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EVALUATION OF NEUTRON NUCLEAR DATA  
OF  $^7\text{Li}$  FOR JENDL-3

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Keiichi SHIBATA

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

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Evaluation of Neutron Nuclear Data of  $^7\text{Li}$  for JENDL-3

Keiichi SHIBATA

Department of Physics

Tokai Research Establishment, JAERI

( Received October 18, 1984 )

Neutron nuclear data of  $^7\text{Li}$  have been evaluated for JENDL-3 in the energy range from  $10^{-5}$  eV to 20 MeV. Evaluated quantities are the total, elastic and inelastic scattering, radiative capture, photon-production,  $(n,2n)$ ,  $(n,d)$  and  $(n,n')$  reaction cross sections and the angular and energy distributions of secondary neutrons. For the inelastic scattering two discrete levels were taken into consideration. The energy-angle distributions of neutrons from the inelastic scattering to continuum and the  $(n,2n)$  reaction were calculated with the three-body phase-space model.

Keywords: Evaluation, Neutron Nuclear Data, Lithium-7, Cross Section, JENDL-3, Phase-space Model,  $10^{-5}$  eV ~ 20 MeV

JENDL-3 のための  $^7\text{Li}$  の中性子核データの評価

日本原子力研究所東海研究所物理部

柴 田 恵 一

(1984年10月18日受理)

JENDL-3 のために  $^7\text{Li}$  の中性子核データを  $10^{-5}\text{eV}$  から  $20\text{MeV}$  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、 $(n, d)$  反応断面積、 $(n, n') \alpha t$  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。非弾性散乱では2本の離散準位を考慮した。連続準位への非弾性散乱および $(n, 2n)$  反応のエネルギー・角度分布は3体位相空間模型により計算した。

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## 1. Introduction

The second version of Japanese Evaluated Nuclear Data Library (JENDL-2) was released in December 1982. The data of  $^7\text{Li}$  were included<sup>1)</sup> in the library. However there exist some problems in them:

- 1) For the inelastic scattering, only the first excited level was treated as discrete.
- 2) As for the  $(n,n')$ at reaction the activation data measured by Liskien et al.<sup>2)</sup>, which were published after the release of JENDL-2, could not be taken into consideration.
- 3) The cross sections for the  $(n,2n)$  and  $(n,d)$  reactions were taken from ENDF/B-IV without any examinations.
- 4) The evaporation spectra were taken also from ENDF/B-IV for the  $(n,2n)$  and  $(n,n')$ at reactions.

These problems had to be resolved in the next evaluation for the third version (JENDL-3). In addition to such a situation, at the beginning of 1983, we were requested to prepare the evaluated data set for the analysis of Japan-USA joint mock-up experiment on fusion blankets using the Fusion Neutronics Source (FNS) facility at JAERI. Thus, we decided to re-evaluate the whole data of  $^7\text{Li}$  both for that analysis and for JENDL-3 with high priority.

This report describes the procedure and the results of the re-evaluation for each reaction. The status of the presently evaluated quantities is given in Table 1. The evaluated data are compiled in the ENDF/B-V format, and they are listed in Appendix.

## 2. Total Cross Section

Above 100 keV, we relied on the same experimental data<sup>3-6)</sup> as those used for the JENDL-2 evaluation. As a result the total cross sections remain the JENDL-2 data in this energy region. Below 100 keV, the cross section was given by the following expression:

$$\sigma_{\text{tot}} = 0.97 + \sigma_{n,\gamma} \text{ barns},$$

where  $\sigma_{n,\gamma}$  is the radiative capture cross section. The value of 0.97 is the thermal scattering cross-section value recommended by Mughabghab et al.<sup>7)</sup> The presently evaluated total cross section is shown in Fig. 1 by comparing with ENDF/B-IV.

## 3. Elastic Scattering

As for the thermal cross section, the value of 970 mb was recommended by Mughabghab et al.<sup>7)</sup> We adopted this value in the energy range from  $10^{-5}$  eV to 100 keV.

Above 100 keV the cross section was given by the difference between the total and reaction cross sections. The  $(n,2n)$  reaction cross section was slightly adjusted so that the evaluated elastic scattering cross section might be consistent with experimental data. Figure 2 shows the present result, and a sum of the  $(n,n_0)$  and  $(n,n_1)$  cross sections is also shown by a dashed line. In most experiments the inelastically scattered neutrons for the first excited level (0.478 MeV) cannot be separated from the elastic ones. The recent measurements<sup>8-12)</sup> include the  $(n,n_1)$  contribution, while Knitter and Coppola<sup>13)</sup> deduced the pure elastic scattering cross sections using the time-of-flight method. As seen in Fig. 2, the present result is consistent with these measurements. In particular, the agreement between our evaluation and the experimental data of Knox et al.<sup>9)</sup> is excellent around the

resonance at 4.4 MeV.

The elastic angular distribution was assumed to be isotropic in the center-of-mass system below 10 keV. Between 10 keV and 4 MeV, it was obtained from the R-matrix calculations using the parameters of Knox and Lane<sup>14)</sup>, and the result is shown in Fig. 3 by comparing with experimental data. Above 4 MeV the JENDL-2 data were adopted.

#### 4. Inelastic Scattering

In the present evaluation two discrete levels (0.478 and 4.63 MeV) were considered for the inelastic scattering. The first excited level decays by emitting  $\gamma$ -rays, and so the  $(n, n'\gamma)$  data are useful to estimate the cross section for this level. It is well-known<sup>15)</sup> that the second excited level (4.63 MeV) decays through the process  ${}^7\text{Li}^* \rightarrow \alpha + t$ , and so it contributes to the  $(n, n')\alpha t$  reaction. Standing on the particle emissions, the  $(n, n')\alpha t$  is considered to be one of the inelastic scattering process. In the present data file, the cross section for the inelastic scattering to continuum (MT=91) was defined as the difference between the  $(n, n')\alpha t$  and  $(n, n_2)$  cross sections.

##### 4.1 First Level (0.478 MeV)

There is inconsistency among existing experimental data. The JENDL-2 evaluation<sup>1)</sup> was based on the measurements of Presser and Bass<sup>16)</sup> and of Benveniste et al.<sup>17)</sup>. From re-examination of experimental data, however, it was found that the reliability of the data measured by Morgan<sup>18)</sup> was high as compared with the above data. Moreover, the most recent data of Olsen et al.<sup>19)</sup>, which were measured between 0.5 to 5.5 MeV, are consistent with those of Morgan<sup>18)</sup>. Thus, we adopted Morgan's data in the present work, and obtained the evaluated data with the

spline-function fitting. Figure 4 shows the present result together with other evaluated data and measured data. It is obvious that ENDF/B-IV gives too large width to the resonance around 4 MeV.

The angular distribution was assumed to be isotropic in the center-of-mass system.

#### 4.2 Second Level (4.63 MeV)

The evaluated data were obtained from the following experimental data with the eye-guide method:

Hogue et al. <sup>10)</sup>	(1979), 9 MeV ~ 14 MeV,
Baba et al. <sup>11)</sup>	(1980), 6.6 MeV, 15.4 MeV,
Lisowski et al. <sup>12)</sup>	(1980), 5.96 MeV, 9.83 MeV.

In Fig. 5 is shown the evaluated result.

The angular distribution was also assumed to be isotropic in the center-of-mass system.

#### 5. The ( $n, n'$ )<sub>at</sub> Reaction

After the JENDL-2 evaluation, the activation data of Liskien et al.<sup>2)</sup> were published. They provided the cross section in the energy range from 5 to 8 MeV and from 13 to 16 MeV. At this time two reliable activation data of Liskien et al.<sup>2)</sup> and of Smith et al.<sup>20)</sup> were employed for the evaluation. Figure 6 shows the result together with JENDL-2 and ENDF/B-IV. The 14-MeV value of the present evaluation as well as those of other evaluated data is given as follows:

Present work	286.2 mb,
JENDL-2	319.1 mb,
ENDF/B-IV	335.0 mb.

It is found that the present value is about 15% smaller than that of

ENDF/B-IV at 14 MeV. The new Los Alamos evaluation<sup>21)</sup> is almost consistent with our evaluation below 10 MeV, but is larger than ours above 10 MeV. Recently Maekawa et al.<sup>22)</sup> have measured this cross section at 14.9 MeV by using the FNS facility, and deduced a value of  $259 \pm 18$  mb. This value is in good agreement with our evaluation.

As described previously, the cross section for the inelastic scattering to continuum (MT=91) was given by the difference between the evaluated  $(n, n')$ <sub>at</sub> and  $(n, n_2)$  cross sections in the present data file. For users' convenience, however, it was required to store the  $(n, n')$ <sub>at</sub> cross section itself. Accordingly the  $(n, n')$ <sub>at</sub> cross section was given as the total tritium-production cross section (MT=205) in this work.

## 6. The $(n, d)$ Reaction

There are a few experimental data only at 14 MeV. Thus, the cross section was calculated with DWBA by assuming the proton pickup mechanism. As the optical potentials, the neutron parameters of Watson et al.<sup>23)</sup> and the deuteron parameters of Bingham et al.<sup>24)</sup> were used in the calculations, and they are listed in Table 2. The bound state wave-function for the  $p + {}^6\text{He}$  system was calculated by the conventional separation-energy method, and the form factor parameters are given in Table 3. Normalization was taken so that the cross section at 14.1 MeV might give a value of 9.8 mb which was obtained by Battat and Ribe<sup>25)</sup> using the activation method. From the normalization factor we deduced the spectroscopic factor for the  $p + {}^6\text{He}$  system in the  $1p_{3/2}$  state. The value is 0.81, and it is in good agreement with the theoretical value of 0.89 calculated by Cohen and Kurath<sup>26)</sup>. The presently evaluated curve is shown in Fig. 7.

## 7. The ( $n,2n$ ) Reaction

As for the ( $n,2n$ ) reaction, experimental data are very scarce. The data of Ashby et al.<sup>27)</sup> and of Mather and Pain<sup>28)</sup> are consistent with each other, but inconsistent with that of McTaggart<sup>29)</sup> at 14 MeV. At present the evaluation was made on the basis of the former two measurements. The cross section was slightly modified so that the elastic scattering cross section given by the difference between the total and reaction cross section might be consistent with experimental data.

Figure 8 shows the present result by comparing with ENDF/B-IV. In ENDF/B-IV the ( $n,2n$ ) cross section consists of two components, i.e., ( $n,2n$ )<sup>6</sup>Li (MT=16) and ( $n,2n$ )ad (MT=24). However, this division is quite arbitrary. Hence, in the present evaluation, the cross section was not divided into these two components.

## 8. Radiative Capture Reaction

We adopted the JENDL-2 data<sup>1)</sup> for this reaction, i.e.,

$$\sigma_{n,\gamma} = 7.22 \times 10^{-3} [E_n(\text{eV})]^{-1/2} \text{ barns.}$$

## 9. Photon Production

### 9.1 The ( $n,n_1\gamma$ ) Reaction

The first excited level (0.478 MeV) of <sup>7</sup>Li is known<sup>15)</sup> to decay by emitting  $\gamma$ -rays, which have isotropic angular distributions, with a probability of 100%. Therefore, we gave a value of 1.0 to the multiplicity.

### 9.2 The ( $n,\gamma$ ) Reaction

The capture  $\gamma$ -ray intensities were measured by Jurney<sup>30)</sup> for thermal neutrons. We deduced the  $\gamma$ -ray multiplicities from his data.

The result is the following:

Transition	Multiplicity
cap. $\rightarrow$ g.s.	0.894
cap. $\rightarrow$ 0.98 MeV	0.106
0.98 MeV $\rightarrow$ g.s.	0.106

The angular distribution of the  $\gamma$ -rays was assumed to be isotropic.

## 10. Energy-Angle Distributions of Secondary Neutrons

The double differential cross sections for the inelastic scattering to continuum and for the  $(n,2n)$  reaction were calculated with the phase-space model as done<sup>31)</sup> in the case of  $^6\text{Li}$ . They are given in File 6 of the ENDF/B format. The energy- and angle-integrated distributions were also calculated, and given in File 4 and File 5, respectively.

## 11. Concluding Remarks

Evaluation of neutron nuclear data for  $^7\text{Li}$  has been performed for JENDL-3 in the energy range from  $10^{-5}$  eV to 20 MeV.

In the present evaluation, two discrete levels were considered for the inelastic scattering. Moreover, the  $(n,n')$ at reaction cross section was evaluated by taking account of the activation data measured by Liskien et al.<sup>2)</sup>

The present evaluated data of  $^7\text{Li}$  have been stored in JENDL-3PR1 (JENDL-3 Preliminary Version 1) together with  $^6\text{Li}$ ,  $^{12}\text{C}$ ,  $^{16}\text{O}$ , Cr, Fe and Ni. The JENDL-3PR1 data are employed for the analyses of the FNS experiment and of the universities cooperation program of integral experiments using the OKTAVIAN facility at Osaka University.

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Table 1 Status of presently evaluated quantities.

Quantities	<u>Energy range(eV)</u> <sup>*</sup>		Comments
	min	max	
<b>a) Cross sections</b>			
Total	1.0 -5	2.0+7	Fig. 1
Elastic scattering	1.0 -5	2.0+7	Fig. 2
Nonelastic scattering	1.0 -5	2.0+7	
Total inelastic scattering	5.46+5	2.0+7	
Inelastic scattering			
to the 1st level	5.46+5	2.0+7	Fig. 4
to the 2nd level	5.3 +6	2.0+7	Fig. 5
to the continuum levels	2.82+6	2.0+7	
(n,n')at	2.82+6	2.0+7	Fig. 6
(n, $\gamma$ )	1.0 -5	2.0+7	
(n,d)	8.87+6	2.0+7	Fig. 7
(n,2n)	8.3 +6	2.0+7	Fig. 8
<b>b) Angular distributions of secondary neutrons</b>			
Elastic scattering	1.0 -5	2.0+7	Fig. 3
Inelastic scattering	5.46+5	2.0+7	
(n,2n)	8.3 +6	2.0+7	
<b>c) Energy distributions of secondary neutrons</b>			
Inelastic scattering to the continuum levels	2.82+6	2.0+7	
(n,2n)	8.3 +6	2.0+7	
<b>d) Energy-angle distributions of secondary neutrons</b>			Phase-space model
Inelastic scattering to the continuum levels	2.82+6	2.0+7	
(n,2n)	8.3 +6	2.0+7	
<b>e) Photon-production cross sections and photon angular distributions</b>			
(n, $\gamma$ )	1.0 -5	2.0+7	
(n,n <sub>1</sub> $\gamma$ )	5.46+5	2.0+7	

\* 2.0+7 denotes  $2.0 \times 10^7$ .

Table 2 Optical potential parameters used in the DWBA calculations.

$V$ (MeV)	$W_s$ (MeV)	$V_{so}$ (MeV)	$r_0$ (fm)	$r_s$ (fm)	$r_c$ (fm)	$a$ (fm)	$b$ (fm)	Ref.
Neutron potential for $^7\text{Li}$								
56.14-0.3×E	8.17-0.06×E	5.5	1.15-0.001×E	1.15-0.001×E	0.00	0.57	0.5	23)
Deuteron potential for $^6\text{He}$								
92.5	18.1	8.6	2.17	2.35	2.17	0.61	0.25	24)

$r_{so} = r_0$  and  $a_{so} = a$ .

The symbol E stands for the center-of-mass energy in MeV unit.

Table 3 Form-factor parameters for the p +  $^6\text{He}$  system.

$r_0$ (fm)	$r_c$ (fm)	$a$ (fm)
1.25	1.25	0.65

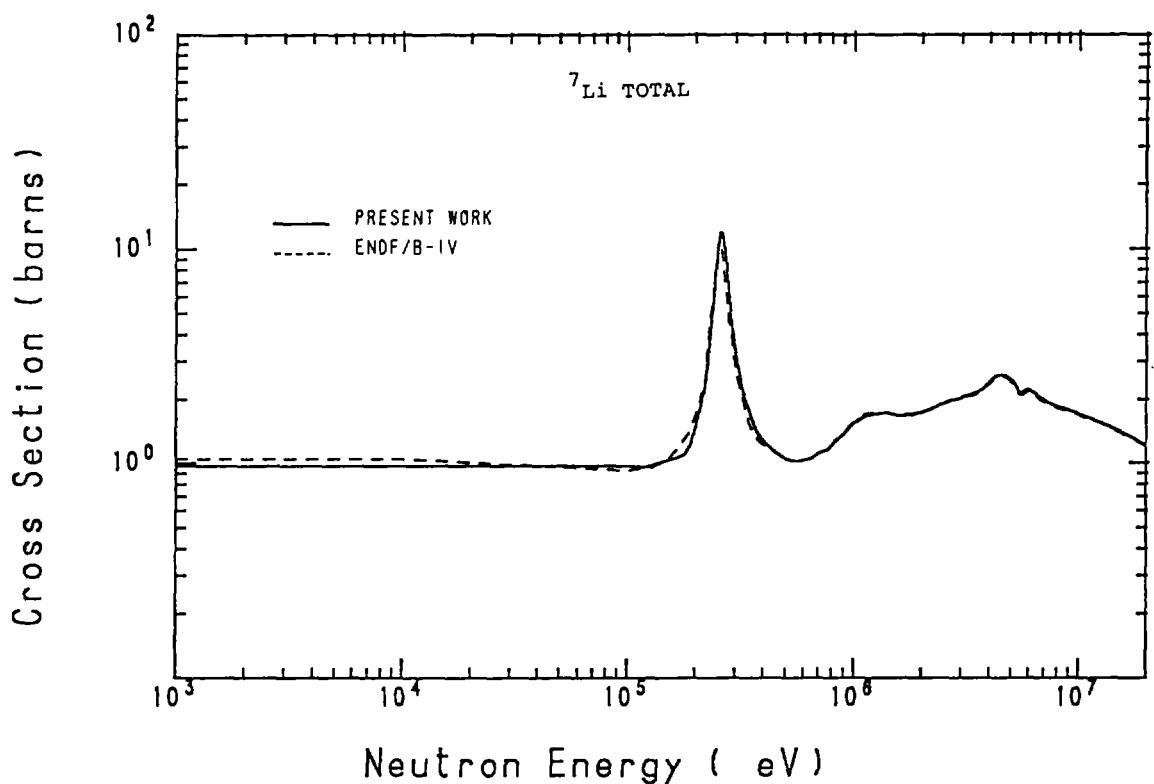


Fig. 1 Evaluated total cross sections from 1 keV to 20 MeV.

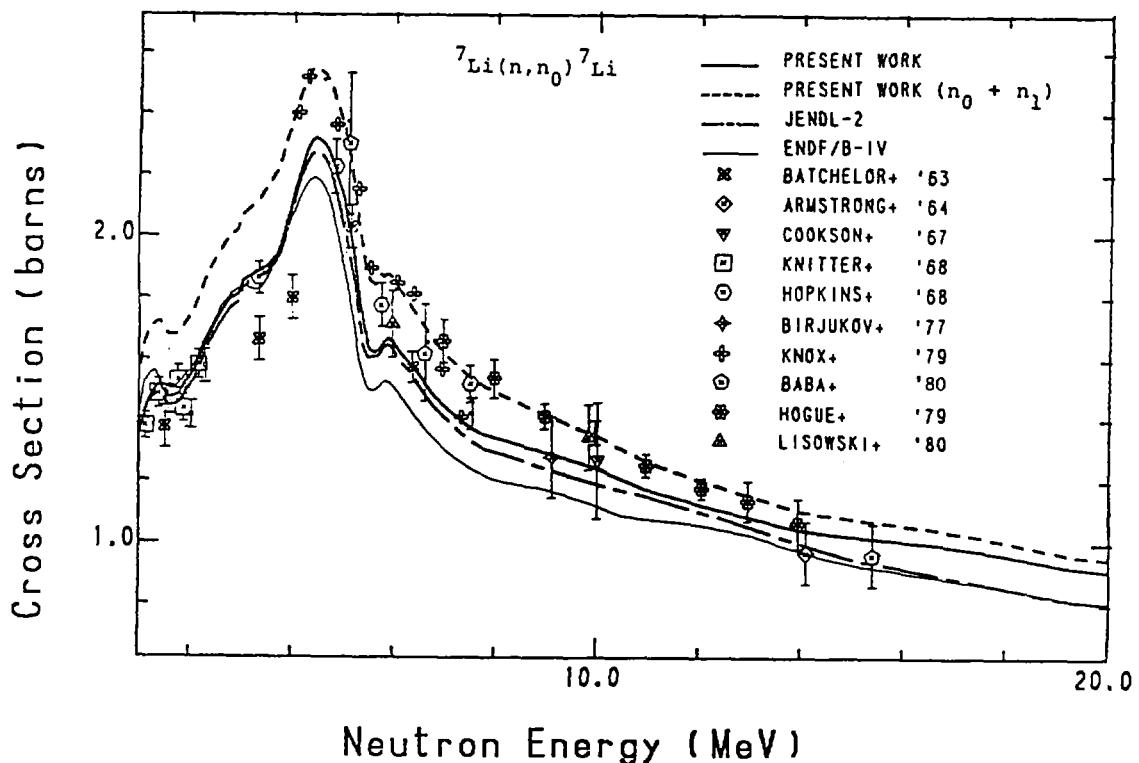


Fig. 2 Measured and evaluated elastic scattering cross sections from 1 MeV to 20 MeV.

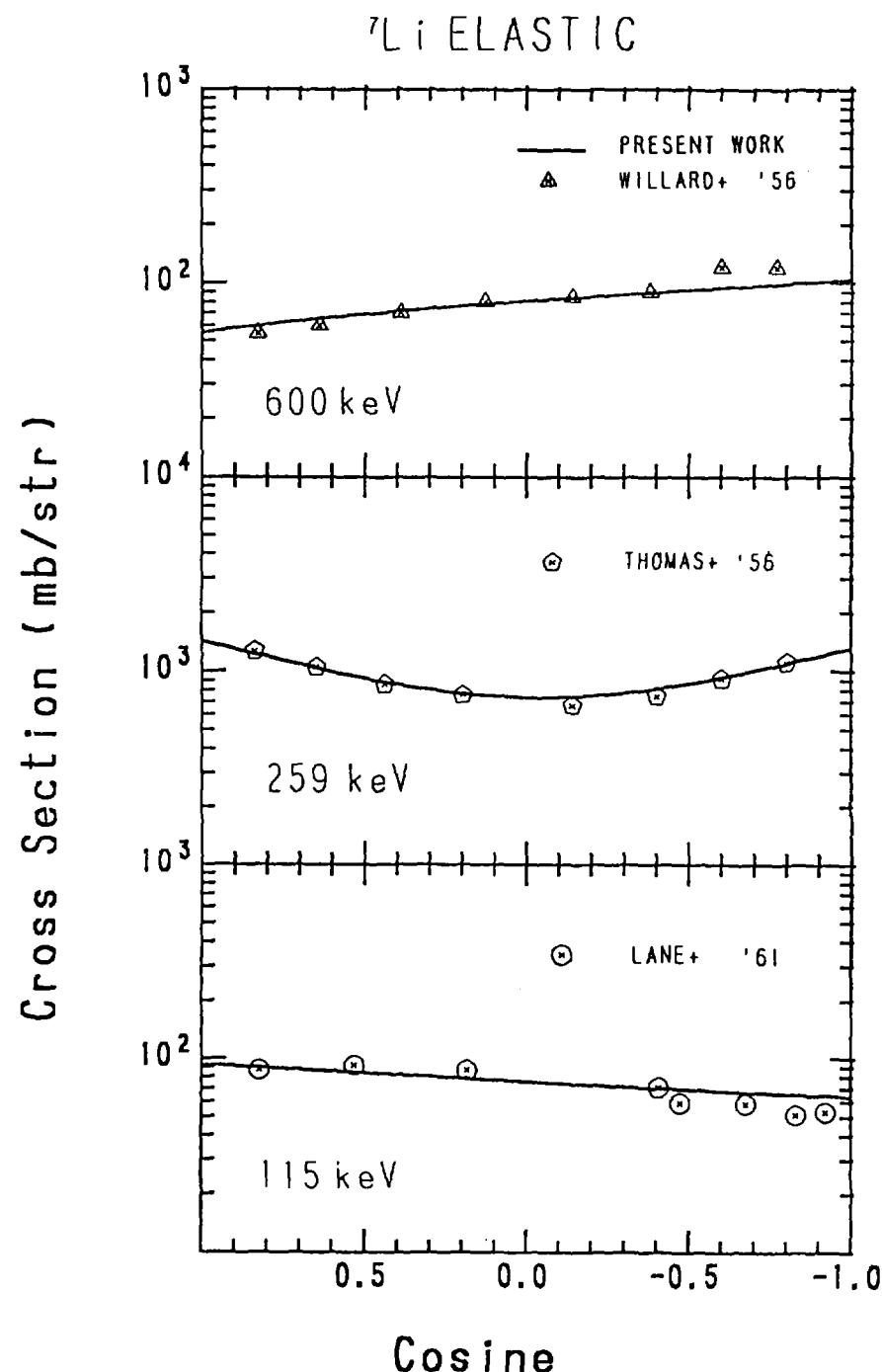
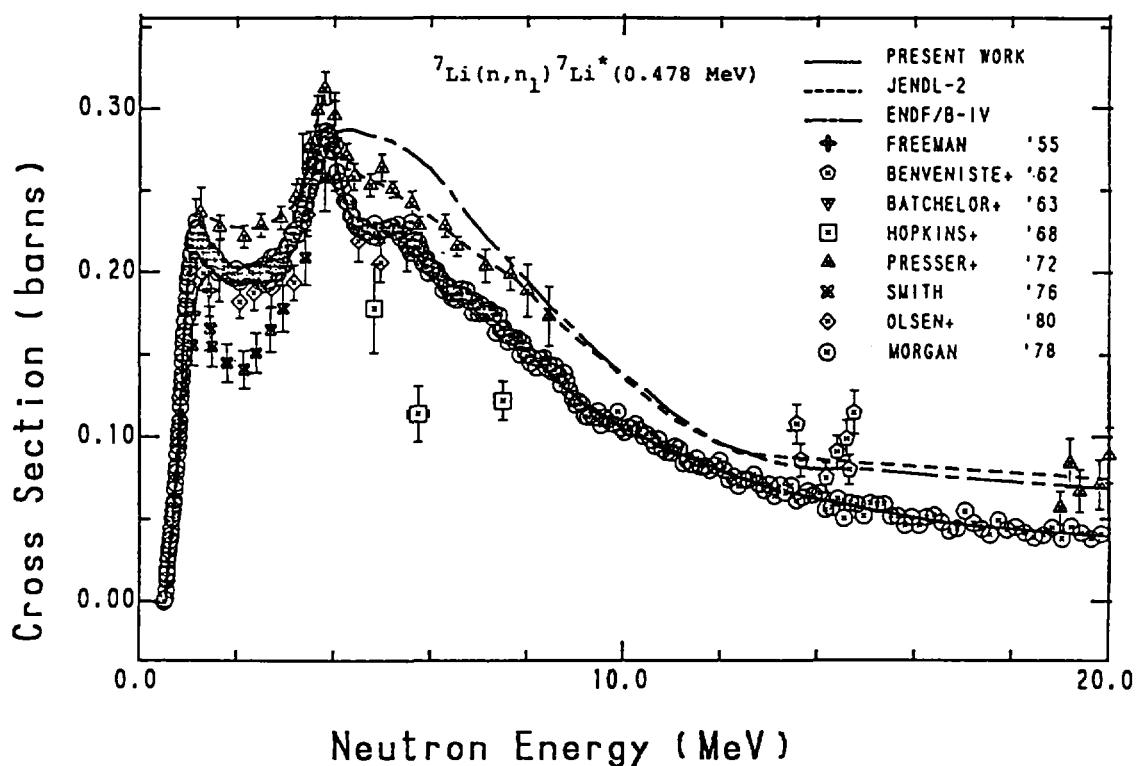
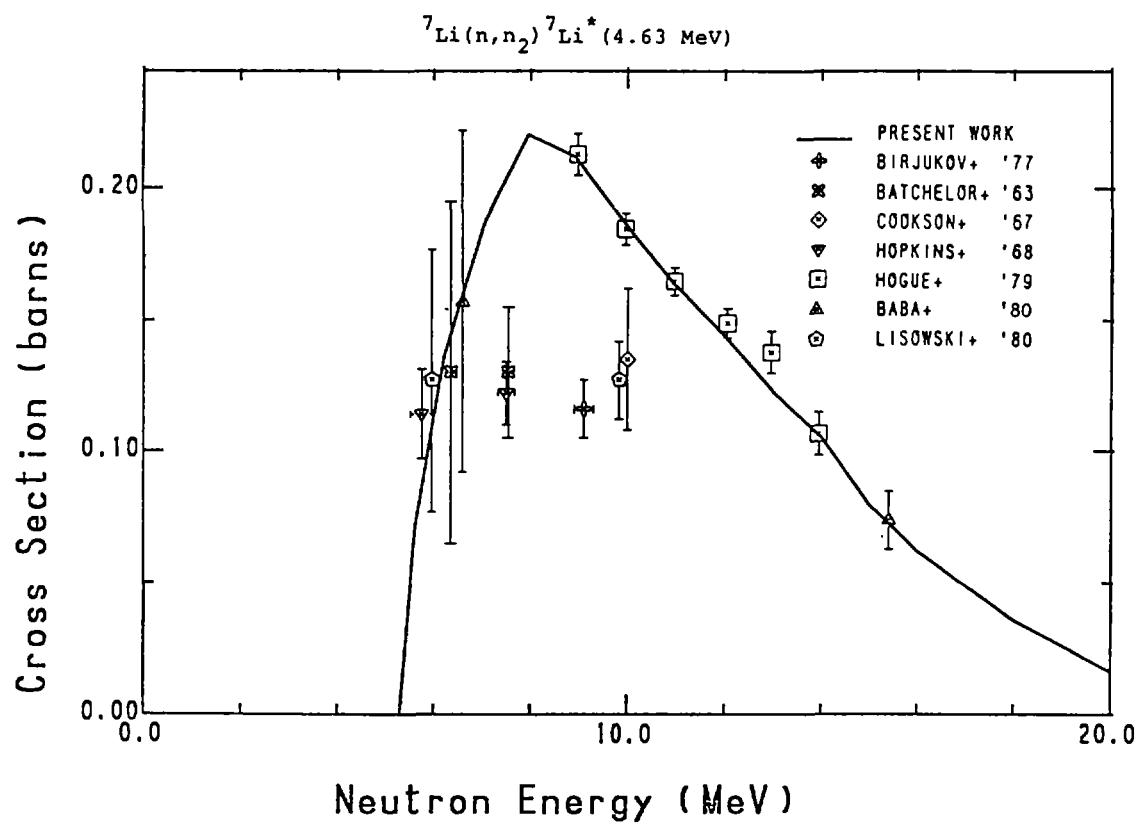
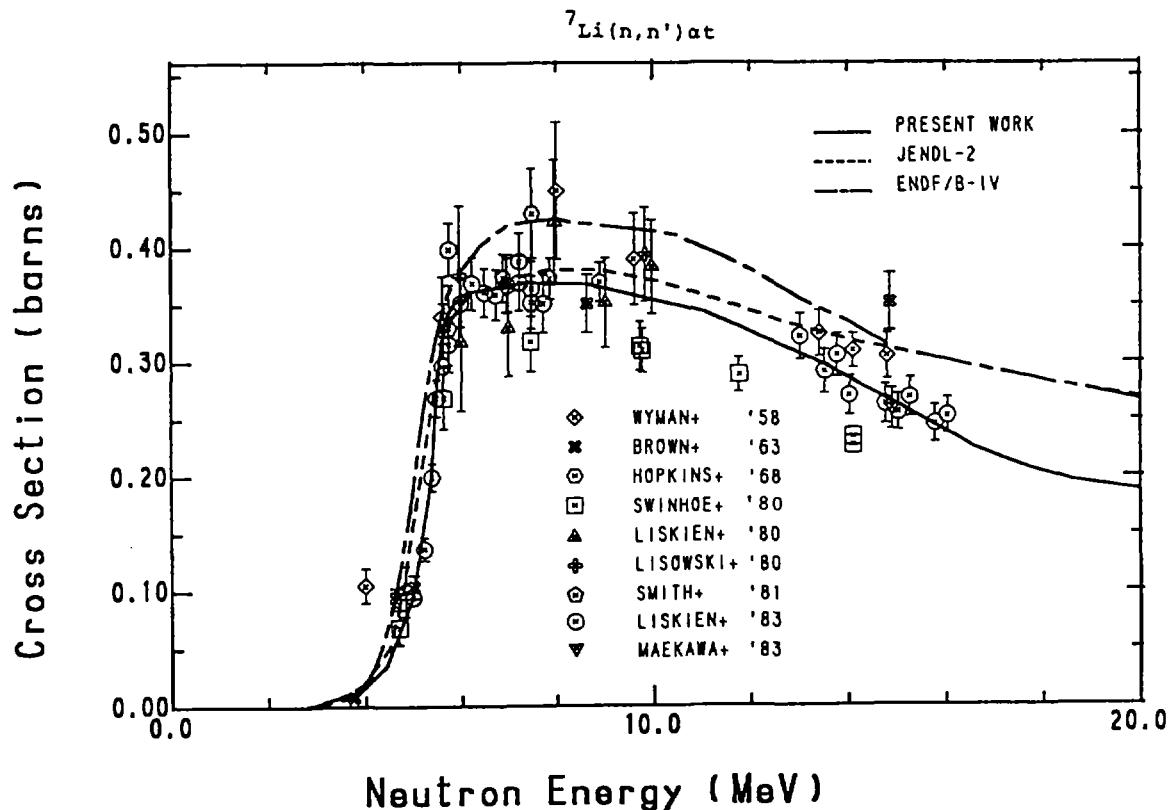
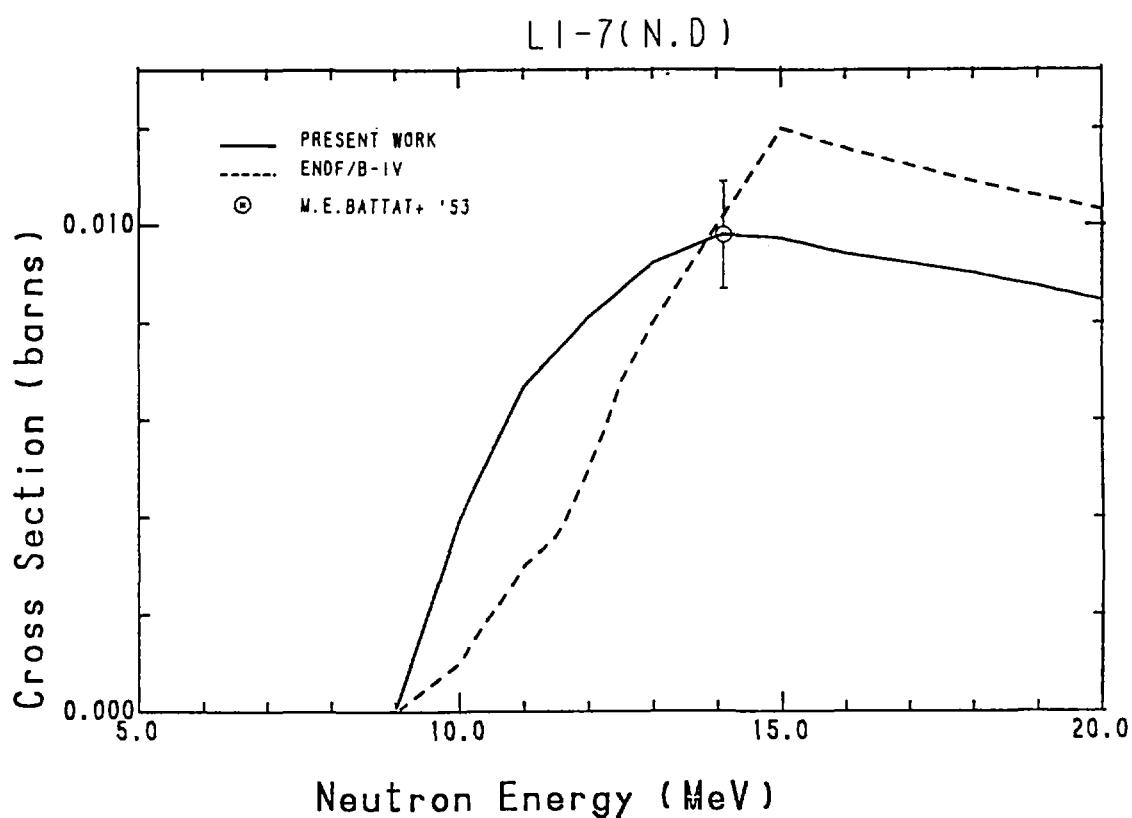
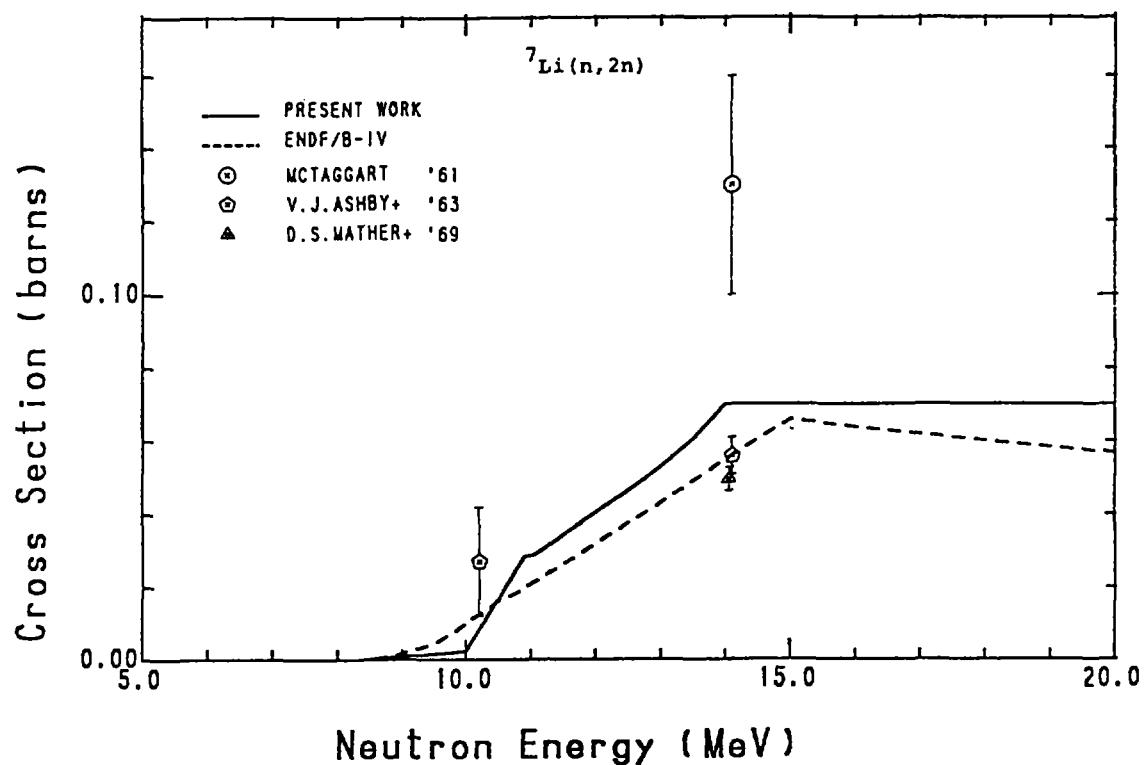


Fig. 3 Measured and evaluated elastic angular distributions.

Fig. 4 Measured and evaluated  $(\text{n}, \text{n}_1)$  cross sections.Fig. 5 Measured and evaluated  $(\text{n}, \text{n}_2)$  cross sections.

Fig. 6 Measured and evaluated  $(n,n')$  cross sections.Fig. 7 Measured and evaluated  $(n,d)$  cross sections.

Fig. 8 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.....								
3.00700+ 3 6.95573+ 0	0	0	0	0	0	307	1451	1
0.0 + 0 0.0 + 0	0	0	0	0	0	307	1451	2
0.0 + 0 0.0 + 0	0	0	104	25	307	1451	3	
3-LI- 7 JAERI	EVAL-DEC83	K.SHIBATA			307	1451	4	
	DIST-JUL84				307	1451	5	
HISTORY					307	1451		6
83-12	NEWLY EVALUATED BY K.SHIBATA				307	1451		7
84-07	DATA OF MF=4 (MT=16,91) AND MF=5 (MT=16,91) WERE REVISED.	COMMENT WAS ALSO MODIFIED.			307	1451		8
MF=1	GENERAL INFORMATION				307	1451		9
MT=451	DESCRIPTIVE DATA				307	1451		10
MF=2	RESONANCE PARAMETERS				307	1451		11
MT=151	SCATTERING RADIUS ONLY.				307	1451		12
MF=3	CROSS SECTIONS				307	1451		13
MT=1	SIG-T				307	1451		14
	BELOW 100 KEV, SIG-T = 0.97 + SIG-CAP (BARNs).				307	1451		15
	ABOVE 100 KEV, BASED ON THE EXPERIMENTAL DATA /1/-/4/.				307	1451		16
MT=2	SIG-EL				307	1451		17
	BELOW 100 KEV, SIG-EL = 0.97 (BARNs).				307	1451		18
	ABOVE 100 KEV, SIG-EL = SIG-T - SIG-CAP.				307	1451		19
MT=3	NON-ELASTIC				307	1451		20
	SUM OF MT=4, 16, 102 AND 104.				307	1451		21
MT=4	TOTAL INELASTIC				307	1451		22
	SUM OF MT=51, 52 AND 91.				307	1451		23
MT=16	(N,2N)				307	1451		24
	BASED ON THE EXPERIMENTAL DATA /5/,/6/.				307	1451		25
MT=51	SIG-IN 0.478 MEV				307	1451		26
	BASED ON THE (N,N'GAMMA) DATA OF MORGAN /7/.				307	1451		27
MT=52	SIG-IN 4.63 MEV				307	1451		28
	BASED ON THE EXPERIMENTAL DATA /8/-/10/.				307	1451		29
MT=91	SIG-IN CONTINUUM				307	1451		30
	THIS CROSS SECTION WAS OBTAINED BY SUBTRACTING THE				307	1451		31
	CONTRIBUTION OF MT=52 FROM THE (N,N')ALPHA-T CROSS				307	1451		32
	SECTION (MT=205).				307	1451		33
MT=102	CAPTURE				307	1451		34
	1/V NORMALIZED TO THE THERMAL MEASUREMENT /11/.				307	1451		35
MT=104	(N,D)				307	1451		36
	THE (N,D) CROSS SECTION WAS CALCULATED WITH DWBA.				307	1451		37
	NORMALIZATION WAS TAKEN SO THAT THE CALCULATED CROSS				307	1451		38
	SECTION MIGHT BE CONSISTENT WITH THE ACTIVATION DATA /12/.				307	1451		39
MT=205	(N,N')ALPHA-T				307	1451		40
	BASED ON THE EXPERIMENTAL DATA OF SMITH ET AL. /13/ AND				307	1451		41
	LISKIEN ET AL./14/.				307	1451		42
MT=251	MU-BAR				307	1451		43
	CALCULATED FROM THE DATA IN FILE4.				307	1451		44
					307	1451		45
					307	1451		46
					307	1451		47
					307	1451		48
					307	1451		49

		MAT	MF	MT	SEQ
.....10.....20.....30.....40.....50.....60.....	ANGULAR DISTRIBUTIONS OF SECONDARY NEUTRONS	307	1451	50	
MF=4		307	1451	51	
MT=2	BELLOW 4 MEV, R-MATRIX CALCULATION.	307	1451	52	
	BETWEEN 4 MEV AND 14 MEV, BASED ON THE EXPERIMENTAL	307	1451	53	
	DATA /8/,/15/.	307	1451	54	
	ABOVE 14 MEV, OPTICAL MODEL CALCULATION. THE POTENTIAL	307	1451	55	
	PARAMETERS WERE TAKEN FROM WATSON ET AL./16/.	307	1451	56	
MT=16	CALCULATED WITHE THE 3-BODY PHASE-SPACE MODEL.	307	1451	57	
	ANGULAR DISTRIBUTIONS ARE GIVEN IN THE LABORATORY SYSTEM.	307	1451	58	
MT=51,52	ASSUMED TO BE ISOTROPIC IN THE CENTER-OF-MASS SYSTEM.	307	1451	59	
MT=91	CALCULATED WITHE THE 3-BODY PHASE-SPACE MODEL.	307	1451	61	
	ANGULAR DISTRIBUTIONS ARE GIVEN IN THE LABORATORY SYSTEM.	307	1451	62	
MF=5	ENERGY DISTRIBUTION OF SECONDARY NEUTRONS	307	1451	63	
MT=16, 91	PHASE-SPACE FACTORS WERE CALCULATED.	307	1451	64	
		307	1451	65	
MF=6	ENERGY-ANGULAR DISTRIBUTIONS FOR SECONDARY NEUTRONS	307	1451	66	
	USE OF FILE6 IS RECOMMENDED FOR TRANSPORT CALCULATIONS.	307	1451	67	
MT=16 91	PHASE-SPACE FACTORS	307	1451	68	
		307	1451	69	
MF=12	PHOTON-PRODUCTION MULTIPLICITIES	307	1451	70	
MT=51	M=1.0	307	1451	71	
MT=102	MULTIPLICITIES WERE OBTAINED FROM REF./17/.	307	1451	72	
		307	1451	73	
		307	1451	74	
MF=14	PHOTON ANGULAR DISTRIBUTIONS	307	1451	75	
MT=51	ISOTROPIC	307	1451	76	
MT=102	ASSUMED TO BE ISOTROPIC.	307	1451	77	
		307	1451	78	
		307	1451	79	
		307	1451	80	
REFERENCES		307	1451	81	
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9) BABA M. ET AL.: PROC. INT. CONF. NUCLEAR CROSS SECTIONS		307	1451	90	
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12) BATTAT M.E. AND RIBE F.L.: PHYS. REV. 89 (1953) 80.		307	1451	94	
13) SMITH D.L. ET AL.: NUCL. SCI. ENG. 78 (1981) 359.		307	1451	95	
14) LISKIEN H. ET AL.: PROC. INT. CONF. NUCLEAR DATA FOR		307	1451	96	
		307	1451	97	
		307	1451	98	
		307	1451	99	
		307	1451	100	
		307	1451	101	
		307	1451	102	

					MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....		
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15) KNOX H.D. ET AL.: NUCL. SCI. ENG. 69 (1979) 223.							307	1451
16) WATSON B.A. ET AL.: PHYS. REV. 182 (1969) 977.							307	1451
17) AJZENBERG-SELOVE F. AND LAURITSEN T.: NUCL. PHYS. A227(1974)1.							307	1451
							307	1451
	1	451		132			307	1451
	2	151		4			307	1451
	3	1		77			307	1451
	3	2		116			307	1451
	3	3		87			307	1451
	3	4		41			307	1451
	3	16		14			307	1451
	3	51		30			307	1451
	3	52		8			307	1451
	3	91		15			307	1451
	3	102		8			307	1451
	3	104		8			307	1451
	3	205		10			307	1451
	3	251		22			307	1451
	4	2		133			307	1451
	4	16		115			307	1451
	4	51		10			307	1451
	4	52		10			307	1451
	4	91		169			307	1451
	5	16		117			307	1451
	5	91		171			307	1451
	12	51		4			307	1451
	12	102		13			307	1451
	14	51		1			307	1451
	14	102		1			307	1451
							307	1 0
							307	0 0
								134
3.00700+ 3 6.95573+ 0		0		0	1		0	307 2151
3.00700+ 3 1.00000+ 0		0		0	1		0	307 2151
1.00000- 5 1.00000+ 5		0		0	0		0	307 2151
1.50000+ 0 3.70000- 1		0		0	0		0	307 2151
							307	2 0
							307	0 0
								139
3.00700+ 3 6.95573+ 0		0		99	0		0	307 3 1
0.0 + 0 0.0 + 0		0		0	2		222	307 3 1
12 5 222		2		0	0		0	307 3 1
								143
1.00000- 5 3.25358+ 0 1.00000- 4 1.69213+ 0 1.00000- 3 1.19836+ 0							307	3 1
1.00000- 2 1.04221+ 0 2.53000- 2 1.01540+ 0 1.00000- 1 9.92836- 1							307	3 1
1.00000+ 0 9.77221- 1 1.00000+ 1 9.72284- 1 1.00000+ 2 9.70722- 1							307	3 1
1.00000+ 3 9.70228- 1 1.00000+ 4 9.70072- 1 1.00000+ 5 9.70000- 1							307	3 1
1.20000+ 5 9.58032- 1 1.31000+ 5 9.83367- 1 1.45000+ 5 1.02390+ 0							307	3 1
1.60000+ 5 1.04894+ 0 1.70000+ 5 1.07028+ 0 1.80000+ 5 1.10298+ 0							307	3 1
1.90000+ 5 1.22796+ 0 2.00000+ 5 1.47772+ 0 2.10000+ 5 1.82240+ 0							307	3 1
2.15109+ 5 2.06423+ 0 2.18045+ 5 2.18972+ 0 2.20981+ 5 2.37640+ 0							307	3 1
2.23918+ 5 2.63618+ 0 2.26854+ 5 2.98093+ 0 2.29791+ 5 3.42261+ 0							307	3 1
2.32727+ 5 3.97311+ 0 2.35663+ 5 4.64435+ 0 2.38719+ 5 5.43440+ 0							307	3 1
2.41774+ 5 6.29896+ 0 2.44829+ 5 7.27571+ 0 2.47884+ 5 8.40237+ 0							307	3 1
2.51352+ 5 9.80158+ 0 2.54820+ 5 1.10518+ 1 2.58288+ 5 1.18663+ 1							307	3 1
								155

										MAT	MF	MT	SEQ		
.....	10.....	20.....	30.....	40.....	50.....	60.....									
2.61755+	5	1.19579+	1	2.66500+	5	1.10052+	1	2.71245+	5	9.45139+	0	307	3	1	156
2.75991+	5	7.75242+	0	2.80736+	5	6.36439+	0	2.85242+	5	5.39258+	0	307	3	1	157
2.89748+	5	4.55663+	0	2.94254+	5	3.89766+	0	2.98760+	5	3.45675+	0	307	3	1	158
3.06707+	5	2.93736+	0	3.14654+	5	2.51159+	0	3.22602+	5	2.19455+	0	307	3	1	159
3.30549+	5	2.00135+	0	3.42232+	5	1.80932+	0	3.53914+	5	1.62273+	0	307	3	1	160
3.65597+	5	1.46909+	0	3.77279+	5	1.37589+	0	3.96196+	5	1.29600+	0	307	3	1	161
4.15112+	5	1.22903+	0	4.34029+	5	1.17263+	0	4.52946+	5	1.12442+	0	307	3	1	162
4.69963+	5	1.09023+	0	4.86981+	5	1.06593+	0	5.03998+	5	1.04783+	0	307	3	1	163
5.21016+	5	1.03224+	0	5.45928+	5	1.01994+	0	5.46130+	5	1.01996+	0	307	3	1	164
5.70840+	5	1.02284+	0	5.95752+	5	1.03230+	0	6.20664+	5	1.03967+	0	307	3	1	165
6.48197+	5	1.05558+	0	6.75729+	5	1.08591+	0	7.03262+	5	1.11600+	0	307	3	1	166
7.30794+	5	1.13114+	0	7.64051+	5	1.15915+	0	7.97307+	5	1.21947+	0	307	3	1	167
8.30563+	5	1.28660+	0	8.63819+	5	1.33502+	0	8.91489+	5	1.37066+	0	307	3	1	168
9.19160+	5	1.42079+	0	9.46830+	5	1.47659+	0	9.74501+	5	1.52923+	0	307	3	1	169
9.89130+	5	1.55151+	0	1.00000+	6	1.55551+	0	1.00450+	6	1.55717+	0	307	3	1	170
1.05795+	6	1.60492+	0	1.06140+	6	1.60778+	0	1.11141+	6	1.64879+	0	307	3	1	171
1.16486+	6	1.68256+	0	1.21832+	6	1.70001+	0	1.26410+	6	1.70795+	0	307	3	1	172
1.28178+	6	1.71095+	0	1.34524+	6	1.72089+	0	1.40871+	6	1.72128+	0	307	3	1	173
1.47217+	6	1.70352+	0	1.53665+	6	1.68282+	0	1.60113+	6	1.67644+	0	307	3	1	174
1.66561+	6	1.67736+	0	1.73009+	6	1.67860+	0	1.79467+	6	1.68476+	0	307	3	1	175
1.85925+	6	1.70061+	0	1.92384+	6	1.71940+	0	1.93970+	6	1.72311+	0	307	3	1	176
1.98842+	6	1.73439+	0	2.09089+	6	1.76165+	0	2.19335+	6	1.80250+	0	307	3	1	177
2.29436+	6	1.84658+	0	2.29582+	6	1.84721+	0	2.39828+	6	1.88603+	0	307	3	1	178
2.48015+	6	1.91166+	0	2.53815+	6	1.92952+	0	2.66594+	6	1.96554+	0	307	3	1	179
2.67802+	6	1.96889+	0	2.81789+	6	2.00107+	0	2.81910+	6	2.00127+	0	307	3	1	180
2.85173+	6	2.00647+	0	2.95776+	6	2.02306+	0	2.99530+	6	2.04308+	0	307	3	1	181
3.05044+	6	2.07241+	0	3.13886+	6	2.08821+	0	3.20745+	6	2.10025+	0	307	3	1	182
3.28243+	6	2.11384+	0	3.36446+	6	2.12847+	0	3.42600+	6	2.14292+	0	307	3	1	183
3.51889+	6	2.16444+	0	3.52147+	6	2.16503+	0	3.61179+	6	2.19555+	0	307	3	1	184
3.67848+	6	2.21786+	0	3.70468+	6	2.23065+	0	3.76380+	6	2.25949+	0	307	3	1	185
3.77642+	6	2.26563+	0	3.79758+	6	2.27839+	0	3.87435+	6	2.32469+	0	307	3	1	186
3.89047+	6	2.33506+	0	3.97229+	6	2.38776+	0	3.98337+	6	2.39452+	0	307	3	1	187
4.07022+	6	2.44752+	0	4.07627+	6	2.45084+	0	4.16162+	6	2.49764+	0	307	3	1	188
4.16916+	6	2.50119+	0	4.25303+	6	2.54051+	0	4.27050+	6	2.54629+	0	307	3	1	189
4.34443+	6	2.57066+	0	4.37184+	6	2.57428+	0	4.43583+	6	2.58268+	0	307	3	1	190
4.47318+	6	2.58285+	0	4.50697+	6	2.58299+	0	4.51724+	6	2.58304+	0	307	3	1	191
4.57453+	6	2.58038+	0	4.59864+	6	2.57928+	0	4.68005+	6	2.56725+	0	307	3	1	192
4.68431+	6	2.56597+	0	4.76145+	6	2.54286+	0	4.77721+	6	2.53666+	0	307	3	1	193
4.85531+	6	2.50646+	0	4.94917+	6	2.46872+	0	5.01370+	6	2.43932+	0	307	3	1	194
5.04304+	6	2.42620+	0	5.13690+	6	2.37549+	0	5.21635+	6	2.30969+	0	307	3	1	195
5.22421+	6	2.30333+	0	5.31153+	6	2.21504+	0	5.39884+	6	2.14675+	0	307	3	1	196
5.48615+	6	2.13462+	0	5.56466+	6	2.15666+	0	5.64316+	6	2.17492+	0	307	3	1	197
5.65549+	6	2.17779+	0	5.72166+	6	2.19318+	0	5.80016+	6	2.21518+	0	307	3	1	198
5.88316+	6	2.22746+	0	5.96615+	6	2.21836+	0	6.04915+	6	2.19861+	0	307	3	1	199
6.09464+	6	2.18781+	0	6.12840+	6	2.17988+	0	6.13214+	6	2.17900+	0	307	3	1	200
6.33886+	6	2.13327+	0	6.54558+	6	2.08148+	0	6.75231+	6	2.03239+	0	307	3	1	201
6.80402+	6	2.02281+	0	6.90540+	6	2.00430+	0	6.95903+	6	1.99471+	0	307	3	1	202
7.14430+	6	1.96562+	0	7.32958+	6	1.93402+	0	7.51485+	6	1.90536+	0	307	3	1	203
7.70012+	6	1.88507+	0	7.78370+	6	1.87815+	0	7.81743+	6	1.87542+	0	307	3	1	204
8.21694+	6	1.84383+	0	8.30000+	5	1.83678+	0	8.69570+	6	1.80450+	0	307	3	1	205
8.73375+	6	1.80150+	0	8.86462+	6	1.79076+	0	8.88000+	6	1.78951+	0	307	3	1	206
9.00000+	6	1.77987+	0	9.25057+	6	1.76032+	0	9.76738+	6	1.72247+	0	307	3	1	207
1.00000+	7	1.70611+	0	1.01145+	7	1.69819+	0	1.05000+	7	1.67267+	0	307	3	1	208

										MAT	MF	MT	SEQ	
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....		
1.06168+	7	1.66519+	0	1.10000+	7	1.63972+	0	1.10270+	7	1.63792+	0	307	3	1
1.13981+	7	1.61448+	0	1.14663+	7	1.61039+	0	1.15000+	7	1.60825+	0	307	3	1
1.20000+	7	1.57753+	0	1.23157+	7	1.55909+	0	1.23780+	7	1.55546+	0	307	3	1
1.25000+	7	1.54853+	0	1.27493+	7	1.53445+	0	1.30000+	7	1.52100+	0	307	3	1
1.31652+	7	1.51225+	0	1.35000+	7	1.49466+	0	1.40000+	7	1.46956+	0	307	3	1
1.40668+	7	1.46625+	0	1.42690+	7	1.45647+	0	1.45000+	7	1.44574+	0	307	3	1
1.46600+	7	1.43837+	0	1.50000+	7	1.42198+	0	1.54518+	7	1.40109+	0	307	3	1
1.61547+	7	1.37024+	0	1.69381+	7	1.33465+	0	1.76495+	7	1.30432+	0	307	3	1
1.83231+	7	1.27296+	0	1.91443+	7	1.23704+	0	2.00000+	7	1.21500+	0	307	3	1
												307	3	0
3.00700+	3	6.95573+	0		0		0		0		0	307	3	2
0.0	+ 0	0.0	+ 0		0		0		1		337	307	3	2
	337		2		0		0		0		0	307	3	2
1.00000-	5	9.70000-	1	1.00000-	4	9.70000-	1	1.00000-	3	9.70000-	1	307	3	2
1.00000-	2	9.70000-	1	2.53000-	2	9.70000-	1	1.00000-	1	9.70000-	1	307	3	2
1.00000+	0	9.70000-	1	1.00000+	1	9.70000-	1	1.00000+	2	9.70000-	1	307	3	2
1.00000+	3	9.70000-	1	1.00000+	4	9.70000-	1	1.00000+	5	9.69977-	1	307	3	2
1.20000+	5	9.58011-	1	1.31000+	5	9.83347-	1	1.45000+	5	1.02388+	0	307	3	2
1.60000+	5	1.04892+	0	1.70000+	5	1.07026+	0	1.80000+	5	1.10296+	0	307	3	2
1.90000+	5	1.22794+	0	2.00000+	5	1.47770+	0	2.10000+	5	1.82238+	0	307	3	2
2.15109+	5	2.06421+	0	2.18045+	5	2.18970+	0	2.20981+	5	2.37638+	0	307	3	2
2.23918+	5	2.63616+	0	2.26854+	5	2.98092+	0	2.29791+	5	3.42260+	0	307	3	2
2.32727+	5	3.97309+	0	2.35663+	5	4.64433+	0	2.38719+	5	5.43438+	0	307	3	2
2.41774+	5	6.29894+	0	2.44829+	5	7.27569+	0	2.47884+	5	8.40236+	0	307	3	2
2.51352+	5	9.80157+	0	2.54820+	5	1.10518+	1	2.58288+	5	1.18663+	1	307	3	2
2.61755+	5	1.19579+	1	2.66500+	5	1.10052+	1	2.71245+	5	9.45138+	0	307	3	2
2.75991+	5	7.75241+	0	2.80736+	5	6.36438+	0	2.85242+	5	5.39257+	0	307	3	2
2.89748+	5	4.55662+	0	2.94254+	5	3.89765+	0	2.98760+	5	3.45674+	0	307	3	2
3.06707+	5	2.93735+	0	3.14654+	5	2.51158+	0	3.22602+	5	2.19454+	0	307	3	2
3.30549+	5	2.00134+	0	3.42232+	5	1.80931+	0	3.53914+	5	1.62272+	0	307	3	2
3.65597+	5	1.46908+	0	3.77279+	5	1.37588+	0	3.96196+	5	1.29599+	0	307	3	2
4.15112+	5	1.22902+	0	4.34029+	5	1.17262+	0	4.52946+	5	1.12441+	0	307	3	2
4.69963+	5	1.09022+	0	4.86981+	5	1.06592+	0	5.03998+	5	1.04782+	0	307	3	2
5.21016+	5	1.03223+	0	5.45928+	5	1.01993+	0	5.46130+	5	1.01995+	0	307	3	2
5.47000+	5	1.02005+	0	5.55415+	5	1.00989+	0	5.70840+	5	1.00651+	0	307	3	2
5.82439+	5	1.00703+	0	5.95752+	5	1.00731+	0	6.09464+	5	1.00644+	0	307	3	2
6.20664+	5	1.00576+	0	6.48197+	5	1.01184+	0	6.63512+	5	1.02324+	0	307	3	2
6.75729+	5	1.03283+	0	6.90536+	5	1.04431+	0	7.03262+	5	1.05483+	0	307	3	2
7.17561+	5	1.05888+	0	7.30794+	5	1.06234+	0	7.37406+	5	1.06600+	0	307	3	2
7.57253+	5	1.07510+	0	7.64051+	5	1.07752+	0	7.96944+	5	1.12115+	0	307	3	2
7.97307+	5	1.12160+	0	8.30563+	5	1.17012+	0	8.36636+	5	1.17557+	0	307	3	2
8.63819+	5	1.20011+	0	8.76328+	5	1.20930+	0	8.91489+	5	1.22040+	0	307	3	2
9.04197+	5	1.23636+	0	9.19160+	5	1.25498+	0	9.32065+	5	1.27368+	0	307	3	2
9.46830+	5	1.29607+	0	9.59934+	5	1.31445+	0	9.74501+	5	1.33700+	0	307	3	2
9.87803+	5	1.35254+	0	9.89130+	5	1.35423+	0	1.00000+	6	1.35556+	0	307	3	2
1.00450+	6	1.35611+	0	1.02918+	6	1.37208+	0	1.05795+	6	1.39170+	0	307	3	2
1.06140+	6	1.39383+	0	1.07056+	6	1.39941+	0	1.11141+	6	1.42671+	0	307	3	2
1.11194+	6	1.42696+	0	1.15333+	6	1.45032+	0	1.16486+	6	1.45788+	0	307	3	2
1.21832+	6	1.47662+	0	1.22342+	6	1.47762+	0	1.26410+	6	1.48776+	0	307	3	2
1.28178+	6	1.49209+	0	1.29351+	6	1.49482+	0	1.34524+	6	1.50718+	0	307	3	2
1.36361+	6	1.50880+	0	1.40871+	6	1.51104+	0	1.43370+	6	1.50514+	0	307	3	2
1.47217+	6	1.49520+	0	1.53665+	6	1.47588+	0	1.56376+	6	1.47378+	0	307	3	2
1.60113+	6	1.47132+	0	1.66561+	6	1.47439+	0	1.69381+	6	1.47587+	0	307	3	2

										MAT	MF	MT	SEQ		
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....			
1.73009+	6	1.47751+	0	1.79467+	6	1.48535+	0	1.82386+	6	1.49328+	0	307	3	2	262
1.85925+	6	1.50196+	0	1.92384+	6	1.52074+	0	1.93970+	6	1.52444+	0	307	3	2	263
1.95392+	6	1.52773+	0	1.98295+	6	1.53483+	0	1.98842+	6	1.53626+	0	307	3	2	264
1.99747+	6	1.53893+	0	2.01199+	6	1.54296+	0	2.09089+	6	1.56359+	0	307	3	2	265
2.16189+	6	1.59157+	0	2.19335+	6	1.60400+	0	2.29436+	6	1.64773+	0	307	3	2	266
2.29582+	6	1.64836+	0	2.31179+	6	1.65435+	0	2.39828+	6	1.68698+	0	307	3	2	267
2.46169+	6	1.70673+	0	2.48015+	6	1.71252+	0	2.53815+	6	1.73043+	0	307	3	2	268
2.61159+	6	1.75119+	0	2.66594+	6	1.76550+	0	2.67802+	6	1.76863+	0	307	3	2	269
2.78471+	6	1.79118+	0	2.81789+	6	1.79719+	0	2.81910+	6	1.79733+	0	307	3	2	270
2.82200+	6	1.79765+	0	2.85173+	6	1.80056+	0	2.95776+	6	1.81064+	0	307	3	2	271
2.95784+	6	1.81067+	0	2.99530+	6	1.82786+	0	3.05044+	6	1.85308+	0	307	3	2	272
3.13096+	6	1.86147+	0	3.13886+	6	1.86232+	0	3.20745+	6	1.86954+	0	307	3	2	273
3.28243+	6	1.87785+	0	3.30409+	6	1.88019+	0	3.36446+	6	1.88462+	0	307	3	2	274
3.42600+	6	1.89261+	0	3.42865+	6	1.89295+	0	3.51889+	6	1.90023+	0	307	3	2	275
3.52147+	6	1.90043+	0	3.55322+	6	1.90636+	0	3.61179+	6	1.91801+	0	307	3	2	276
3.67778+	6	1.93092+	0	3.67848+	6	1.93110+	0	3.70468+	6	1.94209+	0	307	3	2	277
3.76380+	6	1.96686+	0	3.77642+	6	1.97213+	0	3.79758+	6	1.98343+	0	307	3	2	278
3.80235+	6	1.98598+	0	3.87435+	6	2.03196+	0	3.89047+	6	2.04291+	0	307	3	2	279
3.89892+	6	2.04865+	0	3.96280+	6	2.09022+	0	3.97229+	6	2.09699+	0	307	3	2	280
3.98337+	6	2.10452+	0	4.07022+	6	2.16354+	0	4.07627+	6	2.16727+	0	307	3	2	281
4.12326+	6	2.19629+	0	4.16162+	6	2.22023+	0	4.16916+	6	2.22435+	0	307	3	2	282
4.25303+	6	2.27002+	0	4.27050+	6	2.27712+	0	4.28371+	6	2.28247+	0	307	3	2	283
4.34443+	6	2.30405+	0	4.37184+	6	2.30837+	0	4.43583+	6	2.31841+	0	307	3	2	284
4.43940+	6	2.31852+	0	4.44417+	6	2.31834+	0	4.47318+	6	2.31566+	0	307	3	2	285
4.50697+	6	2.31252+	0	4.51724+	6	2.31158+	0	4.57453+	6	2.30336+	0	307	3	2	286
4.59864+	6	2.29992+	0	4.68005+	6	2.27999+	0	4.68431+	6	2.27829+	0	307	3	2	287
4.69119+	6	2.27557+	0	4.76145+	6	2.24673+	0	4.77721+	6	2.23878+	0	307	3	2	288
4.85531+	6	2.19993+	0	4.93821+	6	2.15740+	0	4.94917+	6	2.15179+	0	307	3	2	289
4.97989+	6	2.13439+	0	5.01370+	6	2.11021+	0	5.04304+	6	2.08947+	0	307	3	2	290
5.13690+	6	2.01441+	0	5.18523+	6	1.96184+	0	5.21635+	6	1.92842+	0	307	3	2	291
5.22421+	6	1.92013+	0	5.31153+	6	1.81039+	0	5.38525+	6	1.73462+	0	307	3	2	292
5.39884+	6	1.71488+	0	5.43224+	6	1.68784+	0	5.48615+	6	1.64508+	0	307	3	2	293
5.52037+	6	1.63230+	0	5.56466+	6	1.62916+	0	5.59692+	6	1.62531+	0	307	3	2	294
5.62172+	6	1.62256+	0	5.64316+	6	1.62575+	0	5.65549+	6	1.62759+	0	307	3	2	295
5.72166+	6	1.63743+	0	5.72306+	6	1.63771+	0	5.76160+	6	1.64702+	0	307	3	2	296
5.80016+	6	1.65654+	0	5.85818+	6	1.66319+	0	5.88316+	6	1.66703+	0	307	3	2	297
5.92628+	6	1.66255+	0	5.96615+	6	1.65853+	0	6.02708+	6	1.64456+	0	307	3	2	298
6.04915+	6	1.63974+	0	6.09096+	6	1.63062+	0	6.09464+	6	1.62978+	0	307	3	2	299
6.12840+	6	1.62213+	0	6.13214+	6	1.62128+	0	6.16220+	6	1.61489+	0	307	3	2	300
6.30631+	6	1.58697+	0	6.33886+	6	1.58017+	0	6.52166+	6	1.53661+	0	307	3	2	301
6.54558+	6	1.53082+	0	6.73701+	6	1.48699+	0	6.75231+	6	1.48361+	0	307	3	2	302
6.80402+	6	1.47487+	0	6.90540+	6	1.45801+	0	6.95236+	6	1.45038+	0	307	3	2	303
6.95903+	6	1.44932+	0	6.97755+	6	1.44677+	0	7.00275+	6	1.44315+	0	307	3	2	304
7.02794+	6	1.43946+	0	7.05314+	6	1.43580+	0	7.14430+	6	1.42312+	0	307	3	2	305
7.32958+	6	1.39483+	0	7.38670+	6	1.38701+	0	7.51485+	6	1.37042+	0	307	3	2	306
7.62402+	6	1.36122+	0	7.70012+	6	1.35520+	0	7.78370+	6	1.35081+	0	307	3	2	307
7.81743+	6	1.34911+	0	8.19491+	6	1.33072+	0	8.21694+	6	1.32964+	0	307	3	2	308
8.30000+	6	1.32509+	0	8.61130+	6	1.30860+	0	8.69570+	6	1.30489+	0	307	3	2	309
8.73375+	6	1.30332+	0	8.76580+	6	1.30190+	0	8.86462+	6	1.29693+	0	307	3	2	310
8.86786+	6	1.29677+	0	8.88000+	6	1.29616+	0	8.93000+	6	1.29371+	0	307	3	2	311
9.00000+	6	1.29029+	0	9.25057+	6	1.27772+	0	9.33668+	6	1.27381+	0	307	3	2	312
9.76738+	6	1.25155+	0	9.95000+	6	1.24265+	0	1.00000+	7	1.24021+	0	307	3	2	313
1.00009+	7	1.24014+	0	1.00285+	7	1.23808+	0	1.00571+	7	1.23594+	0	307	3	2	314

										MAT	MF	MT	SEQ		
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....			
1.01145+	7	1.23164+	0	1.01619+	7	1.22815+	0	1.02095+	7	1.22465+	0	307	3	2	315
1.03054+	7	1.21758+	0	1.04022+	7	1.21045+	0	1.05000+	7	1.20324+	0	307	3	2	316
1.06168+	7	1.19474+	0	1.06651+	7	1.19119+	0	1.07575+	7	1.18426+	0	307	3	2	317
1.09000+	7	1.17355+	0	1.09300+	7	1.17203+	0	1.10000+	7	1.16849+	0	307	3	2	318
1.10270+	7	1.16715+	0	1.10600+	7	1.16557+	0	1.13293+	7	1.15357+	0	307	3	2	319
1.13981+	7	1.15045+	0	1.14663+	7	1.14745+	0	1.15000+	7	1.14592+	0	307	3	2	320
1.19935+	7	1.12392+	0	1.20000+	7	1.12362+	0	1.20300+	7	1.12229+	0	307	3	2	321
1.23157+	7	1.11033+	0	1.23780+	7	1.10773+	0	1.25000+	7	1.10271+	0	307	3	2	322
1.27493+	7	1.09249+	0	1.29157+	7	1.08585+	0	1.30000+	7	1.08226+	0	307	3	2	323
1.31652+	7	1.07530+	0	1.35000+	7	1.06126+	0	1.35090+	7	1.06089+	0	307	3	2	324
1.38379+	7	1.04802+	0	1.40000+	7	1.04143+	0	1.40668+	7	1.04006+	0	307	3	2	325
1.41000+	7	1.03942+	0	1.42690+	7	1.03624+	0	1.45000+	7	1.03232+	0	307	3	2	326
1.46600+	7	1.02968+	0	1.47601+	7	1.02781+	0	1.50000+	7	1.02325+	0	307	3	2	327
1.54518+	7	1.01566+	0	1.56823+	7	1.01233+	0	1.59580+	7	1.00807+	0	307	3	2	328
1.60000+	7	1.00744+	0	1.61547+	7	1.00510+	0	1.66000+	7	9.97687-	-1	307	3	2	329
1.67088+	7	9.95080-	-1	1.69381+	7	9.89174-	-1	1.70000+	7	9.87753-	-1	307	3	2	330
1.75800+	7	9.74447-	-1	1.76495+	7	9.72606-	-1	1.77353+	7	9.69996-	-1	307	3	2	331
1.80000+	7	9.61760-	-1	1.83231+	7	9.51724-	-1	1.85933+	7	9.44092-	-1	307	3	2	332
1.87618+	7	9.38114-	-1	1.90000+	7	9.29646-	-1	1.91443+	7	9.24519-	-1	307	3	2	333
2.00000+	7	9.09501-	-1									307	3	2	334
												307	3	0	335
3.00700+	3	6.95573+	0		0		99		0		0	307	3	3	336
0.0	+ 0	2.03300+	6		0		0		1		250	307	3	3	337
	250		2		0		0		0		0	307	3	3	338
1.00000-	5	2.28358+	0	1.28125-	5	2.01743+	0	1.56250-	5	1.82686+	0	307	3	3	339
2.12500-	5	1.56652+	0	2.68750-	5	1.39297+	0	3.25000-	5	1.26670+	0	307	3	3	340
4.37500-	5	1.09176+	0	5.50000-	5	9.73721-	-1	6.62500-	5	8.87203-	-1	307	3	3	341
7.75000-	5	8.20286-	-1	1.00000-	4	7.22131-	-1	1.28125-	4	6.37968-	-1	307	3	3	342
1.56250-	4	5.77705-	-1	2.12500-	4	4.95378-	-1	2.68750-	4	4.40496-	-1	307	3	3	343
3.25000-	4	4.00566-	-1	4.37500-	4	3.45245-	-1	5.50000-	4	3.07918-	-1	307	3	3	344
6.62500-	4	2.80558-	-1	7.75000-	4	2.59397-	-1	1.00000-	3	2.28358-	-1	307	3	3	345
1.28125-	3	2.01743-	-1	1.56250-	3	1.82686-	-1	2.12500-	3	1.56652-	-1	307	3	3	346
2.68750-	3	1.39297-	-1	3.25000-	3	1.26670-	-1	4.37500-	3	1.09176-	-1	307	3	3	347
5.50000-	3	9.73721-	-2	6.62500-	3	8.87203-	-2	7.75000-	3	8.20286-	-2	307	3	3	348
1.00000-	2	7.22131-	-2	1.38250-	2	6.14163-	-2	1.76500-	2	5.43555-	-2	307	3	3	349
2.14750-	2	4.92776-	-2	2.53000-	2	4.54000-	-2	3.46375-	2	3.88010-	-2	307	3	3	350
4.39750-	2	3.44360-	-2	5.33125-	2	3.12753-	-2	6.26500-	2	2.88507-	-2	307	3	3	351
8.13250-	2	2.53224-	-2	1.00000-	1	2.28358-	-2	1.28125-	1	2.01743-	-2	307	3	3	352
1.56250-	1	1.82686-	-2	2.12500-	1	1.56652-	-2	2.68750-	1	1.39297-	-2	307	3	3	353
3.25000-	1	1.26670-	-2	4.37500-	1	1.09176-	-2	5.50000-	1	9.73721-	-3	307	3	3	354
6.62500-	1	8.87203-	-3	7.75000-	-1	8.20286-	-3	1.00000+	0	7.22131-	-3	307	3	3	355
1.28125+	0	6.37968-	-3	1.56250+	0	5.77705-	-3	2.12500+	0	4.95378-	-3	307	3	3	356
2.68750+	0	4.40496-	-3	3.25000+	0	4.00566-	-3	4.37500+	0	3.45245-	-3	307	3	3	357
5.50000+	0	3.07918-	-3	6.62500+	0	2.80558-	-3	7.75000+	0	2.59397-	-3	307	3	3	358
1.00000+	1	2.28358-	-3	1.28125+	1	2.01743-	-3	1.56250+	1	1.82686-	-3	307	3	3	359
2.12500+	1	1.56652-	-3	2.68750+	1	1.39297-	-3	3.25000+	1	1.26670-	-3	307	3	3	360
4.37500+	1	1.09176-	-3	5.50000+	1	9.73721-	-4	6.62500+	1	8.87203-	-4	307	3	3	361
7.75000+	1	8.20286-	-4	1.00000+	2	7.22131-	-4	1.28125+	2	6.37968-	-4	307	3	3	362
1.56250+	2	5.77705-	-4	2.12500+	2	4.95378-	-4	2.68750+	2	4.40496-	-4	307	3	3	363
3.25000+	2	4.00566-	-4	4.37500+	2	3.45245-	-4	5.50000+	2	3.07918-	-4	307	3	3	364
6.62500+	2	2.80558-	-4	7.75000+	2	2.59397-	-4	1.00000+	3	2.28358-	-4	307	3	3	365
1.28125+	3	2.01743-	-4	1.56250+	3	1.82686-	-4	2.12500+	3	1.56652-	-4	307	3	3	366
2.68750+	3	1.39297-	-4	3.25000+	3	1.26670-	-4	4.37500+	3	1.09176-	-4	307	3	3	367

										MAT	MF	MT	SEQ	
.....	10.....	20.....	30.....	40.....	50.....	60.....								
5.50000+	3	9.73721-	5	6.62500+	3	8.87203-	5	7.75000+	3	8.20286-	5	307	3	368
1.00000+	4	7.22131-	5	1.28125+	4	6.37968-	5	1.56250+	4	5.77705-	5	307	3	369
2.12500+	4	4.95378-	5	2.68750+	4	4.40496-	5	3.25000+	4	4.00566-	5	307	3	370
4.37500+	4	3.45245-	5	5.50000+	4	3.07918-	5	6.62500+	4	2.80558-	5	307	3	371
7.75000+	4	2.59397-	5	1.00000+	5	2.28358-	5	1.27892+	5	2.01927-	5	307	3	372
1.55784+	5	1.82959-	5	2.11568+	5	1.56997-	5	2.67352+	5	1.39661-	5	307	3	373
3.23137+	5	1.27035-	5	4.34705+	5	1.09526-	5	5.46274+	5	9.77036-	6	307	3	374
5.55415+	5	1.11520-	2	5.82439+	5	2.02156-	2	6.09464+	5	2.99157-	2	307	3	375
6.63512+	5	4.92043-	2	6.90536+	5	5.77827-	2	7.17561+	5	6.49770-	2	307	3	376
7.37406+	5	7.07038-	2	7.57253+	5	7.83208-	2	7.96944+	5	9.76623-	2	307	3	377
8.36636+	5	1.19875-	1	8.76328+	5	1.41832-	1	9.04197+	5	1.57320-	1	307	3	378
9.32065+	5	1.73130-	1	9.59934+	5	1.87070-	1	9.87803+	5	1.96949-	1	307	3	379
1.00000+	6	1.99952-	1	1.02918+	6	2.07135-	1	1.07056+	6	2.15881-	1	307	3	380
1.11194+	6	2.22162-	1	1.15333+	6	2.24952-	1	1.22342+	6	2.23272-	1	307	3	381
1.29351+	6	2.17966-	1	1.36361+	6	2.12203-	1	1.43370+	6	2.09148-	1	307	3	382
1.56376+	6	2.06359-	1	1.69381+	6	2.02035-	1	1.82386+	6	1.98647-	1	307	3	383
1.95392+	6	1.98668-	1	1.98295+	6	1.98293-	1	1.99747+	6	1.97867-	1	307	3	384
2.01199+	6	1.97702-	1	2.16189+	6	1.98388-	1	2.31179+	6	1.98906-	1	307	3	385
2.46169+	6	1.99152-	1	2.61159+	6	1.99024-	1	2.78471+	6	2.02254-	1	307	3	386
2.82200+	6	2.04085-	1	2.95784+	6	2.12426-	1	3.13096+	6	2.25329-	1	307	3	387
3.30409+	6	2.37514-	1	3.42865+	6	2.50584-	1	3.55322+	6	2.69394-	1	307	3	388
3.67778+	6	2.86707-	1	3.80235+	6	2.95289-	1	3.89892+	6	2.91851-	1	307	3	389
3.96280+	6	2.91427-	1	4.12326+	6	2.80310-	1	4.28371+	6	2.68171-	1	307	3	390
4.43940+	6	2.64172-	1	4.44417+	6	2.64371-	1	4.69119+	6	2.88342-	1	307	3	391
4.93821+	6	3.15720-	1	4.97989+	6	3.20336-	1	5.18523+	6	3.73626-	1	307	3	392
5.30000+	6	4.01815-	1	5.38525+	6	4.22755-	1	5.43224+	6	4.54267-	1	307	3	393
5.52037+	6	5.11926-	1	5.59692+	6	5.38849-	1	5.62000+	6	5.46782-	1	307	3	394
5.62172+	6	5.47373-	1	5.72306+	6	5.55862-	1	5.76160+	6	5.57356-	1	307	3	395
5.85818+	6	5.60569-	1	5.92628+	6	5.60179-	1	6.02708+	6	5.59299-	1	307	3	396
6.09096+	6	5.58065-	1	6.16220+	6	5.57460-	1	6.23000+	6	5.55595-	1	307	3	397
6.30631+	6	5.53496-	1	6.52166+	6	5.50861-	1	6.73701+	6	5.49032-	1	307	3	398
6.95236+	6	5.45525-	1	6.97755+	6	5.45030-	1	7.00275+	6	5.44695-	1	307	3	399
7.02794+	6	5.44428-	1	7.05314+	6	5.44133-	1	7.07000+	6	5.43832-	1	307	3	400
7.38670+	6	5.38172-	1	7.62402+	6	5.32184-	1	7.95000+	6	5.22284-	1	307	3	401
8.19491+	6	5.14846-	1	8.30000+	6	5.11694-	1	8.61130+	6	5.02786-	1	307	3	402
8.76580+	6	4.96970-	1	8.86786+	6	4.93730-	1	8.93000+	6	4.91779-	1	307	3	403
9.00000+	6	4.89580-	1	9.33668+	6	4.80199-	1	9.95000+	6	4.66980-	1	307	3	404
1.00000+	7	4.65903-	1	1.00009+	7	4.65906-	1	1.00285+	7	4.66063-	1	307	3	405
1.00571+	7	4.66225-	1	1.01145+	7	4.66551-	1	1.01619+	7	4.66902-	1	307	3	406
1.02095+	7	4.67255-	1	1.03054+	7	4.67969-	1	1.04022+	7	4.68693-	1	307	3	407
1.05000+	7	4.69428-	1	1.06168+	7	4.70450-	1	1.06651+	7	4.70789-	1	307	3	408
1.07575+	7	4.71582-	1	1.09000+	7	4.72812-	1	1.09300+	7	4.72338-	1	307	3	409
1.10000+	7	4.71232-	1	1.10270+	7	4.70768-	1	1.10600+	7	4.70270-	1	307	3	410
1.13293+	7	4.65260-	1	1.13981+	7	4.64029-	1	1.14663+	7	4.62939-	1	307	3	411
1.15000+	7	4.62329-	1	1.19935+	7	4.54005-	1	1.20000+	7	4.53908-	1	307	3	412
1.20300+	7	4.53489-	1	1.23157+	7	4.48759-	1	1.23780+	7	4.47729-	1	307	3	413
1.25000+	7	4.45819-	1	1.27493+	7	4.41964-	1	1.29157+	7	4.39674-	1	307	3	414
1.30000+	7	4.38745-	1	1.31652+	7	4.36952-	1	1.35000+	7	4.33405-	1	307	3	415
1.35090+	7	4.33323-	1	1.38379+	7	4.29679-	1	1.40000+	7	4.28129-	1	307	3	416
1.41000+	7	4.25223-	1	1.47601+	7	4.05738-	1	1.50000+	7	3.98728-	1	307	3	417
1.56823+	7	3.78644-	1	1.59580+	7	3.70806-	1	1.60000+	7	3.69592-	1	307	3	418
1.66000+	7	3.52323-	1	1.67088+	7	3.49987-	1	1.70000+	7	3.44258-	1	307	3	419
1.75800+	7	3.32836-	1	1.77353+	7	3.30329-	1	1.80000+	7	3.26242-	1	307	3	420

										MAT	MF	MT	SEQ		
.....	10.....	20.....	30.....	40.....	50.....	60.....									
1.85933+	7	3.17049-	1	1.87618+	7	3.15657-	1	1.90000+	7	3.13706-	1	307	3	3	421
2.00000+	7	3.05499-	1									307	3	0	422
												307	3	0	423
3.00700+	3	6.95573+	0	0	99	0				0	307	3	4	424	
0.0	+ 0-4.77610+	5	112	2	0	0	1		112	307	3	4	425		
					0	0	0		0	307	3	4	426		
5.46274+	5	0.0	+ 0	5.55415+	5	1.11423-	2	5.82439+	5	2.02061-	2	307	3	4	427
6.09464+	5	2.99064-	2	6.63512+	5	4.91954-	2	6.90536+	5	5.77740-	2	307	3	4	428
7.17561+	5	6.49685-	2	7.37406+	5	7.06954-	2	7.57253+	5	7.83125-	2	307	3	4	429
7.96944+	5	9.76542-	2	8.36636+	5	1.19867-	1	8.76328+	5	1.41824-	1	307	3	4	430
9.04197+	5	1.57312-	1	9.32065+	5	1.73123-	1	9.59934+	5	1.87063-	1	307	3	4	431
9.87803+	5	1.96942-	1	1.02918+	6	2.07128-	1	1.07056+	6	2.15874-	1	307	3	4	432
1.11194+	6	2.22155-	1	1.15333+	6	2.24945-	1	1.22342+	6	2.23265-	1	307	3	4	433
1.29351+	6	2.17960-	1	1.36361+	6	2.12197-	1	1.43370+	6	2.09142-	1	307	3	4	434
1.56376+	6	2.06353-	1	1.69381+	6	2.02029-	1	1.82386+	6	1.98642-	1	307	3	4	435
1.95392+	6	1.98663-	1	1.98295+	6	1.98288-	1	1.99747+	6	1.97862-	1	307	3	4	436
2.01199+	6	1.97697-	1	2.16189+	6	1.98383-	1	2.31179+	6	1.98901-	1	307	3	4	437
2.46169+	6	1.99147-	1	2.61159+	6	1.99020-	1	2.78471+	6	2.02250-	1	307	3	4	438
2.82200+	6	2.04081-	1	2.95784+	6	2.12422-	1	3.13096+	6	2.25325-	1	307	3	4	439
3.30409+	6	2.37510-	1	3.42865+	6	2.50580-	1	3.55322+	6	2.69390-	1	307	3	4	440
3.67778+	6	2.86703-	1	3.80235+	6	2.95285-	1	3.89892+	6	2.91847-	1	307	3	4	441
3.96280+	6	2.91423-	1	4.12326+	6	2.80306-	1	4.28371+	6	2.68168-	1	307	3	4	442
4.43940+	6	2.64169-	1	4.44417+	6	2.64368-	1	4.69119+	6	2.88339-	1	307	3	4	443
4.93821+	6	3.15717-	1	4.97989+	6	3.20333-	1	5.18523+	6	3.73623-	1	307	3	4	444
5.30000+	6	4.01812-	1	5.38525+	6	4.22752-	1	5.43224+	6	4.54264-	1	307	3	4	445
5.52037+	6	5.11923-	1	5.59692+	6	5.38846-	1	5.62000+	6	5.46779-	1	307	3	4	446
5.62172+	6	5.47370-	1	5.72306+	6	5.55859-	1	5.76160+	6	5.57353-	1	307	3	4	447
5.85818+	6	5.60566-	1	5.92628+	6	5.60176-	1	6.02708+	6	5.59296-	1	307	3	4	448
6.09096+	6	5.58062-	1	6.16220+	6	5.57457-	1	6.23000+	6	5.55592-	1	307	3	4	449
6.30631+	6	5.53493-	1	6.52166+	6	5.50858-	1	6.73701+	6	5.49029-	1	307	3	4	450
6.95236+	6	5.45522-	1	6.97755+	6	5.45027-	1	7.00275+	6	5.44692-	1	307	3	4	451
7.02794+	6	5.44425-	1	7.05314+	6	5.44130-	1	7.07000+	6	5.43829-	1	307	3	4	452
7.38670+	6	5.38169-	1	7.62402+	6	5.32181-	1	7.95000+	6	5.22281-	1	307	3	4	453
8.19491+	6	5.14843-	1	8.61130+	6	5.02355-	1	8.76580+	6	4.96326-	1	307	3	4	454
8.93000+	6	4.90888-	1	9.33668+	6	4.77417-	1	9.95000+	6	4.60970-	1	307	3	4	455
1.00009+	7	4.59606-	1	1.06651+	7	4.43425-	1	1.09300+	7	4.37389-	1	307	3	4	456
1.10600+	7	4.34428-	1	1.13293+	7	4.25947-	1	1.1935+	7	4.05494-	1	307	3	4	457
1.20000+	7	4.05306-	1	1.29157+	7	3.78784-	1	1.30000+	7	3.76573-	1	307	3	4	458
1.35090+	7	3.63220-	1	1.38379+	7	3.53043-	1	1.40000+	7	3.48273-	1	307	3	4	459
1.47601+	7	3.25905-	1	1.50000+	7	3.18917-	1	1.56823+	7	2.99041-	1	307	3	4	460
1.59580+	7	2.91286-	1	1.60000+	7	2.90085-	1	1.66000+	7	2.72931-	1	307	3	4	461
1.67088+	7	2.70616-	1	1.75800+	7	2.53644-	1	1.77353+	7	2.51170-	1	307	3	4	462
1.80000+	7	2.47139-	1	1.85933+	7	2.38105-	1	1.87618+	7	2.36758-	1	307	3	4	463
2.00000+	7	2.26949-	1							307	3	4	464		
										307	3	0	465		
3.00700+	3	6.95573+	0	0	99	0			0	307	3	16	466		
0.0	+ 0-7.25053+	6	33	2	0	0	1		33	307	3	16	467		
					0	0	0		0	307	3	16	468		
8.30000+	6	0.0	+ 0	9.00000+	6	9.63600-	4	1.00000+	7	2.34191-	3	307	3	16	469
1.00285+	7	3.11851-	3	1.00571+	7	3.89826-	3	1.01145+	7	5.46379-	3	307	3	16	470
1.01619+	7	6.83784-	3	1.02095+	7	8.21868-	3	1.03054+	7	1.10030-	2	307	3	16	471
1.04022+	7	1.38164-	2	1.05000+	7	1.66624-	2	1.06168+	7	2.02063-	2	307	3	16	472
1.07575+	7	2.42306-	2	1.09000+	7	2.83124-	2	1.10000+	7	2.87330-	2	307	3	16	473

										MAT	MF	MT	SEQ	
.....	10.....	20.....	30.....	40.....	50.....	60.....								
1.10270+	7	2.88456-	2	1.10600+	7	2.90525-	2	1.13981+	7	3.29335-	2	307	3 16	474
1.14663+	7	3.38471-	2	1.15000+	7	3.42275-	2	1.20000+	7	4.04846-	2	307	3 16	475
1.20300+	7	4.09019-	2	1.23157+	7	4.41300-	2	1.23780+	7	4.48360-	2	307	3 16	476
1.25000+	7	4.63242-	2	1.27493+	7	4.94142-	2	1.30000+	7	5.29476-	2	307	3 16	477
1.31652+	7	5.53998-	2	1.35000+	7	6.04542-	2	1.35090+	7	6.06036-	2	307	3 16	478
1.40000+	7	7.00908-	2	1.70000+	7	7.00908-	2	2.00000+	7	7.00908-	2	307	3 16	479
												307	3 0	480
3.00700+	3	6.95573+	0		0		1		0		0	307	3 51	481
0.0	+ 0	-4.77610+	5		0		0		1		79	307	3 51	482
	79		2		0		0		0		0	307	3 51	483
5.46274+	5	0.0	+ 0	5.55415+	5	1.11423-	2	5.82439+	5	2.02061-	2	307	3 51	484
6.09464+	5	2.99064-	2	6.63512+	5	4.91954-	2	6.90536+	5	5.77740-	2	307	3 51	485
7.17561+	5	6.49685-	2	7.37406+	5	7.06954-	2	7.57253+	5	7.83125-	2	307	3 51	486
7.96944+	5	9.76542-	2	8.36636+	5	1.19867-	1	8.76328+	5	1.41824-	1	307	3 51	487
9.04197+	5	1.57312-	1	9.32065+	5	1.73123-	1	9.59934+	5	1.87063-	1	307	3 51	488
9.87803+	5	1.96942-	1	1.02918+	6	2.07128-	1	1.07056+	6	2.15874-	1	307	3 51	489
1.11194+	6	2.22155-	1	1.15333+	6	2.24945-	1	1.22342+	6	2.23265-	1	307	3 51	490
1.29351+	6	2.17960-	1	1.36361+	6	2.12197-	1	1.43370+	6	2.09142-	1	307	3 51	491
1.56376+	6	2.06353-	1	1.69381+	6	2.02029-	1	1.82386+	6	1.98642-	1	307	3 51	492
1.95392+	6	1.98663-	1	1.98295+	6	1.98288-	1	1.99747+	6	1.97862-	1	307	3 51	493
2.01199+	6	1.97697-	1	2.16189+	6	1.98383-	1	2.31179+	6	1.98901-	1	307	3 51	494
2.46169+	6	1.99147-	1	2.61159+	6	1.99020-	1	2.78471+	6	2.02250-	1	307	3 51	495
2.95784+	6	2.10751-	1	3.13096+	6	2.21525-	1	3.30409+	6	2.31580-	1	307	3 51	496
3.42865+	6	2.43118-	1	3.55322+	6	2.60396-	1	3.67778+	6	2.76177-	1	307	3 51	497
3.80235+	6	2.83226-	1	3.96280+	6	2.75541-	1	4.12326+	6	2.57805-	1	307	3 51	498
4.28371+	6	2.39049-	1	4.44417+	6	2.28308-	1	4.69119+	6	2.25416-	1	307	3 51	499
4.93821+	6	2.25930-	1	5.18523+	6	2.26428-	1	5.43224+	6	2.23493-	1	307	3 51	500
5.59692+	6	2.18839-	1	5.76160+	6	2.12871-	1	5.92628+	6	2.06000-	1	307	3 51	501
6.09096+	6	1.98633-	1	6.30631+	6	1.91331-	1	6.52166+	6	1.87317-	1	307	3 51	502
6.73701+	6	1.84109-	1	6.95236+	6	1.79223-	1	6.97755+	6	1.78567-	1	307	3 51	503
7.00275+	6	1.78071-	1	7.02794+	6	1.77642-	1	7.05314+	6	1.77186-	1	307	3 51	504
7.62402+	6	1.63328-	1	8.19491+	6	1.46535-	1	8.76580+	6	1.29959-	1	307	3 51	505
9.33668+	6	1.16750-	1	1.00009+	7	1.05571-	1	1.06651+	7	9.60221-	2	307	3 51	506
1.13293+	7	8.75207-	2	1.19935+	7	7.94848-	2	1.29157+	7	7.00136-	2	307	3 51	507
1.38379+	7	6.30599-	2	1.47601+	7	5.75022-	2	1.56823+	7	5.22193-	2	307	3 51	508
1.67088+	7	4.73672-	2	1.77353+	7	4.43551-	2	1.87618+	7	4.20695-	2	307	3 51	509
2.00000+	7	3.93964-	2									307	3 51	510
												307	3 0	511
3.00700+	3	6.95573+	0		0		2		0		0	307	3 52	512
-2.46668+	6	-4.63000+	6		0		33		1		15	307	3 52	513
	15		2		0		0		0		0	307	3 52	514
5.30000+	6	0.0	+ 0	5.62000+	6	7.16624-	2	6.23000+	6	1.36521-	1	307	3 52	515
7.07000+	6	1.87191-	1	7.95000+	6	2.20296-	1	8.93000+	6	2.11513-	1	307	3 52	516
9.95000+	6	1.86515-	1	1.09300+	7	1.64220-	1	1.20000+	7	1.43952-	1	307	3 52	517
1.30000+	7	1.22333-	1	1.40000+	7	1.05443-	1	1.50000+	7	7.97697-	2	307	3 52	518
1.60000-	7	6.22039-	2	1.80000+	7	3.58553-	2	2.00000+	7	1.62628-	2	307	3 52	519
												307	3 0	520
3.00700+	3	6.95573+	0		0		98		0		0	307	3 91	521
-2.46668+	6	-2.46668+	6		0		33		1		34	307	3 91	522
	34		2		0		0		0		0	307	3 91	523
2.82200-	6	0.0	+ 0	3.89892+	6	1.32467-	2	4.43940+	6	3.55416-	2	307	3 91	524
4.97989-	6	9.43193-	2	5.30000+	6	1.76748-	1	5.38525+	6	1.79609-	1	307	3 91	525
5.52037-	6	2.41570-	1	5.62000+	6	2.57114-	1	5.62172+	6	2.57585-	1	307	3 91	526

									MAT	MF	MT	SEQ	
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....	
5.72306+	6	2.58971-	1	5.85818+	6	2.54738-	1	6.02708+	6	2.42860-	1	307 3 91	527
6.16220+	6	2.31928-	1	6.23000+	6	2.25153-	1	7.07000+	6	1.79861-	1	307 3 91	528
7.38670+	6	1.69975-	1	7.95000+	6	1.48246-	1	8.61130+	6	1.53541-	1	307 3 91	529
8.93000+	6	1.53215-	1	9.95000+	6	1.68028-	1	1.09300+	7	1.80538-	1	307 3 91	530
1.10600+	7	1.81703-	1	1.20000+	7	1.81936-	1	1.30000+	7	1.84862-	1	307 3 91	531
1.35090+	7	1.83944-	1	1.40000+	7	1.80747-	1	1.50000+	7	1.83019-	1	307 3 91	532
1.59580+	7	1.77428-	1	1.60000+	7	1.77164-	1	1.66000+	7	1.70750-	1	307 3 91	533
1.75800+	7	1.67445-	1	1.80000+	7	1.67518-	1	1.85933+	7	1.65617-	1	307 3 91	534
2.00000+	7	1.71290-	1									307 3 91	535
												307 3 0	536
3.00700+	3	6.95573+	0		0		99		0		0	307 3102	537
0.0	+ 0	2.03300+	6		0		0		1		15	307 3102	538
	15		5		0		0		0		0	307 3102	539
1.00000-	5	2.28358+	0	1.00000-	4	7.22131-	1	1.00000-	3	2.28358-	1	307 3102	540
1.00000-	2	7.22131-	2	2.53000-	2	4.54000-	2	1.00000-	1	2.28358-	2	307 3102	541
1.00000+	0	7.22131-	3	1.00000+	1	2.28358-	3	1.00000+	2	7.22131-	4	307 3102	542
1.00000+	3	2.28358-	4	1.00000+	4	7.22131-	5	1.00000+	5	2.28358-	5	307 3102	543
1.00000+	6	7.22131-	6	1.00000+	7	2.28358-	6	2.00000+	7	1.61473-	6	307 3102	544
												307 3 0	545
3.00700+	3	6.95573+	0		0		99		0		0	307 3104	546
0.0	+ 0	-7.75321+	6		0		0		1		14	307 3104	547
	14		2		0		0		0		0	307 3104	548
8.86786+	6	0.0	+ 0	9.00000+	6	4.43664-	5	1.00000+	7	3.92914-	3	307 3104	549
1.10000+	7	6.70240-	3	1.20000+	7	8.11501-	3	1.30000+	7	9.22206-	3	307 3104	550
1.40000+	7	9.76306-	3	1.41000+	7	9.80000-	3	1.50000+	7	9.71797-	3	307 3104	551
1.60000+	7	9.41429-	3	1.70000+	7	9.22237-	3	1.80000+	7	9.01073-	3	307 3104	552
1.90000+	7	8.74211-	3	2.00000+	7	8.45720-	3					307 3104	553
												307 3 0	554
3.00700+	3	6.95573+	0		0		99		0		0	307 3205	555
0.0	+ 0	-2.46668+	6		0		0		1		20	307 3205	556
	20		2		0		0		0		0	307 3205	557
2.82200+	6	0.0	+ 0	3.89892+	6	1.32467-	2	4.43940+	6	3.55416-	2	307 3205	558
4.97989+	6	9.43193-	2	5.38525+	6	1.98700-	1	5.52037+	6	2.90921-	1	307 3205	559
5.52172+	6	3.29430-	1	5.72306+	6	3.41591-	1	5.85818+	6	3.51725-	1	307 3205	560
6.02708+	6	3.57805-	1	6.16220+	6	3.61240-	1	7.38670+	6	3.69080-	1	307 3205	561
8.31130+	6	3.67910-	1	1.10600+	7	3.43460-	1	1.35090+	7	2.97680-	1	307 3205	562
1.359580+	7	2.40370-	1	1.66000+	7	2.25049-	1	1.75800+	7	2.08834-	1	307 3205	563
1.35933+	7	1.95660-	1	2.00000+	7	1.87553-	1					307 3205	564
												307 3 0	565
3.00700+	3	6.95573+	0		0		0		0		0	307 3251	566
0.0	+ 0	0.0	+ 0		0		0		1		56	307 3251	567
	56		2		0		0		0		0	307 3251	568
1.00000-	5	9.56665-	2	1.00000-	4	9.56665-	2	1.00000-	3	9.56665-	2	307 3251	569
2.53000-	2	9.56665-	2	1.00000-	1	9.56665-	2	1.00000+	0	9.56665-	2	307 3251	570
1.00000+	1	9.56665-	2	1.00000+	2	9.56665-	2	1.00000+	3	9.56665-	2	307 3251	571
1.00000+	4	9.88159-	2	5.00000+	4	1.14383-	1	1.00000+	5	1.43847-	1	307 3251	572
1.50000+	5	1.93160-	1	2.00000+	5	2.56832-	1	2.20000+	5	2.53708-	1	307 3251	573
2.40000+	5	1.97599-	1	2.60000+	5	1.01059-	1	2.80000+	5	1.86985-	2	307 3251	574
3.033000-	5	-2.66753-	2	3.50000+	5	-5.06394-	2	4.00000+	5	-4.16799-	2	307 3251	575
5.000000-	5	-1.99451-	2	6.00000-	5	-2.13212-	3	7.00000+	5	1.51327-	2	307 3251	576
6.000000-	5	3.59853-	2	9.00000+	5	5.89554-	2	1.00000+	6	8.03609-	2	307 3251	577
3.000000+	6	1.62232-	1	3.00000-	6	2.49090-	1	4.00000+	6	2.16305-	1	307 3251	578
4.000000+	6	2.06686-	1	4.26000+	6	2.19447-	1	4.57000+	6	2.57713-	1	307 3251	579

										MAT	MF	MT	SEQ			
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....				
4.83000+	6	3.16061-	1	5.05000+	6	3.19910-	1	5.29000+	6	3.44803-	1	307	3251	580		
5.54000+	6	3.79034-	1	5.74000+	6	4.37308-	1	6.05000+	6	4.74042-	1	307	3251	581		
6.37000+	6	5.06844-	1	6.66000+	6	5.14650-	1	6.94000+	6	5.29589-	1	307	3251	582		
6.97000+	6	5.23785-	1	7.97000+	6	5.53646-	1	8.96000+	6	5.89747-	1	307	3251	583		
9.96000+	6	6.32777-	1	1.09500+	7	6.51730-	1	1.20400+	7	6.72309-	1	307	3251	584		
1.29400+	7	7.03481-	1	1.39400+	7	7.19514-	1	1.50000+	7	7.50406-	1	307	3251	585		
1.60000+	7	7.62380-	1	1.70000+	7	7.73449-	1	1.80000+	7	7.84974-	1	307	3251	586		
1.90000+	7	7.94312-	1	2.00000+	7	8.02947-	1					307	3251	587		
												307	3	588		
												307	0	589		
3.00700+	3	6.95573+ 0			1		1		0		0	307	4	2	590	
0.0	+	0	6.95573+ 0		0		2		64		7	307	4	2	591	
1.00000+	0	9.58442- 2	4.14598-	3	1.49254-	7	0.0		+ 0 0.0		+ 0	307	4	2	592	
0.0	+	0	0.0		+ 0 0.0		+ 0 9.87599-	1	1.71497-	1	1.41708-	2	307	4	2	593
5.69168-	4	1.00478- 5	4.81292-	7	0.0		+ 0 0.0		+ 0-9.41462-	2	307	4	2	594		
9.67702-	1	2.42494-	1	2.93112-	2	2.05765-	3	8.12324-	5	1.62608-	6	307	4	2	595	
0.0	+	0	1.21639-	2	-1.67003-	1	9.37454-	1	3.09450-	1	4.92167-	2	307	4	2	596
4.80732-	3	2.98944- 4	0.0		+ 0-1.66448-	3	2.74451-	2	-2.33648-	1	307	4	2	597		
8.97764-	1	3.71860-	1	7.35006-	2	9.13468-	3	0.0		+ 0 2.32577-	4	307	4	2	598	
-4.38472-	3	4.68295- 2	-2.94963-	1	8.49296-	1	4.28965-	1	1.01692-	1	307	4	2	599		
0.0	+	0	-3.28229-	5	6.87726-	4	-8.58421-	3	7.00325-	2	-3.50548-	1	307	4	2	600
7.92806-	1	4.79991-	1	0.0		+ 0 4.65780-	6	-1.06022-	4	1.49703-	3	307	4	2	601	
-1.45220-	2	9.65690-	2	-3.99784-	1	7.29168-	1					307	4	2	602	
0.0	+	0	0.0		+ 0		0		0		1	56	307	4	2	603
		56		2		0		0		0		0	307	4	2	604
0.0	+	0	1.00000-	5		0		0		2		0	307	4	2	605
0.0	+	0	0.0		+ 0							307	4	2	606	
0.0	+	0	1.00000-	4		0		0		2		0	307	4	2	607
0.0	+	0	0.0		+ 0							307	4	2	608	
0.0	+	0	1.00000-	3		0		0		2		0	307	4	2	609
0.0	+	0	0.0		+ 0							307	4	2	610	
0.0	+	0	2.53000-	2		0		0		2		0	307	4	2	611
0.0	+	0	0.0		+ 0							307	4	2	612	
0.0	+	0	1.00000-	1		0		0		2		0	307	4	2	613
0.0	+	0	0.0		+ 0							307	4	2	614	
0.0	+	0	1.00000+	0		0		0		2		0	307	4	2	615
0.0	+	0	0.0		+ 0							307	4	2	616	
0.0	+	0	1.00000+	1		0		0		2		0	307	4	2	617
0.0	+	0	0.0		+ 0							307	4	2	618	
0.0	+	0	1.00000+	2		0		0		2		0	307	4	2	619
0.0	+	0	0.0		+ 0							307	4	2	620	
0.0	+	0	1.00000+	3		0		0		2		0	307	4	2	621
0.0	+	0	0.0		+ 0							307	4	2	622	
0.0	+	0	1.00000+	4		0		0		4		0	307	4	2	623
3.18930-	3	8.10900-	6	3.78220-	9	-4.75260-	13					307	4	2	624	
0.0	+	0	5.00000+	4		0		0		4		0	307	4	2	625
1.89780-	2	3.01730-	4	5.98750-	7	-3.87530-	10					307	4	2	626	
0.0	+	0	1.00000+	5		0		0		4		0	307	4	2	627
4.89830-	2	2.11740-	3	6.69270-	6	-8.83560-	9					307	4	2	628	
0.0	+	0	1.50000+	5		0		0		4		0	307	4	2	629
9.96230-	2	9.54120-	3	3.33070-	5	-6.68540-	8					307	4	2	630	
0.0	+	0	2.00000+	5		0		0		4		0	307	4	2	631
1.66870-	1	3.84030-	2	1.04970-	4	-2.95180-	7					307	4	2	632	

							MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....				
0.0	+ 0	2.20000+ 5	0	0	4		0	307	4	2
1.65910-	1	6.12460- 2	1.27360-	4-4.02290- 7			307	4	2	633
0.0	+ 0	2.40000+ 5	0	0	4		0	307	4	2
1.11180-	1	8.29120- 2	9.87190-	5-3.43560- 7			307	4	2	634
0.0	+ 0	2.60000+ 5	0	0	4		0	307	4	2
1.40100-	2	8.90920- 2	2.06010-	6 1.04080- 8			307	4	2	635
0.0	+ 0	2.80000+ 5	0	0	4		0	307	4	2
-7.03700-	2	7.89270-	2-1.15990-	4 5.43630- 7			307	4	2	636
0.0	+ 0	3.00000+ 5	0	0	4		0	307	4	2
-1.17780-	1	6.36430-	2-2.13450-	4 1.09040- 6			307	4	2	637
0.0	+ 0	3.50000+ 5	0	0	4		0	307	4	2
-1.44760-	1	3.51900-	2-3.69270-	4 2.40970- 6			307	4	2	638
0.0	+ 0	4.00000+ 5	0	0	4		0	307	4	2
-1.37110-	1	2.02540-	2-4.86330-	4 4.12260- 6			307	4	2	639
0.0	+ 0	5.00000+ 5	0	0	4		0	307	4	2
-1.16670-	1	3.77400-	3-7.68890-	4 1.21270- 5			307	4	2	640
0.0	+ 0	6.00000+ 5	0	0	4		0	307	4	2
-9.91710-	2	-1.86790-	3-9.64320-	4 2.10820- 5			307	4	2	641
0.0	+ 0	7.00000+ 5	0	0	4		0	307	4	2
-8.21610-	2	-6.80000-	3-1.07350-	3 1.12440- 5			307	4	2	642
0.0	+ 0	8.00000+ 5	0	0	4		0	307	4	2
-6.15420-	2	-1.19760-	2-1.23940-	3 3.61500- 6			307	4	2	643
0.0	+ 0	9.00000+ 5	0	0	4		0	307	4	2
-3.83830-	2	-1.29910-	2-1.39160-	3-3.56920- 6			307	4	2	644
0.0	+ 0	1.00000+ 6	0	0	4		0	307	4	2
-1.61100-	2	-6.71380-	3-1.57330-	3-8.09880- 6			307	4	2	645
0.0	+ 0	2.00000+ 6	0	0	4		0	307	4	2
7.62540-	2	8.93480-	2-1.31000-	2 6.19850- 4			307	4	2	646
0.0	+ 0	3.00000+ 6	0	0	4		0	307	4	2
1.71870-	1	1.69500-	1-1.14820-	2 6.89430- 3			307	4	2	647
0.0	+ 0	4.00000+ 6	0	0	4		0	307	4	2
1.47150-	1	2.66290-	1 5.61250-	2 3.60250- 2			307	4	2	648
0.0	+ 0	4.08000+ 6	0	0	4		0	307	4	2
1.32046-	1	2.09190-	1 4.32900-	2 3.01518- 2			307	4	2	649
0.0	+ 0	4.26000+ 6	0	0	4		0	307	4	2
1.45365-	1	2.14938-	1 5.58305-	2 3.35275- 2			307	4	2	650
0.0	+ 0	4.57000+ 6	0	0	4		0	307	4	2
1.85408-	1	2.32106-	1 8.32671-	2 3.78551- 2			307	4	2	651
0.0	+ 0	4.83000+ 6	0	0	4		0	307	4	2
2.45571-	1	2.44539-	1 1.00001-	1 5.34423- 2			307	4	2	652
0.0	+ 0	5.05000+ 6	0	0	4		0	307	4	2
2.48950-	1	2.41999-	1 1.08894-	1 3.55290- 2			307	4	2	653
0.0	+ 0	5.29000+ 6	0	0	4		0	307	4	2
2.73461-	1	2.34592-	1 1.05923-	1 3.26698- 2			307	4	2	654
0.0	+ 0	5.54000+ 6	0	0	4		0	307	4	2
3.08415-	1	2.38876-	1 1.17067-	1 3.83134- 2			307	4	2	655
0.0	+ 0	5.74000+ 6	0	0	4		0	307	4	2
3.69159-	1	2.58880-	1 1.28136-	1 3.57284- 2			307	4	2	656
0.0	+ 0	6.05000+ 6	0	0	4		0	307	4	2
4.09533-	1	2.90556-	1 1.29278-	1 5.02029- 2			307	4	2	657
0.0	+ 0	6.37000- 6	0	0	4		0	307	4	2
4.42804-	1	2.95634-	1 1.50549-	1 3.99168- 2			307	4	2	658
0.0	+ 0	6.66000+ 6	0	0	4		0	307	4	2

							MAT	MF	MT	SEQ		
.....	10.....	20.....	30.....	40.....	50.....	60.....						
4.50496-	1	2.92324-	1	1.43388-	1	3.92226-	2		307	4	2	
0.0	+	0	6.94000+	6	0	0	4	0	307	4	2	
4.66897-	1	3.06669-	1	1.54929-	1	4.62866-	2		307	4	2	
0.0	+	0	6.97000+	6	0	0	6	0	307	4	2	
4.61771-	1	3.15216-	1	1.59079-	1	4.77753-	2	3.85383-	3	1.97985-	3	
0.0	+	0	7.97000+	6	0	0	6	0	307	4	2	
4.92375-	1	3.20425-	1	1.67250-	1	5.17429-	2	3.63933-	3	0.0	+	
0.0	+	0	8.96000+	6	0	0	6	0	307	4	2	
5.31612-	1	3.48709-	1	1.76186-	1	5.70891-	2	0.0	+ 0-1.16446-	3	307	
0.0	+	0	9.96000+	6	0	0	6	0	307	4	2	
5.76852-	1	3.69630-	1	2.01323-	1	6.72840-	2	7.57576-	3	3.06268-	3	
0.0	+	0	1.09500+	7	0	0	8	0	307	4	2	
5.96985-	1	3.80302-	1	2.08758-	1	6.90117-	2	5.93878-	3	1.54619-	4	
-1.20603-	3	0.0	+	0					307	4	2	
0.0	+	0	1.20400+	7	0	0	8	0	307	4	2	
6.20014-	1	4.07265-	1	2.35958-	1	8.98623-	2	1.90365-	2	8.13609-	3	
1.99430-	3	0.0	+	0					307	4	2	
0.0	+	0	1.29400+	7	0	0	6	0	307	4	2	
6.53392-	1	4.27434-	1	2.47946-	1	9.52557-	2	1.90064-	2	4.76515-	3	
0.0	+	0	1.39400+	7	0	0	6	0	307	4	2	
6.70996-	1	4.42975-	1	2.60584-	1	1.05208-	1	2.23248-	2	6.26646-	3	
0.0	+	0	1.50000+	7	0	0	6	0	307	4	2	
7.04626-	1	4.67632-	1	2.55400-	1	1.00161-	1	2.64489-	2	5.98540-	3	
0.0	+	0	1.60000+	7	0	0	6	0	307	4	2	
7.17631-	1	4.78343-	1	2.68029-	1	1.09354-	1	3.11370-	2	7.46669-	3	
0.0	+	0	1.70000+	7	0	0	8	0	307	4	2	
7.29635-	1	4.89039-	1	2.80047-	1	1.18827-	1	3.62237-	2	9.15646-	3	
1.89916-	3	0.0	+	0					307	4	2	
0.0	+	0	1.80000+	7	0	0	8	0	307	4	2	
7.42211-	1	4.99881-	1	2.89938-	1	1.26401-	1	4.05877-	2	1.06253-	2	
2.27914-	3	0.0	+	0					307	4	2	
0.0	+	0	1.90000+	7	0	0	8	0	307	4	2	
7.52553-	1	5.10666-	1	3.01441-	1	1.36314-	1	4.62499-	2	1.26687-	2	
2.84769-	3	0.0	+	0					307	4	2	
0.0	+	0	2.00000+	7	0	0	8	0	307	4	2	
7.62176-	1	5.21351-	1	3.12649-	1	1.46325-	1	5.21684-	2	1.49034-	2	
3.49192-	3	0.0	+	0					307	4	2	
									307	4	0	
3.00700+	3	6.95573+	0	0	2	0		0	307	4	16	
0.0	+	0	6.95573+	0	0	1	0	0	307	4	16	
0.0	+	0	0.0	+	0	0	1	13	307	4	16	
13	2	0	0	0	0	0	0	307	4	16		
0.0	+	0	8.30000+	6	0	0	1	3	307	4	16	
3	2	0	0	0	0	0	0	307	4	16		
-1.00000+	0	0.0	+	0	9.00000-	1	0.0	+ 0 1.00000+	0	2.00000+	1	
0.0	+	0	9.00000+	6	0	0	1	21	307	4	16	
21	2	0	0	0	0	0	0	307	4	16		
-1.00000+	0	3.61670-	2	-9.00000-	1	4.63260-	2	-8.00000-	1	5.35320-	2	
-7.00000-	1	5.95570-	2	-6.00000-	1	8.10910-	2	-5.00000-	1	9.63570-	2	
-4.00000-	1	1.14320-	1	-3.00000-	1	1.45360-	1	-2.00000-	1	1.77200-	1	
-1.00000-	1	2.15150-	1	0.0	+	0	2.70080-	1	1.00000-	1	3.33120-	1
2.00000-	1	4.09010-	1	3.00000-	1	5.03280-	1	4.00000-	1	6.18610-	1	
5.00000-	1	7.55120-	1	6.00000-	1	9.18030-	1	7.00000-	1	1.13220+	0	
									307	4	16	
											738	

										MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....							
8.00000-	1 1.38110+	0 9.00000-	1 1.66770+	0 1.00000+	0 2.00940+	0 307	4	16					739
0.0	+ 0 1.00000+	7 0	0	0	1	21	307	4	16				740
21	2 0	0	0	0	0	0	307	4	16				741
-1.00000+	0 1.10730-	1-9.00000-	1 1.23580-	1-8.00000-	1 1.43900-	1 307	4	16					742
-7.00000-	1 1.57550-	1-6.00000-	1 1.83280-	1-5.00000-	1 2.03830-	1 307	4	16					743
-4.00000-	1 2.34250-	1-3.00000-	1 2.61140-	1-2.00000-	1 3.01100-	1 307	4	16					744
-1.00000-	1 3.32180-	1 0.0	+ 0 3.84370-	1 1.00000-	1 4.40060-	1 307	4	16					745
2.00000-	1 5.00290-	1 3.00000-	1 5.66170-	1 4.00000-	1 6.38120-	1 307	4	16					746
5.00000-	1 7.23630-	1 6.00000-	1 8.29750-	1 7.00000-	1 9.46440-	1 307	4	16					747
8.00000-	1 1.07480+	0 9.00000-	1 1.21560+	0 1.00000+	0 1.36920+	0 307	4	16					748
0.0	+ 0 1.10000+	7 0	0	0	1	21	307	4	16				749
21	2 0	0	0	0	0	0	307	4	16				750
-1.00000+	0 1.51920-	1-9.00000-	1 1.69520-	1-8.00000-	1 1.82580-	1 307	4	16					751
-7.00000-	1 2.06810-	1-6.00000-	1 2.25770-	1-5.00000-	1 2.51970-	1 307	4	16					752
-4.00000-	1 2.77110-	1-3.00000-	1 3.09270-	1-2.00000-	1 3.38860-	1 307	4	16					753
-1.00000-	1 3.80150-	1 0.0	+ 0 4.15930-	1 1.00000-	1 4.64270-	1 307	4	16					754
2.00000-	1 5.18530-	1 3.00000-	1 5.75570-	1 4.00000-	1 6.33630-	1 307	4	16					755
5.00000-	1 7.02270-	1 6.00000-	1 7.81720-	1 7.00000-	1 8.68530-	1 307	4	16					756
8.00000-	1 9.63570-	1 9.00000-	1 1.06750+	0 1.00000+	0 1.18090+	0 307	4	16					757
0.0	+ 0 1.20000+	7 0	0	0	1	21	307	4	16				758
21	2 0	0	0	0	0	0	307	4	16				759
-1.00000+	0 1.72670-	1-9.00000-	1 1.95310-	1-8.00000-	1 2.10160-	1 307	4	16					760
-7.00000-	1 2.31520-	1-6.00000-	1 2.52910-	1-5.00000-	1 2.73610-	1 307	4	16					761
-4.00000-	1 3.03070-	1-3.00000-	1 3.29020-	1-2.00000-	1 3.62630-	1 307	4	16					762
-1.00000-	1 3.98410-	1 0.0	+ 0 4.32840-	1 1.00000-	1 4.78760-	1 307	4	16					763
2.00000-	1 5.23690-	1 3.00000-	1 5.70490-	1 4.00000-	1 6.29580-	1 307	4	16					764
5.00000-	1 6.92180-	1 6.00000-	1 7.58880-	1 7.00000-	1 8.30220-	1 307	4	16					765
8.00000-	1 9.05990-	1 9.00000-	1 9.91130-	1 1.00000+	0 1.08650+	0 307	4	16					766
0.0	+ 0 1.30000+	7 0	0	0	1	21	307	4	16				767
21	2 0	0	0	0	0	0	307	4	16				768
-1.00000+	0 1.94960-	1-9.00000-	1 2.06600-	1-8.00000-	1 2.30350-	1 307	4	16					769
-7.00000-	1 2.46680-	1-6.00000-	1 2.70390-	1-5.00000-	1 2.92350-	1 307	4	16					770
-4.00000-	1 3.17930-	1-3.00000-	1 3.45400-	1-2.00000-	1 3.76370-	1 307	4	16					771
-1.00000-	1 4.07300-	1 0.0	+ 0 4.46170-	1 1.00000-	1 4.79060-	1 307	4	16					772
2.00000-	1 5.26660-	1 3.00000-	1 5.74440-	1 4.00000-	1 6.17920-	1 307	4	16					773
5.00000-	1 6.77310-	1 6.00000-	1 7.39840-	1 7.00000-	1 8.06000-	1 307	4	16					774
8.00000-	1 8.76250-	1 9.00000-	1 9.50830-	1 1.00000+	0 1.02930+	0 307	4	16					775
0.0	+ 0 1.40000+	7 0	0	0	1	21	307	4	16				776
21	2 0	0	0	0	0	0	307	4	16				777
-1.00000+	0 2.02670-	1-9.00000-	1 2.25040-	1-8.00000-	1 2.39430-	1 307	4	16					778
-7.00000-	1 2.61640-	1-6.00000-	1 2.81490-	1-5.00000-	1 3.02830-	1 307	4	16					779
-4.00000-	1 3.29580-	1-3.00000-	1 3.52220-	1-2.00000-	1 3.85320-	1 307	4	16					780
-1.00000-	1 4.15850-	1 0.0	+ 0 4.49950-	1 1.00000-	1 4.89330-	1 307	4	16					781
2.00000-	1 5.24190-	1 3.00000-	1 5.72410-	1 4.00000-	1 6.20590-	1 307	4	16					782
5.00000-	1 6.65520-	1 6.00000-	1 7.25110-	1 7.00000-	1 7.87540-	1 307	4	16					783
8.00000-	1 8.53110-	1 9.00000-	1 9.21890-	1 1.00000+	0 9.91260-	1 307	4	16					784
0.0	+ 0 1.50000+	7 0	0	0	1	21	307	4	16				785
21	2 0	0	0	0	0	0	307	4	16				786
-1.00000+	0 2.18430-	1-9.00000-	1 2.31920-	1-8.00000-	1 2.51100-	1 307	4	16					787
-7.00000-	1 2.70700-	1-6.00000-	1 2.86220-	1-5.00000-	1 3.14380-	1 307	4	16					788
-4.00000-	1 3.34020-	1-3.00000-	1 3.64750-	1-2.00000-	1 3.88370-	1 307	4	16					789
-1.00000-	1 4.23450-	1 0.0	+ 0 4.50410-	1 1.00000-	1 4.91380-	1 307	4	16					790
2.00000-	1 5.29300-	1 3.00000-	1 5.68890-	1 4.00000-	1 6.17140-	1 307	4	16					791

							MAT	MF	MT	SEQ					
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....			
5.00000-	1	6.64000-	1	6.00000-	1	7.13610-	1	7.00000-	1	7.73370-	1	307	4	16	792
8.00000-	1	8.35630-	1	9.00000-	1	9.00290-	1	1.00000+	0	9.63740-	1	307	4	16	793
0.0	+ 0	1.60000+	7		0		0	.1			21	307	4	16	794
	21		2		0		0	0			0	307	4	16	795
-1.00000+	0	2.24320-	1	-9.00000-	1	2.35700-	1	-8.00000-	1	2.59830-	1	307	4	16	796
-7.00000-	1	2.75240-	1	-6.00000-	1	2.98930-	1	-5.00000-	1	3.19250-	1	307	4	16	797
-4.00000-	1	3.43280-	1	-3.00000-	1	3.69110-	1	-2.00000-	1	3.95780-	1	307	4	16	798
-1.00000-	1	4.26150-	1	0.0	+ 0	4.58760-	1	1.00000-	1	4.91360-	1	307	4	16	799
2.00000-	1	5.31390-	1	3.00000-	1	5.65380-	1	4.00000-	1	6.13240-	1	307	4	16	800
5.00000-	1	6.60690-	1	6.00000-	1	7.04450-	1	7.00000-	1	7.62220-	1	307	4	16	801
8.00000-	1	8.22020-	1	9.00000-	1	8.83650-	1	1.00000+	0	9.42840-	1	307	4	16	802
0.0	+ 0	1.70000+	7		0		0	1			21	307	4	16	803
	21		2		0		0	0			0	307	4	16	804
-1.00000+	0	2.27940-	1	-9.00000-	1	2.48530-	1	-8.00000-	1	2.64530-	1	307	4	16	805
-7.00000-	1	2.79370-	1	-6.00000-	1	3.04740-	1	-5.00000-	1	3.22130-	1	307	4	16	806
-4.00000-	1	3.50010-	1	-3.00000-	1	3.71540-	1	-2.00000-	1	4.02050-	1	307	4	16	807
-1.00000-	1	4.27440-	1	0.0	+ 0	4.62330-	1	1.00000-	1	4.90810-	1	307	4	16	808
2.00000-	1	5.31530-	1	3.00000-	1	5.67500-	1	4.00000-	1	6.09790-	1	307	4	16	809
5.00000-	1	6.57030-	1	6.00000-	1	6.97870-	1	7.00000-	1	7.53460-	1	307	4	16	810
8.00000-	1	8.11370-	1	9.00000-	1	8.70680-	1	1.00000+	0	9.26690-	1	307	4	16	811
0.0	+ 0	1.80000+	7		0		0	1			21	307	4	16	812
	21		2		0		0	0			0	307	4	16	813
-1.00000+	0	2.35060-	1	-9.00000-	1	2.53540-	1	-8.00000-	1	2.67460-	1	307	4	16	814
-7.00000-	1	2.89270-	1	-6.00000-	1	3.08120-	1	-5.00000-	1	3.26950-	1	307	4	16	815
-4.00000-	1	3.53500-	1	-3.00000-	1	3.72830-	1	-2.00000-	1	4.04960-	1	307	4	16	816
-1.00000-	1	4.27850-	1	0.0	+ 0	4.63790-	1	1.00000-	1	4.91940-	1	307	4	16	817
2.00000-	1	5.30810-	1	3.00000-	1	5.69140-	1	4.00000-	1	6.06460-	1	307	4	16	818
5.00000-	1	6.53340-	1	6.00000-	1	6.97760-	1	7.00000-	1	7.45960-	1	307	4	16	819
8.00000-	1	8.02360-	1	9.00000-	1	8.59800-	1	1.00000+	0	9.13300-	1	307	4	16	820
0.0	+ 0	1.90000+	7		0		0	1			21	307	4	16	821
	21		2		0		0	0			0	307	4	16	822
-1.00000+	0	2.41690-	1	-9.00000-	1	2.56680-	1	-8.00000-	1	2.69340-	1	307	4	16	823
-7.00000-	1	2.93540-	1	-6.00000-	1	3.10230-	1	-5.00000-	1	3.33990-	1	307	4	16	824
-4.00000-	1	3.55540-	1	-3.00000-	1	3.79460-	1	-2.00000-	1	4.06480-	1	307	4	16	825
-1.00000-	1	4.32750-	1	0.0	+ 0	4.64220-	1	1.00000-	1	4.96240-	1	307	4	16	826
2.00000-	1	5.29610-	1	3.00000-	1	5.68720-	1	4.00000-	1	6.03220-	1	307	4	16	827
5.00000-	1	6.49690-	1	6.00000-	1	6.94450-	1	7.00000-	1	7.39310-	1	307	4	16	828
8.00000-	1	7.94440-	1	9.00000-	1	8.50350-	1	1.00000+	0	9.01780-	1	307	4	16	829
0.0	+ 0	2.00000+	7		0		0	1			21	307	4	16	830
	21		2		0		0	0			0	307	4	16	831
-1.00000+	0	2.45610-	1	-9.00000-	1	2.59050-	1	-8.00000-	1	2.76980-	1	307	4	16	832
-7.00000-	1	2.96510-	1	-6.00000-	1	3.11860-	1	-5.00000-	1	3.37630-	1	307	4	16	833
-4.00000-	1	3.57090-	1	-3.00000-	1	3.83770-	1	-2.00000-	1	4.07630-	1	307	4	16	834
-1.00000-	1	4.36750-	1	0.0	+ 0	4.64530-	1	1.00000-	1	4.98110-	1	307	4	16	835
2.00000-	1	5.28690-	1	3.00000-	1	5.68170-	1	4.00000-	1	6.00690-	1	307	4	16	836
5.00000-	1	6.46820-	1	6.00000-	1	6.91550-	1	7.00000-	1	7.34070-	1	307	4	16	837
8.00000-	1	7.88180-	1	9.00000-	1	8.42830-	1	1.00000+	0	8.92600-	1	307	4	16	838
											307	4	0	839	
3.00700+	3	6.95573+ 0			0		2		0		0	307	4	51	840
0.0	+ 0	6.95573+ 0			0		2		0		0	307	4	51	841
0.0	+ 0	0.0	+ 0		0		0	1			2	307	4	51	842
	2		2		0		0	0			0	307	4	51	843
0.0	+ 0	5.46274+ 5			0		0	1			2	307	4	51	844

							MAT	MF	MT	SEQ				
.....	10.....	20.....	30.....	40.....	50.....	60.....								
	2	2	0	0	0	0	0	307	4	51				
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1			845				
0.0	+ 0	2.00000+	7	0	0	1	307	4	51	846				
2	2	0	0	0	0	0	2	307	4	51				
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1	0	307	4	51			
							0	307	4	51				
							307	4	51	848				
							307	4	51	849				
							307	4	0	850				
3.00700+	3	6.95573+	0	0	2	0	0	307	4	52				
0.0	+ 0	6.95573+	0	0	2	0	0	307	4	52				
0.0	+ 0	0.0	+ 0	0	0	1	2	307	4	52				
2	2	0	0	0	0	0	0	307	4	52				
0.0	+ 0	5.30000+	6	0	0	1	2	307	4	52				
2	2	0	0	0	0	0	0	307	4	52				
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1		307	4	52			
0.0	+ 0	2.00000+	7	0	0	1	2	307	4	52				
2	2	0	0	0	0	0	0	307	4	52				
-1.00000+	0	5.00000-	1	1.00000+	0	5.00000-	1		307	4	52			
								307	4	0				
								307	4	0				
3.00700+	3	6.95573+	0	0	2	0	0	307	4	91				
0.0	+ 0	6.95573+	0	0	1	0	0	307	4	91				
0.0	+ 0	0.0	+ 0	0	0	1	19	307	4	91				
19	2	0	0	0	0	0	0	307	4	91				
0.0	+ 0	2.82200+	6	0	0	1	3	307	4	91				
3	2	0	0	0	0	0	0	307	4	91				
-1.00000+	0	0.0	+ 0	9.00000-	1	0.0	+ 0	1.00000+	0	2.00000+				
0.0	+ 0	3.00000+	6	0	0	1	21	307	4	91				
21	2	0	0	0	0	0	0	307	4	91				
-1.00000+	0	1.92040-	2-9.00000-	1	2.25850-	2-8.00000-	1	2.55210-	2	307	4	91		
-7.00000-	1	2.81530-	2-6.00000-	1	4.82520-	2-5.00000-	1	5.94840-	2	307	4	91		
-4.00000-	1	6.82260-	2-3.00000-	1	9.99090-	2-2.00000-	1	1.18750-	1	307	4	91		
-1.00000-	1	1.63560-	1	0.0	+ 0	2.11450-	1	1.00000-	1	2.59290-	1	307	4	91
2.00000-	1	3.40080-	1	3.00000-	1	4.38590-	1	4.00000-	1	5.82890-	1	307	4	91
5.00000-	1	7.44330-	1	6.00000-	1	9.50140-	1	7.00000-	1	1.20120+	0	307	4	91
8.00000-	1	1.52420+	0	9.00000-	1	1.91390+	0	1.00000+	0	2.37980+	0	307	4	91
0.0	+ 0	4.00000+	6	0	0	1	21	307	4	91	877			
21	2	0	0	0	0	0	0	307	4	91	879			
-1.00000+	0	1.70320-	1-9.00000-	1	1.89110-	1-8.00000-	1	2.06940-	1	307	4	91		
-7.00000-	1	2.21030-	1-6.00000-	1	2.49090-	1-5.00000-	1	2.67950-	1	307	4	91		
-4.00000-	1	2.99390-	1-3.00000-	1	3.22860-	1-2.00000-	1	3.60140-	1	307	4	91		
-1.00000-	1	3.88970-	1	0.0	+ 0	4.32440-	1	1.00000-	1	4.77550-	1	307	4	91
2.00000-	1	5.16650-	1	3.00000-	1	5.73330-	1	4.00000-	1	6.33210-	1	307	4	91
5.00000-	1	6.96860-	1	6.00000-	1	7.64840-	1	7.00000-	1	8.37330-	1	307	4	91
8.00000-	1	9.16200-	1	9.00000-	1	1.00760+	0	1.00000+	0	1.10660+	0	307	4	91
0.0	+ 0	5.00000+	6	0	0	1	21	307	4	91	887			
21	2	0	0	0	0	0	0	307	4	91	888			
-1.00000+	0	2.15540-	1-9.00000-	1	2.30110-	1-8.00000-	1	2.44340-	1	307	4	91		
-7.00000-	1	2.68480-	1-6.00000-	1	2.84910-	1-5.00000-	1	3.11920-	1	307	4	91		
-4.00000-	1	3.32800-	1-3.00000-	1	3.62430-	1-2.00000-	1	3.87530-	1	307	4	91		
-1.00000-	1	4.21860-	1	0.0	+ 0	4.50250-	1	1.00000-	1	4.90960-	1	307	4	91
2.00000-	1	5.27170-	1	3.00000-	1	5.69840-	1	4.00000-	1	6.18250-	1	307	4	91
5.00000-	1	6.64480-	1	6.00000-	1	7.16750-	1	7.00000-	1	7.77310-	1	307	4	91
8.00000-	1	8.40600-	1	9.00000-	1	9.06610-	1	1.00000+	0	9.71310-	1	307	4	91
0.0	+ 0	6.00000+	6	0	0	1	21	307	4	91	895			
21	2	0	0	0	0	0	0	307	4	91	897			

										MAT	MF	MT	SEQ
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....	
-1.00000+	0	2.29430-	1-9.00000-	1	2.51890-	1-8.00000-	1	2.66430-	1	307	4	91	898
-7.00000-	1	2.86850-	1-6.00000-	1	3.06980-	1-5.00000-	1	3.23210-	1	307	4	91	899
-4.00000-	1	3.52370-	1-3.00000-	1	3.72380-	1-2.00000-	1	4.04070-	1	307	4	91	900
-1.00000-	1	4.27710-	1 0.0	+ 0	4.63400-	1 1.00000-	1	4.90180-	1	307	4	91	901
2.00000-	1	5.31170-	1 3.00000-	1	5.69140-	1 4.00000-	1	6.07720-	1	307	4	91	902
5.00000-	1	6.54840-	1 6.00000-	1	6.99230-	1 7.00000-	1	7.48750-	1	307	4	91	903
8.00000-	1	8.05790-	1 9.00000-	1	8.64080-	1 1.00000+	0	9.18210-	1	307	4	91	904
0.0	+ 0	7.00000+ 6	0	0	1			21	307	4	91	905	
21	2	0	0	0	0			0	307	4	91	906	
-1.00000+	0	2.47290-	1-9.00000-	1	2.60100-	1-8.00000-	1	2.79910-	1	307	4	91	907
-7.00000-	1	2.97830-	1-6.00000-	1	3.12600-	1-5.00000-	1	3.39180-	1	307	4	91	908
-4.00000-	1	3.57810-	1-3.00000-	1	3.85460-	1-2.00000-	1	4.08170-	1	307	4	91	909
-1.00000-	1	4.38250-	1 0.0	+ 0	4.64720-	1 1.00000-	1	4.98930-	1	307	4	91	910
2.00000-	1	5.28330-	1 3.00000-	1	5.68050-	1 4.00000-	1	5.99610-	1	307	4	91	911
5.00000-	1	6.45640-	1 6.00000-	1	6.90480-	1 7.00000-	1	7.31780-	1	307	4	91	912
8.00000-	1	7.85500-	1 9.00000-	1	8.39740-	1 1.00000+	0	8.88520-	1	307	4	91	913
0.0	+ 0	8.00000+ 6	0	0	1			21	307	4	91	914	
21	2	0	0	0	0			0	307	4	91	915	
-1.00000+	0	2.53000-	1-9.00000-	1	2.69340-	1-8.00000-	1	2.87900-	1	307	4	91	916
-7.00000-	1	3.02320-	1-6.00000-	1	3.25200-	1-5.00000-	1	3.44110-	1	307	4	91	917
-4.00000-	1	3.65210-	1-3.00000-	1	3.90280-	1-2.00000-	1	4.09690-	1	307	4	91	918
-1.00000-	1	4.41980-	1 0.0	+ 0	4.64730-	1 1.00000-	1	5.00300-	1	307	4	91	919
2.00000-	1	5.26070-	1 3.00000-	1	5.66050-	1 4.00000-	1	6.02330-	1	307	4	91	920
5.00000-	1	6.39650-	1 6.00000-	1	6.83890-	1 7.00000-	1	7.21340-	1	307	4	91	921
8.00000-	1	7.73070-	1 9.00000-	1	8.24860-	1 1.00000+	0	8.70430-	1	307	4	91	922
0.0	+ 0	9.00000+ 6	0	0	1			21	307	4	91	923	
21	2	0	0	0	0			0	307	4	91	924	
-1.00000+	0	2.55760-	1-9.00000-	1	2.76570-	1-8.00000-	1	2.91440-	1	307	4	91	925
-7.00000-	1	3.06750-	1-6.00000-	1	3.29680-	1-5.00000-	1	3.46150-	1	307	4	91	926
-4.00000-	1	3.71350-	1-3.00000-	1	3.92000-	1-2.00000-	1	4.17590-	1	307	4	91	927
-1.00000-	1	4.42870-	1 0.0	+ 0	4.70210-	1 1.00000-	1	4.99720-	1	307	4	91	928
2.00000-	1	5.31150-	1 3.00000-	1	5.63360-	1 4.00000-	1	6.00570-	1	307	4	91	929
5.00000-	1	6.34330-	1 6.00000-	1	6.77960-	1 7.00000-	1	7.15420-	1	307	4	91	930
8.00000-	1	7.63290-	1 9.00000-	1	8.13360-	1 1.00000+	0	8.56700-	1	307	4	91	931
0.0	+ 0	1.00000+ 7	0	0	1			21	307	4	91	932	
21	2	0	0	0	0			0	307	4	91	933	
-1.00000+	0	2.63460-	1-9.00000-	1	2.80380-	1-8.00000-	1	2.93760-	1	307	4	91	934
-7.00000-	1	3.14260-	1-6.00000-	1	3.32400-	1-5.00000-	1	3.47540-	1	307	4	91	935
-4.00000-	1	3.74380-	1-3.00000-	1	3.93160-	1-2.00000-	1	4.20770-	1	307	4	91	936
-1.00000-	1	4.43460-	1 0.0	+ 0	4.72900-	1 1.00000-	1	4.99330-	1	307	4	91	937
2.00000-	1	5.32100-	1 3.00000-	1	5.61570-	1 4.00000-	1	5.99090-	1	307	4	91	938
5.00000-	1	6.30760-	1 6.00000-	1	6.73920-	1 7.00000-	1	7.12810-	1	307	4	91	939
8.00000-	1	7.56610-	1 9.00000-	1	8.05460-	1 1.00000+	0	8.47240-	1	307	4	91	940
0.0	+ 0	1.10000+ 7	0	0	1			21	307	4	91	941	
21	2	0	0	0	0			0	307	4	91	942	
-1.00000+	0	2.68250-	1-9.00000-	1	2.82920-	1-8.00000-	1	2.95400-	1	307	4	91	943
-7.00000-	1	3.17820-	1-6.00000-	1	3.34260-	1-5.00000-	1	3.53940-	1	307	4	91	944
-4.00000-	1	3.76360-	1-3.00000-	1	3.93980-	1-2.00000-	1	4.22660-	1	307	4	91	945
-1.00000-	1	4.43870-	1 0.0	+ 0	4.74310-	1 1.00000-	1	4.99030-	1	307	4	91	946
2.00000-	1	5.32460-	1 3.00000-	1	5.60260-	1 4.00000-	1	5.97910-	1	307	4	91	947
5.00000-	1	6.28150-	1 6.00000-	1	6.70960-	1 7.00000-	1	7.10090-	1	307	4	91	948
8.00000-	1	7.51710-	1 9.00000-	1	7.99660-	1 1.00000+	0	8.40270-	1	307	4	91	949
0.0	+ 0	1.20000+ 7	0	0	1			21	307	4	91	950	

										MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....							
21	2	0	0	0	0	0	0	0	0	307	4	91	951
-1.00000+ 0	2.71290-	1-9.00000-	1	2.84830-	1-8.00000-	1	2.97440-	1	307	4	91	952	
-7.00000- 1	3.20270-	1-6.00000-	1	3.35700-	1-5.00000-	1	3.57680-	1	307	4	91	953	
-4.00000- 1	3.77860-	1-3.00000-	1	3.94680-	1-2.00000-	1	4.24060-	1	307	4	91	954	
-1.00000- 1	4.44260-	1 0.0	+ 0	4.75320-	1 1.00000-	1	4.98900-	1	307	4	91	955	
2.00000- 1	5.32730-	1 3.00000-	1	5.59370-	1 4.00000-	1	5.97090-	1	307	4	91	956	
5.00000- 1	6.26300-	1 6.00000-	1	6.68830-	1 7.00000-	1	7.08000-	1	307	4	91	957	
8.00000- 1	7.48120-	1 9.00000-	1	7.95380-	1 1.00000+	0	8.35090-	1	307	4	91	958	
0.0	+ 0 1.30000+	7	0	0	0	1		21	307	4	91	959	
21	2	0	0	0	0	0	0	0	307	4	91	960	
-1.00000+ 0	2.73250-	1-9.00000-	1	2.86050-	1-8.00000-	1	3.03330-	1	307	4	91	961	
-7.00000- 1	3.21820-	1-6.00000-	1	3.36540-	1-5.00000-	1	3.59760-	1	307	4	91	962	
-4.00000- 1	3.78690-	1-3.00000-	1	3.99870-	1-2.00000-	1	4.24740-	1	307	4	91	963	
-1.00000- 1	4.44190-	1 0.0	+ 0	4.75660-	1 1.00000-	1	4.98390-	1	307	4	91	964	
2.00000- 1	5.32460-	1 3.00000-	1	5.58220-	1 4.00000-	1	5.95940-	1	307	4	91	965	
5.00000- 1	6.24310-	1 6.00000-	1	6.66590-	1 7.00000-	1	7.05690-	1	307	4	91	966	
8.00000- 1	7.44660-	1 9.00000-	1	7.91330-	1 1.00000+	0	8.30290-	1	307	4	91	967	
0.0	+ 0 1.40000+	7	0	0	0	1		21	307	4	91	968	
21	2	0	0	0	0	0	0	0	307	4	91	969	
-1.00000+ 0	2.74810-	1-9.00000-	1	2.87080-	1-8.00000-	1	3.06020-	1	307	4	91	970	
-7.00000- 1	3.23090-	1-6.00000-	1	3.37290-	1-5.00000-	1	3.61340-	1	307	4	91	971	
-4.00000- 1	3.79430-	1-3.00000-	1	4.02270-	1-2.00000-	1	4.25370-	1	307	4	91	972	
-1.00000- 1	4.44250-	1 0.0	+ 0	4.76020-	1 1.00000-	1	4.98090-	1	307	4	91	973	
2.00000- 1	5.32340-	1 3.00000-	1	5.57420-	1 4.00000-	1	5.95140-	1	307	4	91	974	
5.00000- 1	6.24980-	1 6.00000-	1	6.64940-	1 7.00000-	1	7.03960-	1	307	4	91	975	
8.00000- 1	7.42030-	1 9.00000-	1	7.88240-	1 1.00000+	0	8.26590-	1	307	4	91	976	
0.0	+ 0 1.50000+	7	0	0	0	1		21	307	4	91	977	
21	2	0	0	0	0	0	0	0	307	4	91	978	
-1.00000+ 0	2.75970-	1-9.00000-	1	2.87830-	1-8.00000-	1	3.07830-	1	307	4	91	979	
-7.00000- 1	3.24010-	1-6.00000-	1	3.37790-	1-5.00000-	1	3.62450-	1	307	4	91	980	
-4.00000- 1	3.79910-	1-3.00000-	1	4.03730-	1-2.00000-	1	4.25730-	1	307	4	91	981	
-1.00000- 1	4.48100-	1 0.0	+ 0	4.76140-	1 1.00000-	1	4.97680-	1	307	4	91	982	
2.00000- 1	5.32060-	1 3.00000-	1	5.56580-	1 4.00000-	1	5.94280-	1	307	4	91	983	
5.00000- 1	6.25560-	1 6.00000-	1	6.63360-	1 7.00000-	1	7.02290-	1	307	4	91	984	
8.00000- 1	7.39630-	1 9.00000-	1	7.85430-	1 1.00000+	0	8.23270-	1	307	4	91	985	
0.0	+ 0 1.60000+	7	0	0	0	1		21	307	4	91	986	
21	2	0	0	0	0	0	0	0	307	4	91	987	
-1.00000+ 0	2.76960-	1-9.00000-	1	2.88510-	1-8.00000-	1	3.09270-	1	307	4	91	988	
-7.00000- 1	3.24820-	1-6.00000-	1	3.38270-	1-5.00000-	1	3.63410-	1	307	4	91	989	
-4.00000- 1	3.80380-	1-3.00000-	1	4.04890-	1-2.00000-	1	4.26110-	1	307	4	91	990	
-1.00000- 1	4.49880-	1 0.0	+ 0	4.76330-	1 1.00000-	1	4.98020-	1	307	4	91	991	
2.00000- 1	5.31920-	1 3.00000-	1	5.55990-	1 4.00000-	1	5.93670-	1	307	4	91	992	
5.00000- 1	6.25620-	1 6.00000-	1	6.62170-	1 7.00000-	1	7.01010-	1	307	4	91	993	
8.00000- 1	7.37750-	1 9.00000-	1	7.83220-	1 1.00000+	0	8.20630-	1	307	4	91	994	
0.0	+ 0 1.70000+	7	0	0	0	1		21	307	4	91	995	
21	2	0	0	0	0	0	0	0	307	4	91	996	
-1.00000+ 0	2.77560-	1-9.00000-	1	2.88840-	1-8.00000-	1	3.10170-	1	307	4	91	997	
-7.00000- 1	3.25230-	1-6.00000-	1	3.41820-	1-5.00000-	1	3.63890-	1	307	4	91	998	
-4.00000- 1	3.80460-	1-3.00000-	1	4.05460-	1-2.00000-	1	4.26080-	1	307	4	91	999	
-1.00000- 1	4.50680-	1 0.0	+ 0	4.76080-	1 1.00000-	1	5.00530-	1	307	4	91	1000	
2.00000- 1	5.31350-	1 3.00000-	1	5.57920-	1 4.00000-	1	5.92660-	1	307	4	91	1001	
5.00000- 1	6.25010-	1 6.00000-	1	6.60610-	1 7.00000-	1	6.99340-	1	307	4	91	1002	
8.00000- 1	7.35550-	1 9.00000-	1	7.80690-	1 1.00000+	0	8.17710-	1	307	4	91	1003	

										MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....							
0.0	+ 0	1.80000+ 7		0	0	1			21	307	4	91	1004
	21	2		0	0	0			0	307	4	91	1005
-1.00000+	0	2.78180- 1-9.00000-	1	2.89240- 1-8.00000-	1	3.11030- 1	307	4	91	1006			
-7.00000-	1	3.25700- 1-6.00000-	1	3.43800- 1-5.00000-	1	3.64440- 1	307	4	91	1007			
-4.00000-	1	3.80680- 1-3.00000-	1	4.06080- 1-2.00000-	1	4.26210- 1	307	4	91	1008			
-1.00000-	1	4.51410- 1 0.0	+ 0	4.76070- 1 1.00000-	1	5.01530- 1	307	4	91	1009			
2.00000-	1	5.31080- 1 3.00000-	1	5.58700- 1 4.00000-	1	5.92040- 1	307	4	91	1010			
5.00000-	1	6.24650- 1 6.00000-	1	6.59530- 1 7.00000-	1	6.98180- 1	307	4	91	1011			
8.00000-	1	7.33950- 1 9.00000-	1	7.78830- 1 1.00000+	0	8.15520- 1	307	4	91	1012			
0.0	+ 0	1.90000+ 7		0	0	1		21	307	4	91	1013	
	21	2		0	0	0		0	307	4	91	1014	
-1.00000+	0	2.78700- 1-9.00000-	1	2.91280- 1-8.00000-	1	3.11730- 1	307	4	91	1015			
-7.00000-	1	3.26090- 1-6.00000-	1	3.45130- 1-5.00000-	1	3.64880- 1	307	4	91	1016			
-4.00000-	1	3.80840- 1-3.00000-	1	4.06570- 1-2.00000-	1	4.26310- 1	307	4	91	1017			
-1.00000-	1	4.51950- 1 0.0	+ 0	4.76020- 1 1.00000-	1	5.02140- 1	307	4	91	1018			
2.00000-	1	5.30810- 1 3.00000-	1	5.59060- 1 4.00000-	1	5.91450- 1	307	4	91	1019			
5.00000-	1	6.24270- 1 6.00000-	1	6.58550- 1 7.00000-	1	6.97120- 1	307	4	91	1020			
8.00000-	1	7.32510- 1 9.00000-	1	7.77160- 1 1.00000+	0	8.13570- 1	307	4	91	1021			
0.0	+ 0	2.00000+ 7		0	0	1		21	307	4	91	1022	
	21	2		0	0	0		0	307	4	91	1023	
-1.00000+	0	2.79140- 1-9.00000-	1	2.93730- 1-8.00000-	1	3.12330- 1	307	4	91	1024			
-7.00000-	1	3.26430- 1-6.00000-	1	3.46140- 1-5.00000-	1	3.65260- 1	307	4	91	1025			
-4.00000-	1	3.80980- 1-3.00000-	1	4.06980- 1-2.00000-	1	4.26380- 1	307	4	91	1026			
-1.00000-	1	4.52370- 1 0.0	+ 0	4.75960- 1 1.00000-	1	5.02560- 1	307	4	91	1027			
2.00000-	1	5.30560- 1 3.00000-	1	5.59250- 1 4.00000-	1	5.90930- 1	307	4	91	1028			
5.00000-	1	6.23900- 1 6.00000-	1	6.57680- 1 7.00000-	1	6.96180- 1	307	4	91	1029			
8.00000-	1	7.31230- 1 9.00000-	1	7.75680- 1 1.00000+	0	8.11830- 1	307	4	91	1030			
										307	4	0	1031
										307	0	0	1032
3.00700+	3	6.95573+ 0		0	0	1			0	307	5	16	1033
0.0	+ 0	0.0	+ 0	0	1	1			2	307	5	16	1034
	2	2		0	0	0			0	307	5	16	1035
8.30000+	6	1.000000+ 0	2.00000+ 7	1.00000+ 0						307	5	16	1036
0.0	+ 0	0.0	+ 0	0	0	1			13	307	5	16	1037
	13	2		0	0	0			0	307	5	16	1038
0.0	+ 0	8.30000+ 6		0	0	1			3	307	5	16	1039
	3	2		0	0	0			0	307	5	16	1040
0.0	+ 0	0.0	+ 0	6.55110+ 4	1.52650- 5	1.31020+ 5	0.0	+ 0	307	5	16	1041	
0.0	- 0	9.00000+ 6		0	0	1			21	307	5	16	1042
	21	2		0	0	0			0	307	5	16	1043
0.0	+ 0	0.0	+ 0	6.19030+ 4	1.25430- 6	1.23810+ 5	1.54250- 6	307	5	16	1044		
1.85710+	5	1.53960- 6	2.47610+ 5	1.48830- 6	3.09510+ 5	1.41800- 6	307	5	16	1045			
3.71420+	5	1.32590- 6	4.33320+ 5	1.23000- 6	4.95220+ 5	1.12170- 6	307	5	16	1046			
5.57130+	5	1.01000- 6	6.19030+ 5	8.97140- 7	6.80930+ 5	7.80680- 7	307	5	16	1047			
7.42840+	5	6.58330- 7	8.04740+ 5	5.536680- 7	8.66640+ 5	4.54010- 7	307	5	16	1048			
9.28540+	5	3.40150- 7	9.90450+ 5	2.55750- 7	1.05240+ 6	1.71640- 7	307	5	16	1049			
1.11430+	6	8.17010- 8	1.17620+ 6	4.80400- 8	1.23810+ 6	0.0	+ 0	307	5	16	1050		
0.0	+ 0	1.00000+ 7		0	0	1			21	307	5	16	1051
	21	2		0	0	0			0	307	5	16	1052
0.0	+ 0	0.0	+ 0	1.18650+ 5	5.26980- 7	2.37300+ 5	6.97610- 7	307	5	16	1053		
3.55940+	5	7.90140- 7	4.74590+ 5	8.27400- 7	5.93240+ 5	8.00320- 7	307	5	16	1054			
7.11890+	5	7.39950- 7	8.30340+ 5	6.76570- 7	9.49180+ 5	6.10110- 7	307	5	16	1055			
1.06780+	6	5.38980- 7	1.18650+ 6	4.78670- 7	1.30510+ 6	4.15540- 7	307	5	16	1056			

										MAT	MF	MT	SEQ		
.....	10.....	20.....	30.....	40.....	50.....	60.....									
1.42380+	6	3.51100-	7	1.54240+	6	2.85880-	7	1.66110+	6	2.26090-	7	307	5	16	1057
1.77970+	6	1.77430-	7	1.89840+	6	1.31170-	7	2.01700+	6	8.81970-	8	307	5	16	1058
2.13570+	6	4.94730-	8	2.25430+	6	1.67030-	8	2.37300+	6	0.0	+ 0	307	5	16	1059
0.0	+ 0	1.10000+	7	0	0	0	1	21	307	5	16	1060			
21	2	0	0	0	0	0	0	0	307	5	16	1061			
0.0	+ 0	0.0	+ 0	1.72270+	5	3.27250-	7	3.44540+	5	4.37960-	7	307	5	16	1062
5.16820+	5	5.03760-	7	6.89090+	5	5.40610-	7	8.61360+	5	5.52950-	7	307	5	16	1063
1.03360+	6	5.37160-	7	1.20590+	6	4.90320-	7	1.37820+	6	4.41900-	7	307	5	16	1064
1.55050+	6	3.93060-	7	1.72270+	6	3.44040-	7	1.89500+	6	2.95420-	7	307	5	16	1065
2.06730+	6	2.51400-	7	2.23950+	6	2.08630-	7	2.41180+	6	1.64530-	7	307	5	16	1066
2.58410+	6	1.24980-	7	2.75640+	6	9.03620-	8	2.92860+	6	5.89530-	8	307	5	16	1067
3.10090+	6	3.16550-	8	3.27320+	6	9.84900-	9	3.44540+	6	0.0	+ 0	307	5	16	1068
0.0	+ 0	1.20000+	7	0	0	0	1	21	307	5	16	1069			
21	2	0	0	0	0	0	0	0	307	5	16	1070			
0.0	+ 0	0.0	+ 0	2.24660+	5	2.35940-	7	4.49320+	5	3.17260-	7	307	5	16	1071
6.73980+	5	3.67180-	7	8.98640+	5	3.97450-	7	1.12330+	6	4.11950-	7	307	5	16	1072
1.34800+	6	4.11290-	7	1.57260+	6	3.90200-	7	1.79730+	6	3.51810-	7	307	5	16	1073
2.02190+	6	3.11480-	7	2.24660+	6	2.72930-	7	2.47130+	6	2.36080-	7	307	5	16	1074
2.69590+	6	1.98820-	7	2.92060+	6	1.64650-	7	3.14520+	6	1.30430-	7	307	5	16	1075
3.36990+	6	1.01190-	7	3.59460+	6	7.33960-	8	3.81920+	6	4.76960-	8	307	5	16	1076
4.04390+	6	2.44970-	8	4.26860+	6	6.92210-	9	4.49320+	6	0.0	+ 0	307	5	16	1077
0.0	+ 0	1.30000+	7	0	0	0	1	21	307	5	16	1078			
21	2	0	0	0	0	0	0	0	307	5	16	1079			
0.0	+ 0	0.0	+ 0	2.76390+	5	1.84090-	7	5.52780+	5	2.48190-	7	307	5	16	1080
8.29170+	5	2.88220-	7	1.10560+	6	3.13400-	7	1.38190+	6	3.26930-	7	307	5	16	1081
1.65830+	6	3.29800-	7	1.93470+	6	3.21030-	7	2.21110+	6	2.93750-	7	307	5	16	1082
2.48750+	6	2.61400-	7	2.76390+	6	2.28740-	7	3.04030+	6	1.97150-	7	307	5	16	1083
3.31670+	6	1.66480-	7	3.59310+	6	1.36000-	7	3.86950+	6	1.10030-	7	307	5	16	1084
4.14580+	6	8.22680-	8	4.42220+	6	6.03910-	8	4.69860+	6	4.01850-	8	307	5	16	1085
4.97500+	6	2.23220-	8	5.25140+	6	7.72620-	9	5.52780+	6	0.0	+ 0	307	5	16	1086
0.0	+ 0	1.40000+	7	0	0	0	1	21	307	5	16	1087			
21	2	0	0	0	0	0	0	0	307	5	16	1088			
0.0	+ 0	0.0	+ 0	3.27710+	5	1.50840-	7	6.55430+	5	2.03720-	7	307	5	16	1089
9.83140+	5	2.37090-	7	1.31090+	6	2.58540-	7	1.63860+	6	2.70750-	7	307	5	16	1090
1.96630+	6	2.74710-	7	2.29400+	6	2.70170-	7	2.62170+	6	2.53560-	7	307	5	16	1091
2.94940+	6	2.25800-	7	3.27710+	6	1.97250-	7	3.60490+	6	1.69210-	7	307	5	16	1092
3.93260+	6	1.43500-	7	4.26030+	6	1.18490-	7	4.58800+	6	9.37150-	8	307	5	16	1093
4.91570+	6	7.26840-	8	5.24340+	6	5.08790-	8	5.57110+	6	3.41290-	8	307	5	16	1094
5.89290+	6	1.92830-	8	6.22660+	6	7.11460-	9	6.55430+	6	0.0	+ 0	307	5	16	1095
0.0	+ 0	1.50000+	7	0	0	0	1	21	307	5	16	1096			
21	2	0	0	0	0	0	0	0	307	5	16	1097			
0.0	+ 0	0.0	+ 0	3.78770+	5	1.27700-	7	7.57540+	5	1.72680-	7	307	5	16	1098
1.13630+	6	2.01270-	7	1.51510-	6	2.19900-	7	1.89390+	6	2.30900-	7	307	5	16	1099
2.27260+	6	2.35160-	7	2.65140+	6	2.32680-	7	3.03020+	6	2.22130-	7	307	5	16	1100
3.40890+	6	1.99320-	7	3.78770+	6	1.73510-	7	4.16650+	6	1.49610-	7	307	5	16	1101
4.54520+	6	1.26200-	7	4.92400+	6	1.03430-	7	5.30280+	6	8.33600-	8	307	5	16	1102
5.68160+	6	6.36040-	8	6.06030+	6	4.59150-	8	6.43910+	6	2.95380-	8	307	5	16	1103
6.81790+	6	1.68330-	8	7.19660+	6	6.38990-	9	7.57540+	6	0.0	+ 0	307	5	16	1104
0.0	+ 0	1.60000+	7	0	0	0	1	21	307	5	16	1105			
21	2	0	0	0	0	0	0	0	307	5	16	1106			
0.0	+ 0	0.0	+ 0	4.29640+	5	1.10680-	7	8.59270+	5	1.49800-	7	307	5	16	1107
1.28890+	6	1.74800-	7	1.71850+	6	1.91250-	7	2.14820+	6	2.01190-	7	307	5	16	1108
2.57780+	5	2.05450-	7	3.00750+	6	2.04120-	7	3.43710+	6	1.96450-	7	307	5	16	1109

										MAT	MF	MT	SEQ
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....	
3.86670+	6	1.77760-	7	4.29640+	6	1.56130-	7	4.72600+	6	1.34350-	7	307	5 16 1110
5.15560+	6	1.13290-	7	5.58530+	6	9.34890-	8	6.01490+	6	7.45870-	8	307	5 16 1111
6.44450+	6	5.62910-	8	6.87420+	6	4.12920-	8	7.30380+	6	2.59930-	8	307	5 16 1112
7.73350+	6	1.48920-	8	8.16310+	6	5.74820-	9	8.59270+	6	0.0	+ 0	307	5 16 1113
0.0	+ 0	1.70000+	7		0		0		1		21	307	5 16 1114
	21		2		0		0		0		0	307	5 16 1115
0.0	+ 0	0.0	+ 0	4.80360+	5	9.76710-	8	9.60730+	5	1.32280-	7	307	5 16 1116
1.44110+	6	1.54490-	7	1.92150+	6	1.69220-	7	2.40180+	6	1.78270-	7	307	5 16 1117
2.88220+	6	1.82400-	7	3.36250+	6	1.81760-	7	3.84290+	6	1.75860-	7	307	5 16 1118
4.32330+	6	1.61970-	7	4.80360+	6	1.41090-	7	5.28400+	6	1.21610-	7	307	5 16 1119
5.76440+	6	1.02750-	7	6.24470+	6	8.45720-	8	6.72510+	6	6.71570-	8	307	5 16 1120
7.20550+	6	5.14860-	8	7.68580+	6	3.72750-	8	8.16620+	6	2.33330-	8	307	5 16 1121
8.64650+	6	1.33380-	8	9.12690+	6	5.20580-	9	9.60730+	6	0.0	+ 0	307	5 16 1122
0.0	+ 0	1.80000+	7		0		0		1		21	307	5 16 1123
	21		2		0		0		0		0	307	5 16 1124
0.0	+ 0	0.0	+ 0	5.30980+	5	8.73530-	8	1.06200+	6	1.18380-	7	307	5 16 1125
1.59300+	6	1.38350-	7	2.12390+	6	1.51670-	7	2.65490+	6	1.59960-	7	307	5 16 1126
3.18590+	6	1.63910-	7	3.71690+	6	1.63710-	7	4.24790+	6	1.59000-	7	307	5 16 1127
4.77890+	6	1.47950-	7	5.30980+	6	1.29690-	7	5.84080+	6	1.11220-	7	307	5 16 1128
6.37180+	6	9.35330-	8	6.90280+	6	7.69240-	8	7.43380+	6	6.13430-	8	307	5 16 1129
7.96480+	6	4.74210-	8	8.49580+	6	3.38800-	8	9.02670+	6	2.22050-	8	307	5 16 1130
9.55770+	6	1.20650-	8	1.00890+	7	4.74620-	9	1.06200+	7	0.0	+ 0	307	5 16 1131
0.0	+ 0	1.90000+	7		0		0		1		21	307	5 16 1132
	21		2		0		0		0		0	307	5 16 1133
0.0	+ 0	0.0	+ 0	5.81520+	5	7.89580-	8	1.16300+	6	1.07050-	7	307	5 16 1134
1.74460+	6	1.25180-	7	2.32610+	6	1.37330-	7	2.90760+	6	1.44970-	7	307	5 16 1135
3.48910+	6	1.48730-	7	4.07070+	6	1.48810-	7	4.65220+	6	1.44960-	7	307	5 16 1136
5.23370+	6	1.35970-	7	5.81520+	6	1.19160-	7	6.39670+	6	1.02860-	7	307	5 16 1137
6.97830+	6	8.67030-	8	7.55980+	6	7.12870-	8	8.14130+	6	5.70320-	8	307	5 16 1138
8.72280+	6	4.36600-	8	9.30440+	6	3.10030-	8	9.88590+	6	2.06090-	8	307	5 16 1139
1.04670+	7	1.10030-	8	1.10490+	7	4.35460-	9	1.16300+	7	0.0	+ 0	307	5 16 1140
0.0	+ 0	2.00000+	7		0		0		1		21	307	5 16 1141
	21		2		0		0		0		0	307	5 16 1142
0.0	+ 0	0.0	+ 0	6.32000+	5	7.20680-	8	1.26400+	6	9.77440-	8	307	5 16 1143
1.89600+	6	1.14350-	7	2.52800+	6	1.25520-	7	3.16000+	6	1.32600-	7	307	5 16 1144
3.79200+	6	1.36190-	7	4.42400+	6	1.36450-	7	5.05600+	6	1.33230-	7	307	5 16 1145
5.68800+	6	1.25620-	7	6.32000+	6	1.11090-	7	6.95200+	6	9.52780-	8	307	5 16 1146
7.58400+	6	8.05550-	8	8.21600+	6	6.63600-	8	8.84790+	6	5.29670-	8	307	5 16 1147
9.47990+	6	4.03970-	8	1.01120+	7	2.85740-	8	1.07440+	7	1.91570-	8	307	5 16 1148
1.13760+	7	1.01150-	8	1.20080+	7	4.02210-	9	1.26400+	7	0.0	+ 0	307	5 16 1149
											307	5 0 1150	
3.00700+	3	6.95573+	0		0		0		1		0	307	5 91 1151
0.0	+ 0	0.0	+ 0		0		1		1		2	307	5 91 1152
	2		2		0		0		0		0	307	5 91 1153
2.82200+	6	1.000000+	0	2.000000+	7	1.000000+	0				307	5 91 1154	
0.0	+ 0	0.0	+ 0		0		0		1		19	307	5 91 1155
	19		2		0		0		0		0	307	5 91 1156
0.0	+ 0	2.82200+	6		0		0		1		3	307	5 91 1157
	3		2		0		0		0		0	307	5 91 1158
0.0	+ 0	0.0	+ 0	2.22870+	4	4.48680-	5	4.45750+	4	0.0	+ 0	307	5 91 1159
0.0	+ 0	3.000000+	6		0		0		1		21	307	5 91 1160
	21		2		0		0		0		0	307	5 91 1161
0.0	+ 0	0.0	+ 0	1.72500+	4	4.74370-	6	3.45000+	4	5.30520-	6	307	5 91 1162

										MAT	MF	MT	SEQ
.....	10	.....	20	.....	30	.....	40	.....	50	.....	60	.....	
5.17500+	4	5.35600-	6	6.90000+	4	5.24240-	6	8.62500+	4	5.05790-	6	307	5 91 1163
1.03500+	5	4.69680-	6	1.20750+	5	4.36780-	6	1.38000+	5	3.97800-	6	307	5 91 1164
1.55250+	5	3.67640-	6	1.72500+	5	3.28140-	6	1.89750+	5	2.82940-	6	307	5 91 1165
2.07000+	5	2.42690-	6	2.24250+	5	2.06490-	6	2.41500+	5	1.57830-	6	307	5 91 1166
2.58750+	5	1.32260-	6	2.76000+	5	8.78050-	7	2.93250+	5	6.76040-	7	307	5 91 1167
3.10500+	5	2.82730-	7	3.27750+	5	2.06280-	7	3.45000+	5	0.0	+ 0	307	5 91 1168
0.0	+ 0	4.00000+	6	0	0	0	1			21	307	5 91 1169	
	21	2	0	0	0	0	0			0	307	5 91 1170	
0.0	+ 0	0.0	+ 0	7.20940+	4	7.45190-	7	1.44190+	5	1.00110-	6	307	5 91 1171
2.16280+	5	1.15730-	6	2.88370+	5	1.25080-	6	3.60470+	5	1.29350-	6	307	5 91 1172
4.32560+	5	1.28630-	6	5.04660+	5	1.21030-	6	5.76750+	5	1.08360-	6	307	5 91 1173
6.48840+	5	9.64300-	7	7.20940+	5	8.43730-	7	7.93030+	5	7.24320-	7	307	5 91 1174
8.65120+	5	6.18500-	7	9.37220+	5	5.02160-	7	1.00930+	6	4.07260-	7	307	5 91 1175
1.08140+	6	3.14990-	7	1.15350+	6	2.27190-	7	1.22560+	6	1.45190-	7	307	5 91 1176
1.29770+	6	7.30540-	8	1.36980+	6	2.20850-	8	1.44190+	6	0.0	+ 0	307	5 91 1177
0.0	+ 0	5.00000+	6	0	0	0	1			21	307	5 91 1178	
	21	2	0	0	0	0	0			0	307	5 91 1179	
0.0	+ 0	0.0	+ 0	1.23530+	5	3.93670-	7	2.47060+	5	5.32150-	7	307	5 91 1180
3.70590+	5	6.20020-	7	4.94120+	5	6.77070-	7	6.17650+	5	7.10430-	7	307	5 91 1181
7.41180+	5	7.22830-	7	8.64710+	5	7.14110-	7	9.88240+	5	6.79400-	7	307	5 91 1182
1.11180+	6	6.05260-	7	1.23530+	6	5.30330-	7	1.35880+	6	4.57140-	7	307	5 91 1183
1.48240+	6	3.85870-	7	1.60590+	6	3.16710-	7	1.72940+	6	2.53410-	7	307	5 91 1184
1.85290+	6	1.94830-	7	1.97650+	6	1.39540-	7	2.10000+	6	9.08420-	8	307	5 91 1185
2.22350+	6	5.18130-	8	2.34710+	6	1.97950-	8	2.47060+	6	0.0	+ 0	307	5 91 1186
0.0	+ 0	6.00000+	6	0	0	0	1			21	307	5 91 1187	
	21	2	0	0	0	0	0			0	307	5 91 1188	
0.0	+ 0	0.0	+ 0	1.74280+	5	2.67100-	7	3.48560+	5	3.61890-	7	307	5 91 1189
5.22840+	5	4.22850-	7	6.97120+	5	4.63440-	7	8.71390+	5	4.88600-	7	307	5 91 1190
1.04570+	6	5.00430-	7	1.22000+	6	4.99450-	7	1.39420+	6	4.84510-	7	307	5 91 1191
1.56850+	6	4.48500-	7	1.74280+	6	3.93680-	7	1.91710+	6	3.36590-	7	307	5 91 1192
2.09130+	6	2.84580-	7	2.26560+	6	2.34160-	7	2.43990+	6	1.85700-	7	307	5 91 1193
2.61420+	6	1.44090-	7	2.78850+	6	1.03320-	7	2.96270+	6	6.74350-	8	307	5 91 1194
3.13700+	6	3.69560-	8	3.31130+	6	1.46420-	8	3.48560+	6	0.0	+ 0	307	5 91 1195
0.0	+ 0	7.00000+	6	0	0	0	1			21	307	5 91 1196	
	21	2	0	0	0	0	0			0	307	5 91 1197	
0.0	+ 0	0.0	+ 0	2.24750+	5	2.01800-	7	4.49500+	5	2.73760-	7	307	5 91 1198
6.74250+	5	3.20350-	7	8.98990+	5	3.51750-	7	1.12370+	6	3.71750-	7	307	5 91 1199
1.34850+	6	3.81990-	7	1.57320+	6	3.83030-	7	1.79800+	6	3.74420-	7	307	5 91 1200
2.02270+	6	3.53890-	7	2.24750+	6	3.14030-	7	2.47220+	6	2.68780-	7	307	5 91 1201
2.69700+	6	2.27520-	7	2.92170+	6	1.87580-	7	3.14650+	6	1.49710-	7	307	5 91 1202
3.37120+	6	1.14070-	7	3.59600+	6	8.05880-	8	3.82070+	6	5.43440-	8	307	5 91 1203
4.04550+	6	2.85750-	8	4.27020+	6	1.14860-	8	4.49500+	6	0.0	+ 0	307	5 91 1204
0.0	+ 0	8.00000+	6	0	0	0	1			21	307	5 91 1205	
	21	2	0	0	0	0	0			0	307	5 91 1206	
0.0	+ 0	0.0	+ 0	2.75070+	5	1.62230-	7	5.50150+	5	2.20240-	7	307	5 91 1207
8.25220+	5	2.57970-	7	1.10030+	6	2.83580-	7	1.37540+	6	3.00140-	7	307	5 91 1208
1.65040+	6	3.09010-	7	1.92550+	6	3.10690-	7	2.20060+	6	3.04990-	7	307	5 91 1209
2.47570+	6	2.90620-	7	2.75070+	6	2.61960-	7	3.02580+	6	2.25060-	7	307	5 91 1210
3.30090+	6	1.89730-	7	3.57600+	6	1.55100-	7	3.85100+	6	1.23640-	7	307	5 91 1211
4.12610+	6	9.38710-	8	4.40120+	6	6.88310-	8	4.67630+	6	4.49790-	8	307	5 91 1212
4.95130+	6	2.32850-	8	5.22640+	6	9.43260-	9	5.50150+	6	0.0	+ 0	307	5 91 1213
0.0	+ 0	9.00000+	6	0	0	0	1			21	307	5 91 1214	
	21	2	0	0	0	0	0			0	307	5 91 1215	

.....10.....20.....30.....40.....50.....60.....										MAT	MF	MT	SEQ		
0.0	+ 0	0.0	+ 0	3.25320+	5	1.35420-	7	6.50630+	5	1.83940-	7	307	5	91	1216
9.75950+	5	2.15590-	7	1.30130+	6	2.37180-	7	1.62660+	6	2.51280-	7	307	5	91	1217
1.95190+	6	2.59040-	7	2.27720+	6	2.60910-	7	2.60250+	6	2.56810-	7	307	5	91	1218
2.92780+	6	2.45880-	7	3.25320+	6	2.24170-	7	3.57850+	6	1.92560-	7	307	5	91	1219
3.90380+	6	1.62660-	7	4.22910+	6	1.34100-	7	4.55440+	6	1.06940-	7	307	5	91	1220
4.87970+	6	8.18830-	8	5.20510+	6	5.90190-	8	5.53040+	6	3.82160-	8	307	5	91	1221
5.85570+	6	2.03570-	8	6.18100+	6	7.98350-	9	6.50630+	6	0.0	+ 0	307	5	91	1222
0.0	+ 0	1.00000+	7	0	0	0	1		21	307	5	91	1223		
21	2	0	0	0	0	0	0		0	307	5	91	1224		
0.0	+ 0	0.0	+ 0	3.75510+	5	1.16280-	7	7.51010+	5	1.58010-	7	307	5	91	1225
1.12650+	6	1.85280-	7	1.50200+	6	2.03950-	7	1.87750+	6	2.16220-	7	307	5	91	1226
2.25300+	6	2.23110-	7	2.62850+	6	2.25010-	7	3.00400+	6	2.21880-	7	307	5	91	1227
3.37950+	6	2.13120-	7	3.75510+	6	1.96220-	7	4.13060+	6	1.69250-	7	307	5	91	1228
4.50610+	6	1.41910-	7	4.88160+	6	1.17300-	7	5.25710+	6	9.37430-	8	307	5	91	1229
5.63260+	6	7.17330-	8	6.00810+	6	5.15290-	8	6.38360+	6	3.32130-	8	307	5	91	1230
6.75910+	6	1.84070-	8	7.13460+	6	6.92210-	9	7.51010+	6	0.0	+ 0	307	5	91	1231
0.0	+ 0	1.10000+	7	0	0	0	1		21	307	5	91	1232		
21	2	0	0	0	0	0	0		0	307	5	91	1233		
0.0	+ 0	0.0	+ 0	4.25660+	5	1.01910-	7	8.51310+	5	1.38520-	7	307	5	91	1234
1.27700+	6	1.62480-	7	1.70260+	6	1.78930-	7	2.12830+	6	1.89800-	7	307	5	91	1235
2.55390+	6	1.95980-	7	2.97960+	6	1.97840-	7	3.40530+	6	1.95360-	7	307	5	91	1236
3.83090+	6	1.88070-	7	4.25660+	6	1.74220-	7	4.68220+	6	1.50370-	7	307	5	91	1237
5.10790+	6	1.27020-	7	5.53350+	6	1.04090-	7	5.95920+	6	8.32690-	8	307	5	91	1238
6.38480+	6	6.37090-	8	6.81050+	6	4.56890-	8	7.23620+	6	2.93640-	8	307	5	91	1239
7.66180+	6	1.65510-	8	8.08750+	6	6.11060-	9	8.51310+	6	0.0	+ 0	307	5	91	1240
0.0	+ 0	1.20000+	7	0	0	0	1		21	307	5	91	1241		
21	2	0	0	0	0	0	0		0	307	5	91	1242		
0.0	+ 0	0.0	+ 0	4.75780+	5	9.07360-	8	9.51570+	5	1.23360-	7	307	5	91	1243
1.42730+	6	1.44740-	7	1.90310+	6	1.59440-	7	2.37890+	6	1.69200-	7	307	5	91	1244
2.85470+	6	1.74800-	7	3.33050+	6	1.76590-	7	3.80630+	6	1.74560-	7	307	5	91	1245
4.28200-	6	1.68340-	7	4.75780+	6	1.56570-	7	5.23360+	6	1.35360-	7	307	5	91	1246
5.70940+	6	1.14640-	7	6.18520+	6	9.35250-	8	6.66100+	6	7.48620-	8	307	5	91	1247
7.13670+	6	5.72750-	8	7.61250+	6	4.10320-	8	8.08830+	6	2.63190-	8	307	5	91	1248
8.56410+	6	1.49880-	8	9.03990+	6	5.47070-	9	9.51570+	6	0.0	+ 0	307	5	91	1249
0.0	+ 0	1.30000+	7	0	0	0	1		21	307	5	91	1250		
21	2	0	0	0	0	0	0		0	307	5	91	1251		
0.0	+ 0	0.0	+ 0	5.25890+	5	8.17080-	8	1.05180+	6	1.11100-	7	307	5	91	1252
1.57770+	6	1.30390-	7	2.10360+	6	1.43680-	7	2.62940+	6	1.52520-	7	307	5	91	1253
3.15530+	6	1.57640-	7	3.68120+	6	1.59340-	7	4.20710+	6	1.57650-	7	307	5	91	1254
4.73300+	6	1.52230-	7	5.25890+	6	1.42000-	7	5.78480+	6	1.23790-	7	307	5	91	1255
6.31070+	6	1.04220-	7	6.83660+	6	8.57600-	8	7.36240+	6	6.79200-	8	307	5	91	1256
7.88830+	6	5.19620-	8	8.41420+	6	3.72000-	8	8.94010+	6	2.38250-	8	307	5	91	1257
9.46600+	6	1.36660-	8	9.99190+	6	4.94220-	9	1.05180+	7	0.0	+ 0	307	5	91	1258
0.0	+ 0	1.40000+	7	0	0	0	1		21	307	5	91	1259		
21	2	0	0	0	0	0	0		0	307	5	91	1260		
0.0	+ 0	0.0	+ 0	5.75980+	5	7.43370-	8	1.15200+	6	1.01100-	7	307	5	91	1261
1.72790-	6	1.18670-	7	2.30390+	5	1.30790-	7	2.87990+	6	1.38880-	7	307	5	91	1262
3.45590+	6	1.43590-	7	4.03190+	5	1.45210-	7	4.60790-	5	1.43760-	7	307	5	91	1263
5.13380+	6	1.38970-	7	5.75980+	5	1.29930-	7	6.33580+	6	1.13640-	7	307	5	91	1264
6.91180+	6	9.55160-	8	7.48780+	5	7.88310-	8	8.06370+	6	6.21610-	8	307	5	91	1265
8.63970+	6	4.75560-	8	9.21570+	6	3.40280-	8	9.79170+	6	2.21370-	8	307	5	91	1266
1.03680+	7	1.25530-	8	1.09440+	7	4.51810-	9	1.15200+	7	0.0	+ 0	307	5	91	1267
0.0	+ 0	1.50000+	7	0	0	0	1		21	307	5	91	1268		

										MAT	MF	MT	SEQ	
.....	10.....	20.....	30.....	40.....	50.....	60.....								
	21		2	0	0	0				0	307	5	91	
0.0	+ 0	0.0	+ 0	6.26060+	5	6.81670-	8	1.25210+	6	9.27190-	8	307	5	91
1.87820+	6	1.08850-	7	2.50420+	6	1.19990-	7	3.13030+	6	1.27440-	7	307	5	91
3.75640+	6	1.31800-	7	4.38240+	6	1.33340-	7	5.00850+	6	1.32090-	7	307	5	91
5.63460+	6	1.27800-	7	6.26060+	6	1.19700-	7	6.88670+	6	1.04930-	7	307	5	91
7.51270+	6	8.81040-	8	8.13880+	6	7.28380-	8	8.76490+	6	5.79100-	8	307	5	91
9.39090+	6	4.38210-	8	1.00170+	7	3.13420-	8	1.06430+	7	2.06860-	8	307	5	91
1.12690+	7	1.15990-	8	1.18950+	7	4.15550-	9	1.25210+	7	0.0	+ 0	307	5	91
0.0	+ 0	1.60000+	7					1		21	307	5	91	
	21		2	0	0	0		0		0	307	5	91	
0.0	+ 0	0.0	+ 0	6.76130+	5	6.29580-	8	1.35230+	6	8.56420-	8	307	5	91
2.02840+	6	1.00550-	7	2.70450+	6	1.10860-	7	3.38070+	6	1.17770-	7	307	5	91
4.05680+	6	1.21830-	7	4.73290+	6	1.23300-	7	5.40910+	6	1.22200-	7	307	5	91
6.08520+	6	1.18320-	7	6.76130+	6	1.10980-	7	7.43750+	6	9.74520-	8	307	5	91
8.11360+	6	8.17640-	8	8.78970+	6	6.76760-	8	9.46590+	6	5.39620-	8	307	5	91
1.01420+	7	4.07210-	8	1.08180+	7	2.90540-	8	1.14940+	7	1.93250-	8	307	5	91
1.21700+	7	1.07800-	8	1.28470+	7	3.84770-	9	1.35230+	7	0.0	+ 0	307	5	91
0.0	+ 0	1.70000+	7					1		21	307	5	91	
	21		2	0	0	0		0		0	307	5	91	
0.0	+ 0	0.0	+ 0	7.26200+	5	5.84410-	8	1.45240+	6	7.95060-	8	307	5	91
2.17860+	6	9.33600-	8	2.90480+	6	1.02950-	7	3.63100+	6	1.09380-	7	307	5	91
4.35720+	6	1.13180-	7	5.08340+	6	1.14570-	7	5.80960+	6	1.13590-	7	307	5	91
6.53580+	6	1.10060-	7	7.26200+	6	1.03360-	7	7.98820+	6	9.08770-	8	307	5	91
8.71440+	6	7.66770-	8	9.44060+	6	6.31310-	8	1.01670+	7	5.04220-	8	307	5	91
1.08930+	7	3.83600-	8	1.16190+	7	2.74530-	8	1.23450+	7	1.80930-	8	307	5	91
1.30720+	7	1.00590-	8	1.37980+	7	3.57940-	9	1.45240+	7	0.0	+ 0	307	5	91
0.0	+ 0	1.80000+	7					1		21	307	5	91	
	21		2	0	0	0		0		0	307	5	91	
0.0	+ 0	0.0	+ 0	7.76260+	5	5.45530-	8	1.55250+	6	7.42220-	8	307	5	91
2.32880+	6	8.71630-	8	3.10500+	6	9.61250-	8	3.88130+	6	1.02150-	7	307	5	91
4.65750+	6	1.05710-	7	5.43380+	6	1.07040-	7	6.21010+	6	1.06160-	7	307	5	91
6.98630+	6	1.02920-	7	7.76260+	6	9.67510-	8	8.53880+	6	8.51600-	8	307	5	91
9.31510+	6	7.20460-	8	1.00910+	7	5.91750-	8	1.08680+	7	4.73150-	8	307	5	91
1.16440+	7	3.60830-	8	1.24200+	7	2.58740-	8	1.31960+	7	1.70030-	8	307	5	91
1.39730+	7	9.43130-	9	1.47490+	7	3.34750-	9	1.55250+	7	0.0	+ 0	307	5	91
0.0	+ 0	1.90000+	7					1		21	307	5	91	
	21		2	0	0	0		0		0	307	5	91	
0.0	+ 0	0.0	+ 0	8.26310+	5	5.11470-	8	1.65260+	6	6.95940-	8	307	5	91
2.47890+	6	8.17350-	8	3.30520+	6	9.01480-	8	4.13160+	6	9.58070-	8	307	5	91
4.95790+	6	9.91690-	8	5.78420+	6	1.00440-	7	6.61050+	6	9.96450-	8	307	5	91
7.43680+	6	9.66420-	8	8.26310+	6	9.09340-	8	9.08940+	6	8.03170-	8	307	5	91
9.91570+	6	6.78860-	8	1.07420+	7	5.56780-	8	1.15680+	7	4.45560-	8	307	5	91
1.23950+	7	3.40270-	8	1.32210+	7	2.44260-	8	1.40470+	7	1.60310-	8	307	5	91
1.48740+	7	8.87640-	9	1.57000+	7	3.14370-	9	1.65260+	7	0.0	+ 0	307	5	91
0.0	+ 0	2.00000+	7					1		21	307	5	91	
	21		2	0	0	0		0		0	307	5	91	
0.0	+ 0	0.0	+ 0	8.76360+	5	4.81420-	8	1.75270+	6	6.55080-	8	307	5	91
2.62910+	6	7.69430-	8	3.50540+	6	8.48700-	8	4.38180+	6	9.02080-	8	307	5	91
5.25820+	6	9.33870-	8	6.13450+	6	9.46000-	8	7.01090+	6	9.38790-	8	307	5	91
7.88730+	6	9.10880-	8	8.76360+	6	8.57740-	8	9.64000+	6	7.60630-	8	307	5	91
1.05160+	7	6.41590-	8	1.13930+	7	5.25660-	8	1.22690+	7	4.20950-	8	307	5	91
1.31450+	7	3.21790-	8	1.40220+	7	2.31160-	8	1.48980+	7	1.51600-	8	307	5	91
1.57750+	7	9.38250-	9	1.66510+	7	2.96330-	9	1.75270+	7	0.0	+ 0	307	5	91

							MAT	MF	MT	SEQ
.....	10.....	20.....	30.....	40.....	50.....	60.....				
							307	5	0	1322
							307	0	0	1323
3.00700+	3	6.95573+ 0		1	0	1	0	30712	51	1324
4.77610+	5	4.77610+ 5		0	2	1	2	30712	51	1325
	2	2		0	0	0	0	30712	51	1326
5.46274+	5	1.00000+ 0	2.00000+ 7	1.00000+ 0			30712	51	1327	
							30712	0	1328	
3.00700+	3	6.95573+ 0		1	0	3	0	30712102	1329	
0.0	+ 0	0.0 + 0		0	0	1	2	30712102	1330	
	2	2		0	0	0	0	30712102	1331	
1.00000-	5	1.10600+ 0	2.00000+ 7	1.10600+ 0			30712102	1332		
2.03270+	6	0.0 + 0		2	2	1	2	30712102	1333	
	2	2		0	0	0	0	30712102	1334	
1.00000-	5	8.94000- 1	2.00000+ 7	8.94000- 1			30712102	1335		
1.05190+	6	0.0 + 0		2	2	1	2	30712102	1336	
	2	2		0	0	0	0	30712102	1337	
1.00000-	5	1.06000- 1	2.00000+ 7	1.06000- 1			30712102	1338		
9.80800+	5	9.80800+ 5		1	2	1	2	30712102	1339	
	2	2		0	0	0	0	30712102	1340	
1.00000-	5	1.06000- 1	2.00000+ 7	1.06000- 1			30712102	1341		
							30712	0	1342	
							307	0	0	1343
3.00700+	3	6.95573+ 0		1	0	1	0	30714	51	1344
3.00700+	3	6.95573+ 0		1	0	3	0	30714102	1346	
							30714	0	1347	
							307	0	0	1348
							0	0	0	1349
							-1	0	0	0