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

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Evaluation of Neutron Nuclear Data of ^6Li for JENDL-3

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Neutron nuclear data of ^6Li 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 ~ 20 MeV

JENDL-3 のための ^6Li の中性子核データの評価

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(1984年10月13日受理)

JENDL-3 のために ^6Li 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 本の離散単位を考慮した。 $(n, 2n)$ 反応および連続単位への非弾性散乱の 2 重微分断面積は位相空間模型により計算した。

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1. Introduction

Neutron nuclear data of ^6Li are important for fusion neutronics calculations. In particular the $^6\text{Li}(\text{n},\alpha)\text{t}$ reaction cross section as well as the $^7\text{Li}(\text{n},\text{n}')\text{at}$ reaction cross section controls the tritium-production rate in fusion blankets. The $^6\text{Li}(\text{n},\alpha)$ reaction cross section is also used as the standard. Although the data of ^6Li 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 ^6Li 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 ^6Li 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	11.304 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

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

excited level of ${}^6\text{Li}^*$, which decays through the process ${}^6\text{Li}^* + \alpha + d$, are not included, because the contribution is included in the (n, n') ad 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 Besotosnyj 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') αd 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') αd 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
ENDF/B-IV	3.5130 barns at 240 keV.

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

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

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

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.,

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

The three-body phase-space factor is given by

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

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 ^6Li 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 ^6Li together with ^7Li , ^{12}C , ^{16}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.

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

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Table 1 R-matrix parameters used in the n + ${}^6\text{Li}$ 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	$\gamma_{\lambda \alpha}^{J\pi}$
$(s = 1/2)$							$(s = 3/2)$	
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

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

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.

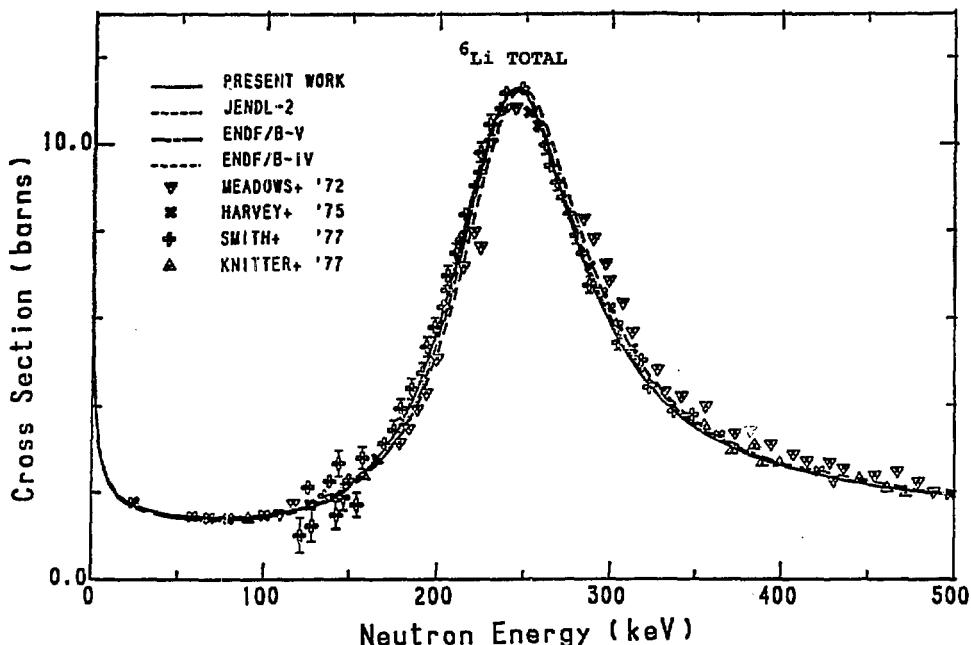


Fig. 1 Measured and evaluated total cross sections below 500 keV.

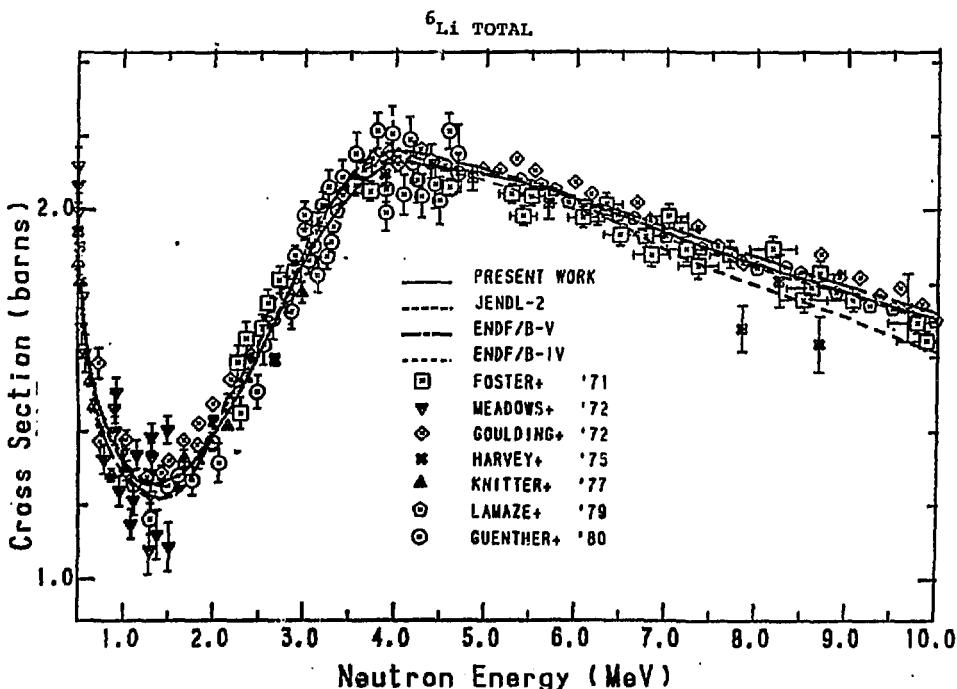


Fig. 2 Measured and evaluated total cross sections from 0.5 to 10 MeV.

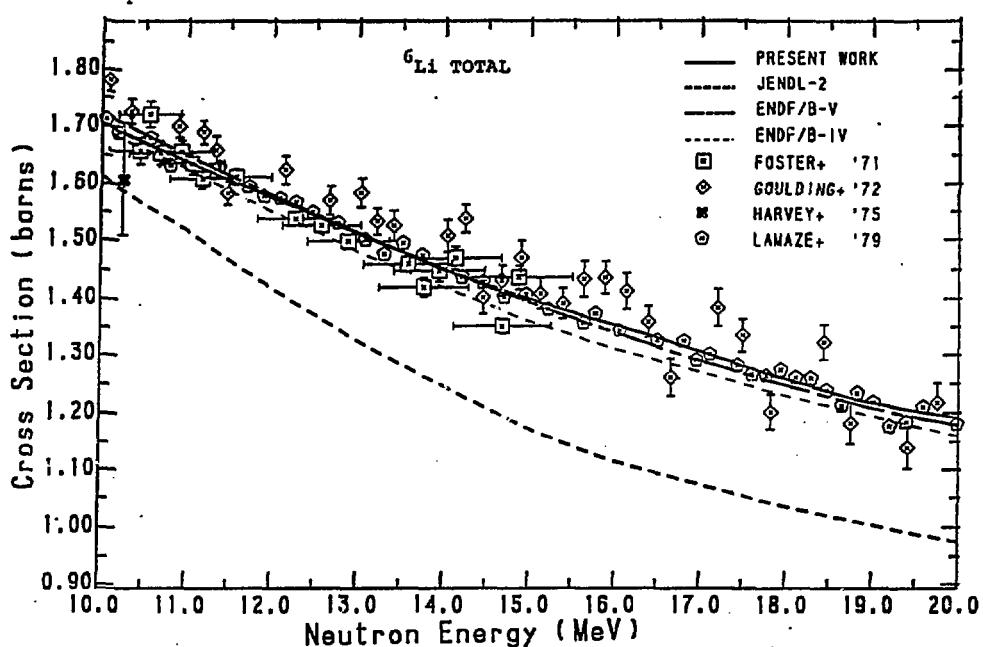


Fig. 3 Measured and evaluated total cross sections above 10 MeV.

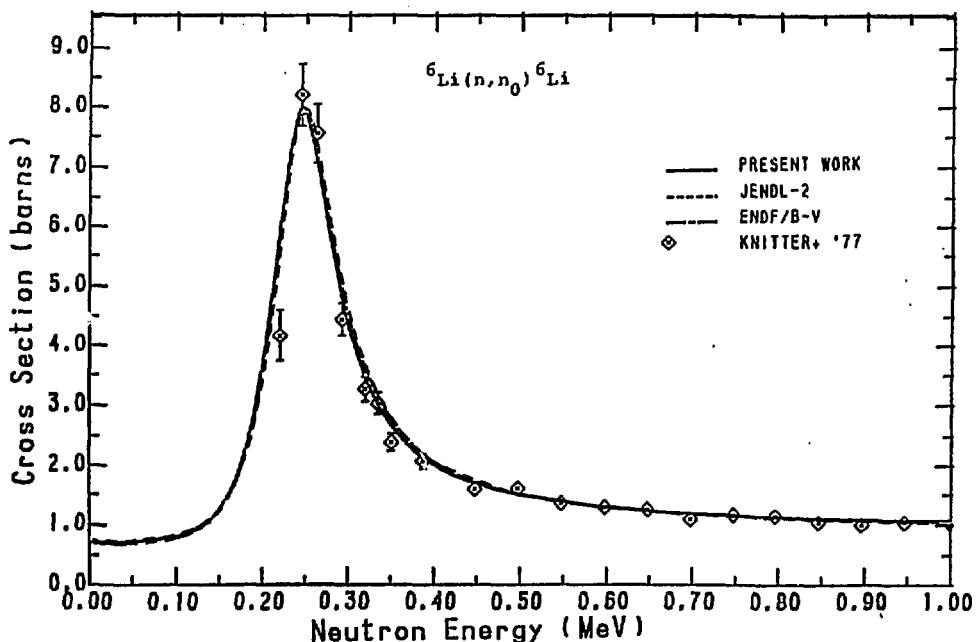


Fig. 4 Measured and evaluated elastic scattering cross sections below 1 MeV.

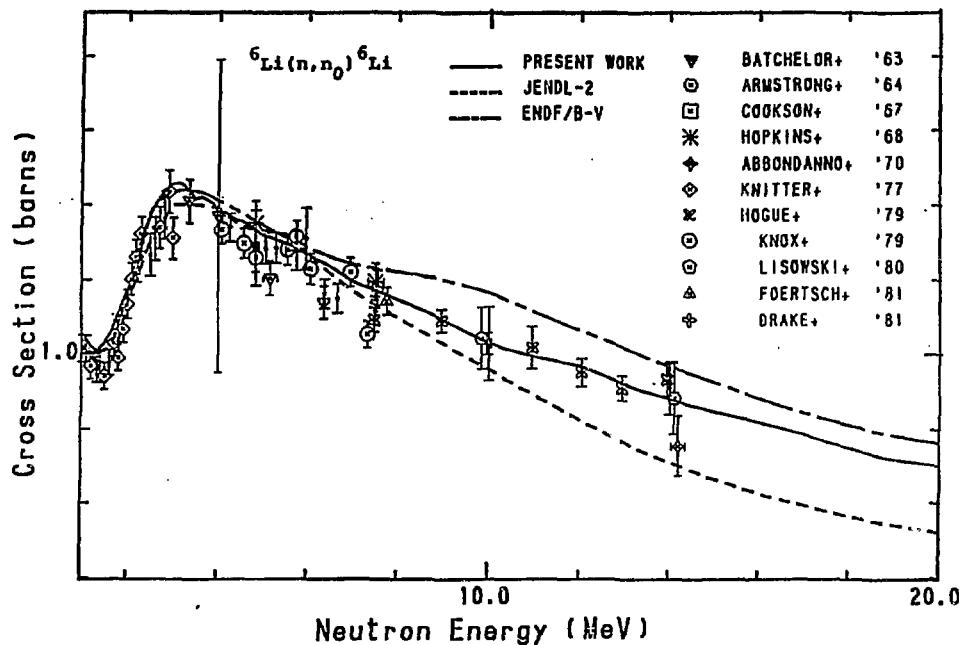


Fig. 5 Measured and evaluated elastic scattering cross sections above 1 MeV.

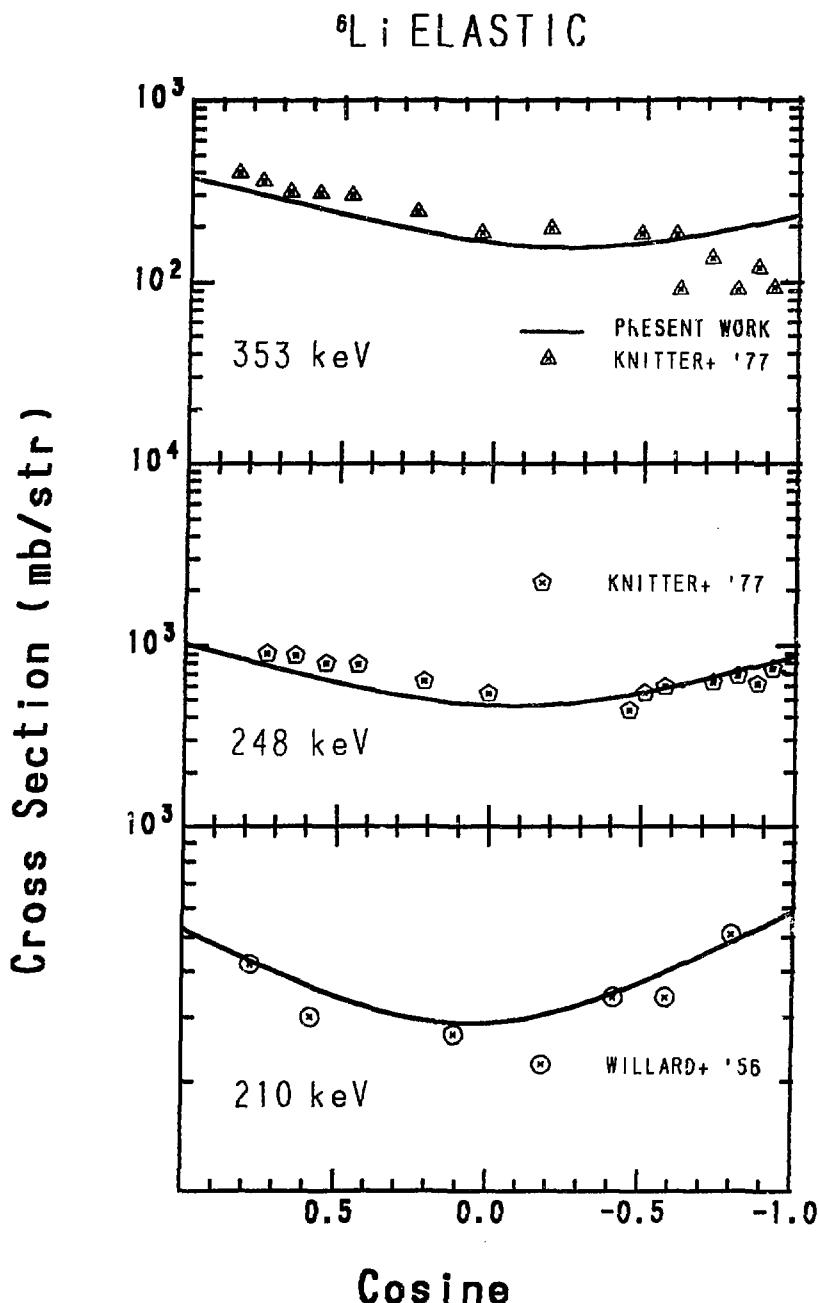
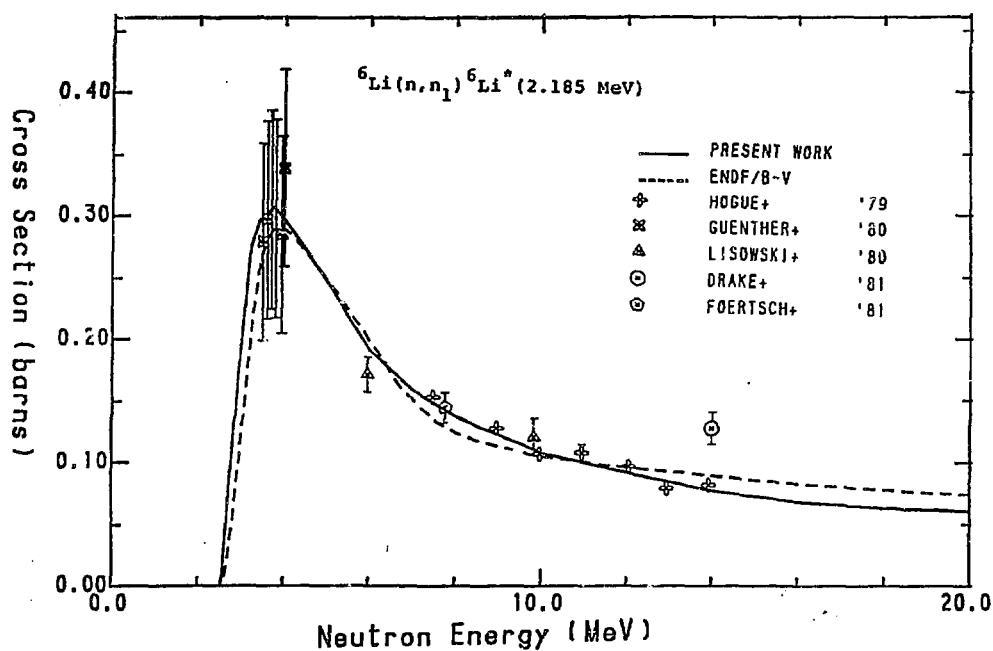
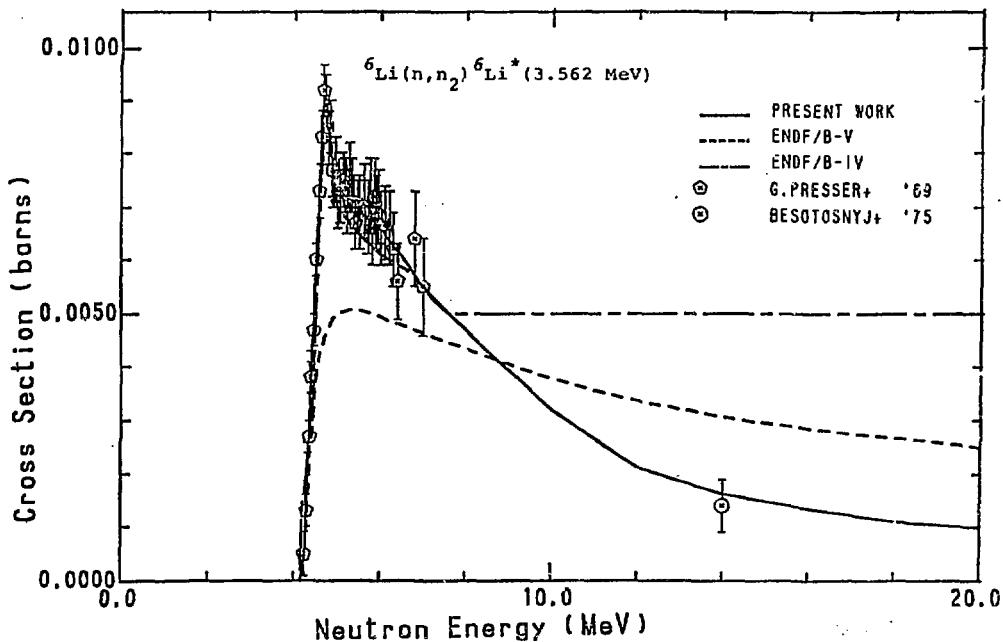


Fig. 6 Measured and evaluated elastic angular distributions.

Fig. 7 Measured and evaluated (n, n_1) cross sections.Fig. 8 Measured and evaluated (n, n_2) cross sections.

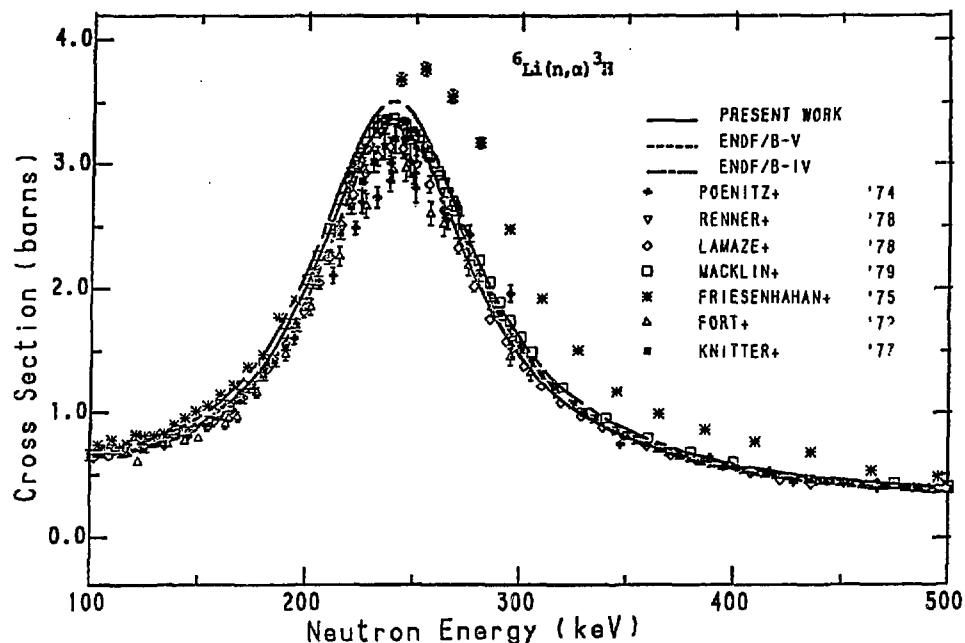


Fig. 9 Measured and evaluated (n,α) cross sections around the $P_{1/2}$ resonance.

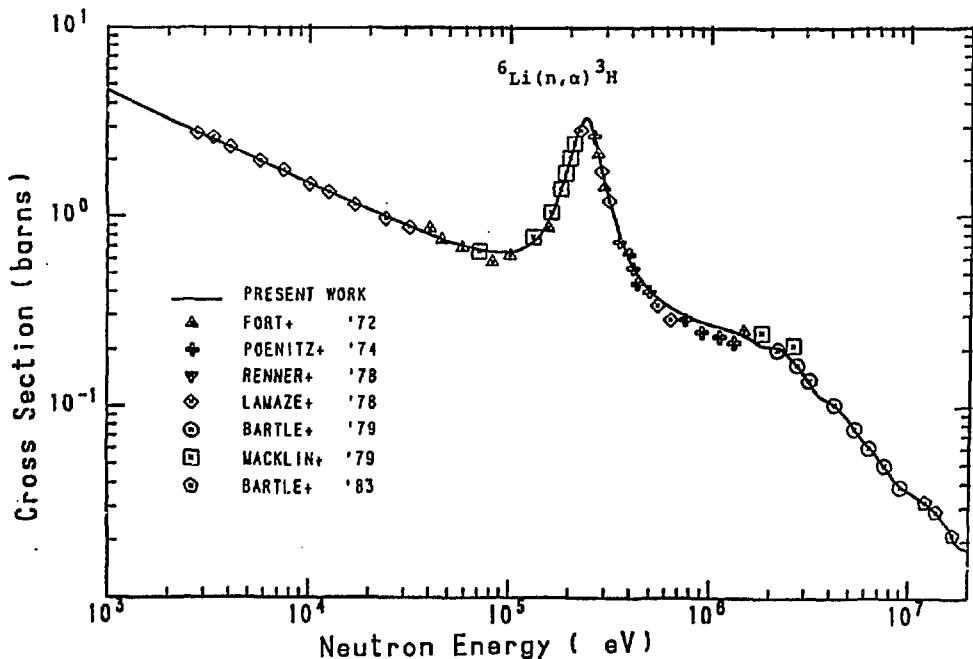


Fig. 10 Measured and evaluated (n,α) cross sections above 1 keV.

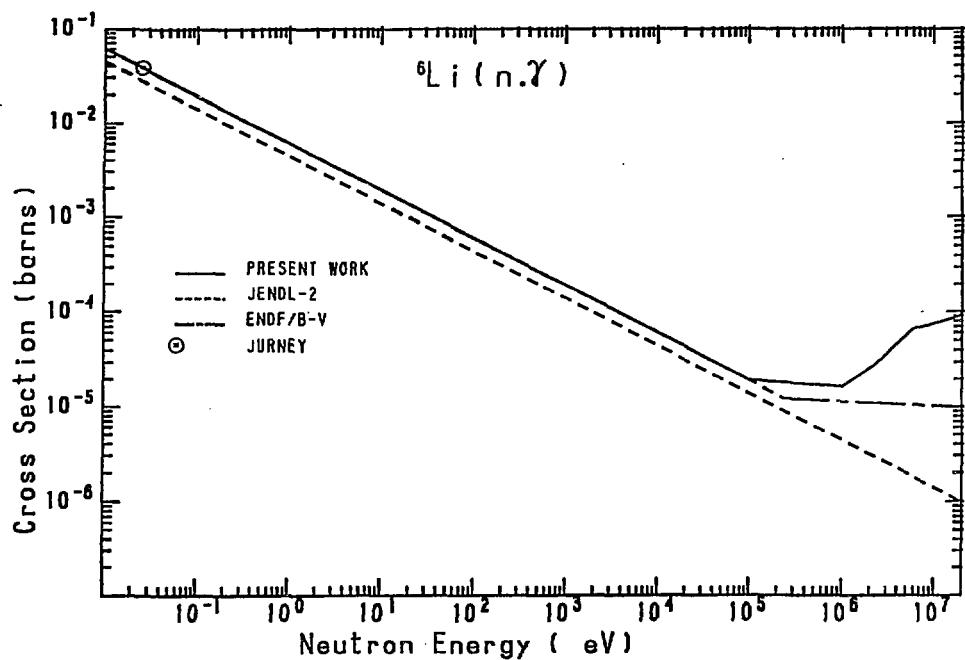


Fig. 11 Measured and evaluated radiative capture cross sections.

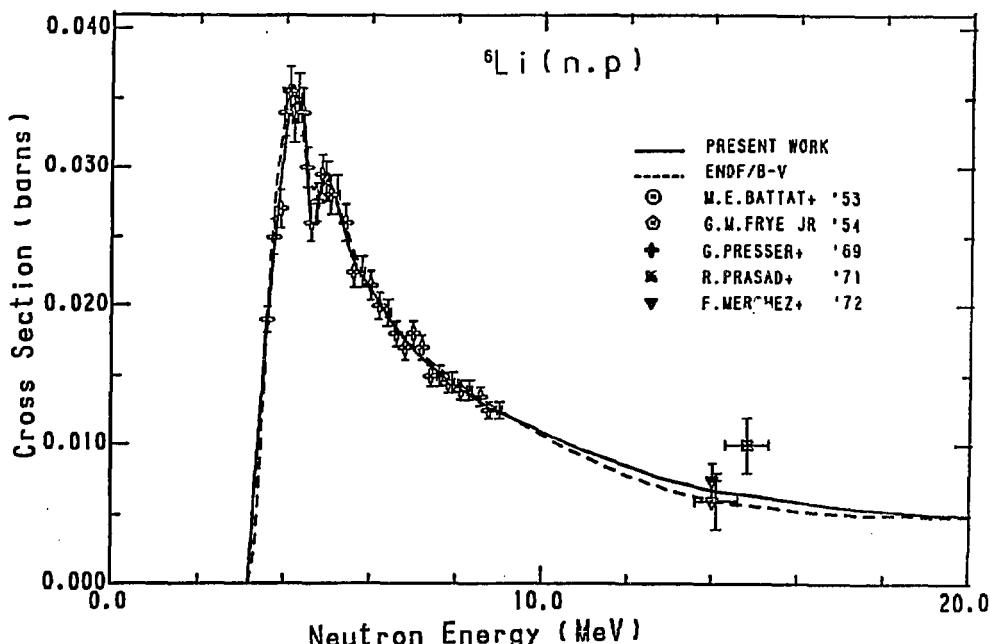
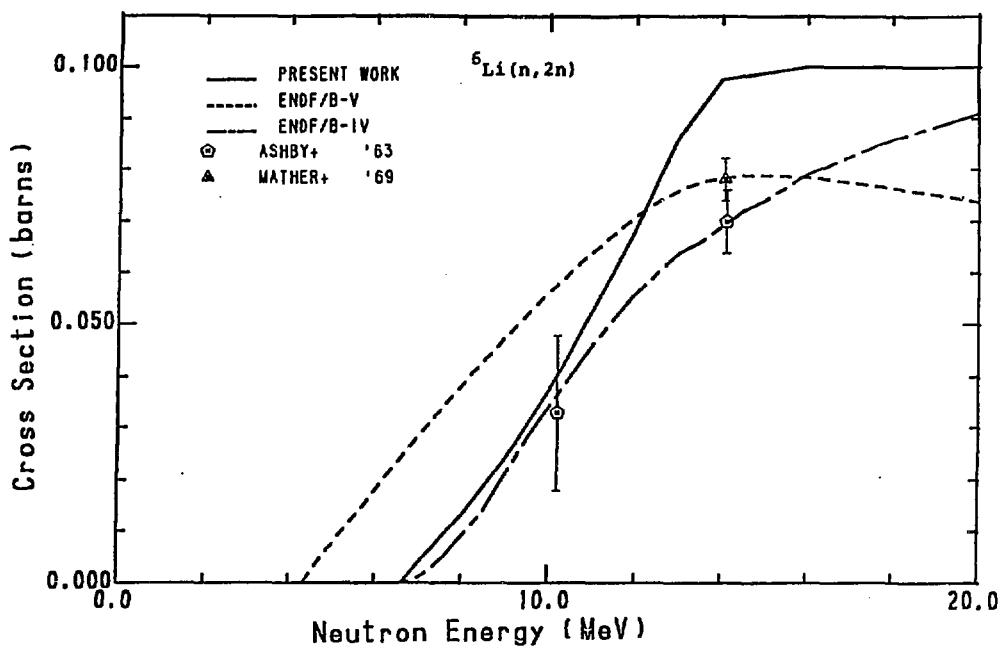


Fig. 12 Measured and evaluated (n,p) cross sections.

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

Appendix

List with ENDF/B-V format

File 6 is not included in this listing.

		MAT	MF	MT	SEQ
.....10.....20.....30.....40.....50.....60.....					
3.00600+ 3 5.96345+ 0	0	0	0	0	306 1451 1
0.0 + 0 0.0 + 0	0	0	0	0	306 1451 2
0.0 + 0 0.0 + 0	0	0	112	25	306 1451 3
3-LI- 6 JAERI	EVAL-DEC83 K.SHIBATA				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
MF=1	GENERAL INFORMATION				306 1451 10
MT=451	DESCRIPTIVE DATA				306 1451 11
MF=2	RESONANCE PARAMETERS				306 1451 12
MT=151	SCATTERING RADIUS ONLY.				306 1451 13
MF=3	CROSS SECTIONS				306 1451 14
MT=1	SIG-T				306 1451 15
	BELOW 1 MEV BASED ON THE R-MATRIX CALCULATION. SIG-CAP				306 1451 16
	WAS ADDED TO THE CALCULATED CROSS SECTION.				306 1451 17
	ABOVE 1 MEV, BASED ON THE EXPERIMENTAL DATA /1/-/3/.				306 1451 18
MT=2	SIG-EL				306 1451 19
	BELOW 1 MEV, BASED ON THE R-MATRIX CALCULATION.				306 1451 20
	ABOVE 1 MEV, THE CROSS SECTION WAS OBTAINED BY SUBTRACTING				306 1451 21
	THE REACTION CROSS SECTION FROM THE TOTAL CROSS SECTION.				306 1451 22
MT=3	NON-INELASTIC				306 1451 23
	SUM OF MT=4, 16, 102, 103 AND 107.				306 1451 24
MT=4	TOTAL INELASTIC				306 1451 25
	SUM OF MT=51, 52 AND 91.				306 1451 26
MT=16	(N,2N)LIS				306 1451 27
	BASED ON THE EXPERIMENTAL DATA /4/,/5/.				306 1451 28
MT=51	SIG-IN 2.185 MEV				306 1451 29
	BASED ON THE EXPERIMENTAL DATA /3/,/6/-/9/.				306 1451 30
MT=52	SIG-IN 3.562 MEV				306 1451 31
	BASED ON THE EXPERIMENTAL DATA /10/,/11/.				306 1451 32
MT=91	(N,N')ALPHA-D				306 1451 33
	THE (N,N')ALPHA-D CROSS SECTION WAS BASED ON THE				306 1451 34
	MEASUREMENT OF ROSEN AND STEWART /12/. THE CONTRIBUTION				306 1451 35
	FROM MT=51 WAS SUBTRACTED SO THAT SIG-T MIGHT BE EQUAL TO				306 1451 36
	THE SUM OF PARTIAL CROSS SECTIONS.				306 1451 37
MT=102	CAPTURE				306 1451 38
	BELOW 100 KEV, 1/V CURVE NORMALIZED TO THE THERMAL DATA				306 1451 39
	OF JURNEY /13/.				306 1451 40
	ABOVE 100 KEV, THE INVERSE REACTION DATA OF FERDINANDE				306 1451 41
	ET AL./14/ WERE ADDED.				306 1451 42
MT=103	(N,P)				306 1451 43
	BASED ON THE EXPERIMENTAL DATA /10/,/15/.				306 1451 44
MT=107	(N,ALPHA)T				306 1451 45
	BELOW 1 MEV, R-MATRIX CALCULATION.				306 1451 46
					306 1451 47
					306 1451 48
					306 1451 49

	MAT	MF	MT	SEQ
.....10.....20.....30.....40.....50.....60.....				
ABOVE 1 MEV, BASED ON THE EXPERIMENTAL DATA /16/,/17/.	306	1451		50
MT=251 MU-BAR	306	1451		51
CALCULATED FROM THE DATA IN FILE4.	306	1451		52
306	1451			53
MF=4 ANGULAR DISTRIBUTIONS OF SECONDARY NEUTRONS	306	1451		54
MT=2	306	1451		55
BELOW 500 KEV, R-MATRIX CALCULATION.	306	1451		56
BETWEEN 500 KEV AND 14 MEV, BASED ON THE EXPERIMENTAL	306	1451		57
DATA /1/,/6/,/18/.	306	1451		58
ABOVE 14 MEV, OPTICAL MODEL CALCULATION. THE POTENTIAL	306	1451		59
PARAMETERS WERE TAKEN FROM AGEE AND ROSEN /19/.	306	1451		60
MT=16	306	1451		61
CALCULATED WITH THE 3-BODY PHASE-SPACE MODEL.	306	1451		62
ANGULAR DISTRIBUTIONS ARE GIVEN IN THE LABORATORY SYSTEM.	306	1451		63
MT=51	306	1451		64
BELOW 4.8 MEV, ASSUMED TO BE ISOTROPIC IN CM.	306	1451		65
ABOVE 4.8 MEV, BASED ON THE EXPERIMENTAL DATA /6/,/20/	306	1451		66
MT=52	306	1451		67
ASSUMED TO BE ISOTROPIC IN CM.	306	1451		68
MT=91	306	1451		69
CALCULATED WITH THE 3-BODY PHASE-SPACE MODEL.	306	1451		70
ANGULAR DISTRIBUTIONS ARE GIVEN IN THE LABORATORY SYSTEM.	306	1451		71
306	1451			72
MF=5 ENERGY DISTRIBUTION OF SECONDARY NEUTRONS	306	1451		73
MT=16,91	306	1451		74
THREE-BODY PHASE-SPACE FACTORS WERE CALCULATED.	306	1451		75
306	1451			76
MF=6 ENERGY-ANGULAR DISTRIBUTIONS FOR SECONDARY NEUTRONS	306	1451		77
USE OF FILE6 IS RECOMMENDED FOR TRANSPORT CALCULATIONS.	306	1451		78
MT=16,91	306	1451		79
PHASE-SPACE FACTORS	306	1451		80
306	1451			81
MF=12 PHOTON-PRODUCTION MULTIPLICITIES	306	1451		82
MT=52	306	1451		83
M=1.0	306	1451		84
MT=102	306	1451		85
BASED ON THE THERMAL MEASUREMENT OF JURNEY /13/.	306	1451		86
306	1451			87
MF=14 PHOTON ANGULAR DISTRIBUTIONS	306	1451		88
MT=52	306	1451		89
ISOTROPIC	306	1451		90
MT=102	306	1451		91
ASSUMED TO BE ISOTROPIC.	306	1451		92
306	1451			93
REFERENCES	306	1451		94
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-D-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

					MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....		
9)	DRAKE D.M.:	DOE/NDC-24/U (1981),	P.72.			306	1451	103
10)	PRESSER G. ET AL.:	NUCL. PHYS. A131 (1969)	679.			306	1451	104
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
						306	1451	115
					1	451	140	116
					2	151	4	117
					3	1	77	118
					3	2	98	119
					3	3	140	120
					3	4	22	121
					3	16	7	122
					3	51	9	123
					3	52	16	124
					3	91	12	125
					3	102	9	126
					3	103	16	127
					3	107	77	128
					3	251	67	129
					4	2	415	130
					4	16	133	131
					4	51	26	132
					4	52	10	133
					4	91	178	134
					5	16	135	135
					5	91	180	136
					12	52	4	137
					12	102	13	138
					14	52	1	139
					14	102	1	140
							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	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	2.15858+	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	1.08977+	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	3.24564+	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	7.34730-	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	7.34570-	-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	4.99630+	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	1.18330+	0	7.20000+	5	1.17570+	0	306	3	2	259	
7.30000+	5	1.16870+	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	

							MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....				
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
3.765380+	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

									MAT	MF	MT	SEQ	
.....	10.....	20.....	30.....	40.....	50.....	60.....							
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		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	5.35123-	2	6.47799-	2	6.26499-	2	5.97576+	2	306 3	3 341
8.13247-	2	5.24494+	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	6.52500+	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	2.11887+	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	7.0000+	4	1.50936+	0	306 3	3 361
1.28125+	4	1.34209+	0	1.56250+	4	1.22162+	0	7.0000+	4	1.08674+	0	306 3	3 362
2.12500+	4	1.05797+	0	2.68750+	4	9.53542-	0	5.00000+	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	7.00000+	4	6.57170-	1	1.00000+	5	6.61899-	1	306 3	3 367

										MAT	MF	MT	SEQ	
.....	10.....	20.....	30.....	40.....	50.....	60.....								
1.10000+	5	6.76939-	1	1.20000+	5	7.04209-	1	1.30000+	5	7.42709-	1	306	3	368
1.40000+	5	7.95779-	1	1.50000+	5	8.96859-	1	1.60000+	5	1.01472+	0	306	3	369
1.65000+	5	1.08842+	0	1.70000+	5	1.17392+	0	1.75000+	5	1.27302+	0	306	3	370
1.80000+	5	1.38752+	0	1.85000+	5	1.51922+	0	1.90000+	5	1.66982+	0	306	3	371
1.95000+	5	1.84032+	0	2.00000+	5	2.03062+	0	2.05000+	5	2.23862+	0	306	3	372
2.10000+	5	2.45952+	0	2.12500+	5	2.57212+	0	2.15000+	5	2.68472+	0	306	3	373
2.16000+	5	2.72922+	0	2.17000+	5	2.77332+	0	2.18000+	5	2.81682+	0	306	3	374
2.19000+	5	2.85962+	0	2.20000+	5	2.90162+	0	2.21000+	5	2.94262+	0	306	3	375
2.22000+	5	2.98242+	0	2.23000+	5	3.02102+	0	2.24000+	5	3.05832+	0	306	3	376
2.25000+	5	3.09392+	0	2.26000+	5	3.12792+	0	2.27000+	5	3.16002+	0	306	3	377
2.28000+	5	3.19022+	0	2.29000+	5	3.21832+	0	2.30000+	5	3.24422+	0	306	3	378
2.31000+	5	3.26782+	0	2.32000+	5	3.28902+	0	2.33000+	5	3.30772+	0	306	3	379
2.34000+	5	3.32382+	0	2.35000+	5	3.33722+	0	2.36000+	5	3.34802+	0	306	3	380
2.37000+	5	3.35612+	0	2.38000+	5	3.36142+	0	2.39000+	5	3.36402+	0	306	3	381
2.40000+	5	3.36382+	0	2.41000+	5	3.36242+	0	2.42000+	5	3.35782+	0	306	3	382
2.43000+	5	3.35012+	0	2.44000+	5	3.33932+	0	2.45000+	5	3.32552+	0	306	3	383
2.46000+	5	3.30882+	0	2.47000+	5	3.28932+	0	2.48000+	5	3.26722+	0	306	3	384
2.49000+	5	3.24252+	0	2.50000+	5	3.21552+	0	2.51000+	5	3.18632+	0	306	3	385
2.52000+	5	3.15512+	0	2.53000+	5	3.12202+	0	2.54000+	5	3.08732+	0	306	3	386
2.55000+	5	3.05102+	0	2.56000+	5	3.01332+	0	2.57000+	5	2.97442+	0	306	3	387
2.58000+	5	2.93462+	0	2.59000+	5	2.89382+	0	2.60000+	5	2.85232+	0	306	3	388
2.61000+	5	2.81022+	0	2.62000+	5	2.76772+	0	2.63000+	5	2.72482+	0	306	3	389
2.64000+	5	2.68172+	0	2.65000+	5	2.63862+	0	2.66000+	5	2.59542+	0	306	3	390
2.67000+	5	2.55242+	0	2.68000+	5	2.50952+	0	2.69000+	5	2.46692+	0	306	3	391
2.70000+	5	2.42472+	0	2.71000+	5	2.38282+	0	2.72000+	5	2.34142+	0	306	3	392
2.73000+	5	2.30052+	0	2.74000+	5	2.26022+	0	2.75000+	5	2.22042+	0	306	3	393
2.76000+	5	2.18132+	0	2.77000+	5	2.14282+	0	2.78000+	5	2.10502+	0	306	3	394
2.79000+	5	2.06792+	0	2.80000+	5	2.03152+	0	2.85000+	5	1.86022+	0	306	3	395
2.90000+	5	1.70712+	0	2.95000+	5	1.57132+	0	3.00000+	5	1.45132+	0	306	3	396
3.10000+	5	1.25242+	0	3.20000+	5	1.09752+	0	3.25000+	5	1.03666+	0	306	3	397
3.30000+	5	9.75798-	1	3.40000+	5	8.79008-	1	3.50000+	5	8.00078-	1	306	3	398
3.60000+	5	7.35758-	1	3.70000+	5	6.82688-	1	3.80000+	5	6.38408-	1	306	3	399
3.90000+	5	6.01068-	1	4.00000+	5	5.69278-	1	4.10000+	5	5.41968-	1	306	3	400
4.20000+	5	5.18308-	1	4.30000+	5	4.97668-	1	4.40000+	5	4.79528-	1	306	3	401
4.50000+	5	4.63478-	1	4.60000+	5	4.49208-	1	4.70000+	5	4.36438-	1	306	3	402
4.80000+	5	4.24967-	1	4.90000+	5	4.14608-	1	5.00000+	5	4.05207-	1	306	3	403
5.10000+	5	3.96647-	1	5.20000+	5	3.83837-	1	5.30000+	5	3.81667-	1	306	3	404
5.40000+	5	3.75067-	1	5.50000+	5	3.68917-	1	5.60000+	5	3.65227-	1	306	3	405
5.70000+	5	3.57957-	1	5.80000+	5	3.53047-	1	5.90000+	5	3.48477-	1	306	3	406
6.00000+	5	3.44207-	1	6.10000+	5	3.40207-	1	6.20000+	5	3.36457-	1	306	3	407
6.30000+	5	3.32937-	1	6.40000+	5	3.29617-	1	6.50000+	5	3.26487-	1	306	3	408
6.60000+	5	3.23537-	1	6.70000+	5	3.20737-	1	6.80000+	5	3.18087-	1	306	3	409
6.90000+	5	3.15577-	1	7.00000+	5	3.13187-	1	7.10000+	5	3.10917-	1	306	3	410
7.20000+	5	3.08747-	1	7.30000+	5	3.06687-	1	7.40000+	5	3.04707-	1	306	3	411
7.50000+	5	3.02817-	1	7.60000+	5	3.00997-	1	7.70000+	5	2.99257-	1	306	3	412
7.80000+	5	2.97577-	1	7.90000+	5	2.95967-	1	8.00000+	5	2.94427-	1	306	3	413
8.10000+	5	2.92937-	1	8.20000+	5	2.91497-	1	8.30000+	5	2.90107-	1	306	3	414
8.40000+	5	2.88767-	1	8.50000+	5	2.87477-	1	8.60000+	5	2.86217-	1	306	3	415
8.70000+	5	2.85007-	1	8.80000+	5	2.83827-	1	8.90000+	5	2.82677-	1	306	3	416
9.00000+	5	2.81567-	1	9.10000+	5	2.80477-	1	9.20000+	5	2.79427-	1	306	3	417
9.30000+	5	2.78397-	1	9.40000+	5	2.77387-	1	9.50000+	5	2.76407-	1	306	3	418
9.60000+	5	2.75447-	1	9.70000+	5	2.74507-	1	9.80000+	5	2.73587-	1	306	3	419
9.90000+	5	2.72677-	1	1.00000+	6	2.71797-	1	1.05000+	6	2.67567-	1	306	3	420

										MAT	MF	MT	SEQ	
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....	
1.10000+	6	2.63618-	1	1.15000+	6	2.59868-	1	1.20000+	6	2.56229-	1	306	3	421
1.25000+	6	2.52659-	1	1.30000+	6	2.49100-	1	1.35000+	6	2.45530-	1	306	3	422
1.40000+	6	2.41910-	1	1.45000+	6	2.38251-	1	1.50000+	6	2.34511-	1	306	3	423
1.55000+	6	2.30692-	1	1.60000+	6	2.26802-	1	1.65000+	6	2.22833-	1	306	3	424
1.70000+	6	2.18783-	1	1.72057+	6	2.17089-	1	1.75000+	6	2.16552-	1	306	3	425
1.80000+	6	2.15569-	1	2.23290+	6	2.39103-	1	2.28000+	6	2.38317-	1	306	3	426
2.50000+	6	2.34647-	1	2.55140+	6	2.52080-	1	2.55140+	6	2.52080-	1	306	3	427
2.60200+	6	2.69241-	1	2.78417+	6	3.31398-	1	2.97100+	6	3.95145-	1	306	3	428
3.00000+	6	4.05517-	1	3.18464+	6	4.78934-	1	3.22331+	6	4.96105-	1	306	3	429
3.34000+	6	5.47921-	1	3.42600+	6	5.87943-	1	3.50000+	6	6.22380-	1	306	3	430
3.52460+	6	6.28416-	1	3.59500+	6	6.47028-	1	3.66700+	6	6.64666-	1	306	3	431
3.70910+	6	6.75259-	1	3.73850+	6	6.82790-	1	3.76380+	6	6.89348-	1	306	3	432
3.88200+	6	7.19987-	1	4.00000+	6	7.49789-	1	4.02600+	6	7.51155-	1	306	3	433
4.09700+	6	7.53983-	1	4.15931+	6	7.55644-	1	4.16900+	6	7.55947-	1	306	3	434
4.24700+	6	7.58151-	1	4.25300+	6	7.58370-	1	4.25400+	6	7.58408-	1	306	3	435
4.25900+	6	7.58597-	1	4.26270+	6	7.58742-	1	4.27200+	6	7.59040-	1	306	3	436
4.28400+	6	7.59479-	1	4.29700+	6	7.59968-	1	4.32200+	6	7.61003-	1	306	3	437
4.33810+	6	7.61704-	1	4.34700+	6	7.61957-	1	4.39750+	6	7.63331-	1	306	3	438
4.42300+	6	7.63891-	1	4.44770+	6	7.63781-	1	4.46500+	6	7.63686-	1	306	3	439
4.48000+	6	7.63324-	1	4.50000+	6	7.62935-	1	4.50700+	6	7.62938-	1	306	3	440
4.51200+	6	7.62968-	1	4.55800+	6	7.63346-	1	4.57700+	6	7.63992-	1	306	3	441
4.60800+	6	7.64938-	1	4.64200+	6	7.66671-	1	4.65900+	6	7.67407-	1	306	3	442
4.67400+	6	7.68264-	1	4.70600+	6	7.69833-	1	4.71000+	6	7.69999-	1	306	3	443
4.74200+	6	7.71599-	1	4.77800+	6	7.73269-	1	4.81100+	6	7.74787-	1	306	3	444
4.81400+	6	7.74896-	1	4.81630+	6	7.74987-	1	4.85000+	6	7.76313-	1	306	3	445
4.91230+	6	7.78975-	1	5.00000+	6	7.81279-	1	5.01500+	6	7.81073-	1	306	3	446
5.10700+	6	7.79947-	1	5.18000+	6	7.78743-	1	5.30100+	6	7.76870-	1	306	3	447
5.34500+	6	7.76169-	1	5.37000+	6	7.75784-	1	5.49500+	6	7.74448-	1	306	3	448
5.50000+	6	7.74412-	1	5.51000+	6	7.74138-	1	5.64670+	6	7.70306-	1	306	3	449
5.68900+	6	7.69358-	1	5.84000+	6	7.66377-	1	5.92340+	6	7.64665-	1	306	3	450
5.97600+	6	7.63760-	1	6.01000+	6	7.63342-	1	6.01000+	6	7.63067-	1	306	3	451
6.17100+	6	7.58649-	1	6.26400+	6	7.56137-	1	6.50000+	6	7.49818-	1	306	3	452
6.55100+	6	7.48446-	1	6.61394+	6	7.46803-	1	6.72570+	6	7.44948-	1	306	3	453
6.83800+	6	7.43158-	1	6.95000+	6	7.41482-	1	7.00000+	6	7.40752-	1	306	3	454
7.34450+	6	7.27802-	1	7.52800+	6	7.21022-	1	7.85100+	6	7.09727-	1	306	3	455
8.00000+	6	7.04566-	1	8.33030+	6	6.97543-	1	8.35800+	6	6.97045-	1	306	3	456
8.47000+	6	5.95035-	1	8.86500+	6	6.87967-	1	9.00000+	6	6.85641-	1	306	3	457
9.13260+	6	6.84057-	1	1.00000+	7	6.75958-	1	1.05000+	7	6.60410-	1	306	3	458
1.09000+	7	6.47971-	1	1.10000+	7	6.44895-	1	1.13710+	7	6.30519-	1	306	3	459
1.20000+	7	6.06430-	1	1.28000+	7	5.94630-	1	1.30000+	7	5.91748-	1	306	3	460
1.36090+	7	5.78652-	1	1.40000+	7	5.70074-	1	1.41000+	7	5.68174-	1	306	3	461
1.52000+	7	5.47670-	1	1.55000+	7	5.42065-	1	1.58480+	7	5.35562-	1	306	3	462
1.60000+	7	5.32588-	1	1.69670+	7	5.19760-	1	1.70000+	7	5.19390-	1	306	3	463
1.80000+	7	5.08340-	1	1.82000+	7	5.06443-	1	1.90000+	7	4.99431-	1	306	3	464
2.00000+	7	4.90835-	1									306	3	465
												306	3	466
3.00600+	3	5.96345+	0		0	99		0		0		306	3	467
0.0	+ 0	-1.47348+	6		0	0		1		56		306	3	468
56	2			0	0	0		0		0		306	3	469
1.72057+	6	0.0	+ 0	2.50000+	6	5.00000-	2	2.55140+	6	7.15880-	2	306	3	470
2.55140+	6	7.15879-	2	2.78417+	6	1.69351-	1	3.00000+	6	2.60000-	1	306	3	471
3.22331+	6	3.62722-	1	3.42600+	6	4.55960-	1	3.50000+	6	4.90000-	1	306	3	472
3.76380+	6	5.53312-	1	4.00000+	6	6.10000-	1	4.15931+	6	6.16372-	1	306	3	473

							MAT	MF	MT	SEQ	
.....	10.....	20.....	30.....	40.....	50.....	60.....					
4.24700+	6	6.20285-	1	4.25300+	6	6.20601-	1	4.25900+	6	6.20930-	1
4.27200+	6	6.21661-	1	4.28400+	6	6.22392-	1	4.29700+	6	6.23196-	1
4.32200+	6	6.24837-	1	4.34700+	6	6.26533-	1	4.39750+	6	6.29896-	1
4.42300+	6	6.31461-	1	4.44770+	6	6.32838-	1	4.48000+	6	6.34604-	1
4.50000+	6	6.35792-	1	4.51200+	6	6.36745-	1	4.57700+	6	6.42053-	1
4.64200+	6	6.47134-	1	4.67400+	6	6.49391-	1	4.70600+	6	6.51388-	1
4.74200+	6	6.53361-	1	4.77800+	6	6.55204-	1	4.81400+	6	6.57033-	1
4.85000+	6	6.58964-	1	5.00000+	6	6.67513-	1	5.01500+	6	6.67768-	1
5.18000+	6	6.70819-	1	5.34500+	6	6.74037-	1	5.50000+	6	6.7715-	1
5.51000+	6	6.77139-	1	5.84000+	6	6.76906-	1	6.00000+	6	6.76666-	1
6.17100+	6	6.74701-	1	6.50000+	6	6.71064-	1	6.75000+	6	6.66035-	1
7.00000+	6	6.65495-	1	8.00000+	6	6.31695-	1	8.47000+	6	6.21448-	1
9.00000+	6	6.09925-	1	1.00000+	7	5.91183-	1	1.10000+	7	5.48656-	1
1.20000+	7	4.97130-	1	1.40000+	7	4.37623-	1	1.60000+	7	4.03339-	1
1.80000+	7	3.84096-	1	2.00000+	7	3.67975-	1			306	3
										306	3
										0	489
3.00600+	3	5.96345+	0		0	99	0		0	306	3
0.0	+ 0	5.66413+	6		0	0	1		11	306	3
11			2		0	0	0		0	306	3
6.61394+	6	0.0	+ 0	8.00000+	6	1.31924-	2	9.00000+	6	2.40865-	2
1.00000+	7	3.72608-	2	1.10000+	7	5.24620-	2	1.20000+	7	6.86765-	2
1.30000+	7	8.66645-	2	1.40000+	7	9.75586-	2	1.60000+	7	1.00000-	1
1.80000+	7	1.00000-	1	2.00000+	7	1.00000-	1			306	3
										306	3
										0	492
3.00600+	3	5.96345+	0		0	1	0		0	306	3
-1.47348+	6	-2.18500+	6		0	32	1		17	306	3
17			2		0	0	0		0	306	3
2.55140+	6	9.04810-	4	2.78417+	6	1.04779-	1	3.00000+	6	1.96830-	1
3.22331+	6	2.75370-	1	3.42600+	6	2.95638-	1	3.746380+	6	3.07461-	1
4.00000+	6	2.97327-	1	5.00000+	6	2.48345-	1	6.00000+	6	1.90919-	1
7.00000+	6	1.58828-	1	8.00000+	6	1.37715-	1	1.00000+	7	1.08157-	1
1.20000+	7	9.12670-	2	1.40000+	7	7.69104-	2	1.60000+	7	6.76209-	2
1.80000+	7	6.25538-	2	2.00000+	7	6.00203-	2			306	3
										306	3
										0	507
3.00600+	3	5.96345+	0		0	2	0		0	306	3
0.0	+ 0	3.56200+	6		0	0	1		37	306	3
37			2		0	0	0		0	306	3
4.15931+	6	0.0	+ 0	4.24700+	6	4.05200-	4	4.25300+	6	4.81600-	4
4.25900+	6	5.70350-	4	4.27200+	6	7.81640-	4	4.28400+	6	1.03250-	3
4.29700+	6	1.31660-	3	4.32200+	6	1.95770-	3	4.34700+	6	2.65300-	3
4.39750+	6	3.99680-	3	4.42300+	6	4.54100-	3	4.44770+	6	4.93040-	3
4.48000+	6	5.40470-	3	4.51200+	6	6.02500-	3	4.57700+	6	7.43340-	3
4.64200+	6	8.61470-	3	4.67400+	6	8.95110-	3	4.70600+	6	9.02800-	3
4.74200+	6	8.84100-	3	4.77800+	6	8.52450-	3	4.81400+	6	8.19370-	3
4.85000+	6	7.96400-	3	5.01500+	6	7.46770-	3	5.18000+	6	7.21950-	3
5.34500+	6	7.13740-	3	5.51000+	6	7.13940-	3	5.84000+	6	6.90570-	3
6.17100+	6	6.41080-	3	6.50000+	6	6.06410-	3	6.95000+	6	5.53466-	3
8.47000+	6	4.31857-	3	1.00000+	7	3.18355-	3	1.20000+	7	2.12960-	3
1.40000+	7	1.62290-	3	1.60000+	7	1.33915-	3	1.80000+	7	1.09593-	3
2.00000+	7	9.74320-	4							306	3
										306	3
										0	524
3.00600+	3	5.96345+	0		0	98	0		0	306	3
-1.47348+	6	-1.47348+	6		0	32	1		25	306	3
										91	525
										91	526

									MAT	MF	MT	SEQ			
.....	10.....	20.....	30.....	40.....	50.....	60.....	.....							
25	2	0	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	5.50000+	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	3	102	538
0.0	+ 0	7.25053+	6		1	0		1		18	306	3	102	539	
18	5	0	0	0	0	0		0		0		306	3	102	540
1.00000-	5	1.93531+	0	1.00000-	4	6.12000-	- 1	1.00000-	3	1.93531-	- 1	306	3	102	541
1.00000-	2	6.12000-	- 2	2.53000-	2	3.85000-	- 2	1.00000-	- 1	1.93531-	- 2	306	3	102	542
1.00000+	0	6.12000-	- 3	1.00000+	1	1.93531-	- 3	1.00000+	- 2	6.12000-	- 4	306	3	102	543
1.00000+	3	1.93531-	- 4	1.00000+	4	6.12000-	- 5	1.00000+	- 5	1.93531-	- 5	306	3	102	544
1.00000+	6	1.67200-	- 5	2.28000+	6	2.81531-	- 5	6.01000+	6	6.58964-	- 5	306	3	102	545
1.05000+	7	7.60887-	- 5	1.55000+	7	8.43545-	- 5	2.00000+	7	9.18685-	- 5	306	3	102	546
												306	3	0	547
3.00600+	3	5.96345+	0		0	99		0		0		306	3	103	548
0.0	+ 0	-2.72730+	6		0	0		1		38	306	3	103	549	
38	2	0	0	0	0	0		0		0		306	3	103	550
3.18464+	6	0.0	+ 0	3.59500+	6	1.90490-	- 2	3.66700+	6	2.09950-	- 2	306	3	103	551
3.73850+	6	2.34010-	- 2	3.88200+	6	2.86660-	- 2	4.02600+	6	3.29900-	- 2	306	3	103	552
4.09700+	6	3.42190-	- 2	4.16900+	6	3.45160-	- 2	4.25400+	6	3.46110-	- 2	306	3	103	553
4.33810+	6	3.46520-	- 2	4.42300+	6	3.34080-	- 2	4.46500+	6	3.19190-	- 2	306	3	103	554
4.50700+	6	2.96470-	- 2	4.55800+	6	2.71630-	- 2	4.60800+	6	2.60170-	- 2	306	3	103	555
4.65900+	6	2.58910-	- 2	4.71000+	6	2.64710-	- 2	4.81100+	6	2.84840-	- 2	306	3	103	556
4.91230+	6	2.95310-	- 2	5.10700+	6	2.83370-	- 2	5.30100+	6	2.63210-	- 2	306	3	103	557
5.49500+	6	2.42190-	- 2	5.68900+	6	2.27700-	- 2	5.97600+	6	2.13880-	- 2	306	3	103	558
6.26400+	6	1.99340-	- 2	6.55100+	6	1.85500-	- 2	6.83800+	6	1.73920-	- 2	306	3	103	559
7.34450+	6	1.58400-	- 2	7.85100+	6	1.46160-	- 2	8.35800+	6	1.35600-	- 2	306	3	103	560
8.86500+	6	1.25130-	- 2	1.09000+	7	9.66598-	- 3	1.28000+	7	7.63917-	- 3	306	3	103	561
1.41000+	7	6.69332-	- 3	1.52000+	7	6.28795-	- 3	1.70000+	7	5.54479-	- 3	306	3	103	562
1.90000+	7	5.07187-	- 3	2.00000+	7	5.00431-	- 3					306	3	103	563
												306	3	0	564
3.00600+	3	5.96345+	0		0	99		0		0		306	3	107	565
0.0	+ 0	4.78385+	6		0	0		2		221	306	3	107	566	
24	5	221	2	0	0	0		0		0		306	3	107	567
1.00000-	5	4.72990+	4	1.00000-	4	1.49570+	4	1.00000-	3	4.72990+	3	306	3	107	568
1.00000-	2	1.49570+	3	2.53000-	2	9.40330+	2	1.00000-	1	4.72970+	2	306	3	107	569
1.00000+	0	1.49550+	2	1.00000+	1	4.72810+	1	1.00000+	2	1.49410+	1	306	3	107	570
1.00000+	3	4.72090+	0	2.00000+	3	3.33970+	0	3.00000+	3	2.72910+	0	306	3	107	571
4.00000+	3	2.36600+	0	5.00000+	3	2.11880+	0	6.00000+	3	1.93670+	0	306	3	107	572
7.00000+	3	1.79560+	0	8.00000+	3	1.68210+	0	9.00000+	3	1.58830+	0	306	3	107	573
1.00000+	4	1.50930+	0	2.00000+	4	1.08670+	0	3.00000+	4	9.08200-	1	306	3	107	574
4.00000+	4	8.07590-	- 1	5.00000+	4	7.43930-	- 1	6.00000+	4	7.02440-	- 1	306	3	107	575
7.00000+	4	6.76300-	- 1	8.00000+	4	6.61740-	- 1	9.00000+	4	6.57150-	- 1	306	3	107	576
1.00000+	5	6.61880-	- 1	1.10000+	5	6.76920-	- 1	1.20000+	5	7.04190-	- 1	306	3	107	577
1.30000+	5	7.42690-	- 1	1.40000+	5	7.95760-	- 1	1.50000+	5	8.96840-	- 1	306	3	107	578
1.60000+	5	1.01470+	0	1.65000+	5	1.08840+	0	1.70000+	5	1.17390+	0	306	3	107	579

							MAT	MF	MT	SEQ				
.....	10.....	20.....	30.....	40.....	50.....	60.....								
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	5.37940-	1	306	3107	614
5.80000+	5	3.53030-	1	5.90000+	5	3.48460-	1	6.00000+	5	5.44190-	1	306	3107	615
6.19000+	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	3.06730-	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

							MAT	MF	MT	SEQ				
.....	10.....	20.....	30.....	40.....	50.....	60.....								
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
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.-2778-	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
2.37900+	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

							MAT	MF	MT	SEQ
.....10.....20.....30.....40.....50.....60.....										
3.70000+ 5	2.16707-	1	3.80000+	5	2.17675-	1	3.90000+	5	2.18311-	1
4.00000+ 5	2.18643-	1	4.10000+	5	2.18730-	1	4.20000+	5	2.18614-	1
4.30000+ 5	2.18312-	1	4.40000+	5	2.17866-	1	4.50000+	5	2.17286-	1
4.60000+ 5	2.16590-	1	4.70000+	5	2.15801-	1	4.80000+	5	2.14937-	1
4.90000+ 5	2.13999-	1	5.00000+	5	2.12997-	1	5.47000+	5	2.60332-	1
5.97000+ 5	2.73624-	1	6.47000+	5	2.73316-	1	6.97000+	5	2.64830-	1
7.47000+ 5	2.87908-	1	7.96000+	5	2.98173-	1	8.46000+	5	2.81410-	1
8.96000+ 5	3.13571-	1	9.46000+	5	3.38246-	1	1.00000+	6	2.45639-	1
1.10000+ 6	2.77667-	1	1.20000+	6	2.59264-	1	1.33000+	6	2.13899-	1
1.40000+ 6	2.14478-	1	1.50000+	6	2.03553-	1	1.60000+	6	2.03530-	1
1.70000+ 6	2.06820-	1	1.80000+	6	1.98834-	1	1.90000+	6	1.87663-	1
2.00000+ 6	1.89192-	1	2.09000+	6	1.99722-	1	2.19000+	6	1.85812-	1
2.20000+ 6	2.00909-	1	2.30000+	6	2.00274-	1	2.50000+	6	1.73436-	1
2.60000+ 6	1.69353-	1	2.70000+	6	1.92974-	1	2.80000+	6	1.81200-	1
2.90000+ 6	1.97760-	1	3.00000+	6	2.06151-	1	4.08000+	6	4.07736-	1
4.26000+ 6	4.48294-	1	4.57000+	6	4.90753-	1	4.83000+	6	5.05136-	1
5.05000+ 6	5.24892-	1	5.29000+	6	5.31484-	1	5.54000+	6	5.45871-	1
5.74000+ 6	5.63665-	1	6.05000+	6	5.76133-	1	6.37000+	6	6.05640-	1
6.66000+ 6	6.08982-	1	6.94000+	6	6.34868-	1	7.32000+	6	6.53158-	1
7.47000+ 6	6.645419-	1	8.96000+	6	6.89609-	1	9.96000+	6	7.17776-	1
1.09500+ 7	7.39642-	1	1.20400+	7	7.61885-	1	1.29400+	7	7.73911-	1
1.39400+ 7	7.84325-	1	1.40000+	7	7.90646-	1	1.50000+	7	8.02899-	1
1.60000+ 7	8.13885-	1	1.70000+	7	8.23753-	1	1.80000+	7	8.32786-	1
1.90000+ 7	8.41021-	1	2.00000+	7	8.48547-	1			306	3251
									306	3
									306	0
									306	0
3.00600+ 3	5.96345+	0		1		1		0	306	4
0.0	+ 0	5.96345+	0	0		2		9	306	4
1.00000+ 0	1.11792-	1	5.64655-	3	8.39664-	8	0.0	+ 0	0.0	+ 0
0.0	+ 0	0.0	+ 0	0.0	+ 0	0.0	+ 0	9.83128-	1	306
1.99601- 1	1.92792-	2	9.04911-	4	2.03230-	5	5.40321-	8	0.0	+ 0
0.0	+ 0	0.0	+ 0	0.0	+ 0	-1.09098-	1	9.56151-	1	2.81178-
3.97746- 2	3.26396-	3	1.58074-	4	2.15217-	6	0.0	+ 0	0.0	+ 0
0.0	+ 0	1.64323-	-2	1.92489-	1	9.15321-	1	3.56754-	1	6.65328-
7.60378- 3	5.65296-	4	2.42782-	5	3.91053-	6	0.0	+ 0	-2.62212-	3
3.69000- 2	2.67232-	1	8.62111-	1	4.25370-	1	9.88523-	2	1.43937-	2
1.42743- 3	9.70165-	5	0.0	+ 0	4.27303-	4	-6.87658-	3	6.25614-	2
-3.34034- 1	7.97704-	1	4.85835-	1	1.35886-	1	2.40194-	2	2.96114-	3
0.0	+ 0	-0.7.03334-	5	1.25814-	3	-1.33869-	2	9.28313-	2	-3.92164-
7.23465- 1	5.37018-	1	1.76653-	1	3.67662-	2	0.0	+ 0	1.16411-	5
-2.27228- 4	2.72397-	3	-2.24938-	2	1.26826-	1	-4.40725-	1	6.40948-	1
5.77939- 1	2.20066-	1	0.0	+ 0	-1.93327-	6	4.06444-	5	-5.36462-	4
5.04834- 3	3.3.4167-	2	1.63519-	1	-4.78925-	1	5.51869-	1	0.0	+ 0
0.0	+ 0	3.21779-	7	-7.17913-	6	1.03278-	4	-1.07821-	3	8.45946-
-4.92591- 2	2.01790-	1	-5.06162-	1	4.58066-	1			306	4
0.0	+ 0	0.0	+ 0	0	0	0	1		191	306
		191		2	0	0	0		0	306
0.0	+ 0	1.00000-	5	0	0	0	4		0	306
-7.03080-12	4.92680-23	4.74280-25	8.86539-36						306	4
0.0	+ 0	1.00000-	4	0	0	0	4		0	306
-6.93199-11	4.93960-21	1.49980-25	2.80350-35						306	4
0.0	+ 0	1.00000-	3	0	0	0	4		0	306
-6.92580-10	4.94120-19	4.74120-26	8.86539-35						306	4

						MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....			
0.0	+ 0	1.00000- 2	0	0	4	0	306	4	2
-6.92540-	9	4.94130-17-7.15229-28-2.79670-34				306	4	2	739
0.0	+ 0	2.53000- 2	0	0	4	0	306	4	2
-1.75210-	8	3.16290-16-2.45040-25-4.18150-34				306	4	2	740
0.0	+ 0	1.00000- 1	0	0	4	0	306	4	2
-6.92520-	8	4.94140-15-1.57090-23 5.89220-33				306	4	2	741
0.0	+ 0	1.00000+ 0	0	0	4	0	306	4	2
-6.92460-	7	4.94150-13-1.57140-20 6.77849-29				306	4	2	742
0.0	+ 0	1.00000+ 1	0	0	4	0	306	4	2
-6.92300-	6	4.94210-11-1.57150-17 6.77910-25				306	4	2	743
0.0	+ 0	1.00000+ 2	0	0	4	0	306	4	2
-6.91940-	5	4.94660- 9-1.57230-14 6.78020-21				306	4	2	744
0.0	+ 0	1.00000+ 3	0	0	4	0	306	4	2
-6.92220-	4	4.98710- 7-1.57870-11 6.78410-17				306	4	2	745
0.0	+ 0	2.00000+ 3	0	0	4	0	306	4	2
-1.38610-	3	2.01020- 6-1.26770-10 1.08590-15				306	4	2	746
0.0	+ 0	3.00000+ 3	0	0	4	0	306	4	2
-2.08130-	3	4.55300- 6-4.29220-10 5.49890-15				306	4	2	747
0.0	+ 0	4.00000+ 3	0	0	4	0	306	4	2
-2.78300-	3	8.17410- 6-1.02220- 9 1.73840-14				306	4	2	748
0.0	+ 0	5.00000+ 3	0	0	4	0	306	4	2
-3.48200-	3	1.28460- 5-2.00190- 9 4.24510-14				306	4	2	749
0.0	+ 0	6.00000+ 3	0	0	4	0	306	4	2
-4.19110-	3	1.86810- 5-3.47540- 9 8.80380-14				306	4	2	750
0.0	+ 0	7.00000+ 3	0	0	4	0	306	4	2
-4.89480-	3	2.55730- 5-5.53180- 9 1.35860-13				306	4	2	751
0.0	+ 0	8.00000+ 3	0	0	4	0	306	4	2
-5.62300-	3	3.38690- 5-8.26320- 9-5.13170-13				306	4	2	752
0.0	+ 0	9.00000+ 3	0	0	4	0	306	4	2
-6.33310-	3	4.31130- 5-1.17980- 8-8.25290-13				306	4	2	753
0.0	+ 0	1.00000+ 4	0	0	4	0	306	4	2
-7.07380-	3	5.39740- 5-1.62890- 8-1.27000-12				306	4	2	754
0.0	+ 0	2.00000+ 4	0	0	4	0	306	4	2
-1.44590-	2	2.53100- 4-1.35040- 7-2.14070-11				306	4	2	755
0.0	+ 0	3.00000+ 4	0	0	4	0	306	4	2
-2.28570-	2	6.03130- 4-4.85880- 7-1.18820-10				306	4	2	756
0.0	+ 0	4.00000+ 4	0	0	4	0	306	4	2
-3.16120-	2	1.19710- 3-1.20950- 6-4.02750-10				306	4	2	757
0.0	+ 0	5.00000+ 4	C	0	4	0	306	4	2
-4.06440-	2	2.06020- 3-2.46170- 6-1.04320- 9				306	4	2	758
0.0	+ 0	6.00000+ 4	0	0	4	0	306	4	2
-5.01330-	2	3.28000- 3-4.43190- 6-2.29440- 9				306	4	2	759
0.0	+ 0	7.00000+ 4	0	0	4	0	306	4	2
-6.00640-	2	4.96020- 3-7.33030- 6-4.50840- 9				306	4	2	760
0.0	+ 0	8.00000+ 4	0	0	4	0	306	4	2
-7.01880-	2	7.19580- 3-1.13580- 5-8.12540- 9				306	4	2	761
0.0	+ 0	9.00000+ 4	0	0	4	0	306	4	2
-8.02640-	2	1.01050- 2-1.67090- 5-1.36790- 8				306	4	2	762
0.0	+ 0	1.00000+ 5	0	0	4	0	306	4	2
-8.99160-	2	1.37980- 2-2.35220- 5-2.17530- 8				306	4	2	763
0.0	+ 0	1.10000+ 5	0	0	4	0	306	4	2
-9.87770-	2	1.84380- 2-3.18850- 5-3.29680- 8				306	4	2	764
0.0	+ 0	1.20000+ 5	0	0	4	0	306	4	2
									791

							MAT	MF	MT	SEG
.....	10	.....	20	.....	30	.....	40	.....	50	.....
-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-	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

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

										MAT	MF	MT	SEQ
4.77990-	2	1.02860-	1	1.70350-	5	7.11810-	8			306	4	2	898
0.0	+ 0	2.54000+ 5		0	0			4		0	306	4	2
4.92150-	2	1.02850-	1	1.97730-	5	7.98740-	8			306	4	2	900
0.0	+ 0	2.55000+ 5		0	0			4		0	306	4	2
5.06100-	2	1.02840-	1	2.25260-	5	8.86990-	8			306	4	2	902
0.0	+ 0	2.56000+ 5		0	0			4		0	306	4	2
5.19860-	2	1.02830-	1	2.52940-	5	9.76550-	8			306	4	2	904
0.0	+ 0	2.57000+ 5		0	0			4		0	306	4	2
5.33420-	2	1.02800-	1	2.80750-	5	1.06740-	7			306	4	2	906
0.0	+ 0	2.58000+ 5		0	0			4		0	306	4	2
5.46780-	2	1.02770-	1	3.08690-	5	1.15960-	7			306	4	2	908
0.0	+ 0	2.59000+ 5		0	0			4		0	306	4	2
5.59940-	2	1.02730-	1	3.36770-	5	1.25300-	7			306	4	2	910
0.0	+ 0	2.60000+ 5		0	0			4		0	306	4	2
5.72910-	2	1.02690-	1	3.64960-	5	1.34770-	7			306	4	2	912
0.0	+ 0	2.61000+ 5		0	0			4		0	306	4	2
5.85680-	2	1.02640-	1	3.93270-	5	1.44370-	7			306	4	2	914
0.0	+ 0	2.62000+ 5		0	0			4		0	306	4	2
5.98260-	2	1.02590-	1	4.21700-	5	1.54100-	7			306	4	2	916
0.0	+ 0	2.63000+ 5		0	0			4		0	306	4	2
6.10640-	2	1.02530-	1	4.50230-	5	1.63950-	7			306	4	2	918
0.0	+ 0	2.64000+ 5		0	0			4		0	306	4	2
6.22830-	2	1.02460-	1	4.78860-	5	1.73930-	7			306	4	2	920
0.0	+ 0	2.65000+ 5		0	0			4		0	306	4	2
6.34820-	2	1.02390-	1	5.07590-	5	1.84030-	7			306	4	2	922
0.0	+ 0	2.66000+ 5		0	0			4		0	306	4	2
6.44630-	2	1.02310-	1	5.36420-	5	1.94260-	7			306	4	2	924
0.0	+ 0	2.67000+ 5		0	0			4		0	306	4	2
6.58240-	2	1.02230-	1	5.65340-	5	2.04610-	7			306	4	2	926
0.0	+ 0	2.68000+ 5		0	0			4		0	306	4	2
6.69670-	2	1.02150-	1	5.94340-	5	2.15090-	7			306	4	2	928
0.0	+ 0	2.69000+ 5		0	0			4		0	306	4	2
6.80910-	2	1.02060-	1	6.23430-	5	2.25680-	7			306	4	2	930
0.0	+ 0	2.70000+ 5		0	0			4		0	306	4	2
6.91970-	2	1.01960-	1	6.52590-	5	2.36400-	7			306	4	2	932
0.0	+ 0	2.71000+ 5		0	0			4		0	306	4	2
7.02840-	2	1.01860-	1	6.81830-	5	2.47240-	7			306	4	2	934
0.0	+ 0	2.72000+ 5		0	0			4		0	306	4	2
7.13530-	2	1.01760-	1	7.11140-	5	2.58190-	7			306	4	2	936
0.0	+ 0	2.73000+ 5		0	0			4		0	306	4	2
7.24040-	2	1.01660-	1	7.40520-	5	2.69270-	7			306	4	2	938
0.0	+ 0	2.74000+ 5		0	0			4		0	306	4	2
7.34370-	2	1.01540-	1	7.69960-	5	2.80470-	7			306	4	2	940
0.0	+ 0	2.75000+ 5		0	0			4		0	306	4	2
7.44520-	2	1.01430-	1	7.99470-	5	2.91790-	7			306	4	2	942
0.0	+ 0	2.76000+ 5		0	0			4		0	306	4	2
7.54500-	2	1.01310-	1	8.29030-	5	3.03230-	7			306	4	2	944
0.0	+ 0	2.77000+ 5		0	0			4		0	306	4	2
7.64300-	2	1.01190-	1	8.58650-	5	3.14780-	7			306	4	2	946
0.0	+ 0	2.78000+ 5		0	0			4		0	306	4	2
7.73930-	2	1.01070-	1	8.82330-	5	3.26460-	7			306	4	2	948
0.0	+ 0	2.79000+ 5		0	0			4		0	306	4	2
7.83390-	2	1.00940-	1	9.1L050-	5	3.38250-	7			306	4	2	950

							MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....				
0.0	+ 0 2.80000+ 5	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	2	0	306 4 2	1001			
1.56700-	1 4.79000- 2						306 4 2	1002		
0.0	+ 0 5.97000+ 5	0	0	2	0	306 4 2	1003			

						MAT	MF	MT	SEQ
.....10.....	.....20.....	.....30.....	.....40.....	.....50.....	.....60.....				
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

							MAT	MF	MT	SEQ			
.....	10.....	20.....	30.....	40.....	50.....	60.....							
0.0	+ 0	2.90000+ 6	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	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	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	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	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	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	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	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	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	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	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	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	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	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	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	8		0	306	4	2 1087			
5.81992-	1	3.77011- 1	1.81938- 1	6.56450-	2	1.20167- 2	5.92396-	3	306	4	2 1088		
3.14176-	3	0.0	+ 0					306	4	2 1089			
0.0	+ 0	8.96000+ 6	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	306	4	2 1091		
0.0	+ 0	9.96000+ 6	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	306	4	2 1093	
4.47700-	3	0.0	+ 0					306	4	2 1094			
0.0	+ 0	1.09500+ 7	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	306	4	2 1096	
0.0	+ 0	1.20400+ 7	0	0	8		0	306	4	2 1097			
7.10260-	1	4.77939-	1	2.74958-	1	1.20652-	1	4.08310-	2	306	4	2 1098	
5.10788-	3	1.39871- 3						306	4	2 1099			
0.0	+ 0	1.29400+ 7	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	306	4	2 1101
2.67404-	3	0.0	+ 0					306	4	2 1102			
0.0	+ 0	1.39400+ 7	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	306	4	2 1104
1.34953-	3	0.0	+ 0					306	4	2 1105			
0.0	+ 0	1.40000+ 7	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	306	4	2 1107
2.85068-	3	6.13412- 4						306	4	2 1108			
0.0	+ 0	1.50000+ 7	0	0	8		0	306	4	2 1109			

							MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....				
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	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	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	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	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	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	2	0	0	306	4	16	1128
0.0	+ 0 5.96345+	0	0	1	0	0	306	4	16	1129
0.0	+ 0 0.0	+ 0	0	0	1	15	306	4	16	1130
	15	2	0	0	0	0	306	4	16	1131
0.0	+ 0 6.61394+	6	0	0	1	3	306	4	16	1132
	3	2	0	0	0	0	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	1	21	306	4	16	1135
	21	2	0	0	0	0	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	1144
	21	2	0	0	0	0	306	4	16	1145
-1.00000+	0 8.02220-	-2 -9.00000-	1 8.69890-	-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	1153
	21	2	0	0	0	0	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	1162

			10	20	30	40	50	60	MAT	MF	MT	SEQ
			21		2		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	1155					
-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	1		21	306	4	16	1171				
			21		2		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	1		21	306	4	16	1180				
			21		2		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	1		21	306	4	16	1189				
			21		2		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	1		21	306	4	16	1198				
			21		2		0	0	0		0	306	4	16	1199			
-1.00000+	0	1.99360-	1-9.00000-	1	2.19480-	1-8.00000-	1	.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	1		21	306	4	16	1207				
			21		2		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					

	10	20	30	40	50	60	MAT	MF	MT	SEQ		
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	3.68630-	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	7.59C30-	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	1	11	306	4	51	1264		
0.0	+ 0	2.55140+ 6	0	0	2	0	306	4	51	1265		
0.0	+ 0	0.0	+ 0				306	4	51	1266		
0.0	+ 0	4.83000+ 6	0	0	2	0	306	4	51	1267		
							306	4	51	1268		

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5.90885-	2-1.04122-	1					306	4	51	1269					
0.0	+ 0	5.74000+ 6	0	0	2		0	306	4	51	1270				
1.06160-	1-2.86904-	2					306	4	51	1271					
0.0	+ 0	7.47000+ 6	0	0	2		0	306	4	51	1272				
1.53005-	1-2.45902-	2					306	4	51	1273					
0.0	+ 0	8.96000+ 6	0	0	2		0	306	4	51	1274				
1.63399-	1-1.96078-	2					306	4	51	1275					
0.0	+ 0	9.96000+ 6	0	0	2		0	306	4	51	1276				
1.33333-	1-2.35294-	3					306	4	51	1277					
0.0	+ 0	1.09500+ 7	0	0	4		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	2		0	306	4	51	1280				
2.38095-	1	1.81818-	2				306	4	51	1281					
0.0	+ 0	1.29400+ 7	0	0	2		0	306	4	51	1282				
2.16931-	1	1.26984-	2				306	4	51	1283					
0.0	+ 0	1.39400+ 7	0	0	2		0	306	4	51	1284				
2.15385-	1	2.46154-	2				306	4	51	1285					
0.0	+ 0	2.00000+ 7	0	0	2		0	306	4	51	1286				
2.00000-	1	2.00000- 2					306	4	51	1287					
							306	4	51	1288					
3.00600+	3	5.96345+ 0	0	2	0		0	306	4	52	1289				
0.0	+ 0	5.96345+ 0	0	2	0		0	306	4	52	1290				
0.0	+ 0	0.0 + 0	0	0	1		2	306	4	52	1291				
							0	306	4	52	1292				
0.0	+ 0	4.15931+ 6	0	0	1		2	306	4	52	1293				
							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	0	1		2	306	4	52	1296				
							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	2	0		0	306	4	91	1300				
0.0	+ 0	5.96345+ 0	0	1	0		0	306	4	91	1301				
0.0	+ 0	0.0 + 0	0	0	1		20	306	4	91	1302				
							0	306	4	91	1303				
0.0	+ 0	1.72057+ 6	0	0	1		3	306	4	91	1304				
							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	0	1		21	306	4	91	1307				
							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	0	1		21	306	4	91	1316				
							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	3.63030-	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	21	2	0	0	0	1	21	306	4	91	1325	
-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	21	2	0	0	0	1	21	306	4	91	1334	
-1.00000+	0	2.24210-	1	-9.00000-	1	2.35580-	1	-8.00000-	1	2.59740-	1	306	4	91	1335
-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	21	2	0	0	0	1	21	306	4	91	1343	
-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	21	2	0	0	0	1	21	306	4	91	1352	
-1.00000+	0	2.28880-	1	-9.00000-	1	2.50810-	1	-8.00000-	1	2.65750-	1	306	4	91	1353
-7.00000-	1	2.85090-	1	-6.00000-	1	3.06200-	1	-5.00000-	1	3.22770-	1	306	4	91	1354
-4.00000-	1	3.54710-	1	-3.00000-	1	3.76370-	1	-2.00000-	1	4.05880-	1	306	4	91	1355
-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	5.9070-	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	21	2	0	0	0	1	21	306	4	91	1361	
-1.00000+	0	2.39500-	1	-9.00000-	1	2.55440-	1	-8.00000-	1	2.68530-	1	306	4	91	1362
-7.00000-	1	2.91970-	1	-6.00000-	1	3.09350-	1	-5.00000-	1	3.31940-	1	306	4	91	1363
-4.00000-	1	3.54710-	1	-3.00000-	1	3.76370-	1	-2.00000-	1	4.05880-	1	306	4	91	1364
-1.00000-	1	4.28980-	1	0.0	+ 0	4.64040-	1	1.00000-	1	4.95190-	1	306	4	91	1365
2.00000-	1	5.30060-	1	3.00000-	1	5.9070-	1	4.00000-	1	6.04430-	1	306	4	91	1366
5.00000-	1	6.51170-	1	6.00000-	1	6.96150-	1	7.00000-	1	7.41900-	1	306	4	91	1367
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	21	2	0	0	0	1	21	306	4	91	1370	
-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	21	2	0	0	0	1	21	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

									MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....						
-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	1	21	306	4	91	1379		
21	2	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	1	21	306	4	91	1388		
21	2	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	1	21	306	4	91	1397		
21	2	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	1	21	306	4	91	1406		
21	2	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 3.39630-	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	1	21	306	4	91	1415		
21	2	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	1	21	306	4	91	1424		
21	2	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			

							MAT	MF	MT	SEQ					
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....		
-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	2	0	0	0	1	21	306	4	91	1433		
21	2	0	0	0	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	2	0	0	0	1	21	306	4	91	1442		
21	2	0	0	0	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	2	0	0	0	1	21	306	4	91	1451		
21	2	0	0	0	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	2	0	0	0	1	21	306	4	91	1460		
21	2	0	0	0	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	6.80670-	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	2	0	0	0	1	21	306	4	91	1469		
21	2	0	0	0	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			

										MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....							
0.0	+ 0 0.0	+ 0	0	1	1		2	306	5 16	1481			
	2	2	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	1		15	306	5 16	1484			
	15	2	0	0	0		0	306	5 16	1485			
0.0	+ 0 6.61394+	6	0	0	1		3	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			
0.0	+ 0 7.00000+	6	0	0	1		21	306	5 16	1489			
	21	2	0	0	0		0	306	5 16	1490			
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	1		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	1		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	1		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	1		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	1		21	306	5	16	1534			
	21	2		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	1		21	306	5	16	1543			
	21	2		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	2.53330C	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	3.95930J+	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	1		21	306	5	16	1552			
	21	2		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	2.01030-	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	1		21	306	5	16	1561			
	21	2		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	1		21	306	5	16	1570			
	21	2		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	1		21	306	5	16	1579			
	21	2		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

										MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....							
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			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	1		21	306	5 16 1597
	21		2		0			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			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	6.55640-	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			1	1			2	306 5 .91 1617
	2		2		0			0	0			0	306 5 .91 1618
1.72057+	6	1.00000+	0	2.00000+	7	1.00000+	0					306	5 .91 1619
0.0	+ 0	0.0	+ 0		0			0	1			20	306 5 .91 1620
	20		2		0			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			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			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	.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			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

										MAT	MF	MT	SEQ
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....
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	0	1	21	306	5 91 1643		
21	2	0	0	0	0	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	2.46520-	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	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	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	3.466100-	7	2.25480+	6	3.03380-	7	2.46030+	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	2.35810-	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	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	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	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

										MAT	MF	MT	SEQ	
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....	
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	0	1		21	306	5 91	1697	
21	2	0	0	0	0	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	0	1		21	306	5 91	1706	
21	2	0	0	0	0	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	0	1		21	306	5 91	1715	
21	2	0	0	0	0	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	0	1		21	306	5 91	1724	
21	2	0	0	0	0	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	0	1		21	306	5 91	1733	
21	2	0	0	0	0	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
1.12720+	7	1.02390-	8	1.18960+	7	4.15110-	9	1.25221+	7	0.0	+ 0	306	5 91	1741
0.0	- 0	1.50000+	7	0	0	0	0	1		21	306	5 91	1742	
21	2	0	0	0	0	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

										MAT	MF	MT	SEQ
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....
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	0	0	1		21	306	5 91 1751	
21	2	0	0	0	0	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	0	0	1		21	306	5 91 1760	
21	2	0	0	0	0	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
4.55730+	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	7.824680-	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	0	0	1		21	306	5 91 1769	
21	2	0	0	0	0	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
7.43620+	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	0	0	1		21	306	5 91 1778	
21	2	0	0	0	0	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	5.13390+	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	0	0	1		21	306	5 91 1787	
21	2	0	0	0	0	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
1.1160+	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	

							MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....				
3.56200+	6	3.56200+	6	0	2	1	2	30612	52	1799
2		2		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