1 5.36420-	5 1.94260-	7					924
0.0	+ 0 2.67000+	5	0	0	4	0	306	4	2 925
6.58240-	2 1.02230-	1 5.65340-	5 2.04610-	7					926
0.0	+ 0 2.68000+	5	0	0	4	0	306	4	2 927
6.69670-	2 1.02150-	1 5.94340-	5 2.15090-	7					928
0.0	+ 0 2.69000+	5	0	0	4	0	306	4	2 929
6.80910-	2 1.02060-	1 6.23430-	5 2.25680-	7					930
0.0	+ 0 2.70000+	5	0	0	4	0	306	4	2 931
6.91970-	2 1.01960-	1 6.52590-	5 2.36400-	7					932
0.0	+ 0 2.71000+	5	0	0	4	0	306	4	2 933
7.02840-	2 1.01860-	1 6.81830-	5 2.47240-	7					934
0.0	+ 0 2.72000+	5	0	0	4	0	306	4	2 935
7.13530-	2 1.01760-	1 7.11140-	5 2.58190-	7					936
0.0	+ 0 2.73000+	5	0	0	4	0	306	4	2 937
7.24040-	2 1.01660-	1 7.40520-	5 2.69270-	7					938
0.0	+ 0 2.74000+	5	0	0	4	0	306	4	2 939
7.34370-	2 1.01540-	1 7.69960-	5 2.80470-	7					940
0.0	+ 0 2.75000+	5	0	0	4	0	306	4	2 941
7.44520-	2 1.01430-	1 7.99470-	5 2.91790-	7					942
0.0	+ 0 2.76000+	5	0	0	4	0	306	4	2 943
7.54500-	2 1.01310-	1 8.29030-	5 3.03230-	7					944
0.0	+ 0 2.77000+	5	0	0	4	0	306	4	2 945
7.64300-	2 1.01190-	1 8.58650-	5 3.14780-	7					946
0.0	+ 0 2.78000+	5	0	0	4	0	306	4	2 947
7.73930-	2 1.01070-	1 8.88330-	5 3.26460-	7					948
0.0	+ 0 2.79000+	5	0	0	4	0	306	4	2 949
7.83390-	2 1.00940-	1 9.18050-	5 3.38250-	7					950

.....10.....	20.....	30.....	40.....	50.....	60.....		MAT	MF	MT	SEQ
0.0	+ 0	2.80000+	5	0	0	0	0	4	0	306	4	2	951		
7.92680-	2	1.00810-	1	9.47820-	5	3.50150-	7			306	4	2	952		
0.0	+ 0	2.85000+	5	0	0	0	0	4	0	306	4	2	953		
8.36690-	2	1.00120-	1	1.09730-	4	4.11440-	7			306	4	2	954		
0.0	+ 0	2.90000+	5	0	0	0	0	4	0	306	4	2	955		
8.76790-	2	9.93780-	2	1.24770-	4	4.75610-	7			306	4	2	956		
0.0	+ 0	2.95000+	5	0	0	0	0	4	0	306	4	2	957		
9.13210-	2	9.85890-	2	1.39870-	4	5.42630-	7			306	4	2	958		
0.0	+ 0	3.00000+	5	0	0	0	0	4	0	306	4	2	959		
9.46220-	2	9.77670-	2	1.55010-	4	6.12500-	7			306	4	2	960		
0.0	+ 0	3.10000+	5	0	0	0	0	4	0	306	4	2	961		
1.00290-	1	9.60610-	2	1.85400-	4	7.60760-	7			306	4	2	962		
0.0	+ 0	3.20000+	5	0	0	0	0	4	0	306	4	2	963		
1.04870-	1	9.43190-	2	2.15850-	4	9.20450-	7			306	4	2	964		
0.0	+ 0	3.30000+	5	0	0	0	0	4	0	306	4	2	965		
1.08520-	1	9.25840-	2	2.46360-	4	1.09170-	6			306	4	2	966		
0.0	+ 0	3.40000+	5	0	0	0	0	4	0	306	4	2	967		
1.11390-	1	9.08860-	2	2.76900-	4	1.27490-	6			306	4	2	968		
0.0	+ 0	3.50000+	5	0	0	0	0	4	0	306	4	2	969		
1.13660-	1	8.92050-	2	3.07780-	4	1.47180-	6			306	4	2	970		
0.0	+ 0	3.60000+	5	0	0	0	0	4	0	306	4	2	971		
1.15360-	1	8.75870-	2	3.38740-	4	1.68150-	6			306	4	2	972		
0.0	+ 0	3.70000+	5	0	0	0	0	4	0	306	4	2	973		
1.16580-	1	8.60420-	2	3.69800-	4	1.90450-	6			306	4	2	974		
0.0	+ 0	3.80000+	5	0	0	0	0	4	0	306	4	2	975		
1.17400-	1	8.45720-	2	4.01000-	4	2.14120-	6			306	4	2	976		
0.0	+ 0	3.90000+	5	0	0	0	0	4	0	306	4	2	977		
1.17890-	1	8.31790-	2	4.32370-	4	2.39220-	6			306	4	2	978		
0.0	+ 0	4.00000+	5	0	0	0	0	4	0	306	4	2	979		
1.18080-	1	8.18630-	2	4.63930-	4	2.65790-	6			306	4	2	980		
0.0	+ 0	4.10000+	5	0	0	0	0	4	0	306	4	2	981		
1.18030-	1	8.06220-	2	4.95710-	4	2.93900-	6			306	4	2	982		
0.0	+ 0	4.20000+	5	0	0	0	0	4	0	306	4	2	983		
1.17780-	1	7.94530-	2	5.27740-	4	3.23590-	6			306	4	2	984		
0.0	+ 0	4.30000+	5	0	0	0	0	4	0	306	4	2	985		
1.17350-	1	7.83530-	2	5.60040-	4	3.54930-	6			306	4	2	986		
0.0	+ 0	4.40000+	5	0	0	0	0	4	0	306	4	2	987		
1.16780-	1	7.73180-	2	5.92640-	4	3.87970-	6			306	4	2	988		
0.0	+ 0	4.50000+	5	0	0	0	0	4	0	306	4	2	989		
1.16080-	1	7.63440-	2	6.25550-	4	4.22780-	6			306	4	2	990		
0.0	+ 0	4.60000+	5	0	0	0	0	4	0	306	4	2	991		
1.15270-	1	7.54290-	2	6.58790-	4	4.59400-	6			306	4	2	992		
0.0	+ 0	4.70000+	5	0	0	0	0	4	0	306	4	2	993		
1.14370-	1	7.45680-	2	6.92390-	4	4.97910-	6			306	4	2	994		
0.0	+ 0	4.80000+	5	0	0	0	0	4	0	306	4	2	995		
1.13400-	1	7.37580-	2	7.26350-	4	5.38360-	6			306	4	2	996		
0.0	+ 0	4.90000+	5	0	0	0	0	4	0	306	4	2	997		
1.12360-	1	7.29950-	2	7.60680-	4	5.80820-	6			306	4	2	998		
0.0	+ 0	5.00000+	5	0	0	0	0	4	0	306	4	2	999		
1.11260-	1	7.22760-	2	7.95410-	4	6.25340-	6			306	4	2	1000		
0.0	+ 0	5.47000+	5	0	0	0	0	2	0	306	4	2	1001		
1.56700-	1	4.79000-	2							306	4	2	1002		
0.0	+ 0	5.97000+	5	0	0	0	0	2	0	306	4	2	1003		

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
1.70700- 1	5.22000- 2							306 4	2 1004
0.0 + 0	6.47000+ 5	0	0	2		0	306 4	2 1005	
1.69000- 1	3.98000- 2						306 4	2 1006	
0.0 + 0	6.97000+ 5	0	0	2		0	306 4	2 1007	
1.60000- 1	3.65000- 2						306 4	2 1008	
0.0 + 0	7.47000+ 5	0	0	2		0	306 4	2 1009	
1.83000- 1	3.23000- 2						306 4	2 1010	
0.0 + 0	7.96000+ 5	0	0	2		0	306 4	2 1011	
1.94000- 1	3.73000- 2						306 4	2 1012	
0.0 + 0	8.46000+ 5	0	0	2		0	306 4	2 1013	
1.76000- 1	2.88000- 2						306 4	2 1014	
0.0 + 0	8.96000+ 5	0	0	2		0	306 4	2 1015	
2.08000- 1	2.25000- 2						306 4	2 1016	
0.0 + 0	9.46000+ 5	0	0	2		0	306 4	2 1017	
2.33000- 1	2.17000- 2						306 4	2 1018	
0.0 + 0	1.00000+ 6	0	0	2		0	306 4	2 1019	
1.40000- 1	3.22000- 2						306 4	2 1020	
0.0 + 0	1.10000+ 6	0	0	2		0	306 4	2 1021	
1.70000- 1	9.22000- 3						306 4	2 1022	
0.0 + 0	1.20000+ 6	0	0	2		0	306 4	2 1023	
1.52000- 1	1.56000- 2						306 4	2 1024	
0.0 + 0	1.33000+ 6	0	0	2		0	306 4	2 1025	
1.05000- 1	7.87000- 3						306 4	2 1026	
0.0 + 0	1.40000+ 6	0	0	2		0	306 4	2 1027	
1.07000- 1	2.05000- 2						306 4	2 1028	
0.0 + 0	1.50000+ 6	0	0	2		0	306 4	2 1029	
9.36000- 2	0.0 + 0						306 4	2 1030	
0.0 + 0	1.60000+ 6	0	0	4		0	306 4	2 1031	
9.44000- 2	7.22000- 3	1.84000- 3	8.58000- 3				306 4	2 1032	
0.0 + 0	1.70000+ 6	0	0	4		0	306 4	2 1033	
9.77000- 2	4.88000- 3	-1.05000- 2	0.0 + 0				306 4	2 1034	
0.0 + 0	1.80000+ 6	0	0	4		0	306 4	2 1035	
8.89000- 2	0.0 + 0	-3.63000- 3	2.82000- 3				306 4	2 1036	
0.0 + 0	1.90000+ 6	0	0	4		0	306 4	2 1037	
7.85000- 2	9.42000- 3	0.0 + 0	1.31000- 3				306 4	2 1038	
0.0 + 0	2.00000+ 6	0	0	4		0	306 4	2 1039	
8.12000- 2	1.99000- 2	0.0 + 0	-2.46000- 3				306 4	2 1040	
0.0 + 0	2.09000+ 6	0	0	4		0	306 4	2 1041	
9.40000- 2	3.97000- 2	7.46000- 3	3.48000- 3				306 4	2 1042	
0.0 + 0	2.19000+ 6	0	0	4		0	306 4	2 1043	
7.98000- 2	3.79000- 2	1.42000- 3	6.65000- 3				306 4	2 1044	
0.0 + 0	2.20000+ 6	0	0	4		0	306 4	2 1045	
9.50000- 2	3.67000- 2	1.45000- 3	3.39000- 3				306 4	2 1046	
0.0 + 0	2.30000+ 6	0	0	4		0	306 4	2 1047	
9.52000- 2	4.57000- 2	8.16000- 3	1.06000- 3				306 4	2 1048	
0.0 + 0	2.50000+ 6	0	0	4		0	306 4	2 1049	
6.95000- 2	5.96000- 2	8.51000- 3	8.83000- 3				306 4	2 1050	
0.0 + 0	2.60000+ 6	0	0	4		0	306 4	2 1051	
6.72000- 2	7.68000- 2	1.51000- 2	1.92000- 2				306 4	2 1052	
0.0 + 0	2.70000+ 6	0	0	4		0	306 4	2 1053	
9.09000- 2	7.71000- 2	3.09000- 2	1.36000- 2				306 4	2 1054	
0.0 + 0	2.80000+ 6	0	0	4		0	306 4	2 1055	
8.00000- 2	8.48000- 2	2.24000- 2	1.95000- 2				306 4	2 1056	

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
0.0	+ 0 2.90000+ 6	0	0	0	4	0	306	4	2 1057
9.92000-	2 1.07000- 1	2.62000- 2	1.26000- 2				306	4	2 1058
0.0	+ 0 3.00000+ 6	0	0	0	4	0	306	4	2 1059
1.09000-	1 1.19000- 1	3.29000- 2	2.03000- 2				306	4	2 1060
0.0	+ 0 4.08000+ 6	0	0	0	4	0	306	4	2 1061
3.25031-	1 2.20321- 1	5.46361- 2	2.69392- 2				306	4	2 1062
0.0	+ 0 4.26000+ 6	0	0	0	4	0	306	4	2 1063
3.69424-	1 2.50653- 1	7.02279- 2	3.14479- 2				306	4	2 1064
0.0	+ 0 4.57000+ 6	0	0	0	4	0	306	4	2 1065
4.14169-	1 2.66214- 1	7.75744- 2	2.67404- 2				306	4	2 1066
0.0	+ 0 4.83000+ 6	0	0	0	4	0	306	4	2 1067
4.30382-	1 2.82782- 1	9.88550- 2	4.21754- 2				306	4	2 1068
0.0	+ 0 5.05000+ 6	0	0	0	4	0	306	4	2 1069
4.52288-	1 3.00451- 1	1.07227- 1	4.16558- 2				306	4	2 1070
0.0	+ 0 5.29000+ 6	0	0	0	4	0	306	4	2 1071
4.58982-	1 3.00793- 1	1.06552- 1	3.49893- 2				306	4	2 1072
0.0	+ 0 5.54000+ 6	0	0	0	4	0	306	4	2 1073
4.74586-	1 3.10572- 1	1.14140- 1	3.74992- 2				306	4	2 1074
0.0	+ 0 5.74000+ 6	0	0	0	4	0	306	4	2 1075
4.93578-	1 3.19973- 1	1.22738- 1	3.85314- 2				306	4	2 1076
0.0	+ 0 6.05000+ 6	0	0	0	4	0	306	4	2 1077
5.07006-	1 3.27381- 1	1.28056- 1	4.08669- 2				306	4	2 1078
0.0	+ 0 6.37000+ 6	0	0	0	4	0	306	4	2 1079
5.37844-	1 3.36950- 1	1.41082- 1	4.23046- 2				306	4	2 1080
0.0	+ 0 6.66000+ 6	0	0	0	4	0	306	4	2 1081
5.41648-	1 3.40935- 1	1.45634- 1	4.70608- 2				306	4	2 1082
0.0	+ 0 6.94000+ 6	0	0	0	4	0	306	4	2 1083
5.70372-	1 3.64251- 1	1.57827- 1	5.03786- 2				306	4	2 1084
0.0	+ 0 7.32000+ 6	0	0	0	4	0	306	4	2 1085
5.91753-	1 3.89383- 1	1.65693- 1	6.61126- 2				306	4	2 1086
0.0	+ 0 7.47000+ 6	0	0	0	8	0	306	4	2 1087
5.81992-	1 3.77011- 1	1.81938- 1	6.56450- 2	1.20167- 2	5.92396- 3	3	306	4	2 1088
3.14176-	3 0.0 + 0						306	4	2 1089
0.0	+ 0 8.96000+ 6	0	0	0	6	0	306	4	2 1090
6.29843-	1 4.05524- 1	2.04011- 1	7.01956- 2	1.23444- 2	4.51447- 3	3	306	4	2 1091
0.0	+ 0 9.96000+ 6	0	0	0	8	0	306	4	2 1092
6.60562-	1 4.28816- 1	2.27281- 1	8.72338- 2	2.15340- 2	9.58016- 3	3	306	4	2 1093
4.47700-	3 0.0 + 0						306	4	2 1094
0.0	+ 0 1.09500+ 7	0	0	0	6	0	306	4	2 1095
6.85185-	1 4.51111- 1	2.44444- 1	9.62963- 2	2.35690- 2	7.78727- 3	3	306	4	2 1096
0.0	+ 0 1.20400+ 7	0	0	0	8	0	306	4	2 1097
7.10260-	1 4.77939- 1	2.74958- 1	1.20652- 1	4.08310- 2	1.68682- 2	2	306	4	2 1098
5.10788-	3 1.39871- 3						306	4	2 1099
0.0	+ 0 1.29400+ 7	0	0	0	8	0	306	4	2 1100
7.22914-	1 4.82711- 1	2.76823- 1	1.16336- 1	3.47039- 2	1.12778- 2	2	306	4	2 1101
2.67404-	3 0.0 + 0						306	4	2 1102
0.0	+ 0 1.39400+ 7	0	0	0	8	0	306	4	2 1103
7.34593-	1 4.92848- 1	2.79738- 1	1.14410- 1	3.26340- 2	9.23907- 3	3	306	4	2 1104
1.34953-	3 0.0 + 0						306	4	2 1105
0.0	+ 0 1.40000+ 7	0	0	0	8	0	306	4	2 1106
7.42131-	1 5.03886- 1	2.90008- 1	1.30452- 1	4.23557- 2	1.17993- 2	2	306	4	2 1107
2.85068-	3 6.13412- 4						306	4	2 1108
0.0	+ 0 1.50000+ 7	0	0	0	8	0	306	4	2 1109

	10	20	30	40	50	60	MAT	MF	MT	SEQ								
7.55867-	1	5.17479-	1	3.05410-	1	1.42419-	1	4.92846-	2	1.45569-	2	306	4	2	1110			
3.72641-	3	8.50114-	4									306	4	2	1111			
0.0	+	0	1.60000+	7	0	0	10	0	306	4	2	306	4	2	1112			
7.68266-	1	5.30717-	1	3.19999-	1	1.54405-	1	5.65962-	2	1.76305-	2	306	4	2	1113			
4.75894-	3	1.14553-	3	2.45822-	4	0.0	+	0				306	4	2	1114			
0.0	+	0	1.70000+	7	0	0	10	0	306	4	2	306	4	2	1115			
7.79530-	1	5.43697-	1	3.33931-	1	1.66394-	1	6.42442-	2	2.10212-	2	306	4	2	1116			
5.96549-	3	1.51734-	3	3.49911-	4	0.0	+	0				306	4	2	1117			
0.0	+	0	1.80000+	7	0	0	10	0	306	4	2	306	4	2	1118			
7.89919-	1	5.56365-	1	3.47408-	1	1.78358-	1	7.21630-	2	2.46933-	2	306	4	2	1119			
7.33239-	3	1.95338-	3	4.72330-	4	0.0	+	0				306	4	2	1120			
0.0	+	0	1.90000+	7	0	0	10	0	306	4	2	306	4	2	1121			
7.99466-	1	5.68711-	1	3.60461-	1	1.90241-	1	8.02989-	2	2.86353-	2	306	4	2	1122			
8.86877-	3	2.46646-	3	6.23342-	4	0.0	+	0				306	4	2	1123			
0.0	+	0	2.00000+	7	0	0	10	0	306	4	2	306	4	2	1124			
8.08261-	1	5.80718-	1	3.73157-	1	2.02020-	1	8.85989-	2	3.28273-	2	306	4	2	1125			
1.05741-	2	3.06107-	3	8.06211-	4	0.0	+	0				306	4	2	1126			
												306	4	0	1127			
3.00600+	3	5.96345+	0	0	0	2	0	0	306	4	16	306	4	16	1128			
0.0	+	0	5.96345+	0	0	1	0	0	306	4	16	306	4	16	1129			
0.0	+	0	0.0	+	0	0	0	1	15	306	4	16	306	4	16	1130		
	15		2						0	306	4	16	306	4	16	1131		
0.0	+	0	6.61394+	6	0	0	1	3	306	4	16	306	4	16	1132			
	3		2						0	306	4	16	306	4	16	1133		
-1.00000+	0	0.0	+	0	9.00000-	1	0.0	+	0	1.00000+	0	2.00000+	1	306	4	16	1134	
0.0	+	0	7.00000+	6	0	0	0	1	21	306	4	16	306	4	16	1135		
	21		2						0	306	4	16	306	4	16	1136		
-1.00000+	0	0.0	+	0	-9.00000-	1	0.0	+	0	-8.00000-	1	0.0	+	0	306	4	16	1137
-7.00000-	1	0.0	+	0	-6.00000-	1	9.87610-	3	-5.00000-	1	1.96040-	2	306	4	16	1138		
-4.00000-	1	2.59060-	2	-3.00000-	1	3.09500-	2	-2.00000-	1	5.70300-	2	306	4	16	1139			
-1.00000-	1	7.49700-	2	0.0	+	0	1.17250-	1	1.00000-	1	1.65870-	1	306	4	16	1140		
2.00000-	1	2.32370-	1	3.00000-	1	3.40270-	1	4.00000-	1	4.83790-	1	306	4	16	1141			
5.00000-	1	6.61790-	1	6.00000-	1	9.33290-	1	7.00000-	1	1.28090+	0	306	4	16	1142			
8.00000-	1	1.72470+	0	9.00000-	1	2.32360+	0	1.00000+	0	3.03550+	0	306	4	16	1143			
0.0	+	0	8.00000+	6	0	0	1	21	306	4	16	306	4	16	1144			
	21		2						0	306	4	16	306	4	16	1145		
-1.00000+	0	8.02220-	2	-9.00000-	1	8.69290-	2	-8.00000-	1	1.09140-	1	306	4	16	1146			
-7.00000-	1	1.22680-	1	-6.00000-	1	1.41580-	1	-5.00000-	1	1.66140-	1	306	4	16	1147			
-4.00000-	1	1.85890-	1	-3.00000-	1	2.22670-	1	-2.00000-	1	2.59350-	1	306	4	16	1148			
-1.00000-	1	2.96320-	1	0.0	+	0	3.50190-	1	1.00000-	1	4.09100-	1	306	4	16	1149		
2.00000-	1	4.75080-	1	3.00000-	1	5.51240-	1	4.00000-	1	6.42190-	1	306	4	16	1150			
5.00000-	1	7.49670-	1	6.00000-	1	8.72490-	1	7.00000-	1	1.01040+	0	306	4	16	1151			
8.00000-	1	1.16380+	0	9.00000-	1	1.36280+	0	1.00000+	0	1.56420+	0	306	4	16	1152			
0.0	+	0	9.00000+	6	0	0	1	21	306	4	16	306	4	16	1153			
	21		2						0	306	4	16	306	4	16	1154		
-1.00000+	0	1.27620-	1	-9.00000-	1	1.41650-	1	-8.00000-	1	1.52910-	1	306	4	16	1155			
-7.00000-	1	1.78460-	1	-6.00000-	1	1.95610-	1	-5.00000-	1	2.23710-	1	306	4	16	1156			
-4.00000-	1	2.47140-	1	-3.00000-	1	2.81910-	1	-2.00000-	1	3.10240-	1	306	4	16	1157			
-1.00000-	1	3.55050-	1	0.0	+	0	3.99940-	1	1.00000-	1	4.43270-	1	306	4	16	1158		
2.00000-	1	5.04020-	1	3.00000-	1	5.70150-	1	4.00000-	1	6.43040-	1	306	4	16	1159			
5.00000-	1	7.24250-	1	6.00000-	1	8.15280-	1	7.00000-	1	9.17220-	1	306	4	16	1160			
8.00000-	1	1.03060+	0	9.00000-	1	1.15560+	0	1.00000+	0	1.29240+	0	306	4	16	1161			
0.0	+	0	1.00000+	7	0	0	1	21	306	4	16	306	4	16	1162			

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
21	2	0	0	0	0	0	306	4	16 1163
-1.00000+ 0	1.54090-	1-9.00000-	1 1.70470-	1-8.00000-	1 1.83160-	1	306	4	16 1164
-7.00000-	1 2.08190-	1-6.00000-	1 2.26460-	1-5.00000-	1 2.53670-	1	306	4	16 1165
-4.00000-	1 2.77780-	1-3.00000-	1 3.10720-	1-2.00000-	1 3.39300-	1	306	4	16 1166
-1.00000-	1 3.80950-	1 0.0 + 0	4.19220-	1 1.00000-	1 4.64340-	1	306	4	16 1167
2.00000-	1 5.18650-	1 3.00000-	1 5.75820-	1 4.00000-	1 6.35150-	1	306	4	16 1168
5.00000-	1 7.00950-	1 6.00000-	1 7.79940-	1 7.00000-	1 8.66160-	1	306	4	16 1169
8.00000-	1 9.60460-	1 9.00000-	1 1.06360+	0 1.00000+	0 1.17600+	0	306	4	16 1170
0.0 + 0	1.10000+	7 0	0	0	1	21	306	4	16 1171
21	2	0	0	0	0	0	306	4	16 1172
-1.00000+ 0	1.70130-	1-9.00000-	1 1.88330-	1-8.00000-	1 2.06640-	1	306	4	16 1173
-7.00000-	1 2.20890-	1-6.00000-	1 2.48700-	1-5.00000-	1 2.67810-	1	306	4	16 1174
-4.00000-	1 2.98990-	1-3.00000-	1 3.22780-	1-2.00000-	1 3.59870-	1	306	4	16 1175
-1.00000-	1 3.87410-	1 0.0 + 0	4.32390-	1 1.00000-	1 4.77320-	1	306	4	16 1176
2.00000-	1 5.16890-	1 3.00000-	1 5.73590-	1 4.00000-	1 6.33470-	1	306	4	16 1177
5.00000-	1 6.97120-	1 6.00000-	1 7.65050-	1 7.00000-	1 8.36950-	1	306	4	16 1178
8.00000-	1 9.17410-	1 9.00000-	1 1.00910+	0 1.00000+	0 1.10840+	0	306	4	16 1179
0.0 + 0	1.20000+	7 0	0	0	1	21	306	4	16 1180
21	2	0	0	0	0	0	306	4	16 1181
-1.00000+ 0	1.85960-	1-9.00000-	1 2.01200-	1-8.00000-	1 2.13740-	1	306	4	16 1182
-7.00000-	1 2.39880-	1-6.00000-	1 2.57040-	1-5.00000-	1 2.84960-	1	306	4	16 1183
-4.00000-	1 3.07010-	1-3.00000-	1 3.39050-	1-2.00000-	1 3.65340-	1	306	4	16 1184
-1.00000-	1 4.03880-	1 0.0 + 0	4.33330-	1 1.00000-	1 4.79910-	1	306	4	16 1185
2.00000-	1 5.26830-	1 3.00000-	1 5.68780-	1 4.00000-	1 6.25430-	1	306	4	16 1186
5.00000-	1 6.86750-	1 6.00000-	1 7.51800-	1 7.00000-	1 8.21140-	1	306	4	16 1187
8.00000-	1 8.95330-	1 9.00000-	1 9.74260-	1 1.00000+	0 1.06270+	0	306	4	16 1188
0.0 + 0	1.30000+	7 0	0	0	1	21	306	4	16 1189
21	2	0	0	0	0	0	306	4	16 1190
-1.00000+ 0	1.94720-	1-9.00000-	1 2.06430-	1-8.00000-	1 2.30010-	1	306	4	16 1191
-7.00000-	1 2.46480-	1-6.00000-	1 2.69930-	1-5.00000-	1 2.92140-	1	306	4	16 1192
-4.00000-	1 3.17380-	1-3.00000-	1 3.45210-	1-2.00000-	1 3.75960-	1	306	4	16 1193
-1.00000-	1 4.07190-	1 0.0 + 0	4.45960-	1 1.00000-	1 4.79060-	1	306	4	16 1194
2.00000-	1 5.26650-	1 3.00000-	1 5.74400-	1 4.00000-	1 6.18110-	1	306	4	16 1195
5.00000-	1 6.77560-	1 6.00000-	1 7.40170-	1 7.00000-	1 8.06430-	1	306	4	16 1196
8.00000-	1 8.76820-	1 9.00000-	1 9.51580-	1 1.00000+	0 1.03030+	0	306	4	16 1197
0.0 + 0	1.40000+	7 0	0	0	1	21	306	4	16 1198
21	2	0	0	0	0	0	306	4	16 1199
-1.00000+ 0	1.99360-	1-9.00000-	1 2.19480-	1-8.00000-	1 2.36300-	1	306	4	16 1200
-7.00000-	1 2.50150-	1-6.00000-	1 2.77870-	1-5.00000-	1 2.95940-	1	306	4	16 1201
-4.00000-	1 3.26010-	1-3.00000-	1 3.48320-	1-2.00000-	1 3.82660-	1	306	4	16 1202
-1.00000-	1 4.08660-	1 0.0 + 0	4.49050-	1 1.00000-	1 4.86310-	1	306	4	16 1203
2.00000-	1 5.25640-	1 3.00000-	1 5.73890-	1 4.00000-	1 6.21230-	1	306	4	16 1204
5.00000-	1 6.70740-	1 6.00000-	1 7.31560-	1 7.00000-	1 7.95550-	1	306	4	16 1205
8.00000-	1 8.63080-	1 9.00000-	1 9.34290-	1 1.00000+	0 1.00720+	0	306	4	16 1206
0.0 + 0	1.50000+	7 0	0	0	1	21	306	4	16 1207
21	2	0	0	0	0	0	306	4	16 1208
-1.00000+ 0	2.06160-	1-9.00000-	1 2.25690-	1-8.00000-	1 2.39790-	1	306	4	16 1209
-7.00000-	1 2.62600-	1-6.00000-	1 2.81900-	1-5.00000-	1 3.04410-	1	306	4	16 1210
-4.00000-	1 3.29960-	1-3.00000-	1 3.54530-	1-2.00000-	1 3.85560-	1	306	4	16 1211
-1.00000-	1 4.16810-	1 0.0 + 0	4.49930-	1 1.00000-	1 4.89520-	1	306	4	16 1212
2.00000-	1 5.23810-	1 3.00000-	1 5.72010-	1 4.00000-	1 6.20240-	1	306	4	16 1213
5.00000-	1 6.64550-	1 6.00000-	1 7.23950-	1 7.00000-	1 7.86130-	1	306	4	16 1214
8.00000-	1 8.51410-	1 9.00000-	1 9.19830-	1 1.00000+	0 9.88600-	1	306	4	16 1215

										MAT	MF	MT	SEQ
.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....								
0.0	+ 0	1.60000+	7	0	0	1	21	306	4	16	1216		
	21		2	0	0	0		0	306	4	16	1217	
-1.00000+	0	2.14470-	1-9.00000-	1	2.29550-	1-8.00000-	1	2.42200-	1	306	4	16	1218
-7.00000-	1	2.67740-	1-6.00000-	1	2.84590-	1-5.00000-	1	3.11030-	1	306	4	16	1219
-4.00000-	1	3.32520-	1-3.00000-	1	3.61570-	1-2.00000-	1	3.87390-	1	306	4	16	1220
-1.00000-	1	4.21310-	1 0.0	+ 0	4.50390-	1 1.00000-	1	4.90910-	1	306	4	16	1221
2.00000-	1	5.25230-	1 3.00000-	1	5.70390-	1 4.00000-	1	6.18730-	1	306	4	16	1222
5.00000-	1	6.63860-	1 6.00000-	1	7.18120-	1 7.00000-	1	7.78910-	1	306	4	16	1223
8.00000-	1	8.42450-	1 9.00000-	1	9.08710-	1 1.00000+	0	9.74360-	1	306	4	16	1224
0.0	+ 0	1.70000+	7	0	0	1	21	306	4	16	1225		
	21		2	0	0	0		0	306	4	16	1226	
-1.00000+	0	2.18830-	1-9.00000-	1	2.32180-	1-8.00000-	1	2.51800-	1	306	4	16	1227
-7.00000-	1	2.71010-	1-6.00000-	1	2.86400-	1-5.00000-	1	3.14740-	1	306	4	16	1228
-4.00000-	1	3.34190-	1-3.00000-	1	3.65090-	1-2.00000-	1	3.88490-	1	306	4	16	1229
-1.00000-	1	4.23680-	1 0.0	+ 0	4.50430-	1 1.00000-	1	4.91460-	1	306	4	16	1230
2.00000-	1	5.29600-	1 3.00000-	1	5.68760-	1 4.00000-	1	6.17010-	1	306	4	16	1231
5.00000-	1	6.63980-	1 6.00000-	1	7.13170-	1 7.00000-	1	7.72830-	1	306	4	16	1232
8.00000-	1	8.34970-	1 9.00000-	1	8.99490-	1 1.00000+	0	9.62650-	1	306	4	16	1233
0.0	+ 0	1.80000+	7	0	0	1	21	306	4	16	1234		
	21		2	0	0	0		0	306	4	16	1235	
-1.00000+	0	2.21850-	1-9.00000-	1	2.34120-	1-8.00000-	1	2.56400-	1	306	4	16	1236
-7.00000-	1	2.73350-	1-6.00000-	1	2.93880-	1-5.00000-	1	3.17280-	1	306	4	16	1237
-4.00000-	1	3.35380-	1-3.00000-	1	3.67410-	1-2.00000-	1	3.89220-	1	306	4	16	1238
-1.00000-	1	4.25210-	1 0.0	+ 0	4.54680-	1 1.00000-	1	4.91670-	1	306	4	16	1239
2.00000-	1	5.31010-	1 3.00000-	1	5.67300-	1 4.00000-	1	6.15400-	1	306	4	16	1240
5.00000-	1	6.62800-	1 6.00000-	1	7.09050-	1 7.00000-	1	7.67780-	1	306	4	16	1241
8.00000-	1	8.28770-	1 9.00000-	1	8.91860-	1 1.00000+	0	9.53020-	1	306	4	16	1242
0.0	+ 0	1.90000+	7	0	0	1	21	306	4	16	1243		
	21		2	0	0	0		0	306	4	16	1244	
-1.00000+	0	2.23940-	1-9.00000-	1	2.35440-	1-8.00000-	1	2.59320-	1	306	4	16	1245
-7.00000-	1	2.74930-	1-6.00000-	1	2.98260-	1-5.00000-	1	3.18930-	1	306	4	16	1246
-4.00000-	1	3.42390-	1-3.00000-	1	3.68830-	1-2.00000-	1	3.94860-	1	306	4	16	1247
-1.00000-	1	4.25970-	1 0.0	+ 0	4.58280-	1 1.00000-	1	4.91370-	1	306	4	16	1248
2.00000-	1	5.31310-	1 3.00000-	1	5.65620-	1 4.00000-	1	6.13510-	1	306	4	16	1249
5.00000-	1	6.60980-	1 6.00000-	1	7.05080-	1 7.00000-	1	7.62990-	1	306	4	16	1250
8.00000-	1	8.22970-	1 9.00000-	1	8.84830-	1 1.00000+	0	9.44290-	1	306	4	16	1251
0.0	+ 0	2.00000+	7	0	0	1	21	306	4	16	1252		
	21		2	0	0	0		0	306	4	16	1253	
-1.00000+	0	2.25590-	1-9.00000-	1	2.42560-	1-8.00000-	1	2.61520-	1	306	4	16	1254
-7.00000-	1	2.76200-	1-6.00000-	1	3.01120-	1-5.00000-	1	3.20240-	1	306	4	16	1255
-4.00000-	1	3.45980-	1-3.00000-	1	3.69940-	1-2.00000-	1	3.98390-	1	306	4	16	1256
-1.00000-	1	4.26560-	1 0.0	+ 0	4.60160-	1 1.00000-	1	4.91100-	1	306	4	16	1257
2.00000-	1	5.31420-	1 3.00000-	1	5.64230-	1 4.00000-	1	6.11940-	1	306	4	16	1258
5.00000-	1	6.59360-	1 6.00000-	1	7.01790-	1 7.00000-	1	7.59030-	1	306	4	16	1259
8.00000-	1	8.18170-	1 9.00000-	1	8.78990-	1 1.00000+	0	9.37030-	1	306	4	16	1260
									306	4	0	1261	
3.00600+	3	5.96345+	0	0	1	0	0	306	4	51	1262		
0.0	+ 0	5.96345+	0	0	2	0	0	306	4	51	1263		
0.0	+ 0	0.0	+ 0	0	0	1	11	306	4	51	1264		
	11		2	0	0	0		0	306	4	51	1265	
0.0	+ 0	2.55140+	6	0	0	2	0	306	4	51	1266		
0.0	+ 0	0.0	+ 0	0	0	0	0	306	4	51	1267		
0.0	+ 0	4.83000+	6	0	0	2	0	306	4	51	1268		

.....10.....20.....30.....40.....50.....60.....	MAT	MF	MT	SEQ
5.90885- 2-1.04122- 1			306 4 51	1269
0.0 + 0 5.74000+ 6		0	0 306 4 51	1270
1.06160- 1-2.86904- 2			306 4 51	1271
0.0 + 0 7.47000+ 6		0	0 306 4 51	1272
1.53005- 1-2.45902- 2			306 4 51	1273
0.0 + 0 8.96000+ 6		0	0 306 4 51	1274
1.63399- 1-1.96078- 2			306 4 51	1275
0.0 + 0 9.96000+ 6		0	0 306 4 51	1276
1.33333- 1-2.35294- 3			306 4 51	1277
0.0 + 0 1.09500+ 7		0	0 306 4 51	1278
1.55039- 1-3.95349- 2-7.30897- 2-1.42119- 2			306 4 51	1279
0.0 + 0 1.20400+ 7		0	0 306 4 51	1280
2.38095- 1 1.81818- 2			306 4 51	1281
0.0 + 0 1.29400+ 7		0	0 306 4 51	1282
2.16931- 1 1.26984- 2			306 4 51	1283
0.0 + 0 1.39400+ 7		0	0 306 4 51	1284
2.15385- 1 2.46134- 2			306 4 51	1285
0.0 + 0 2.00000+ 7		0	0 306 4 51	1286
2.00000- 1 2.00000- 2			306 4 51	1287
			306 4 0	1288
3.00600+ 3 5.96345+ 0		0	0 306 4 52	1289
0.0 + 0 5.96345+ 0		0	0 306 4 52	1290
0.0 + 0 0.0 + 0		0	2 306 4 52	1291
2 2		0	0 306 4 52	1292
0.0 + 0 4.15931+ 6		0	2 306 4 52	1293
2 2		0	0 306 4 52	1294
-1.00000+ 0 5.00000- 1 1.00000+ 0 5.00000- 1			306 4 52	1295
0.0 + 0 2.00000+ 7		0	2 306 4 52	1296
2 2		0	0 306 4 52	1297
-1.00000+ 0 5.00000- 1 1.00000+ 0 5.00000- 1			306 4 52	1298
			306 4 0	1299
3.00600+ 3 5.96345+ 0		0	0 306 4 91	1300
0.0 + 0 5.96345+ 0		0	0 306 4 91	1301
0.0 + 0 0.0 + 0		0	1 20 306 4 91	1302
20 2		0	0 306 4 91	1303
0.0 + 0 1.72057+ 6		0	1 3 306 4 91	1304
3 2		0	0 306 4 91	1305
-1.00000+ 0 0.0 + 0 9.00000- 1 0.0 + 0 1.00000+ 0 2.00000+ 1			306 4 91	1306
0.0 + 0 2.00000+ 6		0	1 21 306 4 91	1307
21 2		0	0 306 4 91	1308
-1.00000+ 0 5.39420- 2-9.00000- 1 7.11980- 2-8.00000- 1 8.29940- 2			306 4 91	1309
-7.00000- 1 9.21960- 2-6.00000- 1 1.15490- 1-5.00000- 1 1.33420- 1			306 4 91	1310
-4.00000- 1 1.59290- 1-3.00000- 1 1.87350- 1-2.00000- 1 2.25700- 1			306 4 91	1311
-1.00000- 1 2.59480- 1 0.0 + 0 3.15480- 1 1.00000- 1 3.78160- 1			306 4 91	1312
2.00000- 1 4.50460- 1 3.00000- 1 5.35840- 1 4.00000- 1 6.37170- 1			306 4 91	1313
5.00000- 1 7.55630- 1 6.00000- 1 8.91620- 1 7.00000- 1 1.06470+ 0			306 4 91	1314
8.00000- 1 1.25680+ 0 9.00000- 1 1.48990+ 0 1.00000+ 0 1.74030+ 0			306 4 91	1315
0.0 + 0 3.00000+ 6		0	1 21 306 4 91	1316
21 2		0	0 306 4 91	1317
-1.00000+ 0 1.73130- 1-9.00000- 1 1.96560- 1-8.00000- 1 2.10810- 1			306 4 91	1318
-7.00000- 1 2.33550- 1-6.00000- 1 2.53690- 1-5.00000- 1 2.77130- 1			306 4 91	1319
-4.00000- 1 3.03800- 1-3.00000- 1 3.32000- 1-2.00000- 1 3.63060- 1			306 4 91	1320
-1.00000- 1 3.99680- 1 0.0 + 0 4.32740- 1 1.00000- 1 4.78880- 1			306 4 91	1321

10	20	30	40	50	60	MAT	MF	MT	SEQ	
2.00000- 1	5.24570- 1	3.00000- 1	5.69570- 1	4.00000- 1	6.28500- 1	306	4	91	1322	
5.00000- 1	6.90890- 1	6.00000- 1	7.57350- 1	7.00000- 1	8.28500- 1	306	4	91	1323	
8.00000- 1	9.04850- 1	9.00000- 1	9.86710- 1	1.00000+ 0	1.08120+ 0	306	4	91	1324	
0.0 + 0	4.00000+ 6	0	0	0	1	21	306	4	91	1325
21	2	0	0	0	0	0	306	4	91	1326
-1.00000+ 0	2.10100- 1	-9.00000- 1	2.27190- 1	-8.00000- 1	2.40660- 1	306	4	91	1327	
-7.00000- 1	2.64710- 1	-6.00000- 1	2.82900- 1	-5.00000- 1	3.07380- 1	306	4	91	1328	
-4.00000- 1	3.30920- 1	-3.00000- 1	3.57930- 1	-2.00000- 1	3.86240- 1	306	4	91	1329	
-1.00000- 1	4.18860- 1	0.0 + 0	4.50070- 1	1.00000- 1	4.90150- 1	306	4	91	1330	
2.00000- 1	5.23180- 1	3.00000- 1	5.71390- 1	4.00000- 1	6.19810- 1	306	4	91	1331	
5.00000- 1	6.62680- 1	6.00000- 1	7.21710- 1	7.00000- 1	7.83440- 1	306	4	91	1332	
8.00000- 1	8.48170- 1	9.00000- 1	9.15990- 1	1.00000+ 0	9.83150- 1	306	4	91	1333	
0.0 + 0	5.00000+ 6	0	0	0	1	21	306	4	91	1334
21	2	0	0	0	0	0	306	4	91	1335
-1.00000+ 0	2.24210- 1	-9.00000- 1	2.35580- 1	-8.00000- 1	2.59740- 1	306	4	91	1336	
-7.00000- 1	2.75120- 1	-6.00000- 1	2.98880- 1	-5.00000- 1	3.19140- 1	306	4	91	1337	
-4.00000- 1	3.43310- 1	-3.00000- 1	3.69020- 1	-2.00000- 1	3.95880- 1	306	4	91	1338	
-1.00000- 1	4.26060- 1	0.0 + 0	4.58820- 1	1.00000- 1	4.91280- 1	306	4	91	1339	
2.00000- 1	5.31410- 1	3.00000- 1	5.65290- 1	4.00000- 1	6.13230- 1	306	4	91	1340	
5.00000- 1	6.60840- 1	6.00000- 1	7.04410- 1	7.00000- 1	7.62260- 1	306	4	91	1341	
8.00000- 1	8.22180- 1	9.00000- 1	8.84020- 1	1.00000+ 0	9.42890- 1	306	4	91	1342	
0.0 + 0	6.00000+ 6	0	0	0	1	21	306	4	91	1343
21	2	0	0	0	0	0	306	4	91	1344
-1.00000+ 0	2.28880- 1	-9.00000- 1	2.50810- 1	-8.00000- 1	2.65750- 1	306	4	91	1345	
-7.00000- 1	2.85090- 1	-6.00000- 1	3.06200- 1	-5.00000- 1	3.22770- 1	306	4	91	1346	
-4.00000- 1	3.51570- 1	-3.00000- 1	3.72000- 1	-2.00000- 1	4.03380- 1	306	4	91	1347	
-1.00000- 1	4.27510- 1	0.0 + 0	4.62990- 1	1.00000- 1	4.90240- 1	306	4	91	1348	
2.00000- 1	5.31180- 1	3.00000- 1	5.68780- 1	4.00000- 1	6.08240- 1	306	4	91	1349	
5.00000- 1	6.55450- 1	6.00000- 1	6.99560- 1	7.00000- 1	7.50100- 1	306	4	91	1350	
8.00000- 1	8.07450- 1	9.00000- 1	8.66130- 1	1.00000+ 0	9.20730- 1	306	4	91	1351	
0.0 + 0	7.00000+ 6	0	0	0	1	21	306	4	91	1352
21	2	0	0	0	0	0	306	4	91	1353
-1.00000+ 0	2.39500- 1	-9.00000- 1	2.55440- 1	-8.00000- 1	2.68530- 1	306	4	91	1354	
-7.00000- 1	2.91970- 1	-6.00000- 1	3.09350- 1	-5.00000- 1	3.31940- 1	306	4	91	1355	
-4.00000- 1	3.54710- 1	-3.00000- 1	3.76370- 1	-2.00000- 1	4.05880- 1	306	4	91	1356	
-1.00000- 1	4.28980- 1	0.0 + 0	4.64040- 1	1.00000- 1	4.95190- 1	306	4	91	1357	
2.00000- 1	5.30060- 1	3.00000- 1	5.69070- 1	4.00000- 1	6.04430- 1	306	4	91	1358	
5.00000- 1	6.51170- 1	6.00000- 1	6.96150- 1	7.00000- 1	7.41900- 1	306	4	91	1359	
8.00000- 1	7.97620- 1	9.00000- 1	8.54320- 1	1.00000+ 0	9.06280- 1	306	4	91	1360	
0.0 + 0	8.00000+ 6	0	0	0	1	21	306	4	91	1361
21	2	0	0	0	0	0	306	4	91	1362
-1.00000+ 0	2.44050- 1	-9.00000- 1	2.58010- 1	-8.00000- 1	2.73780- 1	306	4	91	1363	
-7.00000- 1	2.95270- 1	-6.00000- 1	3.11080- 1	-5.00000- 1	3.36210- 1	306	4	91	1364	
-4.00000- 1	3.56360- 1	-3.00000- 1	3.82270- 1	-2.00000- 1	4.07070- 1	306	4	91	1365	
-1.00000- 1	4.35480- 1	0.0 + 0	4.64310- 1	1.00000- 1	4.97520- 1	306	4	91	1366	
2.00000- 1	5.28950- 1	3.00000- 1	5.68420- 1	4.00000- 1	6.01570- 1	306	4	91	1367	
5.00000- 1	6.47920- 1	6.00000- 1	6.92900- 1	7.00000- 1	7.36070- 1	306	4	91	1368	
8.00000- 1	7.90680- 1	9.00000- 1	8.46020- 1	1.00000+ 0	8.96190- 1	306	4	91	1369	
0.0 + 0	9.00000+ 6	0	0	0	1	21	306	4	91	1370
21	2	0	0	0	0	0	306	4	91	1371
-1.00000+ 0	2.46900- 1	-9.00000- 1	2.59830- 1	-8.00000- 1	2.79310- 1	306	4	91	1372	
-7.00000- 1	2.97510- 1	-6.00000- 1	3.12400- 1	-5.00000- 1	3.38830- 1	306	4	91	1373	
-4.00000- 1	3.57610- 1	-3.00000- 1	3.85100- 1	-2.00000- 1	4.08020- 1	306	4	91	1374	

	10	20	30	40	50	60	MAT	MF	MT	SEQ					
-1.00000-	1	4.37950-	1	0.0	+ 0	4.64650-	1	1.00000-	1	4.98770-	1	306	4	91	1375
2.00000-	1	5.28380-	1	3.00000-	1	5.68090-	1	4.00000-	1	5.99820-	1	306	4	91	1376
5.00000-	1	6.45900-	1	6.00000-	1	6.90780-	1	7.00000-	1	7.32270-	1	306	4	91	1377
8.00000-	1	7.86120-	1	9.00000-	1	8.40510-	1	1.00000+	0	8.89420-	1	306	4	91	1378
0.0	+ 0	1.00000+	7	0	0	0	0	1	21	306	4	91	1379		
	21	2	0	0	0	0	0	0	0	306	4	91	1380		
-1.00000+	0	2.48890-	1	-9.00000-	1	2.61180-	1	-8.00000-	1	2.82300-	1	306	4	91	1381
-7.00000-	1	2.99120-	1	-6.00000-	1	3.14870-	1	-5.00000-	1	3.40640-	1	306	4	91	1382
-4.00000-	1	3.58550-	1	-3.00000-	1	3.86960-	1	-2.00000-	1	4.08730-	1	306	4	91	1383
-1.00000-	1	4.39510-	1	0.0	+ 0	4.64930-	1	1.00000-	1	4.99580-	1	306	4	91	1384
2.00000-	1	5.27990-	1	3.00000-	1	5.67830-	1	4.00000-	1	5.98780-	1	306	4	91	1385
5.00000-	1	6.44440-	1	6.00000-	1	6.89200-	1	7.00000-	1	7.29500-	1	306	4	91	1386
8.00000-	1	7.82770-	1	9.00000-	1	8.36460-	1	1.00000+	0	8.84430-	1	306	4	91	1387
0.0	+ 0	1.10000+	7	0	0	0	0	1	21	306	4	91	1388		
	21	2	0	0	0	0	0	0	0	306	4	91	1389		
-1.00000+	0	2.50200-	1	-9.00000-	1	2.62030-	1	-8.00000-	1	2.84180-	1	306	4	91	1390
-7.00000-	1	3.00130-	1	-6.00000-	1	3.19670-	1	-5.00000-	1	3.41750-	1	306	4	91	1391
-4.00000-	1	3.59030-	1	-3.00000-	1	3.88040-	1	-2.00000-	1	4.09010-	1	306	4	91	1392
-1.00000-	1	4.40330-	1	0.0	+ 0	4.64840-	1	1.00000-	1	4.99830-	1	306	4	91	1393
2.00000-	1	5.27350-	1	3.00000-	1	5.67260-	1	4.00000-	1	6.01680-	1	306	4	91	1394
5.00000-	1	6.42900-	1	6.00000-	1	6.87510-	1	7.00000-	1	7.26900-	1	306	4	91	1395
8.00000-	1	7.79690-	1	9.00000-	1	8.32790-	1	1.00000+	0	8.80000-	1	306	4	91	1396
0.0	+ 0	1.20000+	7	0	0	0	0	1	21	306	4	91	1397		
	21	2	0	0	0	0	0	0	0	306	4	91	1398		
-1.00000+	0	2.51310-	1	-9.00000-	1	2.62790-	1	-8.00000-	1	2.85680-	1	306	4	91	1399
-7.00000-	1	3.01030-	1	-6.00000-	1	3.22070-	1	-5.00000-	1	3.42730-	1	306	4	91	1400
-4.00000-	1	3.59540-	1	-3.00000-	1	3.89000-	1	-2.00000-	1	4.09380-	1	306	4	91	1401
-1.00000-	1	4.41090-	1	0.0	+ 0	4.64940-	1	1.00000-	1	5.00170-	1	306	4	91	1402
2.00000-	1	5.27050-	1	3.00000-	1	5.67000-	1	4.00000-	1	6.02350-	1	306	4	91	1403
5.00000-	1	6.41910-	1	6.00000-	1	6.86420-	1	7.00000-	1	7.25100-	1	306	4	91	1404
8.00000-	1	7.77530-	1	9.00000-	1	8.30180-	1	1.00000+	0	8.76800-	1	306	4	91	1405
0.0	+ 0	1.30000+	7	0	0	0	0	1	21	306	4	91	1406		
	21	2	0	0	0	0	0	0	0	306	4	91	1407		
-1.00000+	0	2.52120-	1	-9.00000-	1	2.65630-	1	-8.00000-	1	2.86750-	1	306	4	91	1408
-7.00000-	1	3.01650-	1	-6.00000-	1	3.23630-	1	-5.00000-	1	3.43400-	1	306	4	91	1409
-4.00000-	1	3.61480-	1	-3.00000-	1	3.89630-	1	-2.00000-	1	4.09550-	1	306	4	91	1410
-1.00000-	1	4.41550-	1	0.0	+ 0	4.64870-	1	1.00000-	1	5.00280-	1	306	4	91	1411
2.00000-	1	5.26620-	1	3.00000-	1	5.66600-	1	4.00000-	1	6.02470-	1	306	4	91	1412
5.00000-	1	6.40900-	1	6.00000-	1	6.85300-	1	7.00000-	1	7.23400-	1	306	4	91	1413
8.00000-	1	7.75510-	1	9.00000-	1	8.27780-	1	1.00000+	0	8.73900-	1	306	4	91	1414
0.0	+ 0	1.40000+	7	0	0	0	0	1	21	306	4	91	1415		
	21	2	0	0	0	0	0	0	0	306	4	91	1416		
-1.00000+	0	2.52730-	1	-9.00000-	1	2.68510-	1	-8.00000-	1	2.87560-	1	306	4	91	1417
-7.00000-	1	3.02110-	1	-6.00000-	1	3.24760-	1	-5.00000-	1	3.43890-	1	306	4	91	1418
-4.00000-	1	3.64460-	1	-3.00000-	1	3.90070-	1	-2.00000-	1	4.09620-	1	306	4	91	1419
-1.00000-	1	4.41830-	1	0.0	+ 0	4.64730-	1	1.00000-	1	5.00270-	1	306	4	91	1420
2.00000-	1	5.26190-	1	3.00000-	1	5.66170-	1	4.00000-	1	6.02370-	1	306	4	91	1421
5.00000-	1	6.39960-	1	6.00000-	1	6.84250-	1	7.00000-	1	7.21870-	1	306	4	91	1422
8.00000-	1	7.73710-	1	9.00000-	1	8.25650-	1	1.00000+	0	8.71350-	1	306	4	91	1423
0.0	+ 0	1.50000+	7	0	0	0	0	1	21	306	4	91	1424		
	21	2	0	0	0	0	0	0	0	306	4	91	1425		
-1.00000+	0	2.53290-	1	-9.00000-	1	2.70250-	1	-8.00000-	1	2.88280-	1	306	4	91	1426
-7.00000-	1	3.02550-	1	-6.00000-	1	3.25710-	1	-5.00000-	1	3.44350-	1	306	4	91	1427

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
-4.00000-	1 3.66070-	1-3.00000-	1 3.90510-	1-2.00000-	1 4.09750-	1	306	4 91	1428
-1.00000-	1 4.42150-	1 0.0 + 0	4.64700-	1 1.00000-	1 5.00350-	1	306	4 91	1429
2.00000-	1 5.25920-	1 3.00000-	1 5.65910-	1 4.00000-	1 6.02350-	1	306	4 91	1430
5.00000-	1 6.39280-	1 6.00000-	1 6.83500-	1 7.00000-	1 7.20720-	1	306	4 91	1431
8.00000-	1 7.72340-	1 9.00000-	1 8.24010-	1 1.00000+	0 8.69350-	1	306	4 91	1432
0.0 + 0	1.60000+ 7	0	0	0	1	21	306	4 91	1433
	21	2	0	0	0	0	306	4 91	1434
-1.00000+	0 2.53710-	1-9.00000-	1 2.71480-	1-8.00000-	1 2.88820-	1	306	4 91	1435
-7.00000-	1 3.02860-	1-6.00000-	1 3.26420-	1-5.00000-	1 3.44670-	1	306	4 91	1436
-4.00000-	1 3.67160-	1-3.00000-	1 3.90790-	1-2.00000-	1 4.09770-	1	306	4 91	1437
-1.00000-	1 4.42310-	1 0.0 + 0	4.64580-	1 1.00000-	1 5.00300-	1	306	4 91	1438
2.00000-	1 5.28250-	1 3.00000-	1 5.65570-	1 4.00000-	1 6.02180-	1	306	4 91	1439
5.00000-	1 6.38570-	1 6.00000-	1 6.82700-	1 7.00000-	1 7.19580-	1	306	4 91	1440
8.00000-	1 7.71000-	1 9.00000-	1 8.22430-	1 1.00000+	0 8.67460-	1	306	4 91	1441
0.0 + 0	1.70000+ 7	0	0	0	1	21	306	4 91	1442
	21	2	0	0	0	0	306	4 91	1443
-1.00000+	0 2.54020-	1-9.00000-	1 2.72400-	1-8.00000-	1 2.89240-	1	306	4 91	1444
-7.00000-	1 3.03080-	1-6.00000-	1 3.26960-	1-5.00000-	1 3.44890-	1	306	4 91	1445
-4.00000-	1 3.67930-	1-3.00000-	1 3.90960-	1-2.00000-	1 4.12660-	1	306	4 91	1446
-1.00000-	1 4.42380-	1 0.0 + 0	4.64390-	1 1.00000-	1 5.00180-	1	306	4 91	1447
2.00000-	1 5.29140-	1 3.00000-	1 5.65170-	1 4.00000-	1 6.01910-	1	306	4 91	1448
5.00000-	1 6.37840-	1 6.00000-	1 6.81900-	1 7.00000-	1 7.18470-	1	306	4 91	1449
8.00000-	1 7.69710-	1 9.00000-	1 8.20920-	1 1.00000+	0 8.65680-	1	306	4 91	1450
0.0 + 0	1.80000+ 7	0	0	0	1	21	306	4 91	1451
	21	2	0	0	0	0	306	4 91	1452
-1.00000+	0 2.54310-	1-9.00000-	1 2.73170-	1-8.00000-	1 2.89610-	1	306	4 91	1453
-7.00000-	1 3.03280-	1-6.00000-	1 3.27440-	1-5.00000-	1 3.45100-	1	306	4 91	1454
-4.00000-	1 3.68570-	1-3.00000-	1 3.91140-	1-2.00000-	1 4.13910-	1	306	4 91	1455
-1.00000-	1 4.42460-	1 0.0 + 0	4.65380-	1 1.00000-	1 5.00100-	1	306	4 91	1456
2.00000-	1 5.29690-	1 3.00000-	1 5.64870-	1 4.00000-	1 6.01710-	1	306	4 91	1457
5.00000-	1 6.37250-	1 6.00000-	1 6.81240-	1 7.00000-	1 7.17550-	1	306	4 91	1458
8.00000-	1 7.68630-	1 9.00000-	1 8.19660-	1 1.00000+	0 8.64180-	1	306	4 91	1459
0.0 + 0	1.90000+ 7	0	0	0	1	21	306	4 91	1460
	21	2	0	0	0	0	306	4 91	1461
-1.00000+	0 2.54550-	1-9.00000-	1 2.73800-	1-8.00000-	1 2.89920-	1	306	4 91	1462
-7.00000-	1 3.03450-	1-6.00000-	1 3.27830-	1-5.00000-	1 3.45270-	1	306	4 91	1463
-4.00000-	1 3.69090-	1-3.00000-	1 3.91270-	1-2.00000-	1 4.14750-	1	306	4 91	1464
-1.00000-	1 4.42510-	1 0.0 + 0	4.67080-	1 1.00000-	1 5.00010-	1	306	4 91	1465
2.00000-	1 5.30040-	1 3.00000-	1 5.64570-	1 4.00000-	1 6.01490-	1	306	4 91	1466
5.00000-	1 6.36700-	1 6.00000-	1 6.80630-	1 7.00000-	1 7.16710-	1	306	4 91	1467
8.00000-	1 7.67660-	1 9.00000-	1 8.18520-	1 1.00000+	0 8.62820-	1	306	4 91	1468
0.0 + 0	2.00000+ 7	0	0	0	1	21	306	4 91	1469
	21	2	0	0	0	0	306	4 91	1470
-1.00000+	0 2.54790-	1-9.00000-	1 2.74370-	1-8.00000-	1 2.90220-	1	306	4 91	1471
-7.00000-	1 3.03620-	1-6.00000-	1 3.28210-	1-5.00000-	1 3.45440-	1	306	4 91	1472
-4.00000-	1 3.69570-	1-3.00000-	1 3.91420-	1-2.00000-	1 4.15410-	1	306	4 91	1473
-1.00000-	1 4.42600-	1 0.0 + 0	4.67960-	1 1.00000-	1 4.99980-	1	306	4 91	1474
2.00000-	1 5.30340-	1 3.00000-	1 5.64360-	1 4.00000-	1 6.01350-	1	306	4 91	1475
5.00000-	1 6.36280-	1 6.00000-	1 6.80150-	1 7.00000-	1 7.16030-	1	306	4 91	1476
8.00000-	1 7.66860-	1 9.00000-	1 8.17580-	1 1.00000+	0 8.61700-	1	306	4 91	1477
							306	4 0	1478
							306	0 0	1479
3.00600+	3 5.96345+ 0	0	0	0	1	0	306	5 16	1480

.....10.....		.....20.....		.....30.....		.....40.....		.....50.....		.....60.....		MAT	MF	MT	SEQ
0.0	+ 0	0.0	+ 0	0	0	1	0	1	0	1	0	2	306	5	16	1481
	2		2		0		0		0		0	0	306	5	16	1482
6.61394+	6	1.00000+	0	2.00000+	7	1.00000+	0					306	5	16	1483	
0.0	+ 0	0.0	+ 0	0	0	0	0	1	0	15	306	5	16	1484		
	15		2		0		0		0		0	306	5	16	1485	
0.0	+ 0	6.61394+	6	0	0	0	0	0	0	1	306	5	16	1486		
	3		2		0		0		0		0	306	5	16	1487	
0.0	+ 0	0.0	+ 0	6.81990+	4	1.46630-	5	1.36400+	5	0.0	+ 0	306	5	16	1488	
	21		2		0		0		1		21	306	5	16	1489	
0.0	+ 0	0.0	+ 0	4.16170+	4	1.79600-	6	8.32340+	4	2.03940-	6	306	5	16	1491	
1.24850+	5	2.12640-	6	1.66470+	5	2.12830-	6	2.08080+	5	2.05750-	6	306	5	16	1492	
2.49700+	5	1.97690-	6	2.91320+	5	1.86660-	6	3.32940+	5	1.71520-	6	306	5	16	1493	
3.74550+	5	1.51940-	6	4.16170+	5	1.41300-	6	4.57790+	5	1.20380-	6	306	5	16	1494	
4.99400+	5	1.07810-	6	5.41020+	5	8.60770-	7	5.82640+	5	7.45970-	7	306	5	16	1495	
6.24250+	5	5.13310-	7	6.65870+	5	4.32210-	7	7.07490+	5	2.92980-	7	306	5	16	1496	
7.49100+	5	1.51710-	7	7.90720+	5	1.10920-	7	8.32340+	5	0.0	+ 0	306	5	16	1497	
0.0	+ 0	8.00000+	6	0	0	0	0	1	0	21	306	5	16	1498		
	21		2		0		0		0		0	306	5	16	1499	
0.0	+ 0	0.0	+ 0	1.00100+	5	6.80380-	7	2.00200+	5	8.87970-	7	306	5	16	1500	
3.00300+	5	9.82480-	7	4.00410+	5	9.70070-	7	5.00510+	5	9.13820-	7	306	5	16	1501	
6.00610+	5	8.43820-	7	7.00710+	5	7.78500-	7	8.00810+	5	7.02030-	7	306	5	16	1502	
9.00910+	5	6.31390-	7	1.00100+	6	5.56520-	7	1.10110+	6	4.80890-	7	306	5	16	1503	
1.20120+	6	4.08750-	7	1.30130+	6	3.41120-	7	1.40140+	6	2.76000-	7	306	5	16	1504	
1.50150+	6	2.12440-	7	1.60160+	6	1.50240-	7	1.70170+	6	8.96340-	8	306	5	16	1505	
1.80180+	6	6.10490-	8	1.90190+	6	2.27700-	8	2.00200+	6	0.0	+ 0	306	5	16	1506	
0.0	+ 0	9.00000+	6	0	0	0	0	1	0	21	306	5	16	1507		
	21		2		0		0		0		0	306	5	16	1508	
0.0	+ 0	0.0	+ 0	1.53890+	5	3.90330-	7	3.07770+	5	5.19090-	7	306	5	16	1509	
4.61660+	5	5.91860-	7	6.15550+	5	6.26780-	7	7.69430+	5	6.24970-	7	306	5	16	1510	
9.23320+	5	5.78590-	7	1.07720+	6	5.29190-	7	1.23110+	6	4.77210-	7	306	5	16	1511	
1.38500+	6	4.23200-	7	1.53890+	6	3.74160-	7	1.69280+	6	3.19820-	7	306	5	16	1512	
1.84660+	6	2.73270-	7	2.00050+	6	2.27160-	7	2.15440+	6	1.82680-	7	306	5	16	1513	
2.30830+	6	1.40840-	7	2.46220+	6	1.02330-	7	2.61610+	6	6.75830-	8	306	5	16	1514	
2.77000+	6	3.71220-	8	2.92390+	6	1.21210-	8	3.07770+	6	0.0	+ 0	306	5	16	1515	
0.0	+ 0	1.00000+	7	0	0	0	0	1	0	21	306	5	16	1516		
	21		2		0		0		0		0	306	5	16	1517	
0.0	+ 0	0.0	+ 0	2.06210+	5	2.72550-	7	4.12410+	5	3.64860-	7	306	5	16	1518	
6.18620+	5	4.19820-	7	8.24820+	5	4.50750-	7	1.03100+	6	4.61410-	7	306	5	16	1519	
1.23720+	6	4.49250-	7	1.44340+	6	4.09980-	7	1.64960+	6	3.69710-	7	306	5	16	1520	
1.85590+	6	3.28790-	7	2.06210+	6	2.87540-	7	2.26830+	6	2.48260-	7	306	5	16	1521	
2.47450+	6	2.10070-	7	2.68070+	6	1.74560-	7	2.88690+	6	1.38510-	7	306	5	16	1522	
3.09310+	6	1.04300-	7	3.29930+	6	7.54050-	8	3.50550+	6	4.91780-	8	306	5	16	1523	
3.71170+	6	2.63860-	8	3.91790+	6	8.19380-	9	4.12410+	6	0.0	+ 0	306	5	16	1524	
0.0	+ 0	1.10000+	7	0	0	0	0	1	0	21	306	5	16	1525		
	21		2		0		0		0		0	306	5	16	1526	
0.0	+ 0	0.0	+ 0	2.57810+	5	2.08750-	7	5.15620+	5	2.80420-	7	306	5	16	1527	
7.73430+	5	3.24130-	7	1.03120+	6	3.50240-	7	1.28910+	6	3.62080-	7	306	5	16	1528	
1.54690+	6	3.59900-	7	1.80470+	6	3.38250-	7	2.06250+	6	3.02990-	7	306	5	16	1529	
2.32030+	6	2.69580-	7	2.57810+	6	2.35880-	7	2.83590+	6	2.01910-	7	306	5	16	1530	
3.09370+	6	1.72800-	7	3.35150+	6	1.40380-	7	3.60940+	6	1.13780-	7	306	5	16	1531	
3.86720+	6	8.79050-	8	4.12500+	6	6.32550-	8	4.38280+	6	4.00190-	8	306	5	16	1532	
4.64060+	6	2.03880-	8	4.89840+	6	6.16070-	9	5.15620+	6	0.0	+ 0	306	5	16	1533	

.....10.....		.....20.....		.....30.....		.....40.....		.....50.....		.....60.....		MAT	MF	MT	SEQ
0.0	+ 0	1.20000+	7	0	0	0	0	1	1	21	306	5	16	1534	
	21		2	0	0	0	0	0	0	0	306	5	16	1535	
0.0	+ 0	0.0	+ 0	3.09000+	5	1.68720-	7	6.18010+	5	2.27120-	7	306	5	16	1536
9.27010+	5	2.63250-	7	1.23600+	6	2.85520-	7	1.54500+	6	2.96790-	7	306	5	16	1537
1.85400+	6	2.97710-	7	2.16300+	6	2.86400-	7	2.47200+	6	2.57860-	7	306	5	16	1538
2.78100+	6	2.29610-	7	3.09000+	6	2.01150-	7	3.39910+	6	1.72960-	7	306	5	16	1539
3.70810+	6	1.44810-	7	4.01710+	6	1.21110-	7	4.32610+	6	9.51970-	8	306	5	16	1540
4.63510+	6	7.37520-	8	4.94410+	6	5.38330-	8	5.25310+	6	3.54560-	8	306	5	16	1541
5.56210+	6	1.92060-	8	5.87110+	6	5.74570-	9	6.18010+	6	0.0	+ 0	306	5	16	1542
0.0	+ 0	1.30000+	7	0	0	0	0	1	1	21	306	5	16	1543	
	21		2	0	0	0	0	0	0	0	306	5	16	1544	
0.0	+ 0	0.0	+ 0	3.59930+	5	1.41450-	7	7.19870+	5	1.90690-	7	306	5	16	1545
1.07980+	6	2.21440-	7	1.43970+	6	2.40770-	7	1.79970+	6	2.51140-	7	306	5	16	1546
2.15960+	6	2.53300-	7	2.51950+	6	2.46490-	7	2.87950+	6	2.25480-	7	306	5	16	1547
3.23940+	6	2.00600-	7	3.59930+	6	1.75510-	7	3.95930+	6	1.51290-	7	306	5	16	1548
4.31920+	6	1.27790-	7	4.67910+	6	1.04430-	7	5.03910+	6	8.44580-	8	306	5	16	1549
5.39900+	6	6.31820-	8	5.75890+	6	4.63770-	8	6.11890+	6	3.08560-	8	306	5	16	1550
6.47880+	6	1.71370-	8	6.83870+	6	5.93130-	9	7.19870+	6	0.0	+ 0	306	5	16	1551
0.0	+ 0	1.40000+	7	0	0	0	0	1	1	21	306	5	16	1552	
	21		2	0	0	0	0	0	0	0	306	5	16	1553	
0.0	+ 0	0.0	+ 0	4.10680+	5	1.21860-	7	8.21370+	5	1.64450-	7	306	5	16	1554
1.23200+	6	1.91230-	7	1.64270+	6	2.08280-	7	2.05340+	6	2.17790-	7	306	5	16	1555
2.46410+	6	2.20460-	7	2.87480+	6	2.15970-	7	3.28550+	6	2.01060-	7	306	5	16	1556
3.69610+	6	1.77380-	7	4.10680+	6	1.55630-	7	4.51750+	6	1.33990-	7	306	5	16	1557
4.92820+	6	1.12670-	7	5.33890+	6	9.36130-	8	5.74960+	6	7.46180-	8	306	5	16	1558
6.16020+	6	5.73080-	8	6.57090+	6	4.06640-	8	6.98160+	6	2.72000-	8	306	5	16	1559
7.39230+	6	1.52810-	8	7.80300+	6	5.52830-	9	8.21370+	6	0.0	+ 0	306	5	16	1560
0.0	+ 0	1.50000+	7	0	0	0	0	1	1	21	306	5	16	1561	
	21		2	0	0	0	0	0	0	0	306	5	16	1562	
0.0	+ 0	0.0	+ 0	4.61300+	5	1.06930-	7	9.22610+	5	1.44420-	7	306	5	16	1563
1.38390+	6	1.68110-	7	1.84520+	6	1.83340-	7	2.30650+	6	1.92050-	7	306	5	16	1564
2.76780+	6	1.94930-	7	3.22910+	6	1.91820-	7	3.69040+	6	1.80550-	7	306	5	16	1565
4.15170+	6	1.60580-	7	4.61300+	6	1.40450-	7	5.07430+	6	1.20710-	7	306	5	16	1566
5.53560+	6	1.02160-	7	5.99690+	6	8.42550-	8	6.45820+	6	6.65820-	8	306	5	16	1567
6.91950+	6	5.17030-	8	7.38080+	6	3.61330-	8	7.84210+	6	2.42510-	8	306	5	16	1568
8.30340+	6	1.37180-	8	8.76480+	6	5.08370-	9	9.22610+	6	0.0	+ 0	306	5	16	1569
0.0	+ 0	1.60000+	7	0	0	0	0	1	1	21	306	5	16	1570	
	21		2	0	0	0	0	0	0	0	306	5	16	1571	
0.0	+ 0	0.0	+ 0	5.11830+	5	9.53040-	8	1.02370+	6	1.28810-	7	306	5	16	1572
1.53550+	6	1.50050-	7	2.04730+	6	1.63820-	7	2.55910+	6	1.71840-	7	306	5	16	1573
3.07100+	6	1.74760-	7	3.58280+	6	1.72530-	7	4.09460+	6	1.63890-	7	306	5	16	1574
4.60640+	6	1.45630-	7	5.11830+	6	1.27840-	7	5.63010+	6	1.10150-	7	306	5	16	1575
6.14190+	6	9.29820-	8	6.65370+	6	7.63500-	8	7.16560+	6	6.06400-	8	306	5	16	1576
7.67740+	6	4.69180-	8	8.18920+	6	3.32980-	8	8.70100+	6	2.18710-	8	306	5	16	1577
9.21290+	6	1.24300-	8	9.72470+	6	4.67820-	9	1.02370+	7	0.0	+ 0	306	5	16	1578
0.0	+ 0	1.70000+	7	0	0	0	0	1	1	21	306	5	16	1579	
	21		2	0	0	0	0	0	0	0	306	5	16	1580	
0.0	+ 0	0.0	+ 0	5.62280+	5	8.59470-	8	1.12460+	6	1.16220-	7	306	5	16	1581
1.68680+	6	1.35480-	7	2.24910+	6	1.48030-	7	2.81140+	6	1.55450-	7	306	5	16	1582
3.37370+	6	1.58340-	7	3.93590+	6	1.56710-	7	4.49820+	6	1.49680-	7	306	5	16	1583
5.06050+	6	1.34410-	7	5.62280+	6	1.16940-	7	6.18500+	6	1.00840-	7	306	5	16	1584
6.74730+	6	8.50610-	8	7.30960+	6	6.96980-	8	7.87190+	6	5.62360-	8	306	5	16	1585
8.43410+	6	4.28700-	8	8.99640+	6	3.09930-	8	9.55870+	6	1.99050-	8	306	5	16	1586

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
1.01210+ 7	1.13510- 8	1.06830+ 7	4.31900- 9	1.12460+ 7	0.0	+	0	306 5 16	1587
0.0	+ 0 1.80000+ 7	0	0	1				21 306 5 16	1588
	21	2	0	0				0 306 5 16	1589
0.0	+ 0 0.0	+ 0 6.12670+ 5	7.82680- 8	1.22530+ 6	1.05880- 7			306 5 16	1590
1.83800+ 6	1.23490- 7	2.45070+ 6	1.35030- 7	3.06330+ 6	1.41920- 7			306 5 16	1591
3.67600+ 6	1.44740- 7	4.28870+ 6	1.43540- 7	4.90130+ 6	1.37650- 7			306 5 16	1592
5.51400+ 6	1.24150- 7	6.12670+ 6	1.08650- 7	6.73930+ 6	9.28730- 8			306 5 16	1593
7.35200+ 6	7.83050- 8	7.96470+ 6	6.47830- 8	8.57730+ 6	5.20350- 8			306 5 16	1594
9.19000+ 6	3.94370- 8	9.80270+ 6	2.87530- 8	1.04150+ 7	1.82590- 8			306 5 16	1595
1.10280+ 7	1.04390- 8	1.16410+ 7	4.00460- 9	1.22530+ 7	0.0	+	0	306 5 16	1596
0.0	+ 0 1.90000+ 7	0	0	0				21 306 5 16	1597
	21	2	0	0				0 306 5 16	1598
0.0	+ 0 0.0	+ 0 6.63010+ 5	7.18020- 8	1.32600+ 6	9.71720- 8			306 5 16	1599
1.98900+ 6	1.13380- 7	2.65210+ 6	1.24040- 7	3.31510+ 6	1.30470- 7			306 5 16	1600
3.97810+ 6	1.33210- 7	4.64110+ 6	1.32310- 7	5.30410+ 6	1.27270- 7			306 5 16	1601
5.96710+ 6	1.15110- 7	6.63010+ 6	1.01070- 7	7.29310+ 6	8.69190- 8			306 5 16	1602
7.95620+ 6	7.32710- 8	8.61920+ 6	6.05000- 8	9.28220+ 6	4.83000- 8			306 5 16	1603
9.94520+ 6	3.64740- 8	1.06080+ 7	2.67360- 8	1.12710+ 7	1.68510- 8			306 5 16	1604
1.19340+ 7	9.65390- 9	1.25970+ 7	3.72690- 9	1.32600+ 7	0.0	+	0	306 5 16	1605
0.0	+ 0 2.00000+ 7	0	0	1				21 306 5 16	1606
	21	2	0	0				0 306 5 16	1607
0.0	+ 0 0.0	+ 0 7.13320+ 5	6.63360- 8	1.42660+ 6	8.98020- 8			306 5 16	1608
2.14000+ 6	1.04820- 7	2.85330+ 6	1.14730- 7	3.56660+ 6	1.20760- 7			306 5 16	1609
4.27990+ 6	1.23400- 7	4.99330+ 6	1.22730- 7	5.70660+ 6	1.18340- 7			306 5 16	1610
6.41990+ 6	1.08100- 7	7.13320+ 6	9.43330- 8	7.84650+ 6	8.13130- 8			306 5 16	1611
8.55990+ 6	6.86360- 8	9.27320+ 6	5.65640- 8	9.98650+ 6	4.50380- 8			306 5 16	1612
1.07000+ 7	3.39230- 8	1.14130+ 7	2.49620- 8	1.21260+ 7	1.56460- 8			306 5 16	1613
1.28400+ 7	8.97830- 9	1.35530+ 7	3.48370- 9	1.42660+ 7	0.0	+	0	306 5 16	1614
								306 5 0	1615
3.00600+ 3	5.96345+ 0	0	0	1				0 306 5 91	1616
0.0	+ 0 0.0	+ 0 0	0	1				2 306 5 91	1617
	2	2	0	0				0 306 5 91	1618
1.72057+ 6	1.00000+ 0	2.00000+ 7	1.00000+ 0	0				306 5 91	1619
0.0	+ 0 0.0	+ 0 0	0	0				20 306 5 91	1620
	20	2	0	0				0 306 5 91	1621
0.0	+ 0 1.72057+ 6	0	0	1				3 306 5 91	1622
	3	2	0	0				0 306 5 91	1623
0.0	+ 0 0.0	+ 0 1.77420+ 4	5.63650- 5	3.54830+ 4	0.0	+	0	306 5 91	1624
0.0	+ 0 2.00000+ 6	0	0	1				21 306 5 91	1625
	21	2	0	0				0 306 5 91	1626
0.0	+ 0 0.0	+ 0 2.15070+ 4	3.36540- 6	4.30140+ 4	4.31810- 6			306 5 91	1627
6.45210+ 4	4.58440- 6	8.60280+ 4	4.40140- 6	1.07540+ 5	4.15950- 6			306 5 91	1628
1.29040+ 5	3.87580- 6	1.50550+ 5	3.53900- 6	1.72060+ 5	3.23750- 6			306 5 91	1629
1.93560+ 5	2.90990- 6	2.15070+ 5	2.57380- 6	2.36580+ 5	2.23940- 6			306 5 91	1630
2.58090+ 5	1.90780- 6	2.79590+ 5	1.57530- 6	3.01100+ 5	1.23900- 6			306 5 91	1631
3.22610+ 5	9.86030- 7	3.44110+ 5	7.30070- 7	3.65620+ 5	4.50230- 7			306 5 91	1632
3.87130+ 5	2.84630- 7	4.08640+ 5	1.18920- 7	4.30140+ 5	0.0	+	0	306 5 91	1633
0.0	+ 0 3.00000+ 6	0	0	1				21 306 5 91	1634
	21	2	0	0				0 306 5 91	1635
0.0	+ 0 0.0	+ 0 7.41210+ 4	7.11960- 7	1.48240+ 5	9.57580- 7			306 5 91	1636
2.22360+ 5	1.10860- 6	2.96480+ 5	1.20060- 6	3.70600+ 5	1.24520- 6			306 5 91	1637
4.44720+ 5	1.24460- 6	5.18840+ 5	1.18310- 6	5.92970+ 5	1.06830- 6			306 5 91	1638
6.67090+ 5	9.48340- 7	7.41210+ 5	8.30900- 7	8.15330+ 5	7.17100- 7			306 5 91	1639

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
8.89450+ 5	6.03010- 7	9.63570+ 5	5.01080- 7	1.03770+ 6	3.95520- 7	306	5	91	1640	
1.11180+ 6	3.07310- 7	1.18590+ 6	2.23540- 7	1.26010+ 6	1.46230- 7	306	5	91	1641	
1.33420+ 6	7.76480- 8	1.40830+ 6	2.09820- 8	1.48240+ 6	0.0 + 0	306	5	91	1642	
0.0 + 0	4.00000+ 6	0	0	0	1	21	306	5	91	1643
	21	2	0	0	0	0	306	5	91	1644
0.0 + 0	0.0 + 0	1.24870+ 5	3.93060- 7	2.49750+ 5	5.31040- 7	306	5	91	1645	
3.74620+ 5	6.18330- 7	4.99500+ 5	6.74670- 7	6.24370+ 5	7.07120- 7	306	5	91	1646	
7.49250+ 5	7.18310- 7	8.74120+ 5	7.07810- 7	9.99000+ 5	6.69080- 7	306	5	91	1647	
1.12390+ 6	5.94770- 7	1.24870+ 6	5.21290- 7	1.37360+ 6	4.48790- 7	306	5	91	1648	
1.49850+ 6	3.79310- 7	1.62340+ 6	3.12220- 7	1.74820+ 6	2.46320- 7	306	5	91	1649	
1.87310+ 6	1.91900- 7	1.99800+ 6	1.33640- 7	2.12290+ 6	8.99060- 8	306	5	91	1650	
2.24770+ 6	5.11250- 8	2.37260+ 6	1.93620- 8	2.49750+ 6	0.0 + 0	306	5	91	1651	
0.0 + 0	5.00000+ 6	0	0	0	1	21	306	5	91	1652
	21	2	0	0	0	0	306	5	91	1653
0.0 + 0	0.0 + 0	1.75250+ 5	2.71140- 7	3.50500+ 5	3.66980- 7	306	5	91	1654	
5.25760+ 5	4.28230- 7	7.01010+ 5	4.68560- 7	8.76260+ 5	4.92940- 7	306	5	91	1655	
1.05150+ 6	5.03380- 7	1.22680+ 6	5.00170- 7	1.40200+ 6	4.81430- 7	306	5	91	1656	
1.57730+ 6	4.35700- 7	1.75250+ 6	3.82770- 7	1.92780+ 6	3.29500- 7	306	5	91	1657	
2.10300+ 6	2.77970- 7	2.27830+ 6	2.29430- 7	2.45350+ 6	1.83080- 7	306	5	91	1658	
2.62880+ 6	1.38210- 7	2.80400+ 6	1.01540- 7	2.97930+ 6	6.39240- 8	306	5	91	1659	
3.15450+ 6	3.67380- 8	3.32980+ 6	1.43640- 8	3.50500+ 6	0.0 + 0	306	5	91	1660	
0.0 + 0	6.00000+ 6	0	0	0	1	21	306	5	91	1661
	21	2	0	0	0	0	306	5	91	1662
0.0 + 0	0.0 + 0	2.25480+ 5	2.06860- 7	4.50970+ 5	2.80240- 7	306	5	91	1663	
6.76450+ 5	3.27400- 7	9.01930+ 5	3.58760- 7	1.12740+ 6	3.78150- 7	306	5	91	1664	
1.35290+ 6	3.87190- 7	1.57840+ 6	3.86260- 7	1.80390+ 6	3.74420- 7	306	5	91	1665	
2.02930+ 6	3.46100- 7	2.25480+ 6	3.03380- 7	2.48030+ 6	2.59810- 7	306	5	91	1666	
2.70580+ 6	2.19640- 7	2.93130+ 6	1.80770- 7	3.15680+ 6	1.43430- 7	306	5	91	1667	
3.38220+ 6	1.11020- 7	3.60770+ 6	7.97910- 8	3.83320+ 6	5.18170- 8	306	5	91	1668	
4.05870+ 6	2.85810- 8	4.28420+ 6	1.13240- 8	4.50970+ 6	0.0 + 0	306	5	91	1669	
0.0 + 0	7.00000+ 6	0	0	0	1	21	306	5	91	1670
	21	2	0	0	0	0	306	5	91	1671
0.0 + 0	0.0 + 0	2.75640+ 5	1.67110- 7	5.51280+ 5	2.26530- 7	306	5	91	1672	
8.26920+ 5	2.64840- 7	1.10260+ 6	2.90480- 7	1.37820+ 6	3.06540- 7	306	5	91	1673	
1.65380+ 6	3.14370- 7	1.92950+ 6	3.14350- 7	2.20510+ 6	3.05910- 7	306	5	91	1674	
2.48080+ 6	2.86210- 7	2.75640+ 6	2.50870- 7	3.03210+ 6	2.16280- 7	306	5	91	1675	
3.30770+ 6	1.81790- 7	3.58330+ 6	1.49010- 7	3.85900+ 6	1.19870- 7	306	5	91	1676	
4.13460+ 6	9.20400- 8	4.41030+ 6	6.55180- 8	4.68590+ 6	4.35000- 8	306	5	91	1677	
4.96150+ 6	2.33570- 8	5.23720+ 6	9.32240- 9	5.51280+ 6	0.0 + 0	306	5	91	1678	
0.0 + 0	8.00000+ 6	0	0	0	1	21	306	5	91	1679
	21	2	0	0	0	0	306	5	91	1680
0.0 + 0	0.0 + 0	3.25760+ 5	1.40150- 7	6.51520+ 5	1.90050- 7	306	5	91	1681	
9.77270+ 5	2.22310- 7	1.30300+ 6	2.43980- 7	1.62880+ 6	2.57680- 7	306	5	91	1682	
1.95450+ 6	2.64550- 7	2.28030+ 6	2.64940- 7	2.60610+ 6	2.58470- 7	306	5	91	1683	
2.93180+ 6	2.43280- 7	3.25760+ 6	2.14400- 7	3.58330+ 6	1.84430- 7	306	5	91	1684	
3.90910+ 6	1.55850- 7	4.23480+ 6	1.28370- 7	4.56060+ 6	1.02570- 7	306	5	91	1685	
4.88640+ 6	7.83520- 8	5.21210+ 6	5.55250- 8	5.53790+ 6	3.72190- 8	306	5	91	1686	
5.86360- 6	1.97390- 8	6.18940+ 6	7.91530- 9	6.51520+ 6	0.0 + 0	306	5	91	1687	
0.0 + 0	9.00000+ 6	0	0	0	1	21	306	5	91	1688
	21	2	0	0	0	0	306	5	91	1689
0.0 + 0	0.0 + 0	3.75850+ 5	1.20760- 7	7.51700+ 5	1.63800- 7	306	5	91	1690	
1.12750+ 6	1.91680- 7	1.50340+ 6	2.10450- 7	1.87920+ 6	2.22400- 7	306	5	91	1691	
2.25510+ 6	2.28510- 7	2.63090+ 6	2.29090- 7	3.00680+ 6	2.23890- 7	306	5	91	1692	

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
3.38260+ 6	2.11520- 7	3.75850+ 6	1.87590- 7	4.13430+ 6	1.60620- 7	306	5	91	1693	
4.51020+ 6	1.35950- 7	4.88600+ 6	1.12080- 7	5.26190+ 6	8.94630- 8	306	5	91	1694	
5.63770+ 6	6.81910- 8	6.01360+ 6	4.81940- 8	6.38940+ 6	3.24870- 8	306	5	91	1695	
6.76530+ 6	1.71000- 8	7.14110+ 6	6.87940- 9	7.51700+ 6	0.0 + 0	306	5	91	1696	
0.0 + 0	1.00000+ 7	0	0	0	1	21	306	5	91	1697
	21	2	0	0	0	0	306	5	91	1698
0.0 + 0	0.0 + 0	4.25920+ 5	1.06100- 7	8.51840+ 5	1.43950- 7	306	5	91	1699	
1.27780+ 6	1.68490- 7	1.70370+ 6	1.85060- 7	2.12960+ 6	1.95650- 7	306	5	91	1700	
2.55550+ 6	2.01140- 7	2.98140+ 6	2.01830- 7	3.40740+ 6	1.97500- 7	306	5	91	1701	
3.83330+ 6	1.87070- 7	4.25920+ 6	1.66410- 7	4.68510+ 6	1.42560- 7	306	5	91	1702	
5.11100+ 6	1.20470- 7	5.53700+ 6	9.93700- 8	5.96290+ 6	7.92820- 8	306	5	91	1703	
6.38880+ 6	6.03510- 8	6.81470+ 6	4.26260- 8	7.24070+ 6	2.88080- 8	306	5	91	1704	
7.66660+ 6	1.50860- 8	8.09250+ 6	6.08350- 9	8.51840+ 6	0.0 + 0	306	5	91	1705	
0.0 + 0	1.10000+ 7	0	0	0	1	21	306	5	91	1706
	21	2	0	0	0	0	306	5	91	1707
0.0 + 0	0.0 + 0	4.75980+ 5	9.45590- 8	9.51960+ 5	1.28320- 7	306	5	91	1708	
1.42790+ 6	1.50230- 7	1.90390+ 6	1.65050- 7	2.37990+ 6	1.74550- 7	306	5	91	1709	
2.85590+ 6	1.79530- 7	3.33190+ 6	1.80250- 7	3.80780+ 6	1.76570- 7	306	5	91	1710	
4.28380+ 6	1.67570- 7	4.75980+ 6	1.49360- 7	5.23580+ 6	1.28690- 7	306	5	91	1711	
5.71180+ 6	1.08060- 7	6.18780+ 6	8.91580- 8	6.66370+ 6	7.11140- 8	306	5	91	1712	
7.13970+ 6	5.40850- 8	7.61570+ 6	3.90410- 8	8.09170+ 6	2.58530- 8	306	5	91	1713	
8.56770+ 6	1.34880- 8	9.04360+ 6	5.44910- 9	9.51960+ 6	0.0 + 0	306	5	91	1714	
0.0 + 0	1.20000+ 7	0	0	0	1	21	306	5	91	1715
	21	2	0	0	0	0	306	5	91	1716
0.0 + 0	0.0 + 0	5.26030+ 5	8.53200- 8	1.05210+ 6	1.15800- 7	306	5	91	1717	
1.57810+ 6	1.35600- 7	2.10410+ 6	1.49000- 7	2.63020+ 6	1.57630- 7	306	5	91	1718	
3.15620+ 6	1.62180- 7	3.68220+ 6	1.62920- 7	4.20830+ 6	1.59710- 7	306	5	91	1719	
4.73430+ 6	1.51800- 7	5.26030+ 6	1.35500- 7	5.78640+ 6	1.16990- 7	306	5	91	1720	
6.31240+ 6	9.79890- 8	6.83840+ 6	8.08660- 8	7.36450+ 6	6.44880- 8	306	5	91	1721	
7.89050+ 6	4.90140- 8	8.41650+ 6	3.56330- 8	8.94260+ 6	2.34530- 8	306	5	91	1722	
9.46860+ 6	1.22010- 8	9.99460+ 6	4.93620- 9	1.05210+ 7	0.0 + 0	306	5	91	1723	
0.0 + 0	1.30000+ 7	0	0	0	1	21	306	5	91	1724
	21	2	0	0	0	0	306	5	91	1725
0.0 + 0	0.0 + 0	5.76080+ 5	7.77040- 8	1.15220+ 6	1.05480- 7	306	5	91	1726	
1.72820+ 6	1.23520- 7	2.30430+ 6	1.35760- 7	2.88040+ 6	1.43650- 7	306	5	91	1727	
3.45650+ 6	1.47850- 7	4.03250+ 6	1.48580- 7	4.60860+ 6	1.45750- 7	306	5	91	1728	
5.18470+ 6	1.38690- 7	5.76080+ 6	1.24330- 7	6.33690+ 6	1.07150- 7	306	5	91	1729	
6.91290+ 6	8.98850- 8	7.48900+ 6	7.39540- 8	8.06510+ 6	5.89680- 8	306	5	91	1730	
8.64120+ 6	4.47960- 8	9.21720+ 6	3.27130- 8	9.79330+ 6	2.14520- 8	306	5	91	1731	
1.03690+ 7	1.11350- 8	1.09450+ 7	4.51020- 9	1.15220+ 7	0.0 + 0	306	5	91	1732	
0.0 + 0	1.40000+ 7	0	0	0	1	21	306	5	91	1733
	21	2	0	0	0	0	306	5	91	1734
0.0 + 0	0.0 + 0	6.26120+ 5	7.13250- 8	1.25220+ 6	9.68270- 8	306	5	91	1735	
1.87840+ 6	1.13410- 7	2.50450+ 6	1.24660- 7	3.13060+ 6	1.31930- 7	306	5	91	1736	
3.75670+ 6	1.35820- 7	4.38280+ 6	1.36540- 7	5.00890+ 6	1.34010- 7	306	5	91	1737	
5.63510+ 6	1.27650- 7	6.26120+ 6	1.14930- 7	6.88730+ 6	9.87960- 8	306	5	91	1738	
7.51340+ 6	8.32220- 8	8.13950+ 6	6.81160- 8	8.76570+ 6	5.43060- 8	306	5	91	1739	
9.39180+ 6	4.12380- 8	1.00180+ 7	3.02120- 8	1.06440+ 7	1.97620- 8	306	5	91	1740	
1.12700+ 7	1.02390- 8	1.18960+ 7	4.15110- 9	1.25220+ 7	0.0 + 0	306	5	91	1741	
0.0 + 0	1.50000+ 7	0	0	0	1	21	306	5	91	1742
	21	2	0	0	0	0	306	5	91	1743
0.0 + 0	0.0 + 0	6.76150+ 5	6.59280- 8	1.35230+ 6	8.95080- 8	306	5	91	1744	
2.02850+ 6	1.04850- 7	2.70460+ 6	1.15270- 7	3.38080+ 6	1.22010- 7	306	5	91	1745	

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
4.05690+	6 1.25630-	7 4.73310+	6 1.26330-	7 5.40920+	6 1.24050-	7	306	5 91	1746
6.08540+	6 1.18260-	7 6.76150+	6 1.06740-	7 7.43770+	6 9.16550-	8	306	5 91	1747
8.11380+	6 7.73420-	8 8.79000+	6 6.31410-	8 9.46620+	6 5.03360-	8	306	5 91	1748
1.01420+	7 3.82110-	8 1.08180+	7 2.80630-	8 1.14950+	7 1.83210-	8	306	5 91	1749
1.21710+	7 9.47770-	9 1.28470+	7 3.84580-	9 1.35230+	7 0.0	+	0	306	5 91 1750
0.0	+ 0 1.60000+	7	0	0	1		21	306	5 91 1751
	21	2	0	0	0		0	306	5 91 1752
0.0	+ 0 0.0	+ 0 7.26190+	5 6.12780-	8 1.45240+	6 8.32010-	8	306	5 91	1753
2.17860+	6 9.74670-	8 2.90470+	6 1.07160-	7 3.63090+	6 1.13450-	7	306	5 91	1754
4.35710+	6 1.16840-	7 5.08330+	6 1.17520-	7 5.80950+	6 1.15440-	7	306	5 91	1755
6.53570+	6 1.10130-	7 7.26190+	6 9.95950-	8 7.98800+	6 8.54510-	8	306	5 91	1756
8.71420+	6 7.21880-	8 9.44040+	6 5.88300-	8 1.01670+	7 4.68950-	8	306	5 91	1757
1.08930+	7 3.59580-	8 1.16190+	7 2.61890-	8 1.23450+	7 1.70720-	8	306	5 91	1758
1.30710+	7 8.82020-	9 1.37980+	7 3.58150-	9 1.45240+	7 0.0	+	0	306	5 91 1759
0.0	+ 0 1.70000+	7	0	0	1		21	306	5 91 1760
	21	2	0	0	0		0	306	5 91 1761
0.0	+ 0 0.0	+ 0 7.76220+	5 5.72320-	8 1.55240+	6 7.77120-	8	306	5 91	1762
2.32860+	6 9.10440-	8 3.10490+	6 1.00110-	7 3.88110+	6 1.05990-	7	306	5 91	1763
4.65730+	6 1.09180-	7 5.43350+	6 1.09840-	7 6.20970+	6 1.07930-	7	306	5 91	1764
6.98590+	6 1.03020-	7 7.76220+	6 9.33130-	8 8.53840+	6 8.00160-	8	306	5 91	1765
9.31460+	6 6.76520-	8 1.00910+	7 5.54380-	8 1.08670+	7 4.38870-	8	306	5 91	1766
1.16430+	7 3.38080-	8 1.24190+	7 2.45430-	8 1.31960+	7 1.59790-	8	306	5 91	1767
1.39720+	7 8.24680-	9 1.47480+	7 3.35060-	9 1.55240+	7 0.0	+	0	306	5 91 1768
0.0	+ 0 1.80000+	7	0	0	1		21	306	5 91 1769
	21	2	0	0	0		0	306	5 91 1770
0.0	+ 0 0.0	+ 0 8.26240+	5 5.36910-	8 1.65250+	6 7.29080-	8	306	5 91	1771
2.47870+	6 8.54210-	8 3.30500+	6 9.39370-	8 4.13120+	6 9.94670-	8	306	5 91	1772
4.95750+	6 1.02470-	7 5.78370+	6 1.03110-	7 6.60990+	6 1.01350-	7	306	5 91	1773
7.13620+	6 9.67890-	8 8.26240+	6 8.77730-	8 9.08870+	6 7.52340-	8	306	5 91	1774
9.91490+	6 6.36480-	8 1.07410+	7 5.22550-	8 1.15670+	7 4.13800-	8	306	5 91	1775
1.23940+	7 3.18690-	8 1.32200+	7 2.30910-	8 1.40460+	7 1.50190-	8	306	5 91	1776
1.48720+	7 7.74390-	9 1.56990+	7 3.14800-	9 1.65250+	7 0.0	+	0	306	5 91 1777
0.0	+ 0 1.90000+	7	0	0	1		21	306	5 91 1778
	21	2	0	0	0		0	306	5 91 1779
0.0	+ 0 0.0	+ 0 8.76270+	5 5.05600-	8 1.75250+	6 6.86600-	8	306	5 91	1780
2.62880+	6 8.04500-	8 3.50510+	6 8.84760-	8 4.38130+	6 9.36940-	8	306	5 91	1781
5.25760+	6 9.65330-	8 6.13390+	6 9.71550-	8 7.01010+	6 9.55160-	8	306	5 91	1782
7.88640+	6 9.12620-	8 8.76270+	6 8.28460-	8 9.63900+	6 7.09860-	8	306	5 91	1783
1.05150+	7 6.00840-	8 1.13910+	7 4.93850-	8 1.22680+	7 3.92370-	8	306	5 91	1784
1.31440+	7 3.01250-	8 1.40200+	7 2.17990-	8 1.48970+	7 1.41670-	8	306	5 91	1785
1.57730+	7 7.29860-	9 1.66490+	7 2.96840-	9 1.75250+	7 0.0	+	0	306	5 91 1786
0.0	+ 0 2.00000+	7	0	0	1		21	306	5 91 1787
	21	2	0	0	0		0	306	5 91 1788
0.0	+ 0 0.0	+ 0 9.26290+	5 4.77800-	8 1.85260+	6 6.48870-	8	306	5 91	1789
2.77890+	6 7.60330-	8 3.70520+	6 8.36240-	8 4.63150+	6 8.85630-	8	306	5 91	1790
5.55780+	6 9.12560-	8 6.48410+	6 9.18580-	8 7.41030+	6 9.03280-	8	306	5 91	1791
8.33660+	6 8.63400-	8 9.26290+	6 7.84470-	8 1.01890+	7 6.71980-	8	306	5 91	1792
1.11160+	7 5.69010-	8 1.20420+	7 4.68050-	8 1.29680+	7 3.72330-	8	306	5 91	1793
1.38940+	7 2.85570-	8 1.48210+	7 2.06460-	8 1.57470+	7 1.34080-	8	306	5 91	1794
1.66730+	7 6.90240-	9 1.76000+	7 2.80830-	9 1.85260+	7 0.0	+	0	306	5 91 1795
								306	5 0 1796
								306	0 0 1797
3.00600+	3 5.96345+	0	1	0	1		0	30612	52 1798

.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....	MAT	MF	MT	SEQ
3.56200+ 6	3.56200+ 6	0	2	1	2	30612	52	1799	
2	2	0	0	0	0	0	30612	52	1800
4.15931+ 6	1.00000+ 0	2.00000+ 7	1.00000+ 0				30612	52	1801
							30612	0	1802
3.00600+ 3	5.96345+ 0	1	0	3	0	30612102			1803
0.0 + 0	0.0 + 0	0	0	1	2	30612102			1804
2	2	0	0	0	0	30612102			1805
1.00000- 5	1.39000+ 0	2.00000+ 7	1.39000+ 0				30612102		1806
7.25053+ 6	0.0 + 0	2	2	1	2	30612102			1807
2	2	0	0	0	0	30612102			1808
1.00000- 5	6.10000- 1	2.00000+ 7	6.10000- 1				30612102		1809
6.77292+ 6	0.0 + 0	2	2	1	2	30612102			1810
2	2	0	0	0	0	30612102			1811
1.00000- 5	3.90000- 1	2.00000+ 7	3.90000- 1				30612102		1812
4.77610+ 5	4.77610+ 5	1	2	1	2	30612102			1813
2	2	0	0	0	0	30612102			1814
1.00000- 5	3.90000- 1	2.00000+ 7	3.90000- 1				30612102		1815
							30612	0	1816
							306	0	1817
3.00600+ 3	5.96345+ 0	1	0	1	0	30614	52		1818
							30614	0	1819
3.00600+ 3	5.96345+ 0	1	0	3	0	30614102			1820
							30614	0	1821
							306	0	1822
							0	0	1823
							-1	0	0