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PHOXE: A FORTRAN-IV Code to Check  
Format Syntax, Consistency, and  
Physical Realism of  
ENDF/B Photon Production Data

LOS ALAMOS NATIONAL LABORATORY



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PHOXE: A FORTRAN-IV CODE TO CHECK FORMAT SYNTAX,  
CONSISTENCY, AND PHYSICAL REALISM OF ENDF/B PHOTON PRODUCTION DATA

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ABSTRACT

The PHOXE code reads the photon production data files in ENDF/B format, checking them for format syntax, consistency, and "physics" errors. Suspected errors are flagged on an output listing immediately after the record in which they are detected. Some preprocessing of the data is performed, both for error checking and for listing convenient quantities (e.g., average photon energy of a continuum) useful to a reviewer. The intent of this code is to provide an aid to cross-section evaluators and reviewers in their attempts to produce an ENDF/B data set free of typographical, syntax, and simple "physics" errors. An attempt was made to include any reasonable check capable of being automated and which does not require an interactive capability with any system external to ENDF/B (e.g., a reviewer or data bank). The code is presently operational on CDC 6600 and IBM 360 computers and is available from the Radiation Shielding Information Center as PSR-21.

I. INTRODUCTION

This report describes the detailed checks performed on the photon production data in Files 14 and 15 of the ENDF/B Data File.<sup>1,2</sup> Also included are a few checks on the neutron interaction data (File 3), all of which are required for further checking in Files 14 and 15. Otherwise, so-called physics checks of neutron interaction, secondary angular distribution, and secondary energy distribution data are left to the code PSYCHE, which is scheduled to be written by another laboratory. PHOXE includes, in addition to checks of internal consistency and physical realism, some format checks not performed by the CHECKER code.<sup>3</sup>

The purpose of a code such as PHOXE (hereinafter referred to as a "physics" checking code) is to provide an aid to both the data evaluator and reviewer in their attempts to produce an ENDF/B data set free of syntax, typographical, and simple "physics" errors. An attempt has been made to include any check capable of being automated with reasonable effort and which detects an error that

might occur with a significant probability. Specifically excluded are any checks that would require an interactive capability with the reviewer or with data storage systems outside the ENDF/B system. In the context of the Cross Section Evaluation Working Group (CSEWG) Phase I data testing, codes such as PHOXE and PSYCHE should greatly simplify the routine review of data sets, leaving to the evaluator and reviewer those aspects of the data requiring professional knowledge and judgment. In this regard, PHOXE also performs some processing of the data to calculate quantities that may be more meaningful to a reviewer than the basic data. For example, total photon energy release is calculated and printed for some reactions.

An antecessor of PHOXE is the code PHOX written at the University of Virginia for the Burroughs B5500 computer;<sup>4</sup> the present code, PHOXE, revises, extends, and supersedes it. In this report, it is assumed that the user is familiar with the ENDF/B format presented in Refs. 1 and 2. A users' guide to PHOXE is presented in Sec. IV. A complete code

package for PHOXE is available from the Radiation Shielding Information Center (RSIC) code collection at the Oak Ridge National Laboratory.

## II. CHECKS PERFORMED BY PHOXE

Simple format syntax checks are the first type performed by the code, excluding those performed by CHECKER. Therefore, the ENDF/B data file should always be preprocessed by CHECKER. The principal kinds of format syntax checks performed by PHOXE determine if control parameters lie within allowable ranges and if energies are entered in the proper monotonic order. A significant difference from CHECKER occurs upon detecting a format syntax error, however. Rather than abort the processing of the data file, PHOXE will assume a likely value for a parameter. The assumed value is predetermined in the code or calculated by the code from other pertinent intelligence. This procedure, while flagging an error on the output listing, will often prevent reprocessing a complete data file because of a trivial syntax error.

A second check performed by PHOXE is for physical realism. These are the types of checks that might be performed by a reviewer during CSEWG Phase I data testing: (1) errors or suspected errors, and (2) processed data that the reviewer may find valuable for further data review that has not been (or cannot be) automated. Comments concerning checks in Category (1) above are set off by asterisks (\*) on the PHOXE output listing, and comments from Category (2) are set off by dollar signs (\$). See the appendix for a sample problem output for magnesium.

A schematic of the overall logical structure of the code is shown in Fig. 1. The input-output makes extensive use of standard ENDF/B retrieval

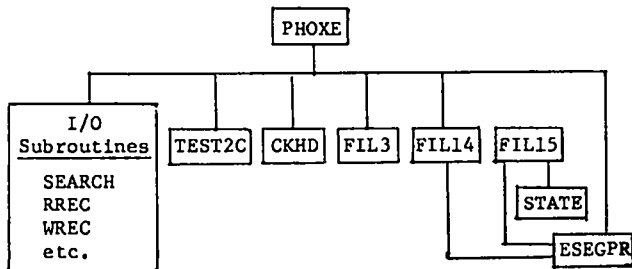


Fig. 1. Schematic structure of PHOXE.

subroutines,<sup>3</sup> not all of which are shown in Fig. 1. As can be seen from the figure, the calling program (PHOXE) has subroutines that are either for a specific ENDF/B file or perform functional tasks (CKHD, ESEGPR, STATE, and TEST2C). These calling program subroutines are described in Sec. III.

### A. File 3 Checks and Processing

Checks and calculations performed on File 3 data are as follows.

1. Q values are reasonable.

$$\text{For } \{5 \leq MT \leq 14 \text{ and } 51 \leq MT \leq 80\}, \\ -2 \times 10^7 < Q < -10^4 \text{ eV.}$$

$$\text{For } \{MT = 15, 110\}, Q = 0.0 \text{ eV.}$$

$$\text{For } MT = 102,$$

$$Q = 0.0 \text{ or } 1.7 \times 10^6 < Q < 1.2 \times 10^7 \text{ eV.}$$

Note: If  $Q = 0.0$  is given for  $MT = 102$ , it is assumed later for energetics that  $Q = 8 \times 10^6$  eV.

Normally,  $Q = 0.0$  is given for polyisotopic materials.

2. For  $Q < 0$ ,  $E_t \geq (0.9999) \frac{A+1}{A} |Q|$ , where

$E_t \equiv$  the first (threshold) neutron energy in the cross-section table, and

$$A \equiv \text{AWR.}$$

3. Calculate and print  $\sigma(2200 \text{ m/sec}) \equiv \sigma(0.0253 \text{ eV})$  for  $MT = 102$  (radiative capture).

If  $E_t > 0.0253$  eV, a comment to this effect is printed.

### B. File 14 Checks and Processing

Checks and calculations performed on File 14 data are as follows (the first four checks are for the HEAD card).

1. LTT should be either 1 or 2. If not,  $LTT = 2$  is assumed, and an attempt to continue processing is made under the assumption that angular distributions are given as tabulations vice Legendre coefficients.
2. LI should be either 0 or 1. If not,  $LI = 0$  is assumed (that is, a nonisotropic distribution) and an attempt to continue processing is made.
3. NC should be either 0 or 1. If not,  $NC = 0$  is assumed (that is, no continuous photon energy spectra are given) and an attempt to continue processing is made.
4. If  $MT < 14$  and  $ND > (MT - 4)$  or if  $MT \geq 51$  and  $ND > (MT - 40)$ , a comment is written to question the necessity of so many discrete photons (especially for inelastic scattering to discrete levels).
5. MT should be in the range 3-29, 51-80, 101-108, 110, or 301-450.

6. {MT} in File 14 must be a subset of {MT} in File 3.
  7. For each MT value, keep track of the number of ES-EG pairs and the values of ES and EG (store dummy values for isotropic photon option, LI = 1).
  8. If LI = 1, test that the next card is a SEND card. If not, assume LI = 0, and attempt to continue processing on the assumption that the angular distribution is given explicitly.
  9. For  $\{5 < MT < 14 \text{ and } 51 < MT < 80\}$ , that is, inelastic scattering to discrete levels, check that  $0.0 < EGI < ES = |Q|$ . Also, a comment is written if  $EGI < 10^5$  eV, if  $ES < 10^4$  eV, or if  $ES > 2 \times 10^7$  eV. Here ES is the level energy, and EGI is the energy of any discrete photon given for that level.
  10. For MT values not included in Item 9, that is, other than inelastic scattering to discrete levels,  $EGI \geq 0.0$  is checked. If  $EGI \neq 0.0$ , then a comment is written if  $EGI < 10^5$  eV. (This helps detect erroneous entry of energies in MeV units.) Also, it is checked that  $0.0 < ES < 2 \times 10^7$  eV; if  $ES \neq 0.0$ , then  $EGI < ES$ . Recall<sup>2</sup> that  $ES \equiv 0.0$  is used if the level energy is unknown or inapplicable, and  $EG \equiv 0.0$  is used for continuous photon energy spectra.
  11. For a continuous spectrum ( $ES = EGI = 0.0$ ), it is checked that NC = 1 was given and that no more than one continuous spectrum is given.
  12. For inelastic scattering to discrete levels  $\{5 < MT < 14 \text{ and } 51 < MT < 80\}$ , all subsections within a section must have the same value of ES.
  13. Subsections for any MT must be given in descending order of EGI.
  14. For the interpolation scheme in a TAB2 record,  $NE > NR > 0$ ; the number of neutron energy points must be greater than the number of interpolates, and there must be at least one region. If not, an error comment is written, and NR is set equal to unity. Also,  $NR = 1$  and  $INT(1) = 2$  or  $3$  are expected, that is, only one interpolation region, and that region should have linear interpolation in the dependent variable (the angular distribution). If  $NE < NR$ , then NR is set equal to 1, and if  $NE < 1$ , then NE is set equal to 2.
  15. For the interpolation scheme in a TAB1 record (tabulated angular distribution),  $NP > NR > 0$  is required as for a TAB2 record. Also,  $NR = 1$  and  $INT(1) = 2$  or  $3$  are expected, that is, only one interpolation region, and that region should have linear interpolation in the dependent variable (probability density).
  16. For a tabulated distribution, the first neutron energy,  $E_1$ , should not be less than the first energy,  $E_t$ , in the File 3 cross-section table, that is,  $E_1 \geq E_t$ . Also, the incident neutron energies,  $E_i$ , must be in ascending order, that is,  $E_i < E_{i+1}$ .
  17. A tabulated distribution is checked to see if all  $p(\mu, E_i)$  values are such that  $0.499 \leq p(\mu, E_i) \leq 0.501$ . If so, a comment is written suggesting the use of the isotropic option, LI = 1.
  18. The LIST record for a Legendre representation of the angular distribution must have  $E_1 \geq E_t$  and  $E_i < E_{i+1}$ , the same as for a tabulated distribution.
  19. For all TAB1 and TAB2 records,  $INT(m) \neq INT(m + 1)$ , that is, no two consecutive regions should have the same interpolation scheme. If they do, a comment is printed, but processing continues with the given values.
- C. File 15 Checks and Processing
- Checks and calculations performed on the File 15 data are as follows (the first eight checks are for the HEAD card):
1. LO should be either 1 or 2. If not, an error comment is written and processing is continued, assuming LO = 1 (that is, multiplicities).
  2. The fourth (L2) position on the HEAD card is checked to be blank or 0, if LO = 1.
  3. Under Option 1 (LO = 1, multiplicities), if  $MT < 14$  and  $ND > (MT - 4)$  or if  $MT \geq 51$  and  $ND > (MT - 40)$ , a comment is written to question the necessity of so many discrete photons (especially for inelastic scattering to discrete levels).
  4. Under Option 1, if  $NK > ND + 1$ , an error comment is written and  $NK = ND + 1$  is assumed for further processing (that is, no more than one continuous photon spectrum can be given in a section).
  5. Under Option 2, LG should be either 1 or 2. If not, an error comment is written, and processing is continued, assuming LG is the integer 1 or 2 nearest to the ratio of the fifth to sixth fields on the first card of the LIST record.
  6. Under Option 2, if the MT number is not in  $\{5 < MT < 14 \text{ and } 51 < MT < 80\}$ , a comment is written and processing continues.
  7. The sixth (N2) position on the HEAD card is checked to be blank or 0, if LO = 2.
  8. Under Option 2, it is required that for  $MT < 14$ ,  $NS = MT - 4$ , and for  $MT \geq 51$ ,  $NS = MT - 40$ . If not, a comment is written and  $NS = MT - 4$  or  $NS = MT - 40$ , whichever is appropriate, is assumed for further processing.
  9. Under Option 1, in the TAB1 record for a subsection, LF should be either 1 or 2. If not, an error comment is written and processing is continued, assuming LF = 1 (that is, a continuous photon spectrum).
  10. If a continuous photon spectrum is present, it must appear last in the section.

11. Under Option 1, the interpolation scheme for the total and partial yields (TAB1 records) is checked for  $NP > NR > 0$  and for  $NR = 1$  and  $INT(1) = 2$  or  $3$ , that is, linear interpolation of the total yields. Also,  $INT(m) \neq INT(m + 1)$ .

12. Under Option 1, the first energy in the total yield table,  $ET_1$ , must have  $ET_1 \geq E_t$ . It is previously determined in File 14 that  $E_1 \geq E_t$ . The same applies for the first energy in each partial yield table,  $E_1^k$ , namely,  $E_1^k \geq E_t$ .

13. The first energy in every partial yield table,  $E_1^k$ , must have  $E_1^k \geq ET_1$ , and the last energy,  $E_{NP}^k$ , must have  $E_{NP}^k \leq ET_{NP}$ .

14. At each energy mesh point in the total yield table, the sum of the partial yields must equal the total yield, within a  $10^{-4}$  fractional error criterion, that is,

$$\left| \frac{Y(E_1) - \sum_k y_k(E_1)}{\sum_k y_k(E_1)} \right| \leq 10^{-4}$$

If not, the three values  $E_1$ ,  $Y(E_1)$ , and  $\sum_k y_k(E_1)$  are listed.

15. For  $LF = 1$ , a continuous photon energy distribution, the interpolation scheme for the  $g(E_\gamma + E_1)$  TAB2 records is checked for  $NE = NP$ , that is, one and only one distribution is given for each yield value. If not,  $NP$  is set equal to  $NE$ , and processing continues. Also, the TAB2 record is checked for  $NE > NR > 0$ , for  $NR = 1$ , and for  $INT(1) = 2$  or  $3$ . Also,  $INT(m) \neq INT(m + 1)$ . If  $NE \leq NR$ , then  $NR$  is set equal to  $1$ ; if  $NE \leq 1$ , then  $NE$  is set equal to  $2$ .

16. The same interpolation scheme checks as are made on the yield tables are made on the TAB1 records for the  $g(E_\gamma + E_1)$ .

17. In the TAB1 records for  $g(E_\gamma + E_1)$ , the first incident neutron energy,  $EN_1$ , must have  $EN_1 \geq E_t$ . (This is a redundant check.) Also, each such incident neutron energy must equal its corresponding energy in the partial yield table, that is,  $EN_1 = E_1^k$ .

18. The tabulated continuous photon energy distribution,  $g(E_\gamma + E_1)$ , must be such that

$$\left| \int dE_\gamma g(E_\gamma + E_1) - 1.0 \right| \leq 10^{-4}$$

where the integral is taken by the trapezoidal method.

19. The average photon energy,

$$\bar{E}_\gamma(E_1) = \int dE_\gamma E_\gamma g(E_\gamma + E_1)$$

is listed for each incident neutron energy, where the integration is again by the trapezoidal method.

20. For inelastic scattering to discrete levels,  $\{5 \leq MT \leq 14$  and  $51 \leq MT \leq 80\}$ , all subsections within a section ( $MT$ ) must have the same value of  $ES$ .

21. Subsections for any  $MT$  must be given in descending order of  $EGI$ .

22. For  $\{5 \leq MT \leq 14$  and  $51 \leq MT \leq 80\}$ , the code determines that  $0.0 \leq EGI \leq ES = |Q|$ . Also, a comment is written if  $EGI < 10^5$  eV, if  $ES < 10^4$  eV, or if  $ES > 2 \times 10^7$  eV.

23. For  $MT$  values not included in Item 22,  $EGI \geq 0.0$  is checked. If  $EGI \neq 0.0$ , then a comment is written if  $EGI < 10^5$  eV. Also checked is that  $0 < ES \leq 2 \times 10^7$  eV, and if  $ES \neq 0.0$ , then  $EGI \leq ES$ .

24. For  $\{5 \leq MT \leq 14$  and  $51 \leq MT \leq 80\}$ , a comment is written if the total photon energy released at any incident neutron energy exceeds  $|Q|$  for that level. The total photon energy, the  $Q$  value, and the incident neutron energy are all listed.

25. For all  $MT$  numbers not included in Item 24 (that is, for all reactions except inelastic scattering to discrete levels), a similar comment is written if the total photon energy exceeds  $Q + ECM$ , where  $ECM$  is the incident neutron energy in the center-of-the-mass system.

$$ECM = \left( \frac{A + 1}{A} \right) E.$$

The total photon energy released at incident neutron energy  $E_1$  is given by

$$E_\gamma^T(E_1) = \sum_k \bar{E}_\gamma^k(E_1) y_k(E_1),$$

where  $\bar{E}_\gamma^k$  is computed for a continuous photon spectrum or is given directly for discrete photons by  $EGI$  under Option 1. Conservation of energy is implicit in the transition probability arrays. For radiative capture,  $Q = 8 \times 10^6$  eV is assumed if  $Q = 0.0$  is given.

26. In the  $LG = 1$  case of Option 2 (that is, doublet TP arrays), the last two fields of the first card in the LIST record are checked to assure that the  $N1$  parameter is twice the  $N2$  parameter. If not, a comment is written and  $N1$  is set equal to  $2*N2$ . Similarly, for the  $LG = 2$  option,  $N1 = 3*N2$ .

27. In Option 2, the energies of the lower levels,  $ES_i$ , must be such that  $ES_i < ES_{NS}$  and  $ES_{i+1} < ES_i$ . Also,  $ES_{NS} = |Q|$ . Each  $ES_i$  is, in addition, checked against the list of lower-level energies to assure that it is a valid transition (in the sense of allowing reconstruction of the cascade).

28. In Option 2, the number of transitions must be less than or equal to the level number, that is  $NT \leq NS$ . If not, set  $NT = NS$ .

29. The transition probability arrays must have  $0.0 < TP_1 \leq 1.0$  and

$$0.9999 < \sum_{i=0}^{NS-1} TP_i < 1.0001.$$

30. MT should be in the range 3-29, 51-80, 101-108, 110, or 301-450.
31. {MT} in File 15 must be a subset of {MT} in File 3.
32. A final set of checks are made on ES-EG pairs in Files 14 and 15 to ascertain that:
- Any ES-EG pair for which an angular distribution appears in File 14 appears in File 15.
  - An ES-EG pair that appears in both Files 14 and 15 is in the same section (MT) number in both files.
  - Any ES-EG pair that is given under different section (MT) numbers in Files 14 and 15 is flagged.
  - Any ES-EG pair in File 15 that does not have an angular distribution given in File 14 is flagged.

Comments relative to condition (a) appear at the end of File 15; all other comments are printed at the end of the appropriate subsections in File 15.

### III. FUNCTIONAL DESCRIPTION OF PHOXE AND ITS SUBROUTINES

PHOXE: The main calling program, PHOXE, provides the usual initializing and executive functions. It reads the input control cards from the input stream and then calls the standard ENDF/B input-output routines to search and read appropriate files. Processing starts with File 3 and proceeds through Files 14 and 15, calling appropriate subroutines to check HEAD cards, the range of MT numbers, etc. Various options (for example, tabulated angular distributions or Legendre coefficients) are sensed and appropriate loops are set up for reading subsections. Checks made explicitly by the calling program include:

- Verifying the presence of a file on the tape, using the SEARCH subroutine.
- Determining that no angular distribution is given explicitly when LI = 1 (isotropic flag), and if so, changing the flag to LI = 0 and proceeding on this assumption.
- Verifying that the continuum photon energy distribution, if present, appears in the last subsection.

Input-Output Subroutines (SEARCH, RREC, WREC, etc.). The input-output subroutines are standard ENDF/B retrieval subroutines<sup>3</sup> that have very minor alterations.

TEST2C: Minor modifications were made to the CHECKER code<sup>3</sup> subroutine TEST2 in order to devise a subroutine to check that a reaction type (MT) number is in a defined set.

CKHD: The HEAD cards for Files 14 and 15 are checked by this subroutine to determine if all parameters are consistent and in an allowable range. If not, appropriate comments are printed and reasonable values are assumed to attempt continued processing.

FIL3: Only checks of the reasonableness and possibility of Q values and threshold energies are made for File 3. These values are also stored for later consistency checking of incident neutron energies in Files 14 and 15.

FIL14: This subroutine is called by PHOXE for all checks noted in Sec. II for File 14. Every ES-EG pair for which an angular distribution is given results in a call to ESEGPR to store ES and EG. Dummy values are stored for isotropic distributions (LI = 1).

FIL15: All checks listed in Sec. II for File 15 are performed by this subroutine. As each ES-EG pair is encountered, it is referred to ESEGPR for matching with an identical pair in File 14, if possible. Under Option 2 (LO = 2), the level energies in a cascade are checked against previous level energy data in a call to the subroutine STATE(LG).

ESEGPR: In addition to the functions described under FIL14 and FIL15, the subroutine ESEGPR does an accounting check to verify that every ES-EG pair in File 14 also appears somewhere in File 15. Comments are printed if the pair appears under different MT numbers in the two files. The ES-EG pair in File 15, which is matched to an isotropic distribution (LI = 1) in File 14, is printed after the subsection record containing that pair in File 15.

STATE(LG): See FIL15 description.

### IV. USERS' GUIDE TO PHOXE

The input for PHOXE is exceedingly simple, consisting of two input data cards and an ENDF/B data tape. The term "tape" is used here as a general description for an input unit (for example, magnetic tape, disk, extended core storage, or photostore). Unit number 5 is assigned to the card reader, and unit number 6 is assigned to the line printer. The ENDF/B data tape is assigned unit number NT, an input parameter, and the tape can be in ENDF/B mode 1 or 3. The input data cards are as follows.



Card 1 (3I11):

- NT - the unit number of the ENDF/B input data tape,
- MODE - the mode of the ENDF/B input data tape (1 or 3),
- MATW - the material number of the material on the ENDF/B input data tape to be checked.

Card 2 (20A4):

Any Hollerith information to be used as a heading on the first page of the output listing.

The output of PHOXE consists of listings of Files 3, 14, and 15 with any error or information comments. Comments are written after the record to which they correspond.

Computer Requirements and Running Times

The PHOXE code is presently operational on a CDC 6600 with a small fast memory capacity (65k<sub>10</sub>), and uses the available core (=45k<sub>10</sub>). It requires no special hardware or software, but does use one magnetic tape or other I/O unit for the ENDF/B data file, namely, Tape NT. The code presently runs under the SCOPE 3.2 Operating System for the CDC 6600. A version of this code at the Radiation Shielding Information Center is operational on an IBM 360 computer (cf. RSIC Code Package PSR-21). It has not been tested on the Burroughs B5500 since the major revisions of the PHOX code were performed.

All coding is in FORTRAN-IV and, with the possible exception of end-of-file tests, should be reasonably compatible with FORTRAN compilers on other computers.

A typical problem, such as the processing of the magnesium data in the appendix, requires approximately 0.5 min of central processor time.

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APPENDIX

SAMPLE PROBLEM INPUT AND OUTPUT

Given here are the two cards required in the input stream for PHOXE, as well as an output listing, for a sample set of magnesium (MAT = 5002) data that appear on an input file called Tape 2. This sample problem was chosen to illustrate the application of the PHOXE code, and the data should

not be considered to be a working set of ENDF/B data for magnesium. They are, in fact, a preliminary ENDF/A version<sup>4</sup> presently undergoing further Phase I data testing.

SAMPLE PROBLEM INPUT

	1	2	3	3	7	7
COLUMN	1	5	0	3	0	2
	2	3	5002			

SAMPLE PROBLEM FOR PHOXE DOCUMENT. MG (MAT=5002). D.J. DUDZIAK 6-1-70

SAMPLE PROBLEM OUTPUT

SAMPLE PROBLEM FOR PHOXE DOCUMENT. MG (MAT=5002). D.J. DUDZIAK 6-1-70

1.20240*	4	2.41030*	1	0	0	99	0	0	0	0502 3	180		
0.00000*	0	0.00000*	0	0	0	0	0	0	0	6925002 3	181		
	692		5							5002 3	182		
1.00000*	2	3.40000*	0	2.53000*	2	3.40000*	0	1.00000*	0	3.40000*	0	0502 3	183
5.00000*	0	3.40000*	0	1.00000*	1	3.40000*	0	5.00000*	1	3.40000*	0	0502 3	184
1.00000*	2	3.40000*	0	2.00000*	2	3.40000*	0	4.00000*	2	3.40000*	0	0502 3	185
6.00000*	2	3.39500*	0	8.00000*	2	3.39500*	0	4.00000*	3	3.39000*	0	0502 3	186
2.00000*	3	3.38000*	0	3.00000*	3	3.37000*	0	4.00000*	3	3.36000*	0	0502 3	187
5.00000*	3	3.35000*	0	6.00000*	3	3.33000*	0	8.00000*	3	3.32000*	0	0502 3	188
1.00000*	4	3.35000*	0	1.20000*	4	3.38000*	0	1.30000*	4	3.40000*	0	0502 3	189
1.00000*	4	3.43000*	0	1.50000*	4	3.50000*	0	1.60000*	4	3.70000*	0	0502 3	190
1.65000*	4	3.80000*	0	1.70000*	4	3.95000*	0	1.75000*	4	4.12000*	0	0502 3	191
1.80000*	4	4.35000*	0	1.85000*	4	4.68000*	0	1.90000*	4	5.05000*	0	0502 3	192
1.95000*	4	5.60000*	0	2.00000*	4	6.20000*	0	2.02000*	4	6.45000*	0	0502 3	193
2.04000*	4	6.85000*	0	2.06000*	4	7.25000*	0	2.08000*	4	7.60000*	0	0502 3	194
2.10000*	4	7.65000*	0	2.12000*	4	7.40000*	0	2.14000*	4	7.05000*	0	0502 3	195
2.16000*	4	6.86000*	0	2.18000*	4	6.45000*	0	2.20000*	4	6.15000*	0	0502 3	196
2.25000*	4	5.50000*	0	2.30000*	4	4.95000*	0	2.35000*	4	4.50000*	0	0502 3	197
2.40000*	4	4.14000*	0	2.45000*	4	3.70000*	0	2.50000*	4	3.56000*	0	0502 3	198
2.55000*	4	3.35000*	0	2.60000*	4	3.18000*	0	2.65000*	4	3.08000*	0	0502 3	199
2.70000*	4	3.00000*	0	2.75000*	4	2.90000*	0	2.80000*	4	2.87000*	0	0502 3	200
2.85000*	4	2.83000*	0	2.90000*	4	2.80000*	0	2.95000*	4	2.80000*	0	0502 3	201
3.00000*	4	2.80000*	0	3.20000*	4	2.95000*	0	3.40000*	4	3.05000*	0	0502 3	202
3.60000*	4	3.20000*	0	3.80000*	4	3.40000*	0	4.00000*	4	3.55000*	0	0502 3	203
4.20000*	4	3.68000*	0	4.40000*	4	3.70000*	0	4.60000*	4	3.64000*	0	0502 3	204
4.80000*	4	3.50000*	0	5.00000*	4	3.37000*	0	5.20000*	4	3.22000*	0	0502 3	205
5.40000*	4	3.18000*	0	5.60000*	4	3.25000*	0	5.80000*	4	3.40000*	0	0502 3	206
6.00000*	4	3.60000*	0	6.20000*	4	3.85000*	0	6.40000*	4	4.15000*	0	0502 3	207
6.60000*	4	4.50000*	0	6.80000*	4	5.05000*	0	7.00000*	4	5.75000*	0	0502 3	208
7.20000*	4	6.80000*	0	7.40000*	4	8.40000*	0	7.60000*	4	1.08000*	0	0502 3	209
7.80000*	4	1.50000*	1	8.00000*	4	2.25000*	1	8.10000*	4	2.85000*	0	0502 3	210
8.20000*	4	3.50000*	1	8.30000*	4	4.60000*	1	8.40000*	4	4.15000*	0	0502 3	211
8.50000*	4	4.00000*	1	8.60000*	4	4.15000*	1	8.70000*	4	4.05000*	0	0502 3	212
8.80000*	4	3.70000*	1	8.90000*	4	2.90000*	1	9.00000*	4	2.40000*	0	0502 3	213
9.20000*	4	1.75000*	1	9.40000*	4	1.35000*	1	9.60000*	4	1.12000*	0	0502 3	214
9.80000*	4	9.70000*	0	1.90000*	5	8.55000*	0	1.05000*	5	6.70000*	0	0502 3	215
1.10000*	5	5.78000*	0	1.15000*	5	5.10000*	0	1.30000*	5	4.58000*	0	0502 3	216
1.25000*	5	4.20000*	0	1.30000*	5	3.90000*	0	1.35000*	5	3.78000*	0	0502 3	217
1.40000*	5	3.80000*	0	1.45000*	5	3.95000*	0	1.50000*	5	4.22000*	0	0502 3	218
1.55000*	5	4.50000*	0	1.60000*	5	4.30000*	0	1.65000*	5	4.10000*	0	0502 3	219
1.70000*	5	3.98000*	0	1.75000*	5	3.90000*	0	1.80000*	5	3.95000*	0	0502 3	220
1.85000*	5	4.05000*	0	1.90000*	5	4.18000*	0	1.95000*	5	4.35000*	0	0502 3	221
2.00000*	5	4.55000*	0	2.05000*	5	4.78000*	0	2.10000*	5	5.05000*	0	0502 3	222
2.15000*	5	5.40000*	0	2.20000*	5	5.78000*	0	2.25000*	5	6.25000*	0	0502 3	223
2.30000*	5	6.75000*	0	2.35000*	5	7.40000*	0	2.40000*	5	8.15000*	0	0502 3	224
2.45000*	5	8.80000*	0	2.50000*	5	9.50000*	0	2.55000*	5	1.00000*	0	0502 3	225
2.60000*	5	1.04000*	1	2.65000*	5	1.05000*	1	2.70000*	5	1.04000*	0	0502 3	226
2.75000*	5	9.90000*	0	2.80000*	5	9.10000*	0	2.85000*	5	8.50000*	0	0502 3	227
2.90000*	5	8.50000*	0	2.95000*	5	8.45000*	0	3.00000*	5	8.25000*	0	0502 3	228

3.45000+	5	8.00000+	0	3.10000+	5	7.70000+	0	3.15000+	5	7.30000+	05002	3	1	229
3.20000+	5	6.85000+	0	3.25000+	5	6.45000+	0	3.30000+	5	6.10000+	05002	3	1	230
3.35000+	5	5.75000+	0	3.40000+	5	5.47000+	0	3.45000+	5	5.25000+	05002	3	1	231
3.50000+	5	5.05000+	0	3.55000+	5	4.87000+	0	3.60000+	5	4.75000+	05002	3	1	232
3.65000+	5	4.65000+	0	3.70000+	5	4.55000+	0	3.75000+	5	4.50000+	05002	3	1	233
3.80000+	5	4.48000+	0	3.85000+	5	4.50000+	0	3.90000+	5	4.60000+	05002	3	1	234
3.95000+	5	4.75000+	0	4.00000+	5	4.95000+	0	4.02000+	5	5.10000+	05002	3	1	235
4.04000+	5	5.20000+	0	4.06000+	5	5.50000+	0	4.08000+	5	5.90000+	05002	3	1	236
4.10000+	5	6.30000+	0	4.12000+	5	6.80000+	0	4.14000+	5	7.50000+	05002	3	1	237
4.16000+	5	8.00000+	0	4.18000+	5	8.80000+	0	4.20000+	5	9.80000+	05002	3	1	238
4.22000+	5	1.08000+	1	4.24000+	5	1.20000+	1	4.26000+	5	1.35000+	15002	3	1	239
4.28000+	5	1.47000+	1	4.30000+	5	1.52000+	1	4.32000+	5	1.45000+	15002	3	1	240
4.34000+	5	1.34000+	1	4.36000+	5	1.25000+	1	4.38000+	5	1.30000+	15002	3	1	241
4.40000+	5	1.15000+	1	4.42000+	5	1.05000+	1	4.44000+	5	9.90000+	05002	3	1	242
4.46000+	5	9.85000+	0	4.48000+	5	9.90000+	0	4.50000+	5	9.75000+	05002	3	1	243
4.52000+	5	9.10000+	0	4.54000+	5	8.50000+	0	4.56000+	5	7.90000+	05002	3	1	244
4.58000+	5	7.50000+	0	4.60000+	5	7.20000+	0	4.62000+	5	6.90000+	05002	3	1	245
4.64000+	5	6.65000+	0	4.66000+	5	6.45000+	0	4.68000+	5	6.25000+	05002	3	1	246
4.70000+	5	6.05000+	0	4.72000+	5	5.90000+	0	4.74000+	5	5.80000+	05002	3	1	247
4.76000+	5	5.65000+	0	4.78000+	5	5.59000+	0	4.80000+	5	5.50000+	05002	3	1	248
4.82000+	5	5.40000+	0	4.84000+	5	5.25000+	0	4.86000+	5	5.15000+	05002	3	1	249
4.88000+	5	5.00000+	0	4.90000+	5	4.85000+	0	4.92000+	5	4.78000+	05002	3	1	250
4.94000+	5	4.70000+	0	4.96000+	5	4.58000+	0	4.98000+	5	4.50000+	05002	3	1	251
5.00000+	5	4.60000+	0	5.02000+	5	5.40000+	0	5.04000+	5	5.70000+	05002	3	1	252
5.06000+	5	5.40000+	0	5.08000+	5	5.10000+	0	5.10000+	5	4.96000+	05002	3	1	253
5.15000+	5	4.62000+	0	5.20000+	5	4.50000+	0	5.25000+	5	4.58000+	05002	3	1	254
5.30000+	5	4.60000+	0	5.35000+	5	4.68000+	0	5.40000+	5	4.70000+	05002	3	1	255
5.45000+	5	4.75000+	0	5.50000+	5	4.80000+	0	5.55000+	5	4.80000+	05002	3	1	256
5.60000+	5	4.80000+	0	5.65000+	5	4.78000+	0	5.70000+	5	4.74000+	05002	3	1	257
5.75000+	5	4.70000+	0	5.80000+	5	4.60000+	0	5.85000+	5	4.55000+	05002	3	1	258
5.90000+	5	4.45000+	0	5.95000+	5	4.35000+	0	6.00000+	5	4.22000+	05002	3	1	259
6.05000+	5	4.10000+	0	6.10000+	5	4.00000+	0	6.15000+	5	3.85000+	05002	3	1	260
6.20000+	5	3.75000+	0	6.25000+	5	3.60000+	0	6.30000+	5	3.50000+	05002	3	1	261
6.32000+	5	3.35000+	0	6.34000+	5	3.10000+	0	6.36000+	5	2.80000+	05002	3	1	262
6.38000+	5	2.44000+	0	6.40000+	5	2.80000+	0	6.42000+	5	3.60000+	05002	3	1	263
6.44000+	5	3.55000+	0	6.46000+	5	3.05000+	0	6.48000+	5	2.72000+	05002	3	1	264
6.50000+	5	2.53000+	0	6.52000+	5	2.42000+	0	6.54000+	5	2.45000+	05002	3	1	265
6.56000+	5	2.65000+	0	6.58000+	5	3.00000+	0	6.60000+	5	3.65000+	05002	3	1	266
6.62000+	5	4.40000+	0	6.64000+	5	4.85000+	0	6.66000+	5	5.15000+	05002	3	1	267
6.68000+	5	5.30000+	0	6.70000+	5	5.35000+	0	6.75000+	5	5.30000+	05002	3	1	268
6.80000+	5	5.15000+	0	6.85000+	5	4.98000+	0	6.90000+	5	4.70000+	05002	3	1	269
6.95000+	5	4.50000+	0	7.00000+	5	4.35000+	0	7.05000+	5	4.24000+	05002	3	1	270
7.10000+	5	4.18000+	0	7.15000+	5	4.12000+	0	7.20000+	5	4.10000+	05002	3	1	271
7.25000+	5	4.10000+	0	7.30000+	5	4.05000+	0	7.35000+	5	4.00000+	05002	3	1	272
7.40000+	5	3.95000+	0	7.45000+	5	3.90000+	0	7.50000+	5	3.85000+	05002	3	1	273
7.55000+	5	3.80000+	0	7.60000+	5	3.74000+	0	7.65000+	5	3.68000+	05002	3	1	274
7.70000+	5	3.60000+	0	7.75000+	5	3.55000+	0	7.80000+	5	3.50000+	05002	3	1	275
7.85000+	5	3.51000+	0	7.90000+	5	3.52000+	0	7.95000+	5	3.53000+	05002	3	1	276
8.00000+	5	3.54000+	0	8.05000+	5	3.55000+	0	8.10000+	5	3.58000+	05002	3	1	277
8.15000+	5	3.60000+	0	8.20000+	5	3.68000+	0	8.25000+	5	3.80000+	05002	3	1	278
8.30000+	5	3.96000+	0	8.32000+	5	4.05000+	0	8.34000+	5	4.16000+	05002	3	1	279
8.36000+	5	4.32000+	0	8.38000+	5	4.54000+	0	8.40000+	5	4.98000+	05002	3	1	280
8.42000+	5	5.55000+	0	8.44000+	5	6.20000+	0	8.46000+	5	6.90000+	05002	3	1	281

8.48000+	5	7.58000+	0	8.50000+	5	7.85000+	0	8.52000+	5	7.06000+	05002	3	1	282
8.54000+	5	6.30000+	0	8.56000+	5	5.68000+	0	8.58000+	5	5.18000+	05002	3	1	283
8.60000+	5	4.78000+	0	8.62000+	5	4.46000+	0	8.64000+	5	4.20000+	05002	3	1	284
8.66000+	5	3.98000+	0	8.68000+	5	3.85000+	0	8.70000+	5	3.74000+	05002	3	1	285
8.75000+	5	3.57000+	0	8.80000+	5	3.48000+	0	8.85000+	5	3.40000+	05002	3	1	286
8.90000+	5	3.34000+	0	8.95000+	5	3.28000+	0	9.00000+	5	3.24000+	05002	3	1	287
9.05000+	5	3.20000+	0	9.10000+	5	3.16000+	0	9.15000+	5	3.14000+	05002	3	1	288
9.20000+	5	3.12000+	0	9.25000+	5	3.10000+	0	9.30000+	5	3.08000+	05002	3	1	289
9.35000+	5	3.04000+	0	9.40000+	5	3.00000+	0	9.45000+	5	2.96000+	05002	3	1	290
9.50000+	5	2.94000+	0	9.55000+	5	2.92000+	0	9.60000+	5	2.89000+	05002	3	1	291
9.62000+	5	2.88000+	0	9.64000+	5	2.88000+	0	9.66000+	5	2.94000+	05002	3	1	292
9.68000+	5	3.12000+	0	9.70000+	5	3.35000+	0	9.72000+	5	3.40000+	05002	3	1	293
9.74000+	5	3.24000+	0	9.76000+	5	3.10000+	0	9.78000+	5	2.94000+	05002	3	1	294
9.80000+	5	2.86000+	0	9.82000+	5	2.84000+	0	9.84000+	5	2.81000+	05002	3	1	295
9.86000+	5	2.78000+	0	9.88000+	5	2.75000+	0	9.90000+	5	2.73000+	05002	3	1	296
9.92000+	5	2.70000+	0	9.94000+	5	2.67000+	0	9.96000+	5	2.65000+	05002	3	1	297
9.98000+	5	2.62000+	0	1.00000+	6	2.58000+	0	1.00200+	6	2.56000+	05002	3	1	298
1.00400+	6	2.54000+	0	1.00600+	6	2.52000+	0	1.00800+	6	2.49000+	05002	3	1	299
1.01000+	6	2.48000+	0	1.01200+	6	2.46000+	0	1.01400+	6	2.53000+	05002	3	1	300
1.01600+	6	2.64000+	0	1.01800+	6	2.96000+	0	1.02000+	6	3.45000+	05002	3	1	301
1.02200+	6	3.64000+	0	1.02400+	6	3.18000+	0	1.02600+	6	2.78000+	05002	3	1	302
1.02800+	6	2.36000+	0	1.03000+	6	2.00000+	0	1.03200+	6	1.75000+	05002	3	1	303
1.03400+	6	1.90000+	0	1.03600+	6	2.30000+	0	1.03800+	6	2.68000+	05002	3	1	304
1.04000+	6	3.05000+	0	1.04200+	6	3.28000+	0	1.04400+	6	3.42000+	05002	3	1	305
1.04600+	6	3.38000+	0	1.04800+	6	3.17000+	0	1.05000+	6	2.95000+	05002	3	1	306
1.05200+	6	2.74000+	0	1.05400+	6	2.57000+	0	1.05600+	6	2.42000+	05002	3	1	307
1.05800+	6	2.44000+	0	1.06000+	6	2.47000+	0	1.06200+	6	2.32000+	05002	3	1	308
1.06400+	6	2.07000+	0	1.06600+	6	1.82000+	0	1.06800+	6	1.58000+	05002	3	1	309
1.07000+	6	1.50000+	0	1.07200+	6	1.67000+	0	1.07400+	6	1.88000+	05002	3	1	310
1.07600+	6	2.14000+	0	1.07800+	6	2.44000+	0	1.08000+	6	2.77000+	05002	3	1	311
1.08500+	6	3.12000+	0	1.09000+	6	3.34000+	0	1.09500+	6	3.43000+	05002	3	1	312
1.10000+	6	3.40000+	0	1.11000+	6	3.32000+	0	1.12000+	6	3.23000+	05002	3	1	313
1.13000+	6	3.16000+	0	1.14000+	6	3.08000+	0	1.15000+	6	3.03000+	05002	3	1	314
1.16000+	6	2.97000+	0	1.17000+	6	2.90000+	0	1.18000+	6	2.86000+	05002	3	1	315
1.19000+	6	2.85000+	0	1.20000+	6	2.84000+	0	1.21000+	6	2.84000+	05002	3	1	316
1.22000+	6	2.81000+	0	1.23000+	6	2.77000+	0	1.24000+	6	2.73000+	05002	3	1	317
1.25000+	6	2.70000+	0	1.26000+	6	2.68000+	0	1.26200+	6	2.70000+	05002	3	1	318
1.26400+	6	2.73000+	0	1.26600+	6	2.76000+	0	1.26800+	6	2.87000+	05002	3	1	319
1.27000+	6	3.02000+	0	1.27200+	6	3.32000+	0	1.27400+	6	3.68000+	05002	3	1	320
1.27600+	6	4.04000+	0	1.27800+	6	4.38000+	0	1.28000+	6	3.84000+	05002	3	1	321
1.28200+	6	3.25000+	0	1.28400+	6	2.87000+	0	1.28600+	6	3.12000+	05002	3	1	322
1.28800+	6	3.62000+	0	1.29000+	6	4.10000+	0	1.29200+	6	4.61000+	05002	3	1	323
1.29400+	6	5.13000+	0	1.29600+	6	5.66000+	0	1.29800+	6	6.27000+	05002	3	1	324
1.30000+	6	5.96000+	0	1.30200+	6	5.36000+	0	1.30400+	6	4.92000+	05002	3	1	325
1.30600+	6	4.54000+	0	1.30800+	6	4.23000+	0	1.31000+	6	3.93000+	05002	3	1	326
1.31200+	6	3.76000+	0	1.31400+	6	3.63000+	0	1.31600+	6	3.51000+	05002	3	1	327
1.31800+	6	3.43000+	0	1.32000+	6	3.38000+	0	1.33000+	6	3.25000+	05002	3	1	328
1.34000+	6	3.13000+	0	1.35000+	6	3.02000+	0	1.36000+	6	2.92000+	05002	3	1	329
1.37000+	6	2.82000+	0	1.38000+	6	2.75000+	0	1.39000+	6	2.74000+	05002	3	1	330
1.40000+	6	2.73000+	0	1.42000+	6	2.73000+	0	1.44000+	6	2.71000+	05002	3	1	331
1.46000+	6	2.66000+	0	1.48000+	6	2.58000+	0	1.50000+	6	2.50000+	05002	3	1	332
1.52000+	6	2.37000+	0	1.54000+	6	2.19000+	0	1.56000+	6	2.00000+	05002	3	1	333

1.58000+	6	1.88000+	0	1.60000+	6	1.94000+	0	1.62000+	6	2.12000+	0	05002	3	1	334
1.64000+	6	2.43000+	0	1.66000+	6	2.82000+	0	1.68000+	6	3.33000+	0	05002	3	1	335
1.70000+	6	3.65000+	0	1.72000+	6	3.25000+	0	1.74000+	6	3.33000+	0	05002	3	1	336
1.76000+	6	3.78000+	0	1.78000+	6	3.34000+	0	1.80000+	6	2.82000+	0	05002	3	1	337
1.82000+	6	2.47000+	0	1.84000+	6	2.36000+	0	1.86000+	6	2.43000+	0	05002	3	1	338
1.88000+	6	2.59000+	0	1.90000+	6	2.81000+	0	1.92000+	6	2.97000+	0	05002	3	1	339
1.94000+	6	3.01000+	0	1.96000+	6	2.87000+	0	1.98000+	6	2.71000+	0	05002	3	1	340
2.00000+	6	2.62000+	0	2.02000+	6	2.53000+	0	2.04000+	6	2.45000+	0	05002	3	1	341
2.06000+	6	2.38000+	0	2.08000+	6	2.32000+	0	2.10000+	6	2.27500+	0	05002	3	1	342
2.12000+	6	2.24500+	0	2.14000+	6	2.23000+	0	2.16000+	6	2.24500+	0	05002	3	1	343
2.18000+	6	2.30500+	0	2.20000+	6	2.40500+	0	2.22000+	6	2.55000+	0	05002	3	1	344
2.24000+	6	2.73500+	0	2.26000+	6	2.96000+	0	2.28000+	6	3.20000+	0	05002	3	1	345
2.30000+	6	3.26000+	0	2.32000+	6	2.85000+	0	2.34000+	6	2.45500+	0	05002	3	1	346
2.36000+	6	2.17000+	0	2.38000+	6	1.95000+	0	2.40000+	6	1.80500+	0	05002	3	1	347
2.42000+	6	1.76500+	0	2.44000+	6	1.79500+	0	2.46000+	6	1.85500+	0	05002	3	1	348
2.48000+	6	1.96000+	0	2.50000+	6	2.10500+	0	2.52000+	6	2.28500+	0	05002	3	1	349
2.54000+	6	2.50500+	0	2.56000+	6	2.78000+	0	2.58000+	6	3.04000+	0	05002	3	1	350
2.60000+	6	2.94000+	0	2.62000+	6	3.14000+	0	2.64000+	6	3.42500+	0	05002	3	1	351
2.66000+	6	3.20500+	0	2.68000+	6	2.96000+	0	2.70000+	6	2.74000+	0	05002	3	1	352
2.72000+	6	2.55500+	0	2.74000+	6	2.41000+	0	2.76000+	6	2.30500+	0	05002	3	1	353
2.78000+	6	2.25000+	0	2.80000+	6	2.28000+	0	2.82000+	6	2.36000+	0	05002	3	1	354
2.84000+	6	2.48000+	0	2.86000+	6	2.43500+	0	2.88000+	6	2.27000+	0	05002	3	1	355
2.90000+	6	2.14500+	0	2.92000+	6	2.07500+	0	2.94000+	6	2.06000+	0	05002	3	1	356
2.96000+	6	2.06000+	0	2.98000+	6	2.08000+	0	3.00000+	6	2.17500+	0	05002	3	1	357
3.02000+	6	2.31000+	0	3.04000+	6	2.46500+	0	3.06000+	6	2.49000+	0	05002	3	1	358
3.08000+	6	2.39000+	0	3.10000+	6	2.25500+	0	3.12000+	6	2.10000+	0	05002	3	1	359
3.14000+	6	1.93500+	0	3.16000+	6	1.76500+	0	3.18000+	6	1.60000+	0	05002	3	1	360
3.20000+	6	1.44000+	0	3.25000+	6	1.40000+	0	3.30000+	6	1.75000+	0	05002	3	1	361
3.35000+	6	2.14000+	0	3.40000+	6	1.90000+	0	3.45000+	6	2.05000+	0	05002	3	1	362
3.50000+	6	2.38000+	0	3.55000+	6	2.25500+	0	3.60000+	6	2.06000+	0	05002	3	1	363
3.65000+	6	1.91000+	0	3.70000+	6	1.82000+	0	3.75000+	6	1.74000+	0	05002	3	1	364
3.80000+	6	1.64000+	0	3.85000+	6	1.52000+	0	3.90000+	6	1.35000+	0	05002	3	1	365
3.95000+	6	1.41000+	0	4.00000+	6	1.67000+	0	4.05000+	6	1.93000+	0	05002	3	1	366
4.10000+	6	1.88000+	0	4.15000+	6	2.05000+	0	4.20000+	6	2.22000+	0	05002	3	1	367
4.25000+	6	1.96000+	0	4.30000+	6	1.85000+	0	4.35000+	6	2.15000+	0	05002	3	1	368
4.40000+	6	2.56000+	0	4.45000+	6	2.22000+	0	4.50000+	6	1.94000+	0	05002	3	1	369
4.55000+	6	1.71000+	0	4.60000+	6	1.86000+	0	4.65000+	6	2.15000+	0	05002	3	1	370
4.70000+	6	2.02000+	0	4.75000+	6	1.86000+	0	4.80000+	6	1.94000+	0	05002	3	1	371
4.85000+	6	2.27000+	0	4.90000+	6	2.14000+	0	4.95000+	6	1.88000+	0	05002	3	1	372
5.00000+	6	2.10000+	0	5.05000+	6	1.96000+	0	5.10000+	6	2.16000+	0	05002	3	1	373
5.15000+	6	1.86000+	0	5.20000+	6	1.99000+	0	5.25000+	6	1.85000+	0	05002	3	1	374
5.30000+	6	1.72000+	0	5.35000+	6	1.76500+	0	5.40000+	6	1.87000+	0	05002	3	1	375
5.45000+	6	1.83500+	0	5.50000+	6	1.76000+	0	5.55000+	6	1.81500+	0	05002	3	1	376
5.60000+	6	1.90000+	0	5.65000+	6	1.91500+	0	5.70000+	6	1.88000+	0	05002	3	1	377
5.75000+	6	1.84000+	0	5.80000+	6	1.81500+	0	5.85000+	6	1.79000+	0	05002	3	1	378
5.90000+	6	1.75000+	0	5.95000+	6	1.69000+	0	6.00000+	6	1.61000+	0	05002	3	1	379
6.05000+	6	1.51000+	0	6.10000+	6	1.41000+	0	6.15000+	6	1.31000+	0	05002	3	1	380
6.20000+	6	1.32500+	0	6.25000+	6	1.37500+	0	6.30000+	6	1.42000+	0	05002	3	1	381
6.35000+	6	1.48000+	0	6.40000+	6	1.55000+	0	6.45000+	6	1.62000+	0	05002	3	1	382
6.50000+	6	1.69500+	0	6.55000+	6	1.78000+	0	6.60000+	6	1.82000+	0	05002	3	1	383
6.65000+	6	1.68000+	0	6.70000+	6	1.61000+	0	6.75000+	6	1.65000+	0	05002	3	1	384
6.80000+	6	1.76000+	0	6.85000+	6	1.88000+	0	6.90000+	6	1.97000+	0	05002	3	1	385
6.95000+	6	1.81000+	0	7.00000+	6	1.71000+	0	7.05000+	6	1.66500+	0	05002	3	1	386

7.10000+	6	1.63000+	0	7.15000+	6	1.61500+	0	7.20000+	6	1.63000+	05002	3	1	387
7.25000+	6	1.69500+	0	7.30000+	6	1.70500+	0	7.35000+	6	1.70500+	05002	3	1	388
7.40000+	6	1.73000+	0	7.45000+	6	1.74000+	0	7.50000+	6	1.67000+	05002	3	1	389
7.55000+	6	1.62500+	0	7.60000+	6	1.61500+	0	7.65000+	6	1.66000+	05002	3	1	390
7.70000+	6	1.72500+	0	7.75000+	6	1.78000+	0	7.80000+	6	1.74500+	05002	3	1	391
7.85000+	6	1.68000+	0	7.90000+	6	1.62500+	0	7.95000+	6	1.58000+	05002	3	1	392
8.00000+	6	1.57000+	0	8.05000+	6	1.60000+	0	8.10000+	6	1.67000+	05002	3	1	393
8.15000+	6	1.77000+	0	8.20000+	6	1.86000+	0	8.25000+	6	1.97000+	05002	3	1	394
8.30000+	6	1.94500+	0	8.35000+	6	1.84000+	0	8.40000+	6	1.75500+	05002	3	1	395
8.45000+	6	1.69500+	0	8.50000+	6	1.65000+	0	8.55000+	6	1.66500+	05002	3	1	396
8.60000+	6	1.71000+	0	8.65000+	6	1.77000+	0	8.70000+	6	1.80500+	05002	3	1	397
8.75000+	6	1.71000+	0	8.80000+	6	1.66500+	0	8.85000+	6	1.62500+	05002	3	1	398
8.90000+	6	1.60500+	0	8.95000+	6	1.59000+	0	9.00000+	6	1.57000+	05002	3	1	399
9.10000+	6	1.56500+	0	9.20000+	6	1.59000+	0	9.30000+	6	1.63500+	05002	3	1	400
9.40000+	6	1.66000+	0	9.50000+	6	1.64500+	0	9.60000+	6	1.60500+	05002	3	1	401
9.70000+	6	1.60000+	0	9.80000+	6	1.60500+	0	9.90000+	6	1.61500+	05002	3	1	402
1.00000+	7	1.62800+	0	1.01000+	7	1.62900+	0	1.02000+	7	1.63000+	05002	3	1	403
1.03000+	7	1.63100+	0	1.04000+	7	1.63200+	0	1.05000+	7	1.63300+	05002	3	1	404
1.06000+	7	1.63500+	0	1.07000+	7	1.63700+	0	1.08000+	7	1.63800+	05002	3	1	405
1.09000+	7	1.63900+	0	1.10000+	7	1.64100+	0	1.12000+	7	1.64600+	05002	3	1	406
1.14000+	7	1.64900+	0	1.16000+	7	1.65300+	0	1.18000+	7	1.66100+	05002	3	1	407
1.20000+	7	1.66700+	0	1.25000+	7	1.68300+	0	1.30000+	7	1.70800+	05002	3	1	408
1.35000+	7	1.73600+	0	1.40000+	7	1.77300+	0	1.45000+	7	1.79700+	05002	3	1	409
1.50000+	7	1.80700+	0	1.55000+	7	1.80700+	0	1.60000+	7	1.80400+	05002	3	1	410
1.65000+	7	1.80000+	0	1.70000+	7	1.79400+	0	1.75000+	7	1.78900+	05002	3	1	411
1.80000+	7	1.78200+	0	1.85000+	7	1.77300+	0	1.90000+	7	1.76300+	05002	3	1	412
1.95000+	7	1.75300+	0	2.00000+	7	1.74400+	0				5002	3	1	413

\*\*\*\*\* FIRST ENERGY IN CROSS SECTION TABLE SHOULD BE LESS THAN OR EQUAL TO 1.0E-5 EV. \*\*\*\*\*

1.20240+	4	2.41030+	1		0	99			0		5002	3	0	414
0.00000+	0	0.00000+	0		0	0			1		05002	3	2	415
	692		5								6925002	3	2	416
1.00000-	2	3.30000+	0	2.53000-	2	3.33700+	0	1.00000+	0	3.38990+	05002	3	2	417
5.00000+	0	3.39540+	0	1.00000+	1	3.39680+	0	5.00000+	1	3.39860+	05002	3	2	418
1.00000+	2	3.39900+	0	2.00000+	2	3.39930+	0	4.00000+	2	3.39950+	05002	3	2	419
6.00000+	2	3.39460+	0	8.00000+	2	3.38960+	0	1.00000+	3	3.38970+	05002	3	2	420
2.00000+	3	3.37980+	0	3.00000+	3	3.36980+	0	4.00000+	3	3.35980+	05002	3	2	421
5.00000+	3	3.34980+	0	6.00000+	3	3.32980+	0	8.00000+	3	3.31980+	05002	3	2	422
1.00000+	4	3.34980+	0	1.20000+	4	3.37980+	0	1.30000+	4	3.39980+	05002	3	2	423
1.40000+	4	3.42980+	0	1.50000+	4	3.49980+	0	1.60000+	4	3.69970+	05002	3	2	424
1.65000+	4	3.79970+	0	1.70000+	4	3.94960+	0	1.75000+	4	4.11950+	05002	3	2	425
1.80000+	4	4.34940+	0	1.85000+	4	4.67910+	0	1.90000+	4	5.04870+	05002	3	2	426
1.95000+	4	5.59800+	0	2.00000+	4	6.19700+	0	2.02000+	4	6.44600+	05002	3	2	427
2.04000+	4	6.84500+	0	2.06000+	4	7.24320+	0	2.08000+	4	7.54300+	05002	3	2	428
2.10000+	4	7.64300+	0	2.12000+	4	7.39320+	0	2.14000+	4	7.04400+	05002	3	2	429
2.16000+	4	6.79600+	0	2.18000+	4	6.44650+	0	2.20000+	4	6.14700+	05002	3	2	430
2.25000+	4	5.49850+	0	2.30000+	4	4.94900+	0	2.35000+	4	4.49930+	05002	3	2	431
2.40000+	4	4.13950+	0	2.45000+	4	3.69960+	0	2.50000+	4	3.55960+	05002	3	2	432
2.55000+	4	3.34970+	0	2.60000+	4	3.17970+	0	2.65000+	4	3.07980+	05002	3	2	433
2.70000+	4	2.99980+	0	2.75000+	4	2.89980+	0	2.80000+	4	2.86980+	05002	3	2	434
2.85000+	4	2.82980+	0	2.90000+	4	2.79980+	0	2.95000+	4	2.79980+	05002	3	2	435
3.00000+	4	2.79980+	0	3.20000+	4	2.94990+	0	3.40000+	4	3.04990+	05002	3	2	436
3.60000+	4	3.19490+	0	3.80000+	4	3.39990+	0	4.00000+	4	3.54990+	05002	3	2	437

4.20000+	4	3.67490+	0	4.40000+	4	3.69980+	0	4.60000+	4	3.63980+	05002	3	2	439
4.40000+	4	3.49980+	0	5.00000+	4	3.36980+	0	5.20000+	4	3.21980+	05002	3	2	440
5.40000+	4	3.17980+	0	5.60000+	4	3.24970+	0	5.80000+	4	3.39970+	05002	3	2	441
6.00000+	4	3.59970+	0	6.20000+	4	3.84960+	0	6.40000+	4	4.14960+	05002	3	2	442
6.60000+	4	4.49950+	0	6.80000+	4	5.04930+	0	7.00000+	4	5.74920+	05002	3	2	443
7.20000+	4	6.79900+	0	7.40000+	4	8.39850+	0	7.60000+	4	1.07980+	15002	3	2	444
7.80000+	4	1.49970+	1	8.00000+	4	2.24950+	1	8.10000+	4	2.84940+	15002	3	2	445
8.20000+	4	3.49920+	1	8.30000+	4	4.59910+	1	8.40000+	4	4.14980+	15002	3	2	446
8.50000+	4	3.99910+	1	8.60000+	4	4.14930+	1	8.70000+	4	4.04950+	15002	3	2	447
8.80000+	4	3.69960+	1	8.90000+	4	2.89960+	1	9.00000+	4	2.39970+	15002	3	2	448
9.20000+	4	1.74980+	1	9.40000+	4	1.34990+	1	9.60000+	4	1.11990+	15002	3	2	449
9.80000+	4	9.69930+	0	1.00000+	5	4.54940+	0	1.05000+	5	6.69960+	05002	3	2	450
1.10000+	5	5.77470+	0	1.15000+	5	5.09980+	0	1.20000+	5	4.57990+	05002	3	2	451
1.25000+	5	4.19990+	0	1.30000+	5	3.89990+	0	1.35000+	5	3.77990+	05002	3	2	452
1.40000+	5	3.79990+	0	1.45000+	5	3.94990+	0	1.50000+	5	4.21990+	05002	3	2	453
1.55000+	5	4.49990+	0	1.60000+	5	4.29990+	0	1.65000+	5	4.09990+	05002	3	2	454
1.70000+	5	3.97990+	0	1.75000+	5	3.90000+	0	1.80000+	5	3.94990+	05002	3	2	455
1.85000+	5	4.04990+	0	1.90000+	5	4.17990+	0	1.95000+	5	4.34990+	05002	3	2	456
2.00000+	5	4.54990+	0	2.05000+	5	4.77990+	0	2.10000+	5	5.04990+	05002	3	2	457
2.15000+	5	5.39990+	0	2.20000+	5	5.77990+	0	2.25000+	5	6.24990+	05002	3	2	458
2.30000+	5	6.74990+	0	2.35000+	5	7.39990+	0	2.40000+	5	8.14990+	05002	3	2	459
2.45000+	5	8.79980+	0	2.50000+	5	9.49980+	0	2.55000+	5	9.99980+	05002	3	2	460
2.60000+	5	1.04000+	1	2.65000+	5	1.05000+	1	2.70000+	5	1.04000+	15002	3	2	461
2.75000+	5	9.89980+	0	2.80000+	5	9.09990+	0	2.85000+	5	8.49990+	05002	3	2	462
2.90000+	5	8.49990+	0	2.95000+	5	8.44990+	0	3.00000+	5	8.24990+	05002	3	2	463
3.05000+	5	7.99990+	0	3.10000+	5	7.69990+	0	3.15000+	5	7.29990+	05002	3	2	464
3.20000+	5	6.84990+	0	3.25000+	5	6.44990+	0	3.30000+	5	6.09990+	05002	3	2	465
3.35000+	5	5.74990+	0	3.40000+	5	5.46990+	0	3.45000+	5	5.24990+	05002	3	2	466
3.50000+	5	5.04990+	0	3.55000+	5	4.86990+	0	3.60000+	5	4.74990+	05002	3	2	467
3.65000+	5	4.64990+	0	3.70000+	5	4.54990+	0	3.75000+	5	4.49990+	05002	3	2	468
3.80000+	5	4.47990+	0	3.85000+	5	4.49990+	0	3.90000+	5	4.59990+	05002	3	2	469
3.95000+	5	4.74990+	0	4.00000+	5	4.94990+	0	4.02000+	5	5.09990+	05002	3	2	470
4.04000+	5	5.19990+	0	4.05000+	5	5.49990+	0	4.08000+	5	5.89980+	05002	3	2	471
4.10000+	5	6.29980+	0	4.12000+	5	6.79980+	0	4.14000+	5	7.49980+	05002	3	2	472
4.16000+	5	7.99970+	0	4.18000+	5	8.79970+	0	4.20000+	5	9.79970+	05002	3	2	473
4.22000+	5	1.08000+	1	4.24000+	5	1.20000+	1	4.26000+	5	1.34990+	15002	3	2	474
4.28000+	5	1.46990+	1	4.30000+	5	1.52000+	1	4.32000+	5	1.44990+	15002	3	2	475
4.34000+	5	1.34000+	1	4.36000+	5	1.25000+	1	4.38000+	5	1.30000+	15002	3	2	476
4.40000+	5	1.15000+	1	4.42000+	5	1.05000+	1	4.44000+	5	9.89970+	05002	3	2	477
4.46000+	5	9.84980+	0	4.48000+	5	9.89980+	0	4.50000+	5	9.74980+	05002	3	2	478
4.52000+	5	9.09980+	0	4.54000+	5	8.49990+	0	4.56000+	5	7.89990+	05002	3	2	479
4.58000+	5	7.49980+	0	4.60000+	5	7.19800+	0	4.62000+	5	6.89800+	05002	3	2	480
4.64000+	5	6.64800+	0	4.66000+	5	6.44800+	0	4.68000+	5	6.24800+	05002	3	2	481
4.70000+	5	6.04800+	0	4.72000+	5	5.89800+	0	4.74000+	5	5.79800+	05002	3	2	482
4.76000+	5	5.64800+	0	4.78000+	5	5.58800+	0	4.80000+	5	5.49800+	05002	3	2	483
4.82000+	5	5.39900+	0	4.84000+	5	5.24900+	0	4.86000+	5	5.14900+	05002	3	2	484
4.88000+	5	4.99900+	0	4.90000+	5	4.84900+	0	4.92000+	5	4.77900+	05002	3	2	485
4.94000+	5	4.69900+	0	4.96000+	5	4.57900+	0	4.98000+	5	4.49900+	05002	3	2	486
5.00000+	5	4.59900+	0	5.02000+	5	5.39900+	0	5.04000+	5	5.69900+	05002	3	2	487
5.06000+	5	5.39900+	0	5.08000+	5	5.09900+	0	5.10000+	5	4.95900+	05002	3	2	488
5.15000+	5	4.61900+	0	5.20000+	5	4.49900+	0	5.25000+	5	4.57900+	05002	3	2	489
5.30000+	5	4.59900+	0	5.35000+	5	4.67900+	0	5.40000+	5	4.69900+	05002	3	2	490
5.45000+	5	4.74900+	0	5.50000+	5	4.79900+	0	5.55000+	5	4.79900+	05002	3	2	491

5.60000+	5	4.79900+	0	5.65000+	5	4.77900+	0	5.70000+	5	4.73900+	05002	3	2	492
5.75000+	5	4.69900+	0	5.80000+	5	4.59900+	0	5.85000+	5	4.54900+	05002	3	2	493
5.90000+	5	4.44900+	0	5.95000+	5	4.34900+	0	6.00000+	5	4.21900+	05002	3	2	494
6.05000+	5	4.09900+	0	6.10000+	5	3.99900+	0	6.15000+	5	3.84900+	05002	3	2	495
6.20000+	5	3.74900+	0	6.25000+	5	3.59800+	0	6.30000+	5	3.49800+	05002	3	2	496
6.32000+	5	3.34800+	0	6.34000+	5	3.09800+	0	6.36000+	5	2.79800+	05002	3	2	497
6.38000+	5	2.43800+	0	6.40000+	5	2.79800+	0	6.42000+	5	3.59800+	05002	3	2	498
6.44000+	5	3.54800+	0	6.46000+	5	3.04800+	0	6.48000+	5	2.71800+	05002	3	2	499
6.50000+	5	2.52800+	0	6.52000+	5	2.41700+	0	6.54000+	5	2.44700+	05002	3	2	500
6.56000+	5	2.64700+	0	6.58000+	5	2.99700+	0	6.60000+	5	3.64700+	05002	3	2	501
6.62000+	5	4.39700+	0	6.64000+	5	4.84700+	0	6.66000+	5	5.14700+	05002	3	2	502
6.68000+	5	5.29700+	0	6.70000+	5	5.34700+	0	6.75000+	5	5.29700+	05002	3	2	503
6.80000+	5	5.14600+	0	6.85000+	5	4.97600+	0	6.90000+	5	4.69600+	05002	3	2	504
6.95000+	5	4.49600+	0	7.00000+	5	4.34600+	0	7.05000+	5	4.23500+	05002	3	2	505
7.10000+	5	4.17500+	0	7.15000+	5	4.11500+	0	7.20000+	5	4.09500+	05002	3	2	506
7.25000+	5	4.09500+	0	7.30000+	5	4.04500+	0	7.35000+	5	3.99400+	05002	3	2	507
7.40000+	5	3.94400+	0	7.45000+	5	3.89400+	0	7.50000+	5	3.84400+	05002	3	2	508
7.55000+	5	3.79400+	0	7.60000+	5	3.73300+	0	7.65000+	5	3.67300+	05002	3	2	509
7.70000+	5	3.59300+	0	7.75000+	5	3.54300+	0	7.80000+	5	3.49300+	05002	3	2	510
7.85000+	5	3.50300+	0	7.90000+	5	3.51300+	0	7.95000+	5	3.52300+	05002	3	2	511
8.00000+	5	3.53200+	0	8.05000+	5	3.54200+	0	8.10000+	5	3.57200+	05002	3	2	512
8.15000+	5	3.59200+	0	8.20000+	5	3.67200+	0	8.25000+	5	3.79100+	05002	3	2	513
8.30000+	5	3.95100+	0	8.32000+	5	4.04100+	0	8.34000+	5	4.15100+	05002	3	2	514
8.36000+	5	4.31100+	0	8.38000+	5	4.53100+	0	8.40000+	5	4.97100+	05002	3	2	515
8.42000+	5	5.54100+	0	8.44000+	5	6.19100+	0	8.46000+	5	6.89100+	05002	3	2	516
8.48000+	5	7.57100+	0	8.50000+	5	7.84100+	0	8.52000+	5	7.05100+	05002	3	2	517
8.54000+	5	6.29100+	0	8.56000+	5	5.67000+	0	8.58000+	5	5.17000+	05002	3	2	518
8.60000+	5	4.77000+	0	8.62000+	5	4.45000+	0	8.64000+	5	4.19000+	05002	3	2	519
8.66000+	5	3.97000+	0	8.68000+	5	3.84000+	0	8.70000+	5	3.73000+	05002	3	2	520
8.75000+	5	3.56000+	0	8.80000+	5	3.47000+	0	8.85000+	5	3.38970+	05002	3	2	521
8.90000+	5	3.33000+	0	8.95000+	5	3.26900+	0	9.00000+	5	3.22900+	05002	3	2	522
9.05000+	5	3.18900+	0	9.10000+	5	3.14900+	0	9.15000+	5	3.12900+	05002	3	2	523
9.20000+	5	3.10900+	0	9.25000+	5	3.08900+	0	9.30000+	5	3.06900+	05002	3	2	524
9.35000+	5	3.02800+	0	9.40000+	5	2.98800+	0	9.45000+	5	2.94800+	05002	3	2	525
9.50000+	5	2.92800+	0	9.55000+	5	2.90800+	0	9.60000+	5	2.87800+	05002	3	2	526
9.62000+	5	2.86800+	0	9.64000+	5	2.86800+	0	9.66000+	5	2.92800+	05002	3	2	527
9.68000+	5	3.10800+	0	9.70000+	5	3.33800+	0	9.72000+	5	3.38800+	05002	3	2	528
9.74000+	5	3.22700+	0	9.76000+	5	3.08700+	0	9.78000+	5	2.92700+	05002	3	2	529
9.80000+	5	2.84700+	0	9.82000+	5	2.82700+	0	9.84000+	5	2.79700+	05002	3	2	530
9.86000+	5	2.76700+	0	9.88000+	5	2.73700+	0	9.90000+	5	2.71700+	05002	3	2	531
9.92000+	5	2.68700+	0	9.94000+	5	2.65700+	0	9.96000+	5	2.63700+	05002	3	2	532
9.98000+	5	2.60700+	0	1.00000+	6	2.56700+	0	1.00200+	6	2.54700+	05002	3	2	533
1.00400+	6	2.52700+	0	1.00600+	6	2.50700+	0	1.00800+	6	2.47700+	05002	3	2	534
1.01000+	6	2.46700+	0	1.01200+	6	2.44700+	0	1.01400+	6	2.51700+	05002	3	2	535
1.01600+	6	2.62700+	0	1.01800+	6	2.94700+	0	1.02000+	6	3.43600+	05002	3	2	536
1.02200+	6	3.62600+	0	1.02400+	6	3.16600+	0	1.02600+	6	2.76600+	05002	3	2	537
1.02800+	6	2.34600+	0	1.03000+	6	1.98600+	0	1.03200+	6	1.73600+	05002	3	2	538
1.03400+	6	1.88500+	0	1.03600+	6	2.28500+	0	1.03800+	6	2.66500+	05002	3	2	539
1.04000+	6	3.03500+	0	1.04200+	6	3.26500+	0	1.04400+	6	3.40500+	05002	3	2	540
1.04600+	6	3.36500+	0	1.04800+	6	3.15500+	0	1.05000+	6	2.93400+	05002	3	2	541
1.05200+	6	2.72400+	0	1.05400+	6	2.55400+	0	1.05600+	6	2.40400+	05002	3	2	542
1.05800+	6	2.42400+	0	1.06000+	6	2.45400+	0	1.06200+	6	2.30400+	05002	3	2	543
1.06400+	6	2.05400+	0	1.06600+	6	1.80400+	0	1.06800+	6	1.56300+	05002	3	2	544



1.07000+	6	1.48300+	0	1.07200+	6	1.65300+	0	1.07400+	6	1.86300+	05002	3	2	545
1.07000+	6	2.12300+	0	1.07800+	6	2.42300+	0	1.08000+	6	2.75300+	05002	3	2	546
1.08500+	6	3.10200+	0	1.09000+	6	3.32200+	0	1.09500+	6	3.41200+	05002	3	2	547
1.10000+	6	3.38100+	0	1.11000+	6	3.30100+	0	1.12000+	6	3.21000+	05002	3	2	548
1.13000+	6	3.14000+	0	1.14000+	6	3.05900+	0	1.15000+	6	3.00900+	05002	3	2	549
1.16000+	6	2.94800+	0	1.17000+	6	2.87800+	0	1.18000+	6	2.83700+	05002	3	2	550
1.19000+	6	2.82700+	0	1.20000+	6	2.81600+	0	1.21000+	6	2.81600+	05002	3	2	551
1.22000+	6	2.78500+	0	1.23000+	6	2.74500+	0	1.24000+	6	2.70500+	05002	3	2	552
1.25000+	6	2.67400+	0	1.26000+	6	2.65400+	0	1.26200+	6	2.67400+	05002	3	2	553
1.26400+	6	2.70400+	0	1.26600+	6	2.73300+	0	1.26800+	6	2.84300+	05002	3	2	554
1.27000+	6	2.99300+	0	1.27200+	6	3.29300+	0	1.27400+	6	3.65300+	05002	3	2	555
1.27600+	6	4.01300+	0	1.27800+	6	4.35300+	0	1.28000+	6	3.81300+	05002	3	2	556
1.28200+	6	3.22300+	0	1.28400+	6	2.84300+	0	1.28600+	6	3.09300+	05002	3	2	557
1.28800+	6	3.59300+	0	1.29000+	6	4.07200+	0	1.29200+	6	4.58300+	05002	3	2	558
1.29400+	6	5.10200+	0	1.29600+	6	5.63200+	0	1.29800+	6	6.24200+	05002	3	2	559
1.30000+	6	5.93200+	0	1.30200+	6	5.33200+	0	1.30400+	6	4.89200+	05002	3	2	560
1.30600+	6	4.51200+	0	1.30800+	6	4.20200+	0	1.31000+	6	3.90200+	05002	3	2	561
1.31200+	6	3.73200+	0	1.31400+	6	3.60200+	0	1.31600+	6	3.48200+	05002	3	2	562
1.31800+	6	3.40200+	0	1.32000+	6	3.35100+	0	1.33000+	6	3.22100+	05002	3	2	563
1.34000+	6	3.10100+	0	1.35000+	6	2.99100+	0	1.36000+	6	2.89000+	05002	3	2	564
1.37000+	6	2.79000+	0	1.38000+	6	2.72000+	0	1.39000+	6	2.71000+	05002	3	2	565
1.40000+	6	2.69900+	0	1.42000+	6	2.69900+	0	1.44000+	6	2.62900+	05002	3	2	566
1.46000+	6	2.54100+	0	1.48000+	6	2.43300+	0	1.50000+	6	2.33200+	05002	3	2	567
1.52000+	6	2.18100+	0	1.54000+	6	1.98500+	0	1.56000+	6	1.77900+	05002	3	2	568
1.58000+	6	1.64600+	0	1.60000+	6	1.69400+	0	1.62000+	6	1.86300+	05002	3	2	569
1.64000+	6	2.16100+	0	1.66000+	6	2.54600+	0	1.68000+	6	3.04900+	05002	3	2	570
1.70000+	6	3.36400+	0	1.72000+	6	2.96400+	0	1.74000+	6	3.05100+	05002	3	2	571
1.76000+	6	3.50300+	0	1.78000+	6	3.07000+	0	1.80000+	6	2.55400+	05002	3	2	572
1.82000+	6	2.21000+	0	1.84000+	6	2.10000+	0	1.86000+	6	2.17000+	05002	3	2	573
1.88000+	6	2.32800+	0	1.90000+	6	2.54100+	0	1.92000+	6	2.69100+	05002	3	2	574
1.94000+	6	2.72000+	0	1.96000+	6	2.56800+	0	1.98000+	6	2.39100+	05002	3	2	575
2.00000+	6	2.27400+	0	2.02000+	6	2.15400+	0	2.04000+	6	2.05000+	05002	3	2	576
2.06000+	6	1.95900+	0	2.08000+	6	1.88200+	0	2.10000+	6	1.82200+	05002	3	2	577
2.12000+	6	1.78000+	0	2.14000+	6	1.75300+	0	2.16000+	6	1.75900+	05002	3	2	578
2.18000+	6	1.81200+	0	2.20000+	6	1.90700+	0	2.22000+	6	2.04900+	05002	3	2	579
2.24000+	6	2.23400+	0	2.26000+	6	2.46000+	0	2.28000+	6	2.70300+	05002	3	2	580
2.30000+	6	2.76900+	0	2.32000+	6	2.35900+	0	2.34000+	6	1.96100+	05002	3	2	581
2.36000+	6	1.67300+	0	2.38000+	6	1.44400+	0	2.40000+	6	1.29000+	05002	3	2	582
2.42000+	6	1.23800+	0	2.44000+	6	1.25500+	0	2.46000+	6	1.30200+	05002	3	2	583
2.48000+	6	1.39200+	0	2.50000+	6	1.52300+	0	2.52000+	6	1.68600+	05002	3	2	584
2.54000+	6	1.89000+	0	2.56000+	6	2.14800+	0	2.58000+	6	2.39400+	05002	3	2	585
2.60000+	6	2.28900+	0	2.62000+	6	2.48700+	0	2.64000+	6	2.77400+	05002	3	2	586
2.66000+	6	2.56100+	0	2.68000+	6	2.32600+	0	2.70000+	6	2.11500+	05002	3	2	587
2.72000+	6	1.93000+	0	2.74000+	6	1.78500+	0	2.76000+	6	1.67900+	05002	3	2	588
2.78000+	6	1.62300+	0	2.80000+	6	1.65200+	0	2.82000+	6	1.73000+	05002	3	2	589
2.84000+	6	1.84800+	0	2.86000+	6	1.80100+	0	2.88000+	6	1.63400+	05002	3	2	590
2.90000+	6	1.50700+	0	2.92000+	6	1.43600+	0	2.94000+	6	1.42000+	05002	3	2	591
2.96000+	6	1.41700+	0	2.98000+	6	1.43800+	0	3.00000+	6	1.53200+	05002	3	2	592
3.02000+	6	1.66500+	0	3.04000+	6	1.81900+	0	3.06000+	6	1.84400+	05002	3	2	593
3.08000+	6	1.74200+	0	3.10000+	6	1.60600+	0	3.12000+	6	1.45000+	05002	3	2	594
3.14000+	6	1.28400+	0	3.16000+	6	1.11400+	0	3.18000+	6	9.47900-	15002	3	2	595
3.20000+	6	7.85900-	1	3.25000+	6	7.44200-	1	3.30000+	6	1.09200+	05002	3	2	596
3.35000+	6	1.48100+	0	3.40000+	6	1.23900+	0	3.45000+	6	1.38800+	05002	3	2	597

3.50000*	6	1.71800*	0	3.55000*	6	1.59200*	0	3.60000*	6	1.39500*	05002	3	2	598
3.65000*	6	1.24300*	0	3.70000*	6	1.15000*	0	3.75000*	6	1.06700*	05002	3	2	599
3.80000*	6	9.64900-	1	3.85000*	6	8.42900-	1	3.90000*	6	6.71900-	15002	3	2	600
3.95000*	6	7.29900-	1	4.00000*	6	9.87900-	1	4.05000*	6	1.24800*	05002	3	2	601
4.10000*	6	1.19800*	0	4.15000*	6	1.36800*	0	4.20000*	6	1.53800*	05002	3	2	602
4.25000*	6	1.27700*	0	4.30000*	6	1.16600*	0	4.35000*	6	1.46600*	05002	3	2	603
4.40000*	6	1.87600*	0	4.45000*	6	1.53600*	0	4.50000*	6	1.25600*	05002	3	2	604
4.55000*	6	1.02600*	0	4.60000*	6	1.17600*	0	4.65000*	6	1.46600*	05002	3	2	605
4.70000*	6	1.33600*	0	4.75000*	6	1.17500*	0	4.80000*	6	1.25500*	05002	3	2	606
4.85000*	6	1.58500*	0	4.90000*	6	1.45300*	0	4.95000*	6	1.19200*	05002	3	2	607
5.00000*	6	1.41000*	0	5.05000*	6	1.26800*	0	5.10000*	6	1.46600*	05002	3	2	608
5.15000*	6	1.16200*	0	5.20000*	6	1.28800*	0	5.25000*	6	1.14400*	05002	3	2	609
5.30000*	6	1.01900*	0	5.35000*	6	1.05100*	0	5.40000*	6	1.15200*	05002	3	2	610
5.45000*	6	1.11500*	0	5.50000*	6	1.03300*	0	5.55000*	6	1.08300*	05002	3	2	611
5.60000*	6	1.16300*	0	5.65000*	6	1.17400*	0	5.70000*	6	1.13200*	05002	3	2	612
5.75000*	6	1.08700*	0	5.80000*	6	1.05700*	0	5.85000*	6	1.02700*	05002	3	2	613
5.90000*	6	9.82000-	1	5.95000*	6	9.17000-	1	6.00000*	6	8.32000-	15002	3	2	614
6.05000*	6	7.27000-	1	6.10000*	6	6.22000-	1	6.15000*	6	5.17000-	15002	3	2	615
6.20000*	6	5.27000-	1	6.25000*	6	5.72000-	1	6.30000*	6	6.12000-	15002	3	2	616
6.35000*	6	6.67000-	1	6.40000*	6	7.32000-	1	6.45000*	6	7.97000-	15002	3	2	617
6.50000*	6	8.67000-	1	6.55000*	6	9.47000-	1	6.60000*	6	9.82000-	15002	3	2	618
6.65000*	6	8.37000-	1	6.70000*	6	7.62000-	1	6.75000*	6	7.99000-	15002	3	2	619
6.80000*	6	9.06000-	1	6.85000*	6	1.02200*	0	6.90000*	6	1.10700*	05002	3	2	620
6.95000*	6	9.42000-	1	7.00000*	6	8.37000-	1	7.05000*	6	7.87000-	15002	3	2	621
7.10000*	6	7.48000-	1	7.15000*	6	7.28000-	1	7.20000*	6	7.38000-	15002	3	2	622
7.25000*	6	7.99000-	1	7.30000*	6	8.05000-	1	7.35000*	6	7.99000-	15002	3	2	623
7.40000*	6	8.22000-	1	7.45000*	6	8.28000-	1	7.50000*	6	7.53000-	15002	3	2	624
7.55000*	6	7.04000-	1	7.60000*	6	6.89000-	1	7.65000*	6	7.31000-	15002	3	2	625
7.70000*	6	7.93000-	1	7.75000*	6	8.44000-	1	7.80000*	6	8.05000-	15002	3	2	626
7.85000*	6	7.34000-	1	7.90000*	6	6.77000-	1	7.95000*	6	6.29000-	15002	3	2	627
8.00000*	6	6.17000-	1	8.05000*	6	6.44000-	1	8.10000*	6	7.11000-	15002	3	2	628
8.15000*	6	8.09000-	1	8.20000*	6	8.97000-	1	8.25000*	6	1.00400*	05002	3	2	629
8.30000*	6	9.77000-	1	8.35000*	6	8.70000-	1	8.40000*	6	7.84000-	15002	3	2	630
8.45000*	6	7.22000-	1	8.50000*	6	6.75000-	1	8.55000*	6	6.89000-	15002	3	2	631
8.60000*	6	7.33000-	1	8.65000*	6	7.92000-	1	8.70000*	6	8.26000-	15002	3	2	632
8.75000*	6	7.30000-	1	8.80000*	6	6.84000-	1	8.85000*	6	6.43000-	15002	3	2	633
8.90000*	6	6.22000-	1	8.95000*	6	6.06000-	1	9.00000*	6	5.85000-	15002	3	2	634
9.10000*	6	5.79000-	1	9.20000*	6	6.03000-	1	9.30000*	6	6.48000-	15002	3	2	635
9.40000*	6	6.72000-	1	9.50000*	6	6.57000-	1	9.60000*	6	6.16000-	15002	3	2	636
9.70000*	6	6.10000-	1	9.80000*	6	6.15000-	1	9.90000*	6	6.24000-	15002	3	2	637
1.00000*	7	6.37000-	1	1.01000*	7	6.37000-	1	1.02000*	7	6.37000-	15002	3	2	638
1.03000*	7	6.37000-	1	1.04000*	7	6.37000-	1	1.05000*	7	6.38000-	15002	3	2	639
1.06000*	7	6.39000-	1	1.07000*	7	6.41000-	1	1.08000*	7	6.41000-	15002	3	2	640
1.09000*	7	6.42000-	1	1.10000*	7	6.44000-	1	1.12000*	7	6.48000-	15002	3	2	641
1.14000*	7	6.51000-	1	1.16000*	7	6.55000-	1	1.18000*	7	6.63000-	15002	3	2	642
1.20000*	7	6.70000-	1	1.25000*	7	6.87000-	1	1.30000*	7	7.15000-	15002	3	2	643
1.35000*	7	7.47000-	1	1.40000*	7	7.87000-	1	1.45000*	7	8.16000-	15002	3	2	644
1.50000*	7	8.30000-	1	1.55000*	7	8.35000-	1	1.60000*	7	8.37000-	15002	3	2	645
1.65000*	7	8.41000-	1	1.70000*	7	8.45000-	1	1.75000*	7	8.51000-	15002	3	2	646
1.80000*	7	8.56000-	1	1.85000*	7	8.59000-	1	1.90000*	7	8.61000-	15002	3	2	647
1.95000*	7	8.64000-	1	2.00000*	7	8.68000-	1			5002	3	2	648	

\*\*\*\*\* FIRST ENERGY IN CROSS SECTION TABLE SHOULD BE LESS THAN OR EQUAL TO 1.0E-5 EV. \*\*\*\*\*

1.20240+	4	2.41030+	1	0	99	0	5002	3	0	649				
0.00000+	0	0.00000+	0	0	0	1	05002	3	3	650				
	692		5				6925002	3	3	651				
1.00000-	2	1.00000-	1	2.53000-	2	0.30000-	2	1.00000+	0	1.01000-	25002	3	3	652
5.00000+	0	4.55000-	3	1.00000+	1	3.18000-	3	5.00000+	1	1.41000-	35002	3	3	653
1.00000+	2	1.00000-	3	2.00000+	2	7.00000-	4	4.00000+	2	4.90000-	45002	3	3	654
6.00000+	2	4.10000-	4	8.00000+	2	3.60000-	4	1.00000+	3	3.30000-	45002	3	3	655
2.00000+	3	2.40000-	4	3.00000+	3	2.00000-	4	4.00000+	3	1.80000-	45002	3	3	656
5.00000+	3	1.70000-	4	6.00000+	3	1.60000-	4	8.00000+	3	1.55000-	45002	3	3	657
1.00000+	4	1.60000-	4	1.20000+	4	1.70000-	4	1.30000+	4	1.80000-	45002	3	3	658
1.40000+	4	2.10000-	4	1.50000+	4	2.40000-	4	1.60000+	4	3.00000-	45002	3	3	659
1.65000+	4	3.30000-	4	1.70000+	4	4.00000-	4	1.75000+	4	5.00000-	45002	3	3	660
1.80000+	4	6.00000-	4	1.85000+	4	9.00000-	4	1.90000+	4	1.30000-	35002	3	3	661
1.95000+	4	2.00000-	3	2.00000+	4	3.00000-	3	2.02000+	4	4.00000-	35002	3	3	662
2.04000+	4	5.00000-	3	2.06000+	4	6.80000-	3	2.08000+	4	7.00000-	35002	3	3	663
2.10000+	4	7.00000-	3	2.12000+	4	6.80000-	3	2.14000+	4	6.00000-	35002	3	3	664
2.16000+	4	4.00000-	3	2.18000+	4	3.50000-	3	2.20000+	4	3.00000-	35002	3	3	665
2.25000+	4	1.50000-	3	2.30000+	4	1.00000-	3	2.35000+	4	7.00000-	45002	3	3	666
2.40000+	4	5.00000-	4	2.45000+	4	4.00000-	4	2.50000+	4	3.50000-	45002	3	3	667
2.55000+	4	3.00000-	4	2.60000+	4	2.50000-	4	2.65000+	4	2.30000-	45002	3	3	668
2.70000+	4	2.10000-	4	2.75000+	4	1.90000-	4	2.80000+	4	1.80000-	45002	3	3	669
2.85000+	4	1.70000-	4	2.90000+	4	1.60000-	4	2.95000+	4	1.55000-	45002	3	3	670
3.00000+	4	1.50000-	4	3.20000+	4	1.44000-	4	3.40000+	4	1.40000-	45002	3	3	671
3.60000+	4	1.38000-	4	3.80000+	4	1.38000-	4	4.00000+	4	1.40000-	45002	3	3	672
4.20000+	4	1.44000-	4	4.40000+	4	1.49000-	4	4.60000+	4	1.55000-	45002	3	3	673
4.80000+	4	1.65000-	4	5.00000+	4	1.80000-	4	5.20000+	4	2.00000-	45002	3	3	674
5.40000+	4	2.30000-	4	5.60000+	4	2.50000-	4	5.80000+	4	2.90000-	45002	3	3	675
6.00000+	4	3.30000-	4	6.20000+	4	3.70000-	4	6.40000+	4	4.40000-	45002	3	3	676
6.60000+	4	5.00000-	4	6.80000+	4	6.50000-	4	7.00000+	4	8.00000-	45002	3	3	677
7.20000+	4	1.00000-	3	7.40000+	4	1.50000-	3	7.60000+	4	2.00000-	35002	3	3	678
7.80000+	4	3.00000-	3	8.00000+	4	5.00000-	3	8.10000+	4	6.00000-	35002	3	3	679
8.20000+	4	8.00000-	3	8.30000+	4	9.40000-	3	8.40000+	4	9.60000-	35002	3	3	680
8.50000+	4	9.00000-	3	8.60000+	4	7.00000-	3	8.70000+	4	5.00000-	35002	3	3	681
8.80000+	4	4.00000-	3	8.90000+	4	3.50000-	3	9.00000+	4	2.80000-	35002	3	3	682
9.20000+	4	2.00000-	3	9.40000+	4	1.40000-	3	9.60000+	4	1.00000-	35002	3	3	683
9.80000+	4	7.00000-	4	1.00000+	5	6.00000-	4	1.05000+	5	4.00000-	45002	3	3	684
1.10000+	5	2.85000-	4	1.15000+	5	1.82000-	4	1.20000+	5	1.30000-	45002	3	3	685
1.25000+	5	1.02000-	4	1.30000+	5	8.30000-	5	1.35000+	5	7.10000-	55002	3	3	686
1.40000+	5	6.30000-	5	1.45000+	5	5.80000-	5	1.50000+	5	5.40000-	55002	3	3	687
1.55000+	5	5.10000-	5	1.60000+	5	5.00000-	5	1.65000+	5	4.90000-	55002	3	3	688
1.70000+	5	4.90000-	5	1.75000+	5	5.00000-	5	1.80000+	5	5.10000-	55002	3	3	689
1.85000+	5	5.40000-	5	1.90000+	5	5.70000-	5	1.95000+	5	6.10000-	55002	3	3	690
2.00000+	5	6.50000-	5	2.05000+	5	7.10000-	5	2.10000+	5	7.70000-	55002	3	3	691
2.15000+	5	8.50000-	5	2.20000+	5	9.40000-	5	2.25000+	5	1.02000-	45002	3	3	692
2.30000+	5	1.14000-	4	2.35000+	5	1.27000-	4	2.40000+	5	1.43000-	45002	3	3	693
2.45000+	5	1.55000-	4	2.50000+	5	1.65000-	4	2.55000+	5	1.72000-	45002	3	3	694
2.60000+	5	1.75000-	4	2.65000+	5	1.72000-	4	2.70000+	5	1.65000-	45002	3	3	695
2.75000+	5	1.54000-	4	2.80000+	5	1.40000-	4	2.85000+	5	1.27000-	45002	3	3	696
2.90000+	5	1.15000-	4	2.95000+	5	1.08000-	4	3.00000+	5	9.30000-	55002	3	3	697
3.05000+	5	8.00000-	5	3.10000+	5	7.80000-	5	3.15000+	5	7.10000-	55002	3	3	698
3.20000+	5	6.50000-	5	3.25000+	5	6.10000-	5	3.30000+	5	5.60000-	55002	3	3	699
3.35000+	5	5.30000-	5	3.40000+	5	5.00000-	5	3.45000+	5	4.80000-	55002	3	3	700

3.50000+	5	4.70000-	5	3.55000+	5	4.60000-	5	3.60000+	5	4.65000-	55002	3	3	702
3.65000+	5	4.80000-	5	3.70000+	5	5.00000-	5	3.75000+	5	5.40000-	55002	3	3	703
3.80000+	5	5.90000-	5	3.85000+	5	6.60000-	5	3.90000+	5	7.60000-	55002	3	3	704
3.95000+	5	9.10000-	5	4.00000+	5	1.12000-	4	4.02000+	5	1.24000-	45002	3	3	705
4.04000+	5	1.38000-	4	4.06000+	5	1.54000-	4	4.08000+	5	1.69000-	45002	3	3	706
4.10000+	5	1.89000-	4	4.12000+	5	2.15000-	4	4.14000+	5	2.42000-	45002	3	3	707
4.16000+	5	2.70000-	4	4.18000+	5	3.08000-	4	4.20000+	5	3.48000-	45002	3	3	708
4.22000+	5	3.85000-	4	4.24000+	5	4.20000-	4	4.26000+	5	4.55000-	45002	3	3	709
4.28000+	5	4.85000-	4	4.30000+	5	4.90000-	4	4.32000+	5	4.82000-	45002	3	3	710
4.34000+	5	4.50000-	4	4.36000+	5	4.15000-	4	4.38000+	5	3.70000-	45002	3	3	711
4.40000+	5	3.38000-	4	4.42000+	5	2.95000-	4	4.44000+	5	2.55000-	45002	3	3	712
4.46000+	5	2.25000-	4	4.48000+	5	1.97000-	4	4.50000+	5	1.76000-	45002	3	3	713
4.52000+	5	1.55000-	4	4.54000+	5	1.36000-	4	4.56000+	5	1.22000-	45002	3	3	714
4.58000+	5	1.10000-	4	4.60000+	5	1.57000-	3	4.62000+	5	1.56000-	35002	3	3	715
4.64000+	5	1.55000-	3	4.66000+	5	1.55000-	3	4.68000+	5	1.54000-	35002	3	3	716
4.70000+	5	1.54000-	3	4.72000+	5	1.53000-	3	4.74000+	5	1.52000-	35002	3	3	717
4.76000+	5	1.52000-	3	4.78000+	5	1.51000-	3	4.80000+	5	1.51000-	35002	3	3	718
4.82000+	5	1.50000-	3	4.84000+	5	1.50000-	3	4.86000+	5	1.49000-	35002	3	3	719
4.88000+	5	1.49000-	3	4.90000+	5	1.48000-	3	4.92000+	5	1.48000-	35002	3	3	720
4.94000+	5	1.47000-	3	4.96000+	5	1.47000-	3	4.98000+	5	1.46000-	35002	3	3	721
5.00000+	5	1.46000-	3	5.02000+	5	1.45000-	3	5.04000+	5	1.45000-	35002	3	3	722
5.06000+	5	1.44000-	3	5.08000+	5	1.43000-	3	5.10000+	5	1.43000-	35002	3	3	723
5.15000+	5	1.41000-	3	5.20000+	5	1.40000-	3	5.25000+	5	1.38000-	35002	3	3	724
5.30000+	5	1.37000-	3	5.35000+	5	1.35000-	3	5.40000+	5	1.34000-	35002	3	3	725
5.45000+	5	1.33000-	3	5.50000+	5	1.32000-	3	5.55000+	5	1.31000-	35002	3	3	726
5.60000+	5	1.30000-	3	5.65000+	5	1.29000-	3	5.70000+	5	1.28000-	35002	3	3	727
5.75000+	5	1.27000-	3	5.80000+	5	1.26000-	3	5.85000+	5	1.25000-	35002	3	3	728
5.90000+	5	1.24000-	3	5.95000+	5	1.22000-	3	6.00000+	5	1.21000-	35002	3	3	729
6.05000+	5	1.20000-	3	6.10000+	5	1.19000-	3	6.15000+	5	1.29000-	35002	3	3	730
6.20000+	5	1.34000-	3	6.25000+	5	1.53000-	3	6.30000+	5	1.72000-	35002	3	3	731
6.32000+	5	1.79000-	3	6.34000+	5	1.87000-	3	6.36000+	5	1.95000-	35002	3	3	732
6.38000+	5	2.02000-	3	6.40000+	5	2.11000-	3	6.42000+	5	2.20000-	35002	3	3	733
6.44000+	5	2.27000-	3	6.46000+	5	2.35000-	3	6.48000+	5	2.42000-	35002	3	3	734
6.50000+	5	2.50000-	3	6.52000+	5	2.58000-	3	6.54000+	5	2.66000-	35002	3	3	735
6.56000+	5	2.73000-	3	6.58000+	5	2.80000-	3	6.60000+	5	2.89000-	35002	3	3	736
6.62000+	5	2.96000-	3	6.64000+	5	3.04000-	3	6.66000+	5	3.11000-	35002	3	3	737
6.68000+	5	3.17000-	3	6.70000+	5	3.24000-	3	6.75000+	5	3.43000-	35002	3	3	738
6.80000+	5	3.62000-	3	6.85000+	5	3.82000-	3	6.90000+	5	4.00000-	35002	3	3	739
6.95000+	5	4.19000-	3	7.00000+	5	4.38000-	3	7.05000+	5	4.55000-	35002	3	3	740
7.10000+	5	4.72000-	3	7.15000+	5	4.90000-	3	7.20000+	5	5.09000-	35002	3	3	741
7.25000+	5	5.27000-	3	7.30000+	5	5.46000-	3	7.35000+	5	5.63000-	35002	3	3	742
7.40000+	5	5.80000-	3	7.45000+	5	6.00000-	3	7.50000+	5	6.20000-	35002	3	3	743
7.55000+	5	6.39000-	3	7.60000+	5	6.60000-	3	7.65000+	5	6.74000-	35002	3	3	744
7.70000+	5	6.79000-	3	7.75000+	5	7.04000-	3	7.80000+	5	7.18000-	35002	3	3	745
7.85000+	5	7.27000-	3	7.90000+	5	7.38000-	3	7.95000+	5	7.47000-	35002	3	3	746
8.00000+	5	7.78000-	3	8.05000+	5	7.93000-	3	8.10000+	5	8.10000-	35002	3	3	747
8.15000+	5	8.26000-	3	8.20000+	5	8.42000-	3	8.25000+	5	8.60000-	35002	3	3	748
8.30000+	5	8.70000-	3	8.32000+	5	8.80000-	3	8.34000+	5	8.80000-	35002	3	3	749
8.36000+	5	8.90000-	3	8.38000+	5	8.90000-	3	8.40000+	5	9.00000-	35002	3	3	750
8.42000+	5	9.10000-	3	8.44000+	5	9.10000-	3	8.46000+	5	9.20000-	35002	3	3	751
8.48000+	5	9.30000-	3	8.50000+	5	9.40000-	3	8.52000+	5	9.40000-	35002	3	3	752
8.54000+	5	9.50000-	3	8.56000+	5	9.60000-	3	8.58000+	5	9.60000-	35002	3	3	753
8.60000+	5	9.70000-	3	8.62000+	5	9.80000-	3	8.64000+	5	9.80000-	35002	3	3	754

8.66000+	5	9.90000-	3	8.68000+	5	9.90000-	3	8.70000+	5	1.00000-	25002	3	3	755
8.75000+	5	1.01000-	2	8.80000+	5	1.02000-	2	8.85000+	5	1.03000-	25002	3	3	756
8.90000+	5	1.04000-	2	8.95000+	5	1.06000-	2	9.00000+	5	1.07000-	25002	3	3	757
9.05000+	5	1.09000-	2	9.10000+	5	1.09000-	2	9.15000+	5	1.11000-	25002	3	3	758
9.20000+	5	1.12000-	2	9.25000+	5	1.13000-	2	9.30000+	5	1.14000-	25002	3	3	759
9.35000+	5	1.16000-	2	9.40000+	5	1.17000-	2	9.45000+	5	1.18000-	25002	3	3	760
9.50000+	5	1.19000-	2	9.55000+	5	1.21000-	2	9.60000+	5	1.22000-	25002	3	3	761
9.62000+	5	1.23000-	2	9.64000+	5	1.23000-	2	9.66000+	5	1.24000-	25002	3	3	762
9.68000+	5	1.24000-	2	9.70000+	5	1.25000-	2	9.72000+	5	1.25000-	25002	3	3	763
9.74000+	5	1.26000-	2	9.76000+	5	1.26000-	2	9.78000+	5	1.27000-	25002	3	3	764
9.80000+	5	1.26000-	2	9.82000+	5	1.26000-	2	9.84000+	5	1.27000-	25002	3	3	765
9.86000+	5	1.27000-	2	9.88000+	5	1.27000-	2	9.90000+	5	1.28000-	25002	3	3	766
9.92000+	5	1.28000-	2	9.94000+	5	1.28000-	2	9.96000+	5	1.29000-	25002	3	3	767
9.98000+	5	1.29000-	2	1.00000+	6	1.29000-	2	1.00200+	6	1.29000-	25002	3	3	768
1.00400+	6	1.30000-	2	1.00600+	6	1.31000-	2	1.00800+	6	1.31000-	25002	3	3	769
1.01000+	6	1.32000-	2	1.01200+	6	1.33000-	2	1.01400+	6	1.34000-	25002	3	3	770
1.01600+	6	1.35000-	2	1.01800+	6	1.35000-	2	1.02000+	6	1.36000-	25002	3	3	771
1.02200+	6	1.37000-	2	1.02400+	6	1.39000-	2	1.02600+	6	1.40000-	25002	3	3	772
1.02800+	6	1.42000-	2	1.03000+	6	1.43000-	2	1.03200+	6	1.45000-	25002	3	3	773
1.03400+	6	1.46000-	2	1.03600+	6	1.48000-	2	1.03800+	6	1.49000-	25002	3	3	774
1.04000+	6	1.51000-	2	1.04200+	6	1.52000-	2	1.04400+	6	1.53000-	25002	3	3	775
1.04600+	6	1.54000-	2	1.04800+	6	1.55000-	2	1.05000+	6	1.57000-	25002	3	3	776
1.05200+	6	1.58000-	2	1.05400+	6	1.59000-	2	1.05600+	6	1.60000-	25002	3	3	777
1.05800+	6	1.61000-	2	1.06000+	6	1.62000-	2	1.06200+	6	1.63000-	25002	3	3	778
1.06400+	6	1.64000-	2	1.06600+	6	1.65000-	2	1.06800+	6	1.67000-	25002	3	3	779
1.07000+	6	1.68000-	2	1.07200+	6	1.69000-	2	1.07400+	6	1.71000-	25002	3	3	780
1.07600+	6	1.72000-	2	1.07800+	6	1.73000-	2	1.08000+	6	1.75000-	25002	3	3	781
1.08500+	6	1.78000-	2	1.09000+	6	1.81000-	2	1.09500+	6	1.84000-	25002	3	3	782
1.10000+	6	1.87000-	2	1.11000+	6	1.93000-	2	1.12000+	6	1.98000-	25002	3	3	783
1.13000+	6	2.04000-	2	1.14000+	6	2.08000-	2	1.15000+	6	2.14000-	25002	3	3	784
1.16000+	6	2.19000-	2	1.17000+	6	2.23000-	2	1.18000+	6	2.28000-	25002	3	3	785
1.19000+	6	2.33000-	2	1.20000+	6	2.38000-	2	1.21000+	6	2.42000-	25002	3	3	786
1.22000+	5	2.46000-	2	1.23000+	6	2.51000-	2	1.24000+	6	2.55000-	25002	3	3	787
1.25000+	6	2.59000-	2	1.26000+	6	2.63000-	2	1.26200+	6	2.64000-	25002	3	3	788
1.26400+	6	2.65000-	2	1.26600+	6	2.66000-	2	1.26800+	6	2.66000-	25002	3	3	789
1.27000+	6	2.67000-	2	1.27200+	6	2.68000-	2	1.27400+	6	2.69000-	25002	3	3	790
1.27600+	6	2.69000-	2	1.27800+	6	2.70000-	2	1.28000+	6	2.71000-	25002	3	3	791
1.28200+	6	2.72000-	2	1.28400+	6	2.72000-	2	1.28600+	6	2.73000-	25002	3	3	792
1.28800+	6	2.73000-	2	1.29000+	6	2.74000-	2	1.29200+	6	2.75000-	25002	3	3	793
1.29400+	6	2.76000-	2	1.29600+	6	2.77000-	2	1.29800+	6	2.77000-	25002	3	3	794
1.30000+	6	2.78000-	2	1.30200+	6	2.79000-	2	1.30400+	6	2.80000-	25002	3	3	795
1.30600+	6	2.81000-	2	1.30800+	6	2.81000-	2	1.31000+	6	2.82000-	25002	3	3	796
1.31200+	6	2.83000-	2	1.31400+	6	2.84000-	2	1.31600+	6	2.85000-	25002	3	3	797
1.31800+	6	2.85000-	2	1.32000+	6	2.86000-	2	1.33000+	6	2.87000-	25002	3	3	798
1.34000+	6	2.90000-	2	1.35000+	6	2.93000-	2	1.36000+	6	2.96000-	25002	3	3	799
1.37000+	6	2.99000-	2	1.38000+	6	3.02000-	2	1.39000+	6	3.04000-	25002	3	3	800
1.40000+	6	3.07000-	2	1.42000+	6	3.13000-	2	1.44000+	6	3.13000-	25002	3	3	801
1.46000+	6	1.18800-	1	1.48000+	6	1.46800-	1	1.50000+	6	1.68400-	15002	3	3	802
1.52000+	6	1.89300-	1	1.54000+	6	2.05400-	1	1.56000+	6	2.20700-	15002	3	3	803
1.58000+	6	2.33600-	1	1.60000+	6	2.45700-	1	1.62000+	6	2.57000-	15002	3	3	804
1.64000+	6	2.68800-	1	1.66000+	6	2.74500-	1	1.68000+	6	2.81100-	15002	3	3	805
1.70000+	6	2.85900-	1	1.72000+	6	2.86500-	1	1.74000+	6	2.78900-	15002	3	3	806
1.76000+	6	2.77000-	1	1.78000+	6	2.70300-	1	1.80000+	6	2.65800-	15002	3	3	807

1.82000+	6	2.59800-	1	1.84000+	6	2.60000-	1	1.86000+	6	2.60100-	15002	3	3	808
1.88000+	6	2.61800-	1	1.90000+	6	2.68800-	1	1.92000+	6	2.79400-	15002	3	3	809
1.94000+	6	2.90400-	1	1.96000+	6	3.02300-	1	1.98000+	6	3.19800-	15002	3	3	810
2.00000+	6	3.46200-	1	2.02000+	6	3.76100-	1	2.04000+	6	3.99700-	15002	3	3	811
2.06000+	6	4.21200-	1	2.08000+	6	4.38100-	1	2.10000+	6	4.52900-	15002	3	3	812
2.12000+	6	4.64700-	1	2.14000+	6	4.77100-	1	2.16000+	6	4.85800-	15002	3	3	813
2.18000+	6	4.93000-	1	2.20000+	6	4.97700-	1	2.22000+	6	5.00700-	15002	3	3	814
2.24000+	6	5.01300-	1	2.26000+	6	4.99900-	1	2.28000+	6	4.97000-	15002	3	3	815
2.30000+	6	4.90900-	1	2.32000+	6	4.91000-	1	2.34000+	6	4.94100-	15002	3	3	816
2.36000+	6	4.97200-	1	2.38000+	6	5.05700-	1	2.40000+	6	5.15500-	15002	3	3	817
2.42000+	6	5.26800-	1	2.44000+	6	5.40500-	1	2.46000+	6	5.53300-	15002	3	3	818
2.48000+	6	5.68300-	1	2.50000+	6	5.82500-	1	2.52000+	6	5.99000-	15002	3	3	819
2.54000+	6	6.15300-	1	2.56000+	6	6.31700-	1	2.58000+	6	6.46300-	15002	3	3	820
2.60000+	6	6.51400-	1	2.62000+	6	6.52800-	1	2.64000+	6	6.50800-	15002	3	3	821
2.66000+	6	6.44300-	1	2.68000+	6	6.34400-	1	2.70000+	6	6.25200-	15002	3	3	822
2.72000+	6	6.24700-	1	2.74000+	6	6.25000-	1	2.76000+	6	6.26100-	15002	3	3	823
2.78000+	6	6.27000-	1	2.80000+	6	6.27900-	1	2.82000+	6	6.30200-	15002	3	3	824
2.84000+	6	6.31900-	1	2.86000+	6	6.34200-	1	2.88000+	6	6.35800-	15002	3	3	825
2.90000+	6	6.38300-	1	2.92000+	6	6.39200-	1	2.94000+	6	6.40000-	15002	3	3	826
2.96000+	6	6.42700-	1	2.98000+	6	6.42100-	1	3.00000+	6	6.43000-	15002	3	3	827
3.02000+	6	6.44700-	1	3.04000+	6	6.45600-	1	3.06000+	6	6.46200-	15002	3	3	828
3.08000+	6	6.47900-	1	3.10000+	6	6.48800-	1	3.12000+	6	6.49600-	15002	3	3	829
3.14000+	6	6.51000-	1	3.16000+	6	6.51100-	1	3.18000+	6	6.52100-	15002	3	3	830
3.20000+	6	6.54100-	1	3.25000+	6	6.55800-	1	3.30000+	6	6.57100-	15002	3	3	831
3.35000+	6	6.58600-	1	3.40000+	6	6.60700-	1	3.45000+	6	6.61800-	15002	3	3	832
3.50000+	6	6.62500-	1	3.55000+	6	6.63500-	1	3.60000+	6	6.64900-	15002	3	3	833
3.65000+	6	6.67100-	1	3.70000+	6	6.70100-	1	3.75000+	6	6.73100-	15002	3	3	834
3.80000+	6	6.75100-	1	3.85000+	6	6.77100-	1	3.90000+	6	6.78100-	15002	3	3	835
3.95000+	6	6.80100-	1	4.00000+	6	6.82100-	1	4.05000+	6	6.82000-	15002	3	3	836
4.10000+	6	6.82000-	1	4.15000+	6	6.82000-	1	4.20000+	6	6.82000-	15002	3	3	837
4.25000+	6	6.83000-	1	4.30000+	6	6.84000-	1	4.35000+	6	6.84000-	15002	3	3	838
4.40000+	6	6.84000-	1	4.45000+	6	6.84000-	1	4.50000+	6	6.84000-	15002	3	3	839
4.55000+	6	6.84000-	1	4.60000+	6	6.84000-	1	4.65000+	6	6.84000-	15002	3	3	840
4.70000+	6	6.84000-	1	4.75000+	6	6.85000-	1	4.80000+	6	6.85000-	15002	3	3	841
4.85000+	6	6.85000-	1	4.90000+	6	6.87000-	1	4.95000+	6	6.88000-	15002	3	3	842
5.00000+	6	6.90000-	1	5.05000+	6	6.92000-	1	5.10000+	6	6.94000-	15002	3	3	843
5.15000+	6	6.98000-	1	5.20000+	6	7.02000-	1	5.25000+	6	7.06000-	15002	3	3	844
5.30000+	6	7.01000-	1	5.35000+	6	7.14000-	1	5.40000+	6	7.18000-	15002	3	3	845
5.45000+	6	7.20000-	1	5.50000+	6	7.27000-	1	5.55000+	6	7.32000-	15002	3	3	846
5.60000+	6	7.37000-	1	5.65000+	6	7.41000-	1	5.70000+	6	7.48000-	15002	3	3	847
5.75000+	6	7.53000-	1	5.80000+	6	7.58000-	1	5.85000+	6	7.63000-	15002	3	3	848
5.90000+	6	7.68000-	1	5.95000+	6	7.73000-	1	6.00000+	6	7.78000-	15002	3	3	849
6.05000+	6	7.83000-	1	6.10000+	6	7.88000-	1	6.15000+	6	7.93000-	15002	3	3	850
6.20000+	6	7.98000-	1	6.25000+	6	8.03000-	1	6.30000+	6	8.08000-	15002	3	3	851
6.35000+	6	8.13000-	1	6.40000+	6	8.18000-	1	6.45000+	6	8.23000-	15002	3	3	852
6.50000+	6	8.28000-	1	6.55000+	6	8.33000-	1	6.60000+	6	8.38000-	15002	3	3	853
6.65000+	6	8.43000-	1	6.70000+	6	8.48000-	1	6.75000+	6	8.51000-	15002	3	3	854
6.80000+	6	8.54000-	1	6.85000+	6	8.58000-	1	6.90000+	6	8.63000-	15002	3	3	855
6.95000+	6	8.68000-	1	7.00000+	6	8.73000-	1	7.05000+	6	8.78000-	15002	3	3	856
7.10000+	6	8.82000-	1	7.15000+	6	8.87000-	1	7.20000+	6	8.92000-	15002	3	3	857
7.25000+	6	8.96000-	1	7.30000+	6	9.00000-	1	7.35000+	6	9.06000-	15002	3	3	858
7.40000+	6	9.08000-	1	7.45000+	6	9.12000-	1	7.50000+	6	9.17000-	15002	3	3	859
7.55000+	6	9.21000-	1	7.60000+	6	9.26000-	1	7.65000+	6	9.29000-	15002	3	3	860

7.70000+	6	9.32000-	1	7.75000+	6	9.36000-	1	7.80000+	6	9.40000-	15002	3	3	861
7.85000+	6	9.46000-	1	7.90000+	6	9.48000-	1	7.95000+	6	9.51000-	15002	3	3	862
8.00000+	6	9.53000-	1	8.05000+	6	9.56000-	1	8.10000+	6	9.59000-	15002	3	3	863
8.15000+	6	9.61000-	1	8.20000+	6	9.63000-	1	8.25000+	6	9.66000-	15002	3	3	864
8.30000+	6	9.68000-	1	8.35000+	6	9.70000-	1	8.40000+	6	9.71000-	15002	3	3	865
8.45000+	6	9.73000-	1	8.50000+	6	9.75000-	1	8.55000+	6	9.76000-	15002	3	3	866
8.60000+	6	9.77000-	1	8.65000+	6	9.78000-	1	8.70000+	6	9.79000-	15002	3	3	867
8.75000+	6	9.80000-	1	8.80000+	6	9.81000-	1	8.85000+	6	9.82000-	15002	3	3	868
8.90000+	6	9.83000-	1	8.95000+	6	9.84000-	1	9.00000+	6	9.85000-	15002	3	3	869
9.10000+	6	9.86000-	1	9.20000+	6	9.87000-	1	9.30000+	6	9.87000-	15002	3	3	870
9.40000+	6	9.88000-	1	9.50000+	6	9.88000-	1	9.60000+	6	9.89000-	15002	3	3	871
9.70000+	6	9.90000-	1	9.80000+	6	9.90000-	1	9.90000+	6	9.91000-	15002	3	3	872
1.00000+	7	9.91000-	1	1.01000+	7	9.92000-	1	1.02000+	7	9.93000-	15002	3	3	873
1.03000+	7	9.94000-	1	1.04000+	7	9.95000-	1	1.05000+	7	9.95000-	15002	3	3	874
1.06000+	7	9.96000-	1	1.07000+	7	9.96000-	1	1.08000+	7	9.97000-	15002	3	3	875
1.09000+	7	9.97000-	1	1.10000+	7	9.97000-	1	1.12000+	7	9.98000-	15002	3	3	876
1.14000+	7	9.98000-	1	1.16000+	7	9.98000-	1	1.18000+	7	9.98000-	15002	3	3	877
1.20000+	7	9.97000-	1	1.25000+	7	9.96000-	1	1.30000+	7	9.93000-	15002	3	3	878
1.35000+	7	9.89000-	1	1.40000+	7	9.86000-	1	1.45000+	7	9.81000-	15002	3	3	879
1.50000+	7	9.77000-	1	1.55000+	7	9.72000-	1	1.60000+	7	9.67000-	15002	3	3	880
1.65000+	7	9.59000-	1	1.70000+	7	9.49000-	1	1.75000+	7	9.38000-	15002	3	3	881
1.80000+	7	9.26000-	1	1.85000+	7	9.14000-	1	1.90000+	7	9.02000-	15002	3	3	882
1.95000+	7	8.89000-	1	2.00000+	7	8.76000-	1			5002	3	3	883	
***** FIRST ENERGY IN CROSS SECTION TABLE SHOULD BE LESS THAN OR EQUAL TO 1.0E-5 EV. *****											5002	3	0	884
1.20240+	4	2.41030+	1	0	99	0	0	05002	3	4	885			
0.00000+	0	5.84000+	5	0	0	0	1	4615002	3	4	886			
	461		5					5002	3	4	887			
6.08230+	5	1.00000-	20	6.10000+	5	1.00000-	20	6.15000+	5	1.00000-	45002	3	4	888
6.20000+	5	1.60000-	4	6.25000+	5	3.60000-	4	6.30000+	5	5.60000-	45002	3	4	889
6.32000+	5	6.40000-	4	6.34000+	5	7.20000-	4	6.36000+	5	8.00000-	45002	3	4	890
6.38000+	5	8.80000-	4	6.40000+	5	9.70000-	4	6.42000+	5	1.06000-	35002	3	4	891
6.44000+	5	1.14000-	3	6.46000+	5	1.22000-	3	6.48000+	5	1.30000-	35002	3	4	892
6.50000+	5	1.38000-	3	6.52000+	5	1.46000-	3	6.54000+	5	1.54000-	35002	3	4	893
6.56000+	5	1.62000-	3	6.58000+	5	1.70000-	3	6.60000+	5	1.78000-	35002	3	4	894
6.62000+	5	1.86000-	3	6.64000+	5	1.94000-	3	6.66000+	5	2.01000-	35002	3	4	895
6.68000+	5	2.08000-	3	6.70000+	5	2.15000-	3	6.75000+	5	2.35000-	35002	3	4	896
6.80000+	5	2.55000-	3	6.85000+	5	2.75000-	3	6.90000+	5	2.94000-	35002	3	4	897
6.95000+	5	3.14000-	3	7.00000+	5	3.34000-	3	7.05000+	5	3.52000-	35002	3	4	898
7.10000+	5	3.70000-	3	7.15000+	5	3.89000-	3	7.20000+	5	4.08000-	35002	3	4	899
7.25000+	5	4.27000-	3	7.30000+	5	4.46000-	3	7.35000+	5	4.64000-	35002	3	4	900
7.40000+	5	4.82000-	3	7.45000+	5	5.03000-	3	7.50000+	5	5.23000-	35002	3	4	901
7.55000+	5	5.43000-	3	7.60000+	5	5.64000-	3	7.65000+	5	5.79000-	35002	3	4	902
7.70000+	5	5.94000-	3	7.75000+	5	6.10000-	3	7.80000+	5	6.25000-	35002	3	4	903
7.85000+	5	6.35000-	3	7.90000+	5	6.46000-	3	7.95000+	5	6.56000-	35002	3	4	904
8.00000+	5	6.87000-	3	8.05000+	5	7.03000-	3	8.10000+	5	7.20000-	35002	3	4	905
8.15000+	5	7.37000-	3	8.20000+	5	7.53000-	3	8.25000+	5	7.68000-	35002	3	4	906
8.30000+	5	7.83000-	3	8.32000+	5	7.89000-	3	8.34000+	5	7.95000-	35002	3	4	907
8.36000+	5	8.01000-	3	8.38000+	5	8.07000-	3	8.40000+	5	8.13000-	35002	3	4	908
8.42000+	5	8.20000-	3	8.44000+	5	8.25000-	3	8.46000+	5	8.30000-	35002	3	4	909
8.48000+	5	8.40000-	3	8.50000+	5	8.50000-	3	8.52000+	5	8.55000-	35002	3	4	910
8.54000+	5	8.60000-	3	8.56000+	5	8.70000-	3	8.58000+	5	8.75000-	35002	3	4	911
8.60000+	5	8.80000-	3	8.62000+	5	8.90000-	3	8.64000+	5	8.95000-	35002	3	4	912

8.66000+	5	9.00000-	3	8.68000+	5	9.10000-	3	8.70000+	5	9.20000-	35002	3	4	913
8.75000+	5	9.30000-	3	8.80000+	5	9.40000-	3	8.85000+	5	9.50000-	35002	3	4	914
8.90000+	5	9.60000-	3	8.95000+	5	9.80000-	3	9.00000+	5	9.90000-	35002	3	4	915
9.05000+	5	1.00000-	2	9.10000+	5	1.01000-	2	9.15000+	5	1.03000-	25002	3	4	916
9.20000+	5	1.04000-	2	9.25000+	5	1.05000-	2	9.30000+	5	1.06000-	25002	3	4	917
9.35000+	5	1.08000-	2	9.40000+	5	1.09000-	2	9.45000+	5	1.10000-	25002	3	4	918
9.50000+	5	1.11000-	2	9.55000+	5	1.13000-	2	9.60000+	5	1.14000-	25002	3	4	919
9.62000+	5	1.15000-	2	9.64000+	5	1.15000-	2	9.66000+	5	1.16000-	25002	3	4	920
9.68000+	5	1.16000-	2	9.70000+	5	1.17000-	2	9.72000+	5	1.17000-	25002	3	4	921
9.74000+	5	1.18000-	2	9.76000+	5	1.18000-	2	9.78000+	5	1.19000-	25002	3	4	922
9.80000+	5	1.19000-	2	9.82000+	5	1.19000-	2	9.84000+	5	1.20000-	25002	3	4	923
9.86000+	5	1.20000-	2	9.88000+	5	1.20000-	2	9.90000+	5	1.21000-	25002	3	4	924
9.92000+	5	1.21000-	2	9.94000+	5	1.21000-	2	9.96000+	5	1.22000-	25002	3	4	925
9.98000+	5	1.22000-	2	1.00000+	6	1.22000-	2	1.00200+	6	1.22000-	25002	3	4	926
1.00400+	6	1.23000-	2	1.00600+	6	1.24000-	2	1.00800+	6	1.24000-	25002	3	4	927
1.01000+	6	1.25000-	2	1.01200+	6	1.26000-	2	1.01400+	6	1.27000-	25002	3	4	928
1.01600+	6	1.28000-	2	1.01800+	6	1.28000-	2	1.02000+	6	1.29000-	25002	3	4	929
1.02200+	6	1.30000-	2	1.02400+	6	1.32000-	2	1.02600+	6	1.33000-	25002	3	4	930
1.02800+	6	1.35000-	2	1.03000+	6	1.36000-	2	1.03200+	6	1.38000-	25002	3	4	931
1.03400+	6	1.39000-	2	1.03600+	6	1.41000-	2	1.03800+	6	1.42000-	25002	3	4	932
1.04000+	6	1.44000-	2	1.04200+	6	1.45000-	2	1.04400+	6	1.46000-	25002	3	4	933
1.04600+	6	1.47000-	2	1.04800+	6	1.48000-	2	1.05000+	6	1.50000-	25002	3	4	934
1.05200+	6	1.51000-	2	1.05400+	6	1.52000-	2	1.05600+	6	1.53000-	25002	3	4	935
1.05800+	6	1.54000-	2	1.06000+	6	1.55000-	2	1.06200+	6	1.56000-	25002	3	4	936
1.06400+	6	1.57000-	2	1.06600+	6	1.58000-	2	1.06800+	6	1.60000-	25002	3	4	937
1.07000+	6	1.61000-	2	1.07200+	6	1.62000-	2	1.07400+	6	1.64000-	25002	3	4	938
1.07600+	6	1.65000-	2	1.07800+	6	1.66000-	2	1.08000+	6	1.68000-	25002	3	4	939
1.08500+	6	1.71000-	2	1.09000+	6	1.74000-	2	1.09500+	6	1.77000-	25002	3	4	940
1.10000+	6	1.80000-	2	1.11000+	6	1.86000-	2	1.12000+	6	1.91000-	25002	3	4	941
1.13000+	6	1.97000-	2	1.14000+	6	2.02000-	2	1.15000+	6	2.08000-	25002	3	4	942
1.16000+	6	2.13000-	2	1.17000+	6	2.17000-	2	1.18000+	6	2.22000-	25002	3	4	943
1.19000+	6	2.27000-	2	1.20000+	6	2.32000-	2	1.21000+	6	2.36000-	25002	3	4	944
1.22000+	6	2.40000-	2	1.23000+	6	2.45000-	2	1.24000+	6	2.49000-	25002	3	4	945
1.25000+	6	2.53000-	2	1.26000+	6	2.57000-	2	1.26200+	6	2.58000-	25002	3	4	946
1.26400+	6	2.59000-	2	1.26600+	6	2.60000-	2	1.26800+	6	2.60000-	25002	3	4	947
1.27000+	6	2.61000-	2	1.27200+	6	2.62000-	2	1.27400+	6	2.63000-	25002	3	4	948
1.27600+	6	2.63000-	2	1.27800+	6	2.64000-	2	1.28000+	6	2.65000-	25002	3	4	949
1.28200+	6	2.66000-	2	1.28400+	6	2.66000-	2	1.28600+	6	2.67000-	25002	3	4	950
1.28800+	6	2.67000-	2	1.29000+	6	2.68000-	2	1.29200+	6	2.69000-	25002	3	4	951
1.29400+	6	2.70000-	2	1.29600+	6	2.71000-	2	1.29800+	6	2.71000-	25002	3	4	952
1.30000+	6	2.72000-	2	1.30200+	6	2.73000-	2	1.30400+	6	2.74000-	25002	3	4	953
1.30600+	6	2.75000-	2	1.30800+	6	2.75000-	2	1.31000+	6	2.76000-	25002	3	4	954
1.31200+	6	2.77000-	2	1.31400+	6	2.78000-	2	1.31600+	6	2.79000-	25002	3	4	955
1.31800+	6	2.79000-	2	1.32000+	6	2.80000-	2	1.33000+	6	2.82000-	25002	3	4	956
1.34000+	6	2.85000-	2	1.35000+	6	2.88000-	2	1.36000+	6	2.91000-	25002	3	4	957
1.37000+	6	2.94000-	2	1.38000+	6	2.97000-	2	1.39000+	6	2.99000-	25002	3	4	958
1.40000+	6	3.02000-	2	1.42000+	6	3.08000-	2	1.44000+	6	3.08000-	25002	3	4	959
1.46000+	6	1.18300-	1	1.48000+	6	1.46300-	1	1.50000+	6	1.67900-	15002	3	4	960
1.52000+	6	1.88800-	1	1.54000+	6	2.05000-	1	1.56000+	6	2.20300-	15002	3	4	961
1.58000+	6	2.33200-	1	1.60000+	6	2.45300-	1	1.62000+	6	2.56600-	15002	3	4	962
1.64000+	6	2.68500-	1	1.66000+	6	2.74200-	1	1.68000+	6	2.80800-	15002	3	4	963
1.70000+	6	2.85600-	1	1.72000+	6	2.86200-	1	1.74000+	6	2.78700-	15002	3	4	964
1.76000+	6	2.76800-	1	1.78000+	6	2.70100-	1	1.80000+	6	2.65600-	15002	3	4	965



1.82000+	6	2.59600-	1	1.84000+	6	2.59800-	1	1.86000+	6	2.59900-	15002	3	4	966
1.88000+	6	2.61600-	1	1.90000+	6	2.68600-	1	1.92000+	6	2.79200-	15002	3	4	967
1.94000+	6	2.90200-	1	1.96000+	6	3.02100-	1	1.98000+	6	3.18700-	15002	3	4	968
2.00000+	6	3.46100-	1	2.02000+	6	3.76000-	1	2.04000+	6	3.99600-	15002	3	4	969
2.06000+	6	4.21100-	1	2.08000+	6	4.38000-	1	2.10000+	6	4.52800-	15002	3	4	970
2.12000+	6	4.64600-	1	2.14000+	6	4.77000-	1	2.16000+	6	4.85700-	15002	3	4	971
2.18000+	6	4.92900-	1	2.20000+	6	4.97600-	1	2.22000+	6	5.00600-	15002	3	4	972
2.24000+	6	5.01200-	1	2.26000+	6	4.99800-	1	2.28000+	6	4.96900-	15002	3	4	973
2.30000+	6	4.90800-	1	2.32000+	6	4.90900-	1	2.34000+	6	4.94000-	15002	3	4	974
2.36000+	6	4.97100-	1	2.38000+	6	5.05600-	1	2.40000+	6	5.15400-	15002	3	4	975
2.42000+	6	5.26700-	1	2.44000+	6	5.40400-	1	2.46000+	6	5.53200-	15002	3	4	976
2.48000+	6	5.68200-	1	2.50000+	6	5.82400-	1	2.52000+	6	5.98900-	15002	3	4	977
2.54000+	6	6.15200-	1	2.56000+	6	6.31600-	1	2.58000+	6	6.46200-	15002	3	4	978
2.60000+	6	6.51300-	1	2.62000+	6	6.52700-	1	2.64000+	6	6.50700-	15002	3	4	979
2.66000+	6	6.44200-	1	2.68000+	6	6.34300-	1	2.70000+	6	6.25100-	15002	3	4	980
2.72000+	6	6.24600-	1	2.74000+	6	6.24900-	1	2.76000+	6	6.26000-	15002	3	4	981
2.78000+	6	6.26900-	1	2.80000+	6	6.27800-	1	2.82000+	6	6.30100-	15002	3	4	982
2.84000+	6	6.31800-	1	2.86000+	6	6.34100-	1	2.88000+	6	6.35700-	15002	3	4	983
2.90000+	6	6.38200-	1	2.92000+	6	6.39100-	1	2.94000+	6	6.39900-	15002	3	4	984
2.96000+	6	6.42600-	1	2.98000+	6	6.42000-	1	3.00000+	6	6.42900-	15002	3	4	985
3.02000+	6	6.44600-	1	3.04000+	6	6.45500-	1	3.06000+	6	6.46100-	15002	3	4	986
3.08000+	6	6.47800-	1	3.10000+	6	6.48700-	1	3.12000+	6	6.49500-	15002	3	4	987
3.14000+	6	6.50900-	1	3.16000+	6	6.51000-	1	3.18000+	6	6.52000-	15002	3	4	988
3.20000+	6	6.54000-	1	3.25000+	6	6.55700-	1	3.30000+	6	6.57000-	15002	3	4	989
3.26000+	6	6.58500-	1	3.40000+	6	6.60600-	1	3.45000+	6	6.61700-	15002	3	4	990
3.32000+	6	6.62400-	1	3.55000+	6	6.63400-	1	3.60000+	6	6.64800-	15002	3	4	991
3.38000+	6	6.67000-	1	3.70000+	6	6.70000-	1	3.75000+	6	6.73000-	15002	3	4	992
3.44000+	6	6.75000-	1	3.85000+	6	6.77000-	1	3.90000+	6	6.78000-	15002	3	4	993
3.50000+	6	6.80000-	1	4.00000+	6	6.82000-	1	4.05000+	6	6.82000-	15002	3	4	994
3.56000+	6	6.82000-	1	4.15000+	6	6.82000-	1	4.20000+	6	6.82000-	15002	3	4	995
3.62000+	6	6.83000-	1	4.30000+	6	6.84000-	1	4.35000+	6	6.84000-	15002	3	4	996
3.68000+	6	6.84000-	1	4.45000+	6	6.84000-	1	4.50000+	6	6.84000-	15002	3	4	997
3.74000+	6	6.84000-	1	4.60000+	6	6.84000-	1	4.65000+	6	6.84000-	15002	3	4	998
3.80000+	6	6.84000-	1	4.75000+	6	6.85000-	1	4.80000+	6	6.85000-	15002	3	4	999
3.86000+	6	6.85000-	1	4.90000+	6	6.87000-	1	4.95000+	6	6.88000-	15002	3	4	1000
3.92000+	6	6.90000-	1	5.05000+	6	6.92000-	1	5.10000+	6	6.94000-	15002	3	4	1001
3.98000+	6	6.98000-	1	5.20000+	6	7.01900-	1	5.25000+	6	7.05900-	15002	3	4	1002
4.04000+	6	7.00900-	1	5.35000+	6	7.13900-	1	5.40000+	6	7.17800-	15002	3	4	1003
4.10000+	6	7.19600-	1	5.50000+	6	7.26400-	1	5.55000+	6	7.31100-	15002	3	4	1004
4.16000+	6	7.35700-	1	5.65000+	6	7.39400-	1	5.70000+	6	7.46100-	15002	3	4	1005
4.22000+	6	7.50800-	1	5.80000+	6	7.55400-	1	5.85000+	6	7.59800-	15002	3	4	1006
4.28000+	6	7.64100-	1	5.95000+	6	7.68200-	1	6.00000+	6	7.72300-	15002	3	4	1007
4.34000+	6	7.76400-	1	6.10000+	6	7.80400-	1	6.15000+	6	7.84100-	15002	3	4	1008
4.40000+	6	7.87700-	1	6.25000+	6	7.90900-	1	6.30000+	6	7.94000-	15002	3	4	1009
4.46000+	6	7.96400-	1	6.40000+	6	7.98400-	1	6.45000+	6	7.99300-	15002	3	4	1010
4.52000+	6	7.99200-	1	6.55000+	6	7.98300-	1	6.60000+	6	7.96800-	15002	3	4	1011
4.58000+	6	7.95600-	1	6.70000+	6	7.98400-	1	6.75000+	6	8.01200-	15002	3	4	1012
4.64000+	6	8.04700-	1	6.85000+	6	8.08400-	1	6.90000+	6	8.13300-	15002	3	4	1013
4.70000+	6	8.17400-	1	7.00000+	6	8.23600-	1	7.05000+	6	8.26800-	15002	3	4	1014
4.76000+	6	8.26600-	1	7.15000+	6	8.24900-	1	7.20000+	6	8.23600-	15002	3	4	1015
4.82000+	6	8.27100-	1	7.30000+	6	8.31500-	1	7.35000+	6	8.39600-	15002	3	4	1016
4.88000+	6	8.42100-	1	7.45000+	6	8.43000-	1	7.50000+	6	8.41300-	15002	3	4	1017
4.94000+	6	8.33600-	1	7.60000+	6	8.30500-	1	7.65000+	6	8.25200-	15002	3	4	1018

7.70000+	6	8.21500-	1	7.75000+	6	8.21200-	1	7.80000+	6	8.20000-	15002	3	4	1019
7.85000+	6	8.22500-	1	7.90000+	6	8.20900-	1	7.95000+	6	8.20300-	15002	3	4	1020
8.00000+	6	8.19100-	1	8.05000+	6	8.18800-	1	8.10000+	6	8.19000-	15002	3	4	1021
8.15000+	6	8.18400-	1	8.20000+	6	8.18200-	1	8.25000+	6	8.19300-	15002	3	4	1022
8.30000+	6	8.17900-	1	8.35000+	6	8.17800-	1	8.40000+	6	8.16200-	15002	3	4	1023
8.45000+	6	8.15500-	1	8.50000+	6	8.14900-	1	8.55000+	6	8.13700-	15002	3	4	1024
8.60000+	6	8.12700-	1	8.65000+	6	8.11500-	1	8.70000+	6	8.10400-	15002	3	4	1025
8.75000+	6	8.08800-	1	8.80000+	6	8.07400-	1	8.85000+	6	8.05900-	15002	3	4	1026
8.90000+	6	8.04600-	1	8.95000+	6	8.03700-	1	9.00000+	6	8.02800-	15002	3	4	1027
9.10000+	6	7.99200-	1	9.20000+	6	7.96100-	1	9.30000+	6	7.90800-	15002	3	4	1028
9.40000+	6	7.86600-	1	9.50000+	6	7.81200-	1	9.60000+	6	7.76500-	15002	3	4	1029
9.70000+	6	7.70400-	1	9.80000+	6	7.64300-	1	9.90000+	6	7.58400-	15002	3	4	1030
1.00000+	7	7.51000-	1	1.01000+	7	7.44300-	1	1.02000+	7	7.36000-	15002	3	4	1031
1.03000+	7	7.29500-	1	1.04000+	7	7.21400-	1	1.05000+	7	7.13900-	15002	3	4	1032
1.06000+	7	7.13400-	1	1.07000+	7	7.21100-	1	1.08000+	7	7.24000-	15002	3	4	1033
1.09000+	7	7.16800-	1	1.10000+	7	7.04400-	1	1.12000+	7	6.89000-	15002	3	4	1034
1.14000+	7	6.80000-	1	1.16000+	7	6.71400-	1	1.18000+	7	6.61400-	15002	3	4	1035
1.20000+	7	6.48700-	1	1.25000+	7	6.12600-	1	1.30000+	7	5.93500-	15002	3	4	1036
1.35000+	7	5.78300-	1	1.40000+	7	5.68500-	1	1.45000+	7	5.58900-	15002	3	4	1037
1.50000+	7	5.51900-	1	1.55000+	7	5.41400-	1	1.60000+	7	5.40500-	15002	3	4	1038
1.65000+	7	5.33000-	1	1.70000+	7	5.25500-	1	1.75000+	7	5.03500-	15002	3	4	1039
1.80000+	7	4.91000-	1	1.85000+	7	4.80200-	1	1.90000+	7	4.72300-	15002	3	4	1040
1.95000+	7	4.64100-	1	2.00000+	7	4.55300-	1				5002	3	4	1041
											5002	3	0	1042
1.20240+	4	2.41030+	1		0		99		0		05002	3	5	1043
0.00000+	0	-5.84000+	5		0		0		1		1475002	3	5	1044
		147	5								5002	3	5	1045
6.08230+	5	1.00000-	20	6.20000+	5	1.60000-	4	6.40000+	5	9.70000-	45002	3	5	1046
6.60000+	5	1.78000-	3	6.80000+	5	2.55000-	3	7.00000+	5	3.34000-	35002	3	5	1047
7.20000+	5	4.08000-	3	7.40000+	5	4.82000-	3	7.60000+	5	5.64000-	35002	3	5	1048
7.80000+	5	6.25000-	3	8.00000+	5	6.87000-	3	8.20000+	5	7.53000-	35002	3	5	1049
8.40000+	5	8.13000-	3	8.60000+	5	8.75000-	3	8.80000+	5	9.35000-	35002	3	5	1050
9.00000+	5	9.90000-	3	9.20000+	5	1.04100-	2	9.40000+	5	1.09000-	25002	3	5	1051
9.60000+	5	1.13700-	2	9.80000+	5	1.18700-	2	1.00000+	6	1.22400-	25002	3	5	1052
1.02000+	6	1.25400-	2	1.04000+	6	1.28800-	2	1.06000+	6	1.31000-	25002	3	5	1053
1.08000+	6	1.33100-	2	1.10000+	6	1.34900-	2	1.12000+	6	1.36600-	25002	3	5	1054
1.14000+	6	1.37800-	2	1.16000+	6	1.38800-	2	1.18000+	6	1.39300-	25002	3	5	1055
1.20000+	6	1.39800-	2	1.22000+	6	1.40000-	2	1.24000+	6	1.40300-	25002	3	5	1056
1.26000+	6	1.40300-	2	1.28000+	6	1.40300-	2	1.30000+	6	1.40000-	25002	3	5	1057
1.32000+	6	1.39800-	2	1.34000+	6	1.39300-	2	1.36000+	6	1.38300-	25002	3	5	1058
1.38000+	6	1.37800-	2	1.40000+	6	1.37200-	2	1.42000+	6	1.36700-	25002	3	5	1059
1.44000+	6	1.35700-	2	1.46000+	6	1.35200-	2	1.48000+	6	1.34700-	25002	3	5	1060
1.50000+	6	1.33200-	2	1.52000+	6	1.32700-	2	1.54000+	6	1.32200-	25002	3	5	1061
1.56000+	6	1.31700-	2	1.58000+	6	1.30700-	2	1.60000+	6	1.29700-	25002	3	5	1062
1.62000+	6	1.28700-	2	1.64000+	6	1.27600-	2	1.66000+	6	1.27100-	25002	3	5	1063
1.68000+	6	1.26500-	2	1.70000+	6	1.26100-	2	1.72000+	6	1.25100-	25002	3	5	1064
1.74000+	6	1.24100-	2	1.76000+	6	1.23100-	2	1.78000+	6	1.22600-	25002	3	5	1065
1.80000+	6	1.21600-	2	1.82000+	6	1.21100-	2	1.84000+	6	1.20000-	25002	3	5	1066
1.86000+	6	1.19000-	2	1.88000+	6	1.18000-	2	1.90000+	6	1.17000-	25002	3	5	1067
1.92000+	6	1.16000-	2	1.94000+	6	1.15000-	2	1.96000+	6	1.14000-	25002	3	5	1068
1.98000+	6	1.12900-	2	2.00000+	6	1.11900-	2	2.02000+	6	1.10900-	25002	3	5	1069
2.04000+	6	1.09900-	2	2.06000+	6	1.08900-	2	2.08000+	6	1.07900-	25002	3	5	1070
2.10000+	6	1.06900-	2	2.12000+	6	1.05800-	2	2.14000+	6	1.04800-	25002	3	5	1071

2.16000+	6	1.03800-	2	2.18000+	6	1.02800-	2	2.20000+	6	1.01800-	25002	3	5	1072
2.22000+	6	1.00800-	2	2.24000+	6	0.98000-	3	2.26000+	6	0.98000-	35002	3	5	1073
2.28000+	6	0.97800-	3	2.30000+	6	0.96700-	3	2.32000+	6	0.95700-	35002	3	5	1074
2.34000+	6	0.94200-	3	2.36000+	6	0.93200-	3	2.38000+	6	0.92200-	35002	3	5	1075
2.40000+	6	0.91100-	3	2.42000+	6	0.90200-	3	2.44000+	6	0.89100-	35002	3	5	1076
2.46000+	6	0.88100-	3	2.48000+	6	0.87100-	3	2.50000+	6	0.86600-	35002	3	5	1077
2.52000+	6	0.85700-	3	2.54000+	6	0.84600-	3	2.56000+	6	0.83600-	35002	3	5	1078
2.58000+	6	0.82600-	3	2.60000+	6	0.81500-	3	2.62000+	6	0.80500-	35002	3	5	1079
2.64000+	6	0.80000-	3	2.66000+	6	0.79000-	3	2.68000+	6	0.78000-	35002	3	5	1080
2.70000+	6	0.77000-	3	2.72000+	6	0.76000-	3	2.74000+	6	0.75000-	35002	3	5	1081
2.76000+	6	0.74400-	3	2.78000+	6	0.73400-	3	2.80000+	6	0.72400-	35002	3	5	1082
2.82000+	6	0.71400-	3	2.84000+	6	0.70400-	3	2.86000+	6	0.69400-	35002	3	5	1083
2.88000+	6	0.68900-	3	2.90000+	6	0.67900-	3	2.92000+	6	0.66800-	35002	3	5	1084
2.94000+	6	0.65800-	3	2.96000+	6	0.64800-	3	2.98000+	6	0.64300-	35002	3	5	1085
3.00000+	6	0.63300-	3	3.02000+	6	0.62300-	3	3.04000+	6	0.61300-	35002	3	5	1086
3.06000+	6	0.60300-	3	3.08000+	6	0.59800-	3	3.10000+	6	0.58800-	35002	3	5	1087
3.12000+	6	0.57700-	3	3.14000+	6	0.57200-	3	3.16000+	6	0.56200-	35002	3	5	1088
3.18000+	6	0.55200-	3	3.20000+	6	0.54200-	3	3.25000+	6	0.52200-	35002	3	5	1089
3.30000+	6	0.49600-	3	3.35000+	6	0.48100-	3	3.40000+	6	0.46100-	35002	3	5	1090
3.45000+	6	0.44600-	3	3.50000+	6	0.42500-	3	3.55000+	6	0.41000-	35002	3	5	1091
3.60000+	6	0.39000-	3	3.65000+	6	0.37900-	3	3.70000+	6	0.36500-	35002	3	5	1092
3.75000+	6	0.34900-	3	3.80000+	6	0.33800-	3	3.85000+	6	0.32900-	35002	3	5	1093
3.90000+	6	0.32400-	3	3.95000+	6	0.32200-	3	4.00000+	6	0.31900-	35002	3	5	1094
											5002	3	0	1095
1.20240+	4	2.41030+	1			0	99			0	05002	3	6	1096
0.00000+	0-9	0.76000+	5			0	0			1	1275002	3	6	1097
	127		5								5002	3	6	1098
1.01650+	6	1.00000-	20	1.02000+	6	0.90400-	4	1.04000+	6	1.52000-	35002	3	6	1099
1.06000+	6	2.43000-	3	1.08000+	6	0.34400-	3	1.10000+	6	4.46000-	35002	3	6	1100
1.12000+	6	5.47000-	3	1.14000+	6	6.38000-	3	1.16000+	6	7.39000-	35002	3	6	1101
1.18000+	6	8.31000-	3	1.20000+	6	9.22000-	3	1.22000+	6	1.00300-	25002	3	6	1102
1.24000+	6	1.08400-	2	1.26000+	6	1.16500-	2	1.28000+	6	1.24600-	25002	3	6	1103
1.30000+	6	1.31700-	2	1.32000+	6	1.39800-	2	1.34000+	6	1.45900-	25002	3	6	1104
1.36000+	6	1.53000-	2	1.38000+	6	1.59000-	2	1.40000+	6	1.65100-	25002	3	6	1105
1.42000+	6	1.71200-	2	1.44000+	6	1.76300-	2	1.46000+	6	1.82300-	25002	3	6	1106
1.48000+	6	1.87400-	2	1.50000+	6	1.91700-	2	1.52000+	6	1.97000-	25002	3	6	1107
1.54000+	6	2.01600-	2	1.56000+	6	2.06100-	2	1.58000+	6	2.10200-	25002	3	6	1108
1.60000+	6	2.13700-	2	1.62000+	6	2.17800-	2	1.64000+	6	2.20300-	25002	3	6	1109
1.66000+	6	2.22900-	2	1.68000+	6	2.24400-	2	1.70000+	6	2.26400-	25002	3	6	1110
1.72000+	6	2.27900-	2	1.74000+	6	2.28900-	2	1.76000+	6	2.30000-	25002	3	6	1111
1.78000+	6	2.31000-	2	1.80000+	6	2.31500-	2	1.82000+	6	2.32000-	25002	3	6	1112
1.84000+	6	2.32500-	2	1.86000+	6	2.32500-	2	1.88000+	6	2.32500-	25002	3	6	1113
1.90000+	6	2.32500-	2	1.92000+	6	2.32000-	2	1.94000+	6	2.31500-	25002	3	6	1114
1.96000+	6	2.30500-	2	1.98000+	6	2.29400-	2	2.00000+	6	2.28900-	25002	3	6	1115
2.02000+	6	2.27400-	2	2.04000+	6	2.25900-	2	2.06000+	6	2.24300-	25002	3	6	1116
2.08000+	6	2.22400-	2	2.10000+	6	2.20900-	2	2.12000+	6	2.19300-	25002	3	6	1117
2.14000+	6	2.17300-	2	2.16000+	6	2.15300-	2	2.18000+	6	2.13700-	25002	3	6	1118
2.20000+	6	2.11700-	2	2.22000+	6	2.09700-	2	2.24000+	6	2.08200-	25002	3	6	1119
2.26000+	6	2.06100-	2	2.28000+	6	2.04100-	2	2.30000+	6	2.02100-	25002	3	6	1120
2.32000+	6	2.00600-	2	2.34000+	6	1.98500-	2	2.36000+	6	1.97000-	25002	3	6	1121
2.38000+	6	1.95000-	2	2.40000+	6	1.93000-	2	2.42000+	6	1.91400-	25002	3	6	1122
2.44000+	6	1.89400-	2	2.46000+	6	1.87900-	2	2.48000+	6	1.86400-	25002	3	6	1123
2.50000+	6	1.83900-	2	2.52000+	6	1.82300-	2	2.54000+	6	1.80800-	25002	3	6	1124

2.50000+	6	1.78000-	2	2.58000+	6	1.77300-	2	2.00000+	6	1.75200-	25002	3	6	1125
2.62000+	6	1.73700-	2	2.64000+	6	1.71700-	2	2.66000+	6	1.70200-	25002	3	6	1126
2.68000+	6	1.68700-	2	2.70000+	6	1.66100-	2	2.72000+	6	1.64100-	25002	3	6	1127
2.74000+	6	1.62000-	2	2.76000+	6	1.60600-	2	2.78000+	6	1.59000-	25002	3	6	1128
2.80000+	6	1.57000-	2	2.82000+	6	1.55000-	2	2.84000+	6	1.53500-	25002	3	6	1129
2.86000+	6	1.51400-	2	2.88000+	6	1.49900-	2	2.90000+	6	1.47900-	25002	3	6	1130
2.92000+	6	1.46400-	2	2.94000+	6	1.44900-	2	2.96000+	6	1.43300-	25002	3	6	1131
2.98000+	6	1.41300-	2	3.00000+	6	1.39800-	2	3.02000+	6	1.37800-	25002	3	6	1132
3.04000+	6	1.36200-	2	3.06000+	6	1.34700-	2	3.08000+	6	1.32700-	25002	3	6	1133
3.10000+	6	1.31200-	2	3.12000+	6	1.29700-	2	3.14000+	6	1.28100-	25002	3	6	1134
3.16000+	6	1.26600-	2	3.18000+	6	1.25100-	2	3.20000+	6	1.23600-	25002	3	6	1135
3.25000+	6	1.20000-	2	3.30000+	6	1.16000-	2	3.35000+	6	1.12400-	25002	3	6	1136
3.40000+	6	1.08900-	2	3.45000+	6	1.05400-	2	3.50000+	6	1.02300-	25002	3	6	1137
3.55000+	6	9.93000-	3	3.60000+	6	9.62000-	3	3.65000+	6	9.37000-	35002	3	6	1138
3.70000+	6	9.07000-	3	3.75000+	6	8.75000-	3	3.80000+	6	8.61000-	35002	3	6	1139
3.85000+	6	8.46000-	3	3.90000+	6	8.31000-	3	3.95000+	6	8.15000-	35002	3	6	1140
4.00000+	6	8.00000-	3								5002	3	6	1141
											5002	3	0	1142
1.20240+	4	2.41030+	1		0		99		0		05002	3	7	1143
0.00000+	0	-1.36800+	6		0		0		1		2375002,	3	7	1144
	237		5								5002	3	7	1145
1.42500+	6	1.00000-	20	1.44000+	6	4.95800-	2	1.46000+	6	8.65700-	25002	3	7	1146
1.48000+	6	1.14120-	1	1.50000+	6	1.35360-	1	1.52000+	6	1.55820-	15002	3	7	1147
1.54000+	6	1.71570-	1	1.56000+	6	1.86520-	1	1.58000+	6	1.99110-	15002	3	7	1148
1.60000+	6	2.10910-	1	1.62000+	6	2.21930-	1	1.64000+	6	2.33740-	15002	3	7	1149
1.66000+	6	2.39240-	1	1.68000+	6	2.45540-	1	1.70000+	6	2.48690-	15002	3	7	1150
1.72000+	6	2.47910-	1	1.74000+	6	2.39250-	1	1.76000+	6	2.36100-	15002	3	7	1151
1.78000+	6	2.28230-	1	1.80000+	6	2.22720-	1	1.82000+	6	2.15640-	15002	3	7	1152
1.84000+	6	2.14850-	1	1.86000+	6	2.14060-	1	1.88000+	6	2.14850-	15002	3	7	1153
1.90000+	6	2.18000-	1	1.92000+	6	2.23500-	1	1.94000+	6	2.29800-	15002	3	7	1154
1.96000+	6	2.37670-	1	1.98000+	6	2.50270-	1	2.00000+	6	2.73880-	15002	3	7	1155
2.02000+	6	3.00630-	1	2.04000+	6	3.21100-	1	2.06000+	6	3.39200-	15002	3	7	1156
2.08000+	6	3.52580-	1	2.10000+	6	3.64380-	1	2.12000+	6	3.73040-	15002	3	7	1157
2.14000+	6	3.82480-	1	2.16000+	6	3.88790-	1	2.18000+	6	3.93500-	15002	3	7	1158
2.20000+	6	3.95860-	1	2.22000+	6	3.96650-	1	2.24000+	6	3.95070-	15002	3	7	1159
2.26000+	6	3.91930-	1	2.28000+	6	3.87200-	1	2.30000+	6	3.79330-	15002	3	7	1160
2.32000+	6	3.77760-	1	2.34000+	6	3.79330-	1	2.36000+	6	3.80910-	15002	3	7	1161
2.38000+	6	3.87990-	1	2.40000+	6	3.96650-	1	2.42000+	6	4.06880-	15002	3	7	1162
2.44000+	6	4.19470-	1	2.46000+	6	4.31280-	1	2.48000+	6	4.45440-	15002	3	7	1163
2.50000+	6	4.58820-	1	2.52000+	6	4.74560-	1	2.54000+	6	4.90300-	15002	3	7	1164
2.56000+	6	5.06040-	1	2.58000+	6	5.20210-	1	2.60000+	6	5.24930-	15002	3	7	1165
2.62000+	6	5.25720-	1	2.64000+	6	5.23360-	1	2.66000+	6	5.16270-	15002	3	7	1166
2.68000+	6	5.06040-	1	2.70000+	6	4.96600-	1	2.72000+	6	4.95810-	15002	3	7	1167
2.74000+	6	4.95810-	1	2.76000+	6	4.96600-	1	2.78000+	6	4.97380-	15002	3	7	1168
2.80000+	6	4.98170-	1	2.82000+	6	5.00530-	1	2.84000+	6	5.02110-	15002	3	7	1169
2.86000+	6	5.04470-	1	2.88000+	6	5.06040-	1	2.90000+	6	5.08400-	15002	3	7	1170
2.92000+	6	5.09190-	1	2.94000+	6	5.09980-	1	2.96000+	6	5.10760-	15002	3	7	1171
2.98000+	6	5.11550-	1	3.00000+	6	5.11550-	1	3.02000+	6	5.12340-	15002	3	7	1172
3.04000+	6	5.12340-	1	3.06000+	6	5.12340-	1	3.08000+	6	5.12340-	15002	3	7	1173
3.10000+	6	5.12340-	1	3.12000+	6	5.12340-	1	3.14000+	6	5.12340-	15002	3	7	1174
3.16000+	6	5.12340-	1	3.18000+	6	5.12340-	1	3.20000+	6	5.13120-	15002	3	7	1175
3.25000+	6	5.13120-	1	3.30000+	6	5.13120-	1	3.35000+	6	5.13120-	15002	3	7	1176
3.40000+	6	5.13910-	1	3.45000+	6	5.13910-	1	3.50000+	6	5.13910-	15002	3	7	1177
3.55000+	6	5.13910-	1	3.60000+	6	5.13910-	1	3.65000+	6	5.13910-	15002	3	7	1178

3.70000+	6	5.13910-	1	3.75000+	6	5.13910-	1	3.80000+	6	5.13910-	15002	3	7	1179
3.85000+	6	5.13910-	1	3.90000+	6	5.13910-	1	3.95000+	6	5.13910-	15002	3	7	1180
4.00000+	6	5.13130-	1	4.05000+	6	5.02110-	1	4.10000+	6	4.92660-	15002	3	7	1181
4.15000+	6	4.82430-	1	4.20000+	6	4.73770-	1	4.25000+	6	4.65900-	15002	3	7	1182
4.30000+	6	4.54890-	1	4.35000+	6	4.45440-	1	4.40000+	6	4.35210-	15002	3	7	1183
4.45000+	6	4.23410-	1	4.50000+	6	4.13960-	1	4.55000+	6	4.05310-	15002	3	7	1184
4.60000+	6	3.95860-	1	4.65000+	6	3.87990-	1	4.70000+	6	3.80120-	15002	3	7	1185
4.75000+	6	3.71460-	1	4.80000+	6	3.65170-	1	4.85000+	6	3.58090-	15002	3	7	1186
4.90000+	6	3.52580-	1	4.95000+	6	3.45490-	1	5.00000+	6	3.39200-	15002	3	7	1187
5.05000+	6	3.33670-	1	5.10000+	6	3.28180-	1	5.15000+	6	3.24240-	15002	3	7	1188
5.20000+	6	3.17950-	1	5.25000+	6	3.13230-	1	5.30000+	6	3.08500-	15002	3	7	1189
5.35000+	6	3.04570-	1	5.40000+	6	2.99850-	1	5.45000+	6	2.95120-	15002	3	7	1190
5.50000+	6	2.89620-	1	5.55000+	6	2.85680-	1	5.60000+	6	2.81750-	15002	3	7	1191
5.65000+	6	2.78000-	1	5.70000+	6	2.74660-	1	5.75000+	6	2.69940-	15002	3	7	1192
5.80000+	6	2.66010-	1	5.85000+	6	2.62860-	1	5.90000+	6	2.59710-	15002	3	7	1193
5.95000+	6	2.56560-	1	6.00000+	6	2.54200-	1	6.05000+	6	2.49480-	15002	3	7	1194
6.10000+	6	2.46330-	1	6.15000+	6	2.43180-	1	6.20000+	6	2.40820-	15002	3	7	1195
6.25000+	6	2.37670-	1	6.30000+	6	2.34530-	1	6.35000+	6	2.31380-	15002	3	7	1196
6.40000+	6	2.29010-	1	6.45000+	6	2.25870-	1	6.50000+	6	2.24300-	15002	3	7	1197
6.55000+	6	2.21930-	1	6.60000+	6	2.19570-	1	6.65000+	6	2.18000-	15002	3	7	1198
6.70000+	6	2.15640-	1	6.75000+	6	2.13280-	1	6.80000+	6	2.10920-	15002	3	7	1199
6.85000+	6	2.09340-	1	6.90000+	6	2.07770-	1	6.95000+	6	2.06190-	15002	3	7	1200
7.00000+	6	2.03830-	1	7.05000+	6	2.02260-	1	7.10000+	6	2.00690-	15002	3	7	1201
7.15000+	6	1.99110-	1	7.20000+	6	1.97540-	1	7.25000+	6	1.96750-	15002	3	7	1202
7.30000+	6	1.95180-	1	7.35000+	6	1.94390-	1	7.40000+	6	1.93600-	15002	3	7	1203
7.45000+	6	1.92030-	1	7.50000+	6	1.90450-	1	7.55000+	6	1.89670-	15002	3	7	1204
7.60000+	6	1.88090-	1	7.65000+	6	1.87310-	1	7.70000+	6	1.86520-	15002	3	7	1205
7.75000+	6	1.84980-	1	7.80000+	6	1.84160-	1	7.85000+	6	1.83370-	15002	3	7	1206
7.90000+	6	1.81300-	1	7.95000+	6	1.81010-	1	8.00000+	6	1.79440-	15002	3	7	1207
8.05000+	6	1.78650-	1	8.10000+	6	1.77860-	1	8.15000+	6	1.77080-	15002	3	7	1208
8.20000+	6	1.76290-	1	8.25000+	6	1.75500-	1	8.30000+	6	1.74710-	15002	3	7	1209
8.35000+	6	1.73930-	1	8.40000+	6	1.73140-	1	8.45000+	6	1.72750-	15002	3	7	1210
8.50000+	6	1.72350-	1	8.55000+	6	1.71570-	1	8.60000+	6	1.71170-	15002	3	7	1211
8.65000+	6	1.70780-	1	8.70000+	6	1.69990-	1	8.75000+	6	1.69210-	15002	3	7	1212
8.80000+	6	1.68810-	1	8.85000+	6	1.68420-	1	8.90000+	6	1.67630-	15002	3	7	1213
8.95000+	6	1.66840-	1	9.00000+	6	1.66840-	1	9.05000+	6	1.66270-	15002	3	7	1214
9.10000+	6	1.63700-	1	9.15000+	6	1.62910-	1	9.20000+	6	1.62120-	15002	3	7	1215
9.25000+	6	1.61340-	1	9.30000+	6	1.59760-	1	9.35000+	6	1.58970-	15002	3	7	1216
9.40000+	6	1.58190-	1	9.45000+	6	1.57400-	1	9.50000+	7	1.56610-	15002	3	7	1217
9.55000+	7	1.55830-	1	9.60000+	7	1.55040-	1	9.65000+	7	1.54250-	15002	3	7	1218
9.70000+	7	1.53470-	1	9.75000+	7	1.52680-	1	9.80000+	7	1.51890-	15002	3	7	1219
9.85000+	7	1.51100-	1	9.90000+	7	1.50320-	1	9.95000+	7	1.48740-	15002	3	7	1220
1.00000+	7	1.47960-	1	1.05000+	7	1.47170-	1	1.10000+	7	1.45600-	15002	3	7	1221
1.10000+	7	1.44020-	1	1.15000+	7	1.43230-	1	1.20000+	7	1.42450-	15002	3	7	1222
1.20000+	7	1.39300-	1	1.25000+	7	1.36940-	1	1.30000+	7	1.35360-	15002	3	7	1223
1.30000+	7	1.32210-	1	1.35000+	7	1.30600-	1	1.40000+	7	1.29100-	15002	3	7	1224
											5002	3	0	1225
1.20240+	4	2.41030+	1		0		99		0		05002	3	8	1226
0.00000+	11	-1.61100+	6		0		0		1		945002	3	8	1227
		94	5								5002	3	8	1228
1.67790+	6	1.00000-	20	1.68000+	6	2.00000-	4	1.70000+	6	1.62000-	35002	3	8	1229
1.72000+	6	2.94000-	3	1.74000+	6	4.15000-	3	1.76000+	6	5.37000-	35002	3	8	1230
1.78000+	6	6.48000-	3	1.80000+	6	7.60000-	3	1.82000+	6	8.61000-	35002	3	8	1231

1.84000+	6	9.72000-	3	1.86000+	6	1.06400-	2	1.88000+	6	1.16500-	25002	3	8	1232
1.90000+	6	1.25600-	2	1.92000+	6	1.33700-	2	1.94000+	6	1.42800-	25002	3	8	1233
1.96000+	6	1.50900-	2	1.98000+	6	1.60100-	2	2.00000+	6	1.66100-	25002	3	8	1234
2.02000+	6	1.73200-	2	2.04000+	6	1.79300-	2	2.06000+	6	1.86400-	25002	3	8	1235
2.08000+	6	1.92500-	2	2.10000+	6	1.98500-	2	2.12000+	6	2.03600-	25002	3	8	1236
2.14000+	6	2.08700-	2	2.16000+	6	2.13700-	2	2.18000+	6	2.17800-	25002	3	8	1237
2.20000+	6	2.21800-	2	2.22000+	6	2.24900-	2	2.24000+	6	2.28900-	25002	3	8	1238
2.26000+	6	2.31000-	2	2.28000+	6	2.34000-	2	2.30000+	6	2.36000-	25002	3	8	1239
2.32000+	6	2.39100-	2	2.34000+	6	2.40600-	2	2.36000+	6	2.42600-	25002	3	8	1240
2.38000+	6	2.44600-	2	2.40000+	6	2.45700-	2	2.42000+	6	2.47700-	25002	3	8	1241
2.44000+	6	2.48700-	2	2.46000+	6	2.50700-	2	2.48000+	6	2.51700-	25002	3	8	1242
2.50000+	6	2.51700-	2	2.52000+	6	2.52200-	2	2.54000+	6	2.52700-	25002	3	8	1243
2.56000+	6	2.53300-	2	2.58000+	6	2.53800-	2	2.60000+	6	2.54300-	25002	3	8	1244
2.62000+	6	2.54700-	2	2.64000+	6	2.55300-	2	2.66000+	6	2.55800-	25002	3	8	1245
2.68000+	6	2.55800-	2	2.70000+	6	2.55800-	2	2.72000+	6	2.55800-	25002	3	8	1246
2.74000+	6	2.55800-	2	2.76000+	6	2.55300-	2	2.78000+	6	2.55300-	25002	3	8	1247
2.80000+	6	2.54800-	2	2.82000+	6	2.54300-	2	2.84000+	6	2.53800-	25002	3	8	1248
2.86000+	6	2.53800-	2	2.88000+	6	2.53300-	2	2.90000+	6	2.52700-	25002	3	8	1249
2.92000+	6	2.52200-	2	2.94000+	6	2.51200-	2	2.96000+	6	2.50700-	25002	3	8	1250
2.98000+	6	2.50200-	2	3.00000+	6	2.49700-	2	3.02000+	6	2.48700-	25002	3	8	1251
3.04000+	6	2.48200-	2	3.06000+	6	2.47200-	2	3.08000+	6	2.46200-	25002	3	8	1252
3.10000+	6	2.45100-	2	3.12000+	6	2.44100-	2	3.14000+	6	2.43100-	25002	3	8	1253
3.16000+	6	2.41600-	2	3.18000+	6	2.40600-	2	3.20000+	6	2.39100-	25002	3	8	1254
3.25000+	6	2.36000-	2	3.30000+	6	2.33000-	2	3.35000+	6	2.30000-	25002	3	8	1255
3.40000+	6	2.26900-	2	3.45000+	6	2.23900-	2	3.50000+	6	2.20800-	25002	3	8	1256
3.55000+	6	2.17800-	2	3.60000+	6	2.14800-	2	3.65000+	6	2.11700-	25002	3	8	1257
3.70000+	6	2.10000-	2	3.75000+	6	2.07000-	2	3.80000+	6	2.05000-	25002	3	8	1258
3.85000+	6	2.01600-	2	3.90000+	6	1.99600-	2	3.95000+	6	1.97500-	25002	3	8	1259
4.00000+	6	1.95500-	2							5002	3	8	1260	
										5002	3	0	1261	
1.20240+	4	2.41030+	1		0		99		0	05002	3	9	1262	
0.00000+	0	-1.81000+	6		0		0		1	835002	3	9	1263	
	83		5							5002	3	9	1264	
1.88510+	6	1.00000-	20	1.90000+	6	3.13000-	3	1.92000+	6	7.48000-	35002	3	9	1265
1.94000+	6	1.15100-	2	1.96000+	6	1.48600-	2	1.98000+	6	1.82100-	25002	3	9	1266
2.00000+	6	2.15600-	2	2.02000+	6	2.42400-	2	2.04000+	6	2.70300-	25002	3	9	1267
2.06000+	6	2.92700-	2	2.08000+	6	3.18300-	2	2.10000+	6	3.38500-	25002	3	9	1268
2.12000+	6	3.60700-	2	2.14000+	6	3.80900-	2	2.16000+	6	3.97700-	25002	3	9	1269
2.18000+	6	4.15500-	2	2.20000+	6	4.31200-	2	2.22000+	6	4.47900-	25002	3	9	1270
2.24000+	6	4.62400-	2	2.26000+	6	4.75800-	2	2.28000+	6	4.89200-	25002	3	9	1271
2.30000+	6	5.03800-	2	2.32000+	6	5.14900-	2	2.34000+	6	5.27200-	25002	3	9	1272
2.36000+	6	5.38400-	2	2.38000+	6	5.49600-	2	2.40000+	6	5.59600-	25002	3	9	1273
2.42000+	6	5.67400-	2	2.44000+	6	5.76400-	2	2.46000+	6	5.84200-	25002	3	9	1274
2.48000+	6	5.89800-	2	2.50000+	6	5.97600-	2	2.52000+	6	6.04200-	25002	3	9	1275
2.54000+	6	6.09900-	2	2.56000+	6	6.15500-	2	2.58000+	6	6.20000-	25002	3	9	1276
2.60000+	6	6.23300-	2	2.62000+	6	6.30000-	2	2.64000+	6	6.33300-	25002	3	9	1277
2.66000+	6	6.38900-	2	2.68000+	6	6.42200-	2	2.70000+	6	6.45600-	25002	3	9	1278
2.72000+	6	6.50100-	2	2.74000+	6	6.53400-	2	2.76000+	6	6.56700-	25002	3	9	1279
2.78000+	6	6.59000-	2	2.80000+	6	6.61300-	2	2.82000+	6	6.62400-	25002	3	9	1280
2.84000+	6	6.64600-	2	2.86000+	6	6.65700-	2	2.88000+	6	6.66800-	25002	3	9	1281
2.90000+	6	6.68000-	2	2.92000+	6	6.69100-	2	2.94000+	6	6.69100-	25002	3	9	1282
2.96000+	6	6.69100-	2	2.98000+	6	6.68000-	2	3.00000+	6	6.66800-	25002	3	9	1283
3.02000+	6	6.65700-	2	3.04000+	6	6.63500-	2	3.06000+	6	6.61300-	25002	3	9	1284

3.08000+	6	6.59000-	2	3.10000+	6	6.55700-	2	3.12000+	6	6.52300-	25002	3	9	1285
3.14000+	6	6.50000-	2	3.16000+	6	6.45600-	2	3.18000+	6	6.42200-	25002	3	9	1286
3.20000+	6	6.38900-	2	3.25000+	6	6.27800-	2	3.30000+	6	6.14300-	25002	3	9	1287
3.35000+	6	5.99800-	2	3.40000+	6	5.85300-	2	3.45000+	6	5.67400-	25002	3	9	1288
3.50000+	6	5.49600-	2	3.55000+	6	5.32800-	2	3.60000+	6	5.17200-	25002	3	9	1289
3.65000+	6	5.00400-	2	3.70000+	6	4.87000-	2	3.75000+	6	4.73600-	25002	3	9	1290
3.80000+	6	4.60200-	2	3.85000+	6	4.47900-	2	3.90000+	6	4.34500-	25002	3	9	1291
3.95000+	6	4.24500-	2	4.00000+	6	4.15500-	2				5002	3	9	1292
											5002	3	0	1293
1.20240+	4	2.41030+	1		0		99		0		05002	3	10	1294
0.00000+	0	-1.96200+	6		0		0		1		755002	3	10	1295
		75	5								5002	3	10	1296
2.04340+	6	1.00000-20		2.06000+	6	6.60000-	4	2.08000+	6	1.32000-	35002	3	10	1297
2.10000+	6	1.98000-	3	2.12000+	6	2.63000-	3	2.14000+	6	3.34000-	35002	3	10	1298
2.16000+	6	3.85000-	3	2.18000+	6	4.46000-	3	2.20000+	6	5.07000-	35002	3	10	1299
2.22000+	6	5.57000-	3	2.24000+	6	6.18000-	3	2.26000+	6	6.69000-	35002	3	10	1300
2.28000+	6	7.19000-	3	2.30000+	6	7.60000-	3	2.32000+	6	8.10000-	35002	3	10	1301
2.34000+	6	8.61000-	3	2.36000+	6	9.02000-	3	2.38000+	6	9.42000-	35002	3	10	1302
2.40000+	6	9.83000-	3	2.42000+	6	1.01300-	2	2.44000+	6	1.05400-	25002	3	10	1303
2.46000+	6	1.08400-	2	2.48000+	6	1.12400-	2	2.50000+	6	1.15500-	25002	3	10	1304
2.52000+	6	1.18500-	2	2.54000+	6	1.21100-	2	2.56000+	6	1.24100-	25002	3	10	1305
2.58000+	6	1.26600-	2	2.60000+	6	1.29200-	2	2.62000+	6	1.31200-	25002	3	10	1306
2.64000+	6	1.33200-	2	2.66000+	6	1.35200-	2	2.68000+	6	1.36800-	25002	3	10	1307
2.70000+	6	1.38800-	2	2.72000+	6	1.39800-	2	2.74000+	6	1.40800-	25002	3	10	1308
2.76000+	6	1.42800-	2	2.78000+	6	1.43800-	2	2.80000+	6	1.44900-	25002	3	10	1309
2.82000+	6	1.46400-	2	2.84000+	6	1.47400-	2	2.86000+	6	1.48400-	25002	3	10	1310
2.88000+	6	1.48900-	2	2.90000+	6	1.49900-	2	2.92000+	6	1.50400-	25002	3	10	1311
2.94000+	6	1.50900-	2	2.96000+	6	1.51400-	2	2.98000+	6	1.52000-	25002	3	10	1312
3.00000+	6	1.52000-	2	3.02000+	6	1.52500-	2	3.04000+	6	1.53000-	25002	3	10	1313
3.06000+	6	1.53500-	2	3.08000+	6	1.54000-	2	3.10000+	6	1.54000-	25002	3	10	1314
3.12000+	6	1.54500-	2	3.14000+	6	1.54500-	2	3.16000+	6	1.54500-	25002	3	10	1315
3.18000+	6	1.54500-	2	3.20000+	6	1.54000-	2	3.25000+	6	1.53500-	25002	3	10	1316
3.30000+	6	1.52500-	2	3.35000+	6	1.50900-	2	3.40000+	6	1.49400-	25002	3	10	1317
3.45000+	6	1.47900-	2	3.50000+	6	1.45900-	2	3.55000+	6	1.42000-	25002	3	10	1318
3.60000+	6	1.42300-	2	3.65000+	6	1.40800-	2	3.70000+	6	1.38800-	25002	3	10	1319
3.75000+	6	1.37300-	2	3.80000+	6	1.35300-	2	3.85000+	6	1.34200-	25002	3	10	1320
3.90000+	6	1.32700-	2	3.95000+	6	1.31200-	2	4.00000+	6	1.30200-	25002	3	10	1321
											5002	3	0	1322
1.20240+	4	2.41030+	1		0		99		0		05002	3	11	1323
0.00000+	0	-2.56500+	6		0		0		1		445002	3	11	1324
		44	5								5002	3	11	1325
2.67150+	6	1.00000-20		2.68000+	6	1.00000-	4	2.70000+	6	2.00000-	45002	3	11	1326
2.72000+	6	2.50000-	4	2.74000+	6	3.50000-	4	2.76000+	6	4.00000-	45002	3	11	1327
2.78000+	6	5.10000-	4	2.80000+	6	6.10000-	4	2.82000+	6	6.60000-	45002	3	11	1328
2.84000+	6	7.10000-	4	2.86000+	6	7.60000-	4	2.88000+	6	8.60000-	45002	3	11	1329
2.90000+	6	9.60000-	4	2.92000+	6	1.06000-	3	2.94000+	6	1.11000-	35002	3	11	1330
2.96000+	6	1.16000-	3	2.98000+	6	1.22000-	3	3.00000+	6	1.27000-	35002	3	11	1331
3.02000+	6	1.37000-	3	3.04000+	6	1.42000-	3	3.06000+	6	1.47000-	35002	3	11	1332
3.08000+	6	1.52000-	3	3.10000+	6	1.57000-	3	3.12000+	6	1.62000-	35002	3	11	1333
3.14000+	6	1.67000-	3	3.16000+	6	1.72000-	3	3.18000+	6	1.77000-	35002	3	11	1334
3.20000+	6	1.82000-	3	3.25000+	6	1.92000-	3	3.30000+	6	2.03000-	35002	3	11	1335
3.35000+	6	2.13000-	3	3.40000+	6	2.18000-	3	3.45000+	6	2.23000-	35002	3	11	1336
3.50000+	6	2.28000-	3	3.55000+	6	2.28000-	3	3.60000+	6	2.28000-	35002	3	11	1337

3.65000+	6	2.28000-	3	3.70000+	6	2.23000-	3	3.75000+	6	2.23000-	35002	3	11	1338
3.80000+	6	2.18000-	3	3.85000+	6	2.13000-	3	3.90000+	6	2.08000-	35002	3	11	1339
3.95000+	6	1.98000-	3	4.00000+	6	1.92000-	3				5002	3	11	1340
											5002	3	0	1341
1.20240+	4	2.41030+	1	0		99		0			05002	3	12	1342
0.00000+	0	-2.73600+	6	0		0		1			345002	3	12	1343
	34		5								5002	3	12	1344
2.84960+	6	1.00000-	20	2.88000+	6	5.00000-	5	2.90000+	6	2.00000-	45002	3	12	1345
2.92000+	6	3.50000-	4	2.94000+	6	5.60000-	4	2.96000+	6	7.10000-	45002	3	12	1346
2.98000+	6	9.10000-	4	3.00000+	6	1.06000-	3	3.02000+	6	1.27000-	35002	3	12	1347
3.04000+	6	1.47000-	3	3.06000+	6	1.62000-	3	3.08000+	6	1.77000-	35002	3	12	1348
3.10000+	6	1.98000-	3	3.12000+	6	2.18000-	3	3.14000+	6	2.38000-	35002	3	12	1349
3.16000+	6	2.53000-	3	3.18000+	6	2.74000-	3	3.20000+	6	2.94000-	35002	3	12	1350
3.25000+	6	3.39000-	3	3.30000+	6	3.90000-	3	3.35000+	6	4.41000-	35002	3	12	1351
3.40000+	6	4.91000-	3	3.45000+	6	5.42000-	3	3.50000+	6	5.88000-	35002	3	12	1352
3.55000+	6	6.38000-	3	3.60000+	6	6.79000-	3	3.65000+	6	7.24000-	35002	3	12	1353
3.70000+	6	7.65000-	3	3.75000+	6	8.05000-	3	3.80000+	6	8.46000-	35002	3	12	1354
3.85000+	6	8.81000-	3	3.90000+	6	9.17000-	3	3.95000+	6	9.47000-	35002	3	12	1355
4.00000+	6	9.73000-	3								5002	3	12	1356
											5002	3	0	1357
1.20240+	4	2.41030+	1	0		99		0			05002	3	13	1358
0.00000+	0	-2.80300+	6	0		0		1			315002	3	13	1359
	31		5								5002	3	13	1360
2.91930+	6	1.00000-	20	2.94000+	6	5.00000-	5	2.96000+	6	2.00000-	45002	3	13	1361
2.98000+	6	3.50000-	4	3.00000+	6	4.50000-	4	3.02000+	6	5.60000-	45002	3	13	1362
3.04000+	6	6.50000-	4	3.06000+	6	7.60000-	4	3.08000+	6	9.10000-	45002	3	13	1363
3.10000+	6	1.01000-	3	3.12000+	6	1.11000-	3	3.14000+	6	1.26000-	35002	3	13	1364
3.16000+	6	1.36000-	3	3.18000+	6	1.46000-	3	3.20000+	6	1.57000-	35002	3	13	1365
3.25000+	6	1.87000-	3	3.30000+	6	2.13000-	3	3.35000+	6	2.38000-	35002	3	13	1366
3.40000+	6	2.63000-	3	3.45000+	6	2.94000-	3	3.50000+	6	3.19000-	35002	3	13	1367
3.55000+	6	3.39000-	3	3.60000+	6	3.60000-	3	3.65000+	6	3.80000-	35002	3	13	1368
3.70000+	6	4.00000-	3	3.75000+	6	4.15000-	3	3.80000+	6	4.31000-	35002	3	13	1369
3.85000+	6	4.46000-	3	3.90000+	6	4.56000-	3	3.95000+	6	4.66000-	35002	3	13	1370
4.00000+	6	4.71000-	3								5002	3	13	1371
											5002	3	0	1372
1.20240+	4	2.41030+	1	0		99		0			05002	3	14	1373
0.00000+	0	-2.94000+	6	0		0		1			245002	3	14	1374
	24		5								5002	3	14	1375
3.06200+	6	1.00000-	20	3.08000+	6	1.34000-	3	3.10000+	6	2.23000-	35002	3	14	1376
3.12000+	6	3.01000-	3	3.14000+	6	4.24000-	3	3.16000+	6	5.25000-	35002	3	14	1377
3.18000+	6	6.03000-	3	3.20000+	6	7.15000-	3	3.25000+	6	9.38000-	35002	3	14	1378
3.30000+	6	1.15100-	2	3.35000+	6	1.36300-	2	3.40000+	6	1.57500-	25002	3	14	1379
3.45000+	6	1.76500-	2	3.50000+	6	1.94400-	2	3.55000+	6	2.13300-	25002	3	14	1380
3.60000+	6	2.29000-	2	3.65000+	6	2.45700-	2	3.70000+	6	2.59100-	25002	3	14	1381
3.75000+	6	2.72500-	2	3.80000+	6	2.86000-	2	3.85000+	6	2.98200-	25002	3	14	1382
3.90000+	6	3.08300-	2	3.95000+	6	3.17200-	2	4.00000+	6	3.26200-	25002	3	14	1383
											5002	3	0	1384
1.20240+	4	2.41030+	1	0		99		0			05002	3	15	1385
0.00000+	0	0.00000+	0	0		0		1			1705002	3	15	1386
	170		5								5002	3	15	1387
2.96000+	6	1.00000-	20	2.98000+	6	4.00000-	4	3.00000+	6	1.40000-	35002	3	15	1388
3.20000+	6	2.40000-	3	3.04000+	6	3.40000-	3	3.06000+	6	4.10000-	35002	3	15	1389
3.08000+	6	4.70000-	3	3.10000+	6	5.10000-	3	3.12000+	6	5.40000-	35002	3	15	1390



3.14000+	6	5.70000-	3	3.16000+	6	5.90000-	3	3.18000+	6	6.10000-	35002	3	15	1391
3.20000+	6	6.40000-	3	3.25000+	6	7.10000-	3	3.30000+	6	7.80000-	35002	3	15	1392
3.35000+	6	8.70000-	3	3.40000+	6	9.60000-	3	3.45000+	6	1.06000-	25002	3	15	1393
3.50000+	6	1.16000-	2	3.55000+	6	1.28000-	2	3.60000+	6	1.44000-	25002	3	15	1394
3.65000+	6	1.67000-	2	3.70000+	6	2.00000-	2	3.75000+	6	2.33000-	25002	3	15	1395
3.80000+	6	2.55000-	2	3.85000+	6	2.77000-	2	3.90000+	6	2.92000-	25002	3	15	1396
3.95000+	6	3.16000-	2	4.00000+	6	3.46000-	2	4.05000+	6	1.79900-	15002	3	15	1397
4.10000+	6	1.89300-	1	4.15000+	6	1.99600-	1	4.20000+	6	2.08200-	15002	3	15	1398
4.25000+	6	2.17100-	1	4.30000+	6	2.29100-	1	4.35000+	6	2.37000-	15002	3	15	1399
4.40000+	6	2.42500-	1	4.45000+	6	2.44900-	1	4.50000+	6	2.37800-	15002	3	15	1400
4.55000+	6	2.30700-	1	4.60000+	6	2.27500-	1	4.65000+	6	2.22800-	15002	3	15	1401
4.70000+	6	2.17300-	1	4.75000+	6	2.14400-	1	4.80000+	6	2.08900-	15002	3	15	1402
4.85000+	6	2.04900-	1	4.90000+	6	2.02200-	1	4.95000+	6	2.00800-	15002	3	15	1403
5.00000+	6	1.98900-	1	5.05000+	6	1.98600-	1	5.10000+	6	1.94400-	15002	3	15	1404
5.15000+	6	1.97500-	1	5.20000+	6	2.00700-	1	5.25000+	6	2.02300-	15002	3	15	1405
5.30000+	6	2.05500-	1	5.35000+	6	2.07200-	1	5.40000+	6	2.11200-	15002	3	15	1406
5.45000+	6	2.13200-	1	5.50000+	6	2.17800-	1	5.55000+	6	2.17300-	15002	3	15	1407
5.60000+	6	2.19900-	1	5.65000+	6	2.21600-	1	5.70000+	6	2.27800-	15002	3	15	1408
5.75000+	6	2.32000-	1	5.80000+	6	2.37000-	1	5.85000+	6	2.39600-	15002	3	15	1409
5.90000+	6	2.43900-	1	5.95000+	6	2.47300-	1	6.00000+	6	2.51500-	15002	3	15	1410
6.05000+	6	2.57700-	1	6.10000+	6	2.61500-	1	6.15000+	6	2.66500-	15002	3	15	1411
6.20000+	6	2.70700-	1	6.25000+	6	2.75700-	1	6.30000+	6	2.80900-	15002	3	15	1412
6.35000+	6	2.68300-	1	6.40000+	6	2.67600-	1	6.45000+	6	2.68100-	15002	3	15	1413
6.50000+	6	2.67200-	1	6.55000+	6	2.65900-	1	6.60000+	6	2.64000-	15002	3	15	1414
6.65000+	6	2.62000-	1	6.70000+	6	2.64800-	1	6.75000+	6	2.67600-	15002	3	15	1415
6.80000+	6	2.71100-	1	6.85000+	6	2.72500-	1	6.90000+	6	2.75000-	15002	3	15	1416
6.95000+	6	2.77500-	1	7.00000+	6	2.84500-	1	7.05000+	6	4.86000-	15002	3	15	1417
7.10000+	6	4.89000-	1	7.15000+	6	4.89600-	1	7.20000+	6	4.90700-	15002	3	15	1418
7.25000+	6	4.97300-	1	7.30000+	6	5.04900-	1	7.35000+	6	5.16100-	15002	3	15	1419
7.40000+	6	5.21800-	1	7.45000+	6	5.25800-	1	7.50000+	6	5.27300-	15002	3	15	1420
7.55000+	6	5.21900-	1	7.60000+	6	5.22000-	1	7.65000+	6	5.19000-	15002	3	15	1421
7.70000+	6	5.17700-	1	7.75000+	6	5.20600-	1	7.80000+	6	5.21700-	15002	3	15	1422
7.85000+	6	5.26600-	1	7.90000+	6	5.27300-	1	7.95000+	6	5.29100-	15002	3	15	1423
8.00000+	6	5.31000-	1	8.05000+	6	5.32300-	1	8.10000+	6	5.34100-	15002	3	15	1424
8.15000+	6	5.35900-	1	8.20000+	6	5.38000-	1	8.25000+	6	5.40700-	15002	3	15	1425
8.30000+	6	5.41700-	1	8.35000+	6	5.43900-	1	8.40000+	6	5.43900-	15002	3	15	1426
8.45000+	6	5.44400-	1	8.50000+	6	5.45000-	1	8.55000+	6	5.46100-	15002	3	15	1427
8.60000+	6	5.47100-	1	8.65000+	6	5.47800-	1	8.70000+	6	5.48300-	15002	3	15	1428
8.75000+	6	5.48300-	1	8.80000+	6	5.48900-	1	8.85000+	6	5.48500-	15002	3	15	1429
8.90000+	6	5.48800-	1	8.95000+	6	5.50300-	1	9.00000+	6	5.50200-	15002	3	15	1430
9.10000+	6	5.49700-	1	9.20000+	6	5.50500-	1	9.30000+	6	5.48400-	15002	3	15	1431
9.40000+	6	5.47300-	1	9.50000+	6	5.44300-	1	9.60000+	6	5.42800-	15002	3	15	1432
9.70000+	6	5.39000-	1	9.80000+	6	5.36100-	1	9.90000+	6	5.32500-	15002	3	15	1433
1.00000+	7	5.27500-	1	1.01000+	7	5.23100-	1	1.02000+	7	5.17200-	15002	3	15	1434
1.03000+	7	5.13900-	1	1.04000+	7	5.08100-	1	1.05000+	7	5.03000-	15002	3	15	1435
1.06000+	7	5.04800-	1	1.07000+	7	5.14900-	1	1.08000+	7	5.20200-	15002	3	15	1436
1.09000+	7	5.16100-	1	1.10000+	7	5.06100-	1	1.12000+	7	4.93800-	15002	3	15	1437
1.14000+	7	4.89500-	1	1.16000+	7	4.84900-	1	1.18000+	7	4.77200-	15002	3	15	1438
1.20000+	7	4.68500-	1	1.25000+	7	4.39500-	1	1.30000+	7	4.26600-	15002	3	15	1439
1.35000+	7	4.14600-	1	1.40000+	7	4.10300-	1	1.45000+	7	4.03900-	15002	3	15	1440
1.50000+	7	4.00800-	1	1.55000+	7	5.41400-	1	1.60000+	7	5.40500-	15002	3	15	1441
1.65000+	7	5.33000-	1	1.70000+	7	5.25500-	1	1.75000+	7	5.03500-	15002	3	15	1442
1.80000+	7	4.91000-	1	1.85000+	7	4.80200-	1	1.90000+	7	4.72300-	15002	3	15	1443
1.95000+	7	4.64100-	1	2.00000+	7	4.55300-	1			5002	3	15	1444	

1.20240+	4	2.41030+	1	0	99	C	5002	3	0	1445		
0.00000+	0-7.32400+	6	0	0	1	05002	3	16	1446			
	70	5				705002	3	16	1447			
7.62790+	6	1.00000-20	7.65000+	6	1.00000+	0	5002	3	16	1448		
7.75000+	6	1.00000-20	7.80000+	6	1.00000-	4	05002	3	16	1449		
7.90000+	6	3.00000-	7.95000+	6	4.00000-	4	45002	3	16	1450		
8.05000+	6	6.00000-	8.10000+	6	7.00000-	4	45002	3	16	1451		
8.20000+	6	8.00000-	8.25000+	6	8.50000-	4	45002	3	16	1452		
8.35000+	6	1.10000-	8.40000+	6	1.30000-	3	45002	3	16	1453		
8.50000+	6	1.70000-	8.55000+	6	1.90000-	3	35002	3	16	1454		
8.65000+	6	2.40000-	8.70000+	6	2.70000-	3	35002	3	16	1455		
8.80000+	6	3.10000-	8.85000+	6	3.30000-	3	35002	3	16	1456		
8.95000+	6	3.70000-	9.00000+	6	3.90000-	3	35002	3	16	1457		
9.20000+	6	4.70000-	9.30000+	6	5.10000-	3	35002	3	16	1458		
9.50000+	6	5.80000-	9.60000+	6	6.20000-	3	35002	3	16	1459		
9.80000+	6	6.80000-	9.90000+	6	7.20000-	3	35002	3	16	1460		
1.01000+	7	8.00000-	1.02000+	7	8.30000-	3	35002	3	16	1461		
1.04000+	7	8.90000-	1.05000+	7	9.10000-	3	35002	3	16	1462		
1.07000+	7	9.70000-	1.08000+	7	9.90000-	3	35002	3	16	1463		
1.10000+	7	1.03000-	2.1.12000+	7	1.08000-	2	25002	3	16	1464		
1.16000+	7	1.16000-	2.1.18000+	7	1.27000-	2	25002	3	16	1465		
1.25000+	7	1.91000-	2.1.30000+	7	2.50000-	2	25002	3	16	1466		
1.40000+	7	3.62000-	2.1.45000+	7	4.12000-	2	25002	3	16	1467		
1.55000+	7	4.99000-	2.1.60000+	7	5.29000-	2	25002	3	16	1468		
1.70000+	7	5.76000-	2.1.75000+	7	7.13000-	2	25002	3	16	1469		
1.85000+	7	8.09000-	2.1.90000+	7	8.26000-	2	25002	3	16	1470		
2.00000+	7	8.47000-	2				25002	3	16	1471		
							5002	3	16	1472		
							5002	3	0	1473		
1.20240+	4	2.41030+	1	0	99	0	05002	3	22	1474		
0.00000+	0-9.30900+	6	0	0	1	145002	3	22	1475			
	14	5				5002	3	22	1476			
1.35000+	7	1.00000-20	1.40000+	7	1.00000-19	1.45000+	7	2.00000-	35002	3	22	1477
1.50000+	7	5.00000-	3.1.55000+	7	1.50000-	2.1.60000+	7	1.75000-	25002	3	22	1478
1.65000+	7	2.30000-	2.1.70000+	7	2.80000-	2.1.75000+	7	3.60000-	25002	3	22	1479
1.80000+	7	4.20000-	2.1.85000+	7	4.91000-	2.1.90000+	7	5.42000-	25002	3	22	1480
1.95000+	7	6.02000-	2.2.00000+	7	6.53000-	2			5002	3	22	1481
							5002	3	0	1482		
1.20240+	4	2.41030+	1	0	99	0	05002	3	28	1483		
0.00000+	0-1.16600+	7	0	0	1	175002	3	28	1484			
	17	5				5002	3	28	1485			
1.21500+	7	1.00000-20	1.25000+	7	1.00000-20	1.30000+	7	9.00000-	45002	3	28	1486
1.35000+	7	5.70000-	3.1.40000+	7	1.22000-	2.1.45000+	7	1.96000-	25002	3	28	1487
1.50000+	7	2.70000-	2.1.55000+	7	3.37000-	2.1.60000+	7	4.04000-	25002	3	28	1488
1.65000+	7	4.62000-	2.1.70000+	7	5.13000-	2.1.75000+	7	5.71000-	25002	3	28	1489
1.80000+	7	6.14000-	2.1.85000+	7	6.48000-	2.1.90000+	7	6.89000-	25002	3	28	1490
1.95000+	7	7.31000-	2.2.00000+	7	7.81000-	2			5002	3	28	1491
							5002	3	0	1492		
1.20240+	4	2.41030+	1	0	99	0	05002	3	51	1493		
0.00000+	0-4.12000+	6	0	0	1	555002	3	51	1494			
	55	5				5002	3	51	1495			
4.29300+	6	1.00000-20	4.35000+	6	1.57000-	3.4.40000+	6	6.30000-	35002	3	51	1496
4.45000+	6	1.25900-	2.4.50000+	6	1.81000-	2.4.55000+	6	2.28200-	25002	3	51	1497
4.60000+	6	2.67600-	2.4.65000+	6	3.06900-	2.4.70000+	6	3.46300-	25002	3	51	1498

4.75000+	6	3.93500-	2	4.80000+	6	4.32900-	2	4.85000+	6	4.64300-	25002	3	51	1499
4.90000+	6	4.95800-	2	4.95000+	6	5.27300-	2	5.00000+	6	5.58800-	25002	3	51	1500
5.05000+	6	5.82400-	2	5.10000+	6	6.06000-	2	5.15000+	6	6.29600-	25002	3	51	1501
5.20000+	6	6.53200-	2	5.25000+	6	6.76800-	2	5.30000+	6	6.92600-	25002	3	51	1502
5.35000+	6	7.08300-	2	5.40000+	6	7.24000-	2	5.45000+	6	7.39800-	25002	3	51	1503
5.50000+	6	7.55500-	2	5.55000+	6	7.71300-	2	5.60000+	6	7.79100-	25002	3	51	1504
5.65000+	6	7.87000-	2	5.70000+	6	7.87000-	2	5.75000+	6	7.94900-	25002	3	51	1505
5.80000+	6	7.94900-	2	5.85000+	6	8.02700-	2	5.90000+	6	8.02700-	25002	3	51	1506
5.95000+	6	8.02700-	2	6.00000+	6	8.02700-	2	6.05000+	6	8.02700-	25002	3	51	1507
6.10000+	6	8.02700-	2	6.15000+	6	8.02700-	2	6.20000+	6	8.02700-	25002	3	51	1508
6.25000+	6	8.02700-	2	6.30000+	6	8.02700-	2	6.35000+	6	8.02700-	25002	3	51	1509
6.40000+	6	8.02700-	2	6.45000+	6	8.02700-	2	6.50000+	6	7.94900-	25002	3	51	1510
6.55000+	6	7.94900-	2	6.60000+	6	7.94900-	2	6.65000+	6	7.94900-	25002	3	51	1511
6.70000+	6	7.94900-	2	6.75000+	6	7.94900-	2	6.80000+	6	7.87000-	25002	3	51	1512
6.85000+	6	7.87000-	2	6.90000+	6	7.87000-	2	6.95000+	6	7.87000-	25002	3	51	1513
7.00000+	6	7.87000-	2							5002	3	51	1514	
										5002	3	0	1515	
1.20240+	4	2.41030+	1		0		99		0		05002	3	52	1516
0.00000+	0	4.23200+	6		0		0		1		1245002	3	52	1517
			124											
			5											
4.41000+	6	1.00000-	20	4.45000+	6	3.14000-	3	4.50000+	6	1.41700-	25002	3	52	1518
4.55000+	6	2.51800-	2	4.60000+	6	3.38400-	2	4.65000+	6	4.25000-	25002	3	52	1520
4.70000+	6	5.19400-	2	4.75000+	6	5.98100-	2	4.80000+	6	6.76800-	25002	3	52	1521
4.85000+	6	7.55500-	2	4.90000+	6	8.26900-	2	4.95000+	6	8.89300-	25002	3	52	1522
5.00000+	6	9.60100-	2	5.05000+	6	1.01520-	1	5.10000+	6	1.07820-	15002	3	52	1523
5.15000+	6	1.13330-	1	5.20000+	6	1.18050-	1	5.25000+	6	1.22770-	15002	3	52	1524
5.30000+	6	1.26710-	1	5.35000+	6	1.30640-	1	5.40000+	6	1.34580-	15002	3	52	1525
5.45000+	6	1.36940-	1	5.50000+	6	1.39300-	1	5.55000+	6	1.41660-	15002	3	52	1526
5.60000+	6	1.43230-	1	5.65000+	6	1.44020-	1	5.70000+	6	1.44810-	15002	3	52	1527
5.75000+	6	1.45600-	1	5.80000+	6	1.46380-	1	5.85000+	6	1.47170-	15002	3	52	1528
5.90000+	6	1.47960-	1	5.95000+	6	1.48740-	1	6.00000+	6	1.48740-	15002	3	52	1529
6.05000+	6	1.49140-	1	6.10000+	6	1.49530-	1	6.15000+	6	1.49530-	15002	3	52	1530
6.20000+	6	1.49530-	1	6.25000+	6	1.49530-	1	6.30000+	6	1.49530-	15002	3	52	1531
6.35000+	6	1.49530-	1	6.40000+	6	1.49140-	1	6.45000+	6	1.48740-	15002	3	52	1532
6.50000+	6	1.47960-	1	6.55000+	6	1.47560-	1	6.60000+	6	1.47170-	15002	3	52	1533
6.65000+	6	1.46390-	1	6.70000+	6	1.45600-	1	6.75000+	6	1.44810-	15002	3	52	1534
6.80000+	6	1.44020-	1	6.85000+	6	1.43230-	1	6.90000+	6	1.42440-	15002	3	52	1535
6.95000+	6	1.41660-	1	7.00000+	6	1.40090-	1	7.05000+	6	1.38510-	15002	3	52	1536
7.10000+	6	1.36940-	1	7.15000+	6	1.36150-	1	7.20000+	6	1.35360-	15002	3	52	1537
7.25000+	6	1.33000-	1	7.30000+	6	1.31420-	1	7.35000+	6	1.29070-	15002	3	52	1538
7.40000+	6	1.26710-	1	7.45000+	6	1.25130-	1	7.50000+	6	1.23560-	15002	3	52	1539
7.55000+	6	1.21990-	1	7.60000+	6	1.20410-	1	7.65000+	6	1.18840-	15002	3	52	1540
7.70000+	6	1.17260-	1	7.75000+	6	1.15690-	1	7.80000+	6	1.14120-	15002	3	52	1541
7.85000+	6	1.12540-	1	7.90000+	6	1.11750-	1	7.95000+	6	1.10180-	15002	3	52	1542
8.00000+	6	1.08610-	1	8.05000+	6	1.07820-	1	8.10000+	6	1.07030-	15002	3	52	1543
8.15000+	6	1.05460-	1	8.20000+	6	1.03880-	1	8.25000+	6	1.03100-	15002	3	52	1544
8.30000+	6	1.01520-	1	8.35000+	6	9.99500-	2	8.40000+	6	9.91600-	25002	3	52	1545
8.45000+	6	9.83800-	2	8.50000+	6	9.75900-	2	8.55000+	6	9.60100-	25002	3	52	1546
8.60000+	6	9.44400-	2	8.65000+	6	9.28700-	2	8.70000+	6	9.20800-	25002	3	52	1547
8.75000+	6	9.12900-	2	8.80000+	6	8.97200-	2	8.85000+	6	8.89300-	25002	3	52	1548
8.90000+	6	8.81400-	2	8.95000+	6	8.65700-	2	9.00000+	6	8.57800-	25002	3	52	1549
9.10000+	6	8.42100-	2	9.20000+	6	8.18500-	2	9.30000+	6	7.94900-	25002	3	52	1550
9.40000+	6	7.71300-	2	9.50000+	6	7.55500-	2	9.60000+	6	7.39800-	25002	3	52	1551

9,70000+	6	7,24000-	2	9,80000+	6	7,00400-	2	9,90000+	6	6,84700-	25002	3	52	1552
1,00000+	7	6,69000-	2	1,01000+	7	6,53200-	2	1,02000+	7	6,37500-	25002	3	52	1553
1,03000+	7	6,13900-	2	1,04000+	7	5,98100-	2	1,05000+	7	5,82400-	25002	3	52	1554
1,06000+	7	5,66600-	2	1,07000+	7	5,50900-	2	1,08000+	7	5,35200-	25002	3	52	1555
1,09000+	7	5,19400-	2	1,10000+	7	5,03700-	2	1,12000+	7	4,80100-	25002	3	52	1556
1,14000+	7	4,48600-	2	1,16000+	7	4,25000-	2	1,18000+	7	4,09200-	25002	3	52	1557
1,20000+	7	3,77800-	2	1,25000+	7	3,38400-	2	1,30000+	7	2,99100-	25002	3	52	1558
1,35000+	7	2,83300-	2	1,40000+	7	2,59700-	2	1,45000+	7	2,44000-	25002	3	52	1559
1,50000+	7	2,20400-	2								5002	3	52	1560
											5002	3	0	1561
1,20240+	4	2,41030+	1	0		99		0			05002	3	53	1562
0,00000+	0	5,22400+	6	0		0		1			335002	3	53	1563
	33		5								5002	3	53	1564
5,44080+	6	1,00000-	20	5,45000+	6	7,90000-	4	5,50000+	6	4,72000-	35002	3	53	1565
5,55000+	6	1,02300-	2	5,60000+	6	1,41700-	2	5,65000+	6	1,81000-	25002	3	53	1566
5,70000+	6	2,20400-	2	5,75000+	6	2,59700-	2	5,80000+	6	2,91100-	25002	3	53	1567
5,85000+	6	3,30500-	2	5,90000+	6	3,62000-	2	5,95000+	6	4,01400-	25002	3	53	1568
6,00000+	6	4,32900-	2	6,05000+	6	4,64300-	2	6,10000+	6	5,03700-	25002	3	53	1569
6,15000+	6	5,35200-	2	6,20000+	6	5,66600-	2	6,25000+	6	5,98100-	25002	3	53	1570
6,30000+	6	6,29600-	2	6,35000+	6	6,45300-	2	6,40000+	6	6,76800-	25002	3	53	1571
6,45000+	6	6,92600-	2	6,50000+	6	7,08300-	2	6,55000+	6	7,24000-	25002	3	53	1572
6,60000+	6	7,39800-	2	6,65000+	6	7,55500-	2	6,70000+	6	7,71200-	25002	3	53	1573
6,75000+	6	7,79100-	2	6,80000+	6	7,87000-	2	6,85000+	6	8,02700-	25002	3	53	1574
6,90000+	6	8,18500-	2	6,95000+	6	8,26400-	2	7,00000+	6	8,34200-	25002	3	53	1575
											5002	3	0	1576
1,20240+	4	2,41030+	1	0		99		0			05002	3	54	1577
0,00000+	0	6,00000+	6	0		0		1			155002	3	54	1578
	15		5								5002	3	54	1579
6,25200+	6	1,00000-	20	6,35000+	6	2,36000-	3	6,40000+	6	4,72000-	35002	3	54	1580
6,45000+	6	7,08000-	3	6,50000+	6	9,44000-	3	6,55000+	6	1,10200-	25002	3	54	1581
6,60000+	6	1,25900-	2	6,65000+	6	1,41700-	2	6,70000+	6	1,57400-	25002	3	54	1582
6,75000+	6	1,73100-	2	6,80000+	6	1,88900-	2	6,85000+	6	2,04600-	25002	3	54	1583
6,90000+	6	2,20400-	2	6,95000+	6	2,36100-	2	7,00000+	6	2,44000-	25002	3	54	1584
											5002	3	0	1585
1,20240+	4	2,41030+	1	0		99		0			05002	3	55	1586
0,00000+	0	6,44000+	6	0		0		1			75002	3	55	1587
	7		5								5002	3	55	1588
6,71100+	6	1,00000-	20	6,75000+	6	7,90000-	4	6,80000+	6	2,36000-	35002	3	55	1589
6,85000+	6	3,94000-	3	6,90000+	6	5,51000-	3	6,95000+	6	7,08000-	35002	3	55	1590
7,00000+	6	8,66000-	3								5002	3	55	1591
											5002	3	0	1592
1,20240+	4	2,41030+	1	0		99		0			05002	3	102	1593
0,00000+	0	0,00000+	0	0		0		1			6925002	3	102	1594
	692		5								5002	3	102	1595
1,00000-	2	1,00000-	1	2,53000-	2	6,30000-	2	1,00000+	0	1,01000-	25002	3	102	1596
5,00000+	0	4,55000-	3	1,00000+	1	3,18000-	3	5,00000+	1	1,41000-	35002	3	102	1597
1,00000+	2	1,00000-	3	2,00000+	2	7,00000-	4	4,00000+	2	4,90000-	45002	3	102	1598
6,00000+	2	4,10000-	4	8,00000+	2	3,60000+	4	1,00000+	3	3,30000-	45002	3	102	1599
2,00000+	3	2,40000-	4	3,00000+	3	2,00000-	4	4,00000+	3	1,80000-	45002	3	102	1600
5,00000+	3	1,70000-	4	6,00000+	3	1,60000-	4	8,00000+	3	1,55000-	45002	3	102	1601
1,00000+	4	1,60000-	4	1,20000+	4	1,70000-	4	1,30000+	4	1,80000-	45002	3	102	1602
1,40000+	4	2,10000-	4	1,50000+	4	2,40000-	4	1,60000+	4	3,00000-	45002	3	102	1603
1,65000+	4	3,30000-	4	1,70000+	4	4,00000-	4	1,75000+	4	5,00000-	45002	3	102	1604

1.80000+	4	6.00000-	4	1.85000+	4	9.00000-	4	1.90000+	4	1.30000-	35002	3102	1605
1.95000+	4	2.00000-	3	2.00000+	4	5.00000-	3	2.02000+	4	4.00000-	35002	3102	1606
2.04000+	4	5.00000-	3	2.06000+	4	6.80000-	3	2.08000+	4	7.00000-	35002	3102	1607
2.10000+	4	7.00000-	3	2.12000+	4	6.80000-	3	2.14000+	4	6.00000-	35002	3102	1608
2.16000+	4	4.00000-	3	2.18000+	4	3.50000-	3	2.20000+	4	3.00000-	35002	3102	1609
2.25000+	4	1.50000-	3	2.30000+	4	1.00000-	3	2.35000+	4	7.00000-	45002	3102	1610
2.40000+	4	5.00000-	4	2.45000+	4	4.00000-	4	2.50000+	4	3.50000-	45002	3102	1611
2.55000+	4	3.00000-	4	2.60000+	4	2.50000-	4	2.65000+	4	2.30000-	45002	3102	1612
2.70000+	4	2.10000-	4	2.75000+	4	1.90000-	4	2.80000+	4	1.80000-	45002	3102	1613
2.85000+	4	1.70000-	4	2.90000+	4	1.60000-	4	2.95000+	4	1.55000-	45002	3102	1614
3.00000+	4	1.50000-	4	3.20000+	4	1.44000-	4	3.40000+	4	1.40000-	45002	3102	1615
3.60000+	4	1.38000-	4	3.80000+	4	1.38000-	4	4.00000+	4	1.40000-	45002	3102	1616
4.20000+	4	1.44000-	4	4.40000+	4	1.49000-	4	4.60000+	4	1.55000-	45002	3102	1617
4.80000+	4	1.65000-	4	5.00000+	4	1.80000-	4	5.20000+	4	2.00000-	45002	3102	1618
5.40000+	4	2.30000-	4	5.60000+	4	2.50000-	4	5.80000+	4	2.90000-	45002	3102	1619
6.00000+	4	3.30000-	4	6.20000+	4	3.70000-	4	6.40000+	4	4.40000-	45002	3102	1620
6.60000+	4	5.00000-	4	6.80000+	4	6.50000-	4	7.00000+	4	8.00000-	45002	3102	1621
7.20000+	4	1.00000-	3	7.40000+	4	1.50000-	3	7.60000+	4	2.00000-	35002	3102	1622
7.80000+	4	3.00000-	3	8.00000+	4	5.00000-	3	8.10000+	4	6.00000-	35002	3102	1623
8.20000+	4	8.00000-	3	8.30000+	4	9.40000-	3	8.40000+	4	9.60000-	35002	3102	1624
8.50000+	4	9.00000-	3	8.60000+	4	7.00000-	3	8.70000+	4	5.00000-	35002	3102	1625
8.80000+	4	4.00000-	3	8.90000+	4	3.50000-	3	9.00000+	4	2.80000-	35002	3102	1626
9.20000+	4	2.00000-	3	9.40000+	4	1.40000-	3	9.60000+	4	1.00000-	35002	3102	1627
9.80000+	4	7.00000-	4	1.00000+	5	6.00000-	4	1.05000+	5	4.00000-	45002	3102	1628
1.10000+	5	2.85000-	4	1.15000+	5	1.82000-	4	1.20000+	5	1.30000-	45002	3102	1629
1.25000+	5	1.02000-	4	1.30000+	5	8.30000-	5	1.35000+	5	7.10000-	55002	3102	1630
1.40000+	5	6.30000-	5	1.45000+	5	5.80000-	5	1.50000+	5	5.40000-	55002	3102	1631
1.55000+	5	5.10000-	5	1.60000+	5	5.00000-	5	1.65000+	5	4.90000-	55002	3102	1632
1.70000+	5	4.90000-	5	1.75000+	5	5.00000-	5	1.80000+	5	5.10000-	55002	3102	1633
1.85000+	5	5.40000-	5	1.90000+	5	5.70000-	5	1.95000+	5	6.10000-	55002	3102	1634
2.00000+	5	6.50000-	5	2.05000+	5	7.10000-	5	2.10000+	5	7.70000-	55002	3102	1635
2.15000+	5	8.50000-	5	2.20000+	5	9.40000-	5	2.25000+	5	1.02000-	45002	3102	1636
2.30000+	5	1.14000-	4	2.35000+	5	1.27000-	4	2.40000+	5	1.43000-	45002	3102	1637
2.45000+	5	1.55000-	4	2.50000+	5	1.65000-	4	2.55000+	5	1.72000-	45002	3102	1638
2.60000+	5	1.75000-	4	2.65000+	5	1.72000-	4	2.70000+	5	1.65000-	45002	3102	1639
2.75000+	5	1.54000-	4	2.80000+	5	1.40000-	4	2.85000+	5	1.27000-	45002	3102	1640
2.90000+	5	1.15000-	4	2.95000+	5	1.08000-	4	3.00000+	5	9.30000-	55002	3102	1641
3.05000+	5	8.00000-	5	3.10000+	5	7.80000-	5	3.15000+	5	7.10000-	55002	3102	1642
3.20000+	5	6.50000-	5	3.25000+	5	6.10000-	5	3.30000+	5	5.60000-	55002	3102	1643
3.35000+	5	5.30000-	5	3.40000+	5	5.00000-	5	3.45000+	5	4.80000-	55002	3102	1644
3.50000+	5	4.70000-	5	3.55000+	5	4.60000-	5	3.60000+	5	4.65000-	55002	3102	1645
3.65000+	5	4.80000-	5	3.70000+	5	5.00000-	5	3.75000+	5	5.40000-	55002	3102	1646
3.80000+	5	5.90000-	5	3.85000+	5	6.60000-	5	3.90000+	5	7.60000-	55002	3102	1647
3.95000+	5	9.10000-	5	4.00000+	5	1.12000-	4	4.02000+	5	1.24000-	45002	3102	1648
4.04000+	5	1.38000-	4	4.06000+	5	1.54000-	4	4.08000+	5	1.69000-	45002	3102	1649
4.10000+	5	1.89000-	4	4.12000+	5	2.15000-	4	4.14000+	5	2.42000-	45002	3102	1650
4.16000+	5	2.70000-	4	4.18000+	5	3.08000-	4	4.20000+	5	3.48000-	45002	3102	1651
4.22000+	5	3.85000-	4	4.24000+	5	4.20000-	4	4.26000+	5	4.55000-	45002	3102	1652
4.28000+	5	4.85000-	4	4.30000+	5	4.90000-	4	4.32000+	5	4.82000-	45002	3102	1653
4.34000+	5	4.50000-	4	4.36000+	5	4.15000-	4	4.38000+	5	3.70000-	45002	3102	1654
4.40000+	5	3.38000-	4	4.42000+	5	2.95000-	4	4.44000+	5	2.55000-	45002	3102	1655
4.46000+	5	2.25000-	4	4.48000+	5	1.97000-	4	4.50000+	5	1.76000-	45002	3102	1656
4.52000+	5	1.55000-	4	4.54000+	5	1.36000-	4	4.56000+	5	1.22000-	45002	3102	1657

4.58000+	5	1.10000-	4	4.60000+	5	1.57000-	3	4.62000+	5	1.56000-	35002	3102	1658
4.64000+	5	1.55000-	3	4.66000+	5	1.55000-	3	4.68000+	5	1.54000-	35002	3102	1659
4.70000+	5	1.54000-	3	4.72000+	5	1.53000-	3	4.74000+	5	1.52000-	35002	3102	1660
4.76000+	5	1.52000-	3	4.78000+	5	1.51000-	3	4.80000+	5	1.51000-	35002	3102	1661
4.82000+	5	1.50000-	3	4.84000+	5	1.50000-	3	4.86000+	5	1.49000-	35002	3102	1662
4.88000+	5	1.49000-	3	4.90000+	5	1.48000-	3	4.92000+	5	1.48000-	35002	3102	1663
4.94000+	5	1.47000-	3	4.96000+	5	1.47000-	3	4.98000+	5	1.46000-	35002	3102	1664
5.00000+	5	1.46000-	3	5.02000+	5	1.45000-	3	5.04000+	5	1.45000-	35002	3102	1665
5.06000+	5	1.44000-	3	5.08000+	5	1.43000-	3	5.10000+	5	1.43000-	35002	3102	1666
5.15000+	5	1.41000-	3	5.20000+	5	1.40000-	3	5.25000+	5	1.38000-	35002	3102	1667
5.30000+	5	1.37000-	3	5.35000+	5	1.35000-	3	5.40000+	5	1.34000-	35002	3102	1668
5.45000+	5	1.33000-	3	5.50000+	5	1.32000-	3	5.55000+	5	1.31000-	35002	3102	1669
5.60000+	5	1.30000-	3	5.65000+	5	1.29000-	3	5.70000+	5	1.28000-	35002	3102	1670
5.75000+	5	1.27000-	3	5.80000+	5	1.26000-	3	5.85000+	5	1.25000-	35002	3102	1671
5.90000+	5	1.24000-	3	5.95000+	5	1.22000-	3	6.00000+	5	1.21000-	35002	3102	1672
6.05000+	5	1.20000-	3	6.10000+	5	1.19000-	3	6.15000+	5	1.19000-	35002	3102	1673
6.20000+	5	1.18000-	3	6.25000+	5	1.17000-	3	6.30000+	5	1.16000-	35002	3102	1674
6.32000+	5	1.15000-	3	6.34000+	5	1.15000-	3	6.36000+	5	1.15000-	35002	3102	1675
6.38000+	5	1.14000-	3	6.40000+	5	1.14000-	3	6.42000+	5	1.14000-	35002	3102	1676
6.44000+	5	1.13000-	3	6.46000+	5	1.13000-	3	6.48000+	5	1.12000-	35002	3102	1677
6.50000+	5	1.12000-	3	6.52000+	5	1.12000-	3	6.54000+	5	1.12000-	35002	3102	1678
6.56000+	5	1.11000-	3	6.58000+	5	1.11000-	3	6.60000+	5	1.11000-	35002	3102	1679
6.62000+	5	1.10000-	3	6.64000+	5	1.10000-	3	6.66000+	5	1.10000-	35002	3102	1680
6.68000+	5	1.09000-	3	6.70000+	5	1.09000-	3	6.75000+	5	1.08000-	35002	3102	1681
6.80000+	5	1.07000-	3	6.85000+	5	1.07000-	3	6.90000+	5	1.06000-	35002	3102	1682
6.95000+	5	1.05000-	3	7.00000+	5	1.04000-	3	7.05000+	5	1.03000-	35002	3102	1683
7.10000+	5	1.02000-	3	7.15000+	5	1.01000-	3	7.20000+	5	1.01000-	35002	3102	1684
7.25000+	5	1.00000-	3	7.30000+	5	1.00000-	3	7.35000+	5	9.90000-	45002	3102	1685
7.40000+	5	9.80000-	4	7.45000+	5	9.70000-	4	7.50000+	5	9.70000-	45002	3102	1686
7.55000+	5	9.60000-	4	7.60000+	5	9.60000-	4	7.65000+	5	9.50000-	45002	3102	1687
7.70000+	5	9.50000-	4	7.75000+	5	9.40000-	4	7.80000+	5	9.30000-	45002	3102	1688
7.85000+	5	9.20000-	4	7.90000+	5	9.20000-	4	7.95000+	5	9.10000-	45002	3102	1689
8.00000+	5	9.10000-	4	8.05000+	5	9.00000-	4	8.10000+	5	9.00000-	45002	3102	1690
8.15000+	5	8.90000-	4	8.20000+	5	8.90000-	4	8.25000+	5	8.80000-	45002	3102	1691
8.30000+	5	8.80000-	4	8.32000+	5	8.80000-	4	8.34000+	5	8.70000-	45002	3102	1692
8.36000+	5	8.70000-	4	8.38000+	5	8.70000-	4	8.40000+	5	8.70000-	45002	3102	1693
8.42000+	5	8.70000-	4	8.44000+	5	8.60000-	4	8.46000+	5	8.60000-	45002	3102	1694
8.48000+	5	8.60000-	4	8.50000+	5	8.60000-	4	8.52000+	5	8.60000-	45002	3102	1695
8.54000+	5	8.60000-	4	8.56000+	5	8.50000-	4	8.58000+	5	8.50000-	45002	3102	1696
8.60000+	5	8.50000-	4	8.62000+	5	8.50000-	4	8.64000+	5	8.50000-	45002	3102	1697
8.66000+	5	8.50000-	4	8.68000+	5	8.40000-	4	8.70000+	5	8.40000-	45002	3102	1698
8.75000+	5	8.40000-	4	8.80000+	5	8.30000-	4	8.85000+	5	8.30000-	45002	3102	1699
8.90000+	5	8.20000-	4	8.95000+	5	8.20000-	4	9.00000+	5	8.10000-	45002	3102	1700
9.05000+	5	8.00000-	4	9.10000+	5	8.00000-	4	9.15000+	5	7.90000-	45002	3102	1701
9.20000+	5	7.90000-	4	9.25000+	5	7.90000-	4	9.30000+	5	7.80000-	45002	3102	1702
9.35000+	5	7.80000-	4	9.40000+	5	7.80000-	4	9.45000+	5	7.70000-	45002	3102	1703
9.50000+	5	7.70000-	4	9.55000+	5	7.60000-	4	9.60000+	5	7.60000-	45002	3102	1704
9.62000+	5	7.60000-	4	9.64000+	5	7.50000-	4	9.66000+	5	7.50000-	45002	3102	1705
9.68000+	5	7.50000-	4	9.70000+	5	7.50000-	4	9.72000+	5	7.50000-	45002	3102	1706
9.74000+	5	7.50000-	4	9.76000+	5	7.50000-	4	9.78000+	5	7.50000-	45002	3102	1707
9.80000+	5	7.40000-	4	9.82000+	5	7.40000-	4	9.84000+	5	7.40000-	45002	3102	1708
9.86000+	5	7.40000-	4	9.88000+	5	7.40000-	4	9.90000+	5	7.40000-	45002	3102	1709
9.92000+	5	7.40000-	4	9.94000+	5	7.30000-	4	9.96000+	5	7.30000-	45002	3102	1710



2.66000+	6	7.60000-	5	2.68000+	6	7.50000-	5	2.70000+	6	7.50000-	55002	3102	1765
2.72000+	6	7.40000-	5	2.74000+	6	7.40000-	5	2.76000+	6	7.30000-	55002	3102	1766
2.78000+	6	7.30000-	5	2.80000+	6	7.20000-	5	2.82000+	6	7.20000-	55002	3102	1767
2.84000+	6	7.10000-	5	2.86000+	6	7.10000-	5	2.88000+	6	7.00000-	55002	3102	1768
2.90000+	6	7.00000-	5	2.92000+	6	6.90000-	5	2.94000+	6	6.90000-	55002	3102	1769
2.96000+	6	6.80000-	5	2.98000+	6	6.80000-	5	3.00000+	6	6.70000-	55002	3102	1770
3.02000+	6	6.70000-	5	3.04000+	6	6.60000-	5	3.06000+	6	6.60000-	55002	3102	1771
3.08000+	6	6.50000-	5	3.10000+	6	6.50000-	5	3.12000+	6	6.40000-	55002	3102	1772
3.14000+	6	6.30000-	5	3.16000+	6	6.30000-	5	3.18000+	6	6.20000-	55002	3102	1773
3.20000+	6	6.20000-	5	3.25000+	6	6.10000-	5	3.30000+	6	6.00000-	55002	3102	1774
3.35000+	6	6.00000-	5	3.40000+	6	5.90000-	5	3.45000+	6	5.80000-	55002	3102	1775
3.50000+	6	5.70000-	5	3.55000+	6	5.60000-	5	3.60000+	6	5.50000-	55002	3102	1776
3.65000+	6	5.50000-	5	3.70000+	6	5.40000-	5	3.75000+	6	5.30000-	55002	3102	1777
3.80000+	6	5.30000-	5	3.85000+	6	5.20000-	5	3.90000+	6	5.10000-	55002	3102	1778
3.95000+	6	5.00000-	5	4.00000+	6	5.00000-	5	4.05000+	6	4.90000-	55002	3102	1779
4.10000+	6	4.90000-	5	4.15000+	6	4.80000-	5	4.20000+	6	4.80000-	55002	3102	1780
4.25000+	6	4.70000-	5	4.30000+	6	4.60000-	5	4.35000+	6	4.60000-	55002	3102	1781
4.40000+	6	4.50000-	5	4.45000+	6	4.50000-	5	4.50000+	6	4.50000-	55002	3102	1782
4.55000+	6	4.40000-	5	4.60000+	6	4.40000-	5	4.65000+	6	4.30000-	55002	3102	1783
4.70000+	6	4.30000-	5	4.75000+	6	4.20000-	5	4.80000+	6	4.20000-	55002	3102	1784
4.85000+	6	4.10000-	5	4.90000+	6	4.10000-	5	4.95000+	6	4.00000-	55002	3102	1785
5.00000+	6	4.00000-	5	5.05000+	6	4.00000-	5	5.10000+	6	3.90000-	55002	3102	1786
5.15000+	6	3.90000-	5	5.20000+	6	3.90000-	5	5.25000+	6	3.80000-	55002	3102	1787
5.30000+	6	3.80000-	5	5.35000+	6	3.70000-	5	5.40000+	6	3.70000-	55002	3102	1788
5.45000+	6	3.70000-	5	5.50000+	6	3.60000-	5	5.55000+	6	3.60000-	55002	3102	1789
5.60000+	6	3.60000-	5	5.65000+	6	3.50000-	5	5.70000+	6	3.50000-	55002	3102	1790
5.75000+	6	3.50000-	5	5.80000+	6	3.50000-	5	5.85000+	6	3.40000-	55002	3102	1791
5.90000+	6	3.40000-	5	5.95000+	6	3.40000-	5	6.00000+	6	3.30000-	55002	3102	1792
6.05000+	6	3.30000-	5	6.10000+	6	3.30000-	5	6.15000+	6	3.30000-	55002	3102	1793
6.20000+	6	3.20000-	5	6.25000+	6	3.20000-	5	6.30000+	6	3.20000-	55002	3102	1794
6.35000+	6	3.20000-	5	6.40000+	6	3.10000-	5	6.45000+	6	3.10000-	55002	3102	1795
6.50000+	6	3.10000-	5	6.55000+	6	3.10000-	5	6.60000+	6	3.00000-	55002	3102	1796
6.65000+	6	3.00000-	5	6.70000+	6	3.00000-	5	6.75000+	6	3.00000-	55002	3102	1797
6.80000+	6	2.90000-	5	6.85000+	6	2.90000-	5	6.90000+	6	2.90000-	55002	3102	1798
6.95000+	6	2.90000-	5	7.00000+	6	2.80000-	5	7.05000+	6	2.80000-	55002	3102	1799
7.10000+	6	2.80000-	5	7.15000+	6	2.80000-	5	7.20000+	6	2.80000-	55002	3102	1800
7.25000+	6	2.80000-	5	7.30000+	6	2.70000-	5	7.35000+	6	2.70000-	55002	3102	1801
7.40000+	6	2.70000-	5	7.45000+	6	2.70000-	5	7.50000+	6	2.70000-	55002	3102	1802
7.55000+	6	2.70000-	5	7.60000+	6	2.60000-	5	7.65000+	6	2.60000-	55002	3102	1803
7.70000+	6	2.60000-	5	7.75000+	6	2.60000-	5	7.80000+	6	2.60000-	55002	3102	1804
7.85000+	6	2.50000-	5	7.90000+	6	2.50000-	5	7.95000+	6	2.50000-	55002	3102	1805
8.00000+	6	2.50000-	5	8.05000+	6	2.50000-	5	8.10000+	6	2.50000-	55002	3102	1806
8.15000+	6	2.40000-	5	8.20000+	6	2.40000-	5	8.25000+	6	2.40000-	55002	3102	1807
8.30000+	6	2.40000-	5	8.35000+	6	2.40000-	5	8.40000+	6	2.40000-	55002	3102	1808
8.45000+	6	2.40000-	5	8.50000+	6	2.30000-	5	8.55000+	6	2.30000-	55002	3102	1809
8.60000+	6	2.30000-	5	8.65000+	6	2.30000-	5	8.70000+	6	2.30000-	55002	3102	1810
8.75000+	6	2.30000-	5	8.80000+	6	2.30000-	5	8.85000+	6	2.30000-	55002	3102	1811
8.90000+	6	2.20000-	5	8.95000+	6	2.20000-	5	9.00000+	6	2.20000-	55002	3102	1812
9.10000+	6	2.20000-	5	9.20000+	6	2.20000-	5	9.30000+	6	2.10000-	55002	3102	1813
9.40000+	6	2.10000-	5	9.50000+	6	2.10000-	5	9.60000+	6	2.10000-	55002	3102	1814
9.70000+	6	2.10000-	5	9.80000+	6	2.00000-	5	9.90000+	6	2.00000-	55002	3102	1815
1.00000+	7	2.00000-	5	1.01000+	7	2.00000-	5	1.02000+	7	2.00000-	55002	3102	1816
1.03000+	7	1.90000-	5	1.04000+	7	1.90000-	5	1.05000+	7	1.90000-	55002	3102	1817
1.06000+	7	1.90000-	5	1.07000+	7	1.80000-	5	1.08000+	7	1.80000-	55002	3102	1818





1.80000+	7	9.87000-	2	1.85000+	7	9.27000-	2	1.90000+	7	8.60000-	25002	3103	1869
1.95000+	7	7.93000-	2	2.00000+	7	7.10000-	2				5002	3103	1870
											5002	3	0 1871
1.20240+	4	2.41030+	1	0		99		0			05002	3107	1872
0.00000+	0	0.00000+	0	0		0		1			1165002	3107	1873
	116		5								5002	3107	1874
5.30000+	6	1.00000-	20	5.35000+	6	1.00000-	19	5.40000+	6	1.00000-	195002	3107	1875
5.45000+	6	2.00000-	4	5.50000+	6	4.00000-	4	5.55000+	6	7.00000-	45002	3107	1876
5.60000+	6	1.00000-	3	5.65000+	6	1.30000-	3	5.70000+	6	1.50000-	35002	3107	1877
5.75000+	6	1.70000-	3	5.80000+	6	2.00000-	3	5.85000+	6	2.50000-	35002	3107	1878
5.90000+	6	3.00000-	3	5.95000+	6	3.50000-	3	6.00000+	6	4.00000-	35002	3107	1879
6.05000+	6	4.50000-	3	6.10000+	6	5.00000-	3	6.15000+	6	5.50000-	35002	3107	1880
6.20000+	6	6.00000-	3	6.25000+	6	6.50000-	3	6.30000+	6	7.00000-	35002	3107	1881
6.35000+	6	7.50000-	3	6.40000+	6	8.00000-	3	6.45000+	6	8.50000-	35002	3107	1882
6.50000+	6	9.00000-	3	6.55000+	6	9.50000-	3	6.60000+	6	1.00000-	25002	3107	1883
6.65000+	6	1.10000-	2	6.70000+	6	1.20000-	2	6.75000+	6	1.30000-	25002	3107	1884
6.80000+	6	1.40000-	2	6.85000+	6	1.50000-	2	6.90000+	6	1.60000-	25002	3107	1885
6.95000+	6	1.70000-	2	7.00000+	6	1.75000-	2	7.05000+	6	1.80000-	25002	3107	1886
7.10000+	6	1.90000-	2	7.15000+	6	2.05000-	2	7.20000+	6	2.20000-	25002	3107	1887
7.25000+	6	2.30000-	2	7.30000+	6	2.40000-	2	7.35000+	6	2.50000-	25002	3107	1888
7.40000+	6	2.60000-	2	7.45000+	6	2.75000-	2	7.50000+	6	2.90000-	25002	3107	1889
7.55000+	6	3.00000-	2	7.60000+	6	3.10000-	2	7.65000+	6	3.25000-	25002	3107	1890
7.70000+	6	3.40000-	2	7.75000+	6	3.55000-	2	7.80000+	6	3.70000-	25002	3107	1891
7.85000+	6	3.80000-	2	7.90000+	6	3.90000-	2	7.95000+	6	4.05000-	25002	3107	1892
8.00000+	6	4.20000-	2	8.05000+	6	4.35000-	2	8.10000+	6	4.50000-	25002	3107	1893
8.15000+	6	4.65000-	2	8.20000+	6	4.75000-	2	8.25000+	6	4.90000-	25002	3107	1894
8.30000+	6	5.10000-	2	8.35000+	6	5.25000-	2	8.40000+	6	5.40000-	25002	3107	1895
8.45000+	6	5.60000-	2	8.50000+	6	5.80000-	2	8.55000+	6	5.95000-	25002	3107	1896
8.60000+	6	6.10000-	2	8.65000+	6	6.25000-	2	8.70000+	6	6.40000-	25002	3107	1897
8.75000+	6	6.60000-	2	8.80000+	6	6.80000-	2	8.85000+	6	7.01000-	25002	3107	1898
8.90000+	6	7.21000-	2	8.95000+	6	7.37000-	2	9.00000+	6	7.53000-	25002	3107	1899
9.10000+	6	7.94000-	2	9.20000+	6	8.30000-	2	9.30000+	6	8.76000-	25002	3107	1900
9.40000+	6	9.21000-	2	9.50000+	6	9.62000-	2	9.60000+	6	1.00200-	15002	3107	1901
9.70000+	6	1.05300-	1	9.80000+	6	1.08400-	1	9.90000+	6	1.13400-	15002	3107	1902
1.00000+	7	1.17400-	1	1.01000+	7	1.21500-	1	1.02000+	7	1.26100-	15002	3107	1903
1.03000+	7	1.29600-	1	1.04000+	7	1.33500-	1	1.05000+	7	1.37100-	15002	3107	1904
1.06000+	7	1.40700-	1	1.07000+	7	1.44200-	1	1.08000+	7	1.48700-	15002	3107	1905
1.09000+	7	1.51200-	1	1.10000+	7	1.54300-	1	1.12000+	7	1.60800-	15002	3107	1906
1.14000+	7	1.66500-	1	1.16000+	7	1.72000-	1	1.18000+	7	1.77200-	15002	3107	1907
1.20000+	7	1.82600-	1	1.25000+	7	1.94000-	1	1.30000+	7	2.01900-	15002	3107	1908
1.35000+	7	2.06500-	1	1.40000+	7	2.08000-	1	1.45000+	7	2.06400-	15002	3107	1909
1.50000+	7	2.02700-	1	1.55000+	7	1.95700-	1	1.60000+	7	1.87700-	15002	3107	1910
1.65000+	7	1.80700-	1	1.70000+	7	1.73700-	1	1.75000+	7	1.64700-	15002	3107	1911
1.80000+	7	1.55500-	1	1.85000+	7	1.46300-	1	1.90000+	7	1.38000-	15002	3107	1912
1.95000+	7	1.28700-	1	2.00000+	7	1.21600-	1				5002	3107	1913
											5002	3	0 1914
1.20240+	4	2.41030+	1	0		99		0			05002	3110	1915
0.00000+	0	0.00000+	0	0		0		1			25002	3110	1916
	2		2								5002	3110	1917
1.00000-	2	1.00000+	0	2.00000+	7	1.00000+	0				5002	3110	1918
											5002	3	0 1919
1.20240+	4	2.41030+	1	0		99		0			05002	3251	1920
0.00000+	0	0.00000+	0	0		0		1			1725002	3251	1921

172		3				5002		3251	1922
1.00000	- 2 2.76590-	2 1.50000+	3 2.76590-	2 2.00000+	3-2.65110-	25002	3251	1923	
2.50000	+ 4-6.12290-	2 3.00000+	4-7.68360-	2 3.50000+	4-8.05860-	25002	3251	1924	
4.00000	+ 4-6.76200-	2 4.50000+	4-5.37130-	2 5.00000+	4-3.22340-	25002	3251	1925	
5.50000	+ 4-1.94700-	2 6.00000+	4-8.37900-	3 6.50000+	4 2.59290-	45002	3251	1926	
7.00000	+ 4 4.64320-	4 7.50000+	4 9.44210-	3 8.00000+	4 1.04710-	25002	3251	1927	
8.50000	+ 4 1.49050-	2 9.00000+	4 1.76630-	2 9.50000+	4 1.61390-	25002	3251	1928	
1.00000	+ 5 1.84390-	2 1.10000+	5-2.12020-	4 1.20000+	5 2.58240-	25002	3251	1929	
1.30000	+ 5 2.61050-	2 1.40000+	5 2.94420-	2 1.50000+	5 2.73960-	25002	3251	1930	
1.60000	+ 5 2.94940-	2 1.70000+	5 3.42270-	2 1.80000+	5 3.90210-	25002	3251	1931	
1.90000	+ 5 1.15390-	2 2.00000+	5 4.48750-	2 2.10000+	5 5.41450-	25002	3251	1932	
2.20000	+ 5 5.55430-	2 2.30000+	5 6.11740-	2 2.40000+	5 6.97540-	25002	3251	1933	
2.50000	+ 5 8.07400-	2 2.60000+	5 8.55350-	2 2.70000+	5 9.94280-	25002	3251	1934	
2.80000	+ 5 1.07220-	1 2.90000+	5 1.17470-	1 3.00000+	5 1.34630-	15002	3251	1935	
3.20000	+ 5 1.52060-	1 3.40000+	5 1.76380-	1 3.60000+	5 2.05320-	15002	3251	1936	
3.80000	+ 5 2.33190-	1 4.00000+	5 2.51910-	1 4.20000+	5 2.74120-	15002	3251	1937	
4.40000	+ 5 2.99940-	1 4.60000+	5 3.23280-	1 4.80000+	5 3.33010-	15002	3251	1938	
5.00000	+ 5 3.45410-	1 5.20000+	5 3.50310-	1 5.40000+	5 3.51920-	15002	3251	1939	
5.60000	+ 5 3.78780-	1 5.80000+	5 3.60160-	1 6.00000+	5 3.64860-	15002	3251	1940	
6.20000	+ 5 3.61960-	1 6.40000+	5 3.64330-	1 6.60000+	5 3.66340-	15002	3251	1941	
6.80000	+ 5 3.63450-	1 7.00000+	5 3.66000-	1 7.50000+	5 3.73030-	15002	3251	1942	
8.00000	+ 5 3.75450-	1 8.50000+	5 3.69330-	1 9.00000+	5 3.72450-	15002	3251	1943	
9.50000	+ 5 3.70590-	1 1.00000+	6 3.72580-	1 1.10000+	6 3.71200-	15002	3251	1944	
1.20000	+ 6 3.71790-	1 1.30000+	6 3.71200-	1 1.40000+	6 3.76110-	15002	3251	1945	
1.50000	+ 6 3.74260-	1 1.60000+	6 3.74120-	1 1.70000+	6 3.81930-	15002	3251	1946	
1.80000	+ 6 3.83160-	1 1.90000+	6 3.84010-	1 2.00000+	6 3.73970-	15002	3251	1947	
2.10000	+ 6 3.52340-	1 2.30000+	6 3.45140-	1 2.40000+	6 3.39490-	15002	3251	1948	
2.50000	+ 6 3.23120-	1 2.60000+	6 3.18930-	1 2.70000+	6 3.19280-	15002	3251	1949	
2.80000	+ 6 3.22170-	1 2.90000+	6 3.21260-	1 3.00000+	6 3.28880-	15002	3251	1950	
3.20000	+ 6 3.38190-	1 3.40000+	6 3.46530-	1 3.60000+	6 3.58820-	15002	3251	1951	
3.80000	+ 6 3.71510-	1 4.00000+	6 3.86200-	1 4.20000+	6 3.98010-	15002	3251	1952	
4.40000	+ 6 4.17010-	1 4.60000+	6 4.21710-	1 4.80000+	6 4.41390-	15002	3251	1953	
5.00000	+ 6 4.45770-	1 5.10000+	6 4.52770-	1 5.50000+	6 4.40560-	15002	3251	1954	
5.30000	+ 6 4.41070-	1 5.40000+	6 4.49940-	1 5.50000+	6 4.53140-	15002	3251	1955	
5.60000	+ 6 4.38970-	1 5.70000+	6 4.35150-	1 5.80000+	6 4.37360-	15002	3251	1956	
5.90000	+ 6 4.34590-	1 6.00000+	6 4.34700-	1 6.10000+	6 4.18220-	15002	3251	1957	
6.20000	+ 6 4.36400-	1 6.30000+	6 4.35020-	1 6.40000+	6 4.32260-	15002	3251	1958	
6.50000	+ 6 4.30040-	1 6.60000+	6 4.20240-	1 6.70000+	6 4.27580-	15002	3251	1959	
6.80000	+ 6 4.27220-	1 6.90000+	6 4.28970-	1 7.00000+	6 4.17490-	15002	3251	1960	
7.10000	+ 6 4.14970-	1 7.20000+	6 4.19810-	1 7.30000+	6 4.16950-	15002	3251	1961	
7.40000	+ 6 4.21630-	1 7.50000+	6 4.19060-	1 7.60000+	6 4.20950-	15002	3251	1962	
7.70000	+ 6 4.16920-	1 7.80000+	6 4.17590-	1 7.90000+	6 4.16490-	15002	3251	1963	
8.00000	+ 6 4.21050-	1 8.10000+	6 4.22900-	1 8.20000+	6 4.14710-	15002	3251	1964	
8.30000	+ 6 4.17970-	1 8.40000+	6 4.17610-	1 8.50000+	6 4.21870-	15002	3251	1965	
8.60000	+ 6 4.20920-	1 8.70000+	6 4.17120-	1 8.80000+	6 4.17440-	15002	3251	1966	
8.90000	+ 6 4.27800-	1 9.00000+	6 4.29210-	1 9.10000+	6 4.26850-	15002	3251	1967	
9.20000	+ 6 4.33110-	1 9.30000+	6 4.27910-	1 9.40000+	6 4.31520-	15002	3251	1968	
9.50000	+ 6 4.33530-	1 9.60000+	6 4.32960-	1 9.70000+	6 4.43080-	15002	3251	1969	
9.80000	+ 6 4.47100-	1 9.90000+	6 4.35580-	1 1.00000+	7 4.41540-	15002	3251	1970	
1.10000	+ 7 4.49530-	1 1.02000+	7 4.46410-	1 1.03000+	7 4.38150-	15002	3251	1971	
1.04000	+ 7 4.47720-	1 1.05000+	7 4.62310-	1 1.06000+	7 4.63380-	15002	3251	1972	
1.07000	+ 7 4.55250-	1 1.08000+	7 4.62980-	1 1.09000+	7 4.59020-	15002	3251	1973	
1.10000	+ 7 4.75760-	1 1.15000+	7 4.75350-	1 1.20000+	7 5.01730-	15002	3251	1974	

1.25000+	7	5.13540-	1	1.30000+	7	5.14950-	1	1.35000+	7	5.42080-	15002	3251	1975
1.40000+	7	5.45990-	1	1.45000+	7	5.67950-	1	1.50000+	7	5.91920-	15002	3251	1976
1.55000+	7	6.02390-	1	1.60000+	7	6.13350-	1	1.65000+	7	6.25350-	15002	3251	1977
1.70000+	7	6.53960-	1	1.75000+	7	6.45170-	1	1.80000+	7	6.70160-	15002	3251	1978
1.85000+	7	6.79090-	1	1.90000+	7	6.86600-	1	1.95000+	7	7.08470-	15002	3251	1979
2.00000+	7	7.62280-	1							5002	3251	1980	
										5002	3	0	1981
										5002	0	0	1982
1.20240+	4	2.41030+	1		1		2		1	0500214	5	6680	
										500214	0	6681	
1.20240+	4	2.41030+	1		0		2		1	0500214	6	6682	
9.70000+	6	3.92000+	5		0		0		1	10500214	6	6683	
	10		2							500214	6	6684	
***** ES SHOULD BE EQUAL TO THE ABSOLUTE VALUE OF 0. *****													
0.00000+	0	1.01650+	6		0		0		1	21500214	6	6685	
	21		2							500214	6	6686	
1.00000+	0	5.14830-	1-9.00000-	1	5.10650-	1-8.00000-	1	5.06700-	1500214	6	6687		
7.00000-	1	5.03250-	1-6.00000-	1	5.00690-	1-5.00000-	1	4.98080-	1500214	6	6688		
4.00000-	1	4.96160-	1-3.00000-	1	4.94490-	1-2.00000-	1	4.93500-	1500214	6	6689		
1.00000-	1	4.92760-	1 0.00000+	0	4.92660-	1 1.00000-	1	4.92760-	1500214	6	6690		
2.00000-	1	4.93500-	1 3.00000-	1	4.94490-	1 4.00000-	1	4.96160-	1500214	6	6691		
5.00000-	1	4.98080-	1 6.00000-	1	5.00690-	1 7.00000-	1	5.03250-	1500214	6	6692		
8.00000-	1	5.06700-	1 9.00000-	1	5.10650-	1 1.00000+	0	5.14830-	1500214	6	6693		
0.00000+	0	1.20000+	6		0		0		1	21500214	6	6694	
	21		2							500214	6	6695	
1.00000+	0	5.17960-	1-9.00000-	1	5.12710-	1-8.00000-	1	5.08050-	1500214	6	6696		
7.00000-	1	5.04120-	1-6.00000-	1	5.00780-	1-5.00000-	1	4.97830-	1500214	6	6697		
4.00000-	1	4.95230-	1-3.00000-	1	4.93410-	1-2.00000-	1	4.92190-	1500214	6	6698		
1.00000-	1	4.91200-	1 0.00000+	0	4.90960-	1 1.00000-	1	4.91200-	1500214	6	6699		
2.00000-	1	4.92190-	1 3.00000-	1	4.93410-	1 4.00000-	1	4.95230-	1500214	6	6700		
5.00000-	1	4.97830-	1 6.00000-	1	5.00780-	1 7.00000-	1	5.04120-	1500214	6	6701		
8.00000-	1	5.08050-	1 9.00000-	1	5.12710-	1 1.00000+	0	5.17960-	1500214	6	6702		
0.00000+	0	1.40000+	6		0		0		1	21500214	6	6703	
	21		2							500214	6	6704	
1.00000+	0	5.17990-	1-9.00000-	1	5.12790-	1-8.00000-	1	5.08320-	1500214	6	6705		
7.00000-	1	5.03900-	1-6.00000-	1	5.00610-	1-5.00000-	1	4.97860-	1500214	6	6706		
4.00000-	1	4.95210-	1-3.00000-	1	4.93240-	1-2.00000-	1	4.92320-	1500214	6	6707		
1.00000-	1	4.91240-	1 0.00000+	0	4.91000-	1 1.00000-	1	4.91240-	1500214	6	6708		
2.00000-	1	4.92320-	1 3.00000-	1	4.93240-	1 4.00000-	1	4.95210-	1500214	6	6709		
5.00000-	1	4.97860-	1 6.00000-	1	5.00610-	1 7.00000-	1	5.03900-	1500214	6	6710		
8.00000-	1	5.08320-	1 9.00000-	1	5.12790-	1 1.00000+	0	5.17990-	1500214	6	6711		
0.00000+	0	1.60000+	6		0		0		1	21500214	6	6712	
	21		2							500214	6	6713	
1.00000+	0	5.17230-	1-9.00000-	1	5.12460-	1-8.00000-	1	5.07740-	1500214	6	6714		
7.00000-	1	5.04160-	1-6.00000-	1	5.00720-	1-5.00000-	1	4.97580-	1500214	6	6715		
4.00000-	1	4.95610-	1-3.00000-	1	4.93650-	1-2.00000-	1	4.92420-	1500214	6	6716		
1.00000-	1	4.91430-	1 0.00000+	0	4.91190-	1 1.00000-	1	4.91430-	1500214	6	6717		
2.00000-	1	4.92420-	1 3.00000-	1	4.93650-	1 4.00000-	1	4.95610-	1500214	6	6718		
5.00000-	1	4.97580-	1 6.00000-	1	5.00720-	1 7.00000-	1	5.04160-	1500214	6	6719		
8.00000-	1	5.07740-	1 9.00000-	1	5.12460-	1 1.00000+	0	5.17230-	1500214	6	6720		
0.00000+	0	1.80000+	6		0		0		1	21500214	6	6721	
	21		2							500214	6	6722	
1.00000+	0	5.17660-	1-9.00000-	1	5.12410-	1-8.00000-	1	5.08090-	1500214	6	6723		
7.00000-	1	5.04160-	1-6.00000-	1	5.00570-	1-5.00000-	1	4.97530-	1500214	6	6724		

4.00000-	1	4.95560-	1-3.00000-	1	4.93600-	1-2.00000-	1	4.92370-	1500214	6	6725
1.00000-	1	4.91290-	1 0.00000+	0	4.91140-	1 1.00000-	1	4.91290-	1500214	6	6726
2.00000-	1	4.92370-	1 3.00000-	1	4.93600-	1 4.00000-	1	4.95560-	1500214	6	6727
5.00000-	1	4.97530-	1 6.00000-	1	5.00570-	1 7.00000-	1	5.04160-	1500214	6	6728
8.00000-	1	5.08090-	1 9.00000-	1	5.12410-	1 1.00000+	0	5.17660-	1500214	6	6729
0.00000+	0	2.00000+	6	0	0	0	1	21500214	6	6730	
	21		2					500214	6	6731	
1.00000+	0	5.16940-	1-9.00000-	1	5.12170-	1-8.00000-	1	5.07890-	1500214	6	6732
7.00000-	1	5.04010-	1-6.00000-	1	5.00720-	1-5.00000-	1	4.97770-	1500214	6	6733
4.00000-	1	4.95320-	1-3.00000-	1	4.93700-	1-2.00000-	1	4.92710-	1500214	6	6734
1.00000-	1	4.91580-	1 0.00000+	0	4.91380-	1 1.00000-	1	4.91580-	1500214	6	6735
2.00000-	1	4.92710-	1 3.00000-	1	4.93700-	1 4.00000-	1	4.95320-	1500214	6	6736
5.00000-	1	4.97770-	1 6.00000-	1	5.00720-	1 7.00000-	1	5.04010-	1500214	6	6737
8.00000-	1	5.07890-	1 9.00000-	1	5.12170-	1 1.00000+	0	5.16940-	1500214	6	6738
0.00000+	0	2.50000+	6	0	0	0	1	21500214	6	6739	
	21		2					500214	6	6740	
1.00000+	0	5.15350-	1-9.00000-	1	5.11390-	1-8.00000-	1	5.06790-	1500214	6	6741
7.00000-	1	5.03150-	1-6.00000-	1	5.00640-	1-5.00000-	1	4.98530-	1500214	6	6742
4.00000-	1	4.96160-	1-3.00000-	1	4.94380-	1-2.00000-	1	4.92950-	1500214	6	6743
1.00000-	1	4.92260-	1 0.00000+	0	4.92170-	1 1.00000-	1	4.92260-	1500214	6	6744
2.00000-	1	4.92950-	1 3.00000-	1	4.94380-	1 4.00000-	1	4.96160-	1500214	6	6745
5.00000-	1	4.98530-	1 6.00000-	1	5.00640-	1 7.00000-	1	5.03150-	1500214	6	6746
8.00000-	1	5.06790-	1 9.00000-	1	5.11390-	1 1.00000+	0	5.15350-	1500214	6	6747
0.00000+	0	3.00000+	6	0	0	0	1	21500214	6	6748	
	21		2					500214	6	6749	
1.00000+	0	5.14460-	1-9.00000-	1	5.10930-	1-8.00000-	1	5.05880-	1500214	6	6750
7.00000-	1	5.02140-	1-6.00000-	1	5.00780-	1-5.00000-	1	4.99570-	1500214	6	6751
4.00000-	1	4.96250-	1-3.00000-	1	4.94780-	1-2.00000-	1	4.93420-	1500214	6	6752
1.00000-	1	4.92730-	1 0.00000+	0	4.92620-	1 1.00000-	1	4.92730-	1500214	6	6753
2.00000-	1	4.93420-	1 3.00000-	1	4.94780-	1 4.00000-	1	4.96250-	1500214	6	6754
5.00000-	1	4.99570-	1 6.00000-	1	5.00780-	1 7.00000-	1	5.02140-	1500214	6	6755
8.00000-	1	5.05880-	1 9.00000-	1	5.10930-	1 1.00000+	0	5.14460-	1500214	6	6756
0.00000+	0	3.50000+	6	0	0	0	1	21500214	6	6757	
	21		2					500214	6	6758	
1.00000+	0	5.14540-	1-9.00000-	1	5.10770-	1-8.00000-	1	5.05940-	1500214	6	6759
7.00000-	1	5.02280-	1-6.00000-	1	5.00760-	1-5.00000-	1	4.99410-	1500214	6	6760
4.00000-	1	4.96130-	1-3.00000-	1	4.94740-	1-2.00000-	1	4.93510-	1500214	6	6761
1.00000-	1	4.92820-	1 0.00000+	0	4.92720-	1 1.00000-	1	4.92820-	1500214	6	6762
2.00000-	1	4.93510-	1 3.00000-	1	4.94740-	1 4.00000-	1	4.96130-	1500214	6	6763
5.00000-	1	4.99410-	1 6.00000-	1	5.00760-	1 7.00000-	1	5.02280-	1500214	6	6764
8.00000-	1	5.05940-	1 9.00000-	1	5.10770-	1 1.00000+	0	5.14540-	1500214	6	6765
0.00000+	0	4.00000+	6	0	0	0	1	21500214	6	6766	
	21		2					500214	6	6767	
1.00000+	0	5.15600-	1-9.00000-	1	5.10920-	1-8.00000-	1	5.06980-	1500214	6	6768
7.00000-	1	5.03580-	1-6.00000-	1	5.00580-	1-5.00000-	1	4.98070-	1500214	6	6769
4.00000-	1	4.95800-	1-3.00000-	1	4.94270-	1-2.00000-	1	4.93240-	1500214	6	6770
1.00000-	1	4.92550-	1 0.00000+	0	4.92450-	1 1.00000-	1	4.92550-	1500214	6	6771
2.00000-	1	4.93240-	1 3.00000-	1	4.94270-	1 4.00000-	1	4.95800-	1500214	6	6772
5.00000-	1	4.98070-	1 6.00000-	1	5.00580-	1 7.00000-	1	5.03580-	1500214	6	6773
8.00000-	1	5.06980-	1 9.00000-	1	5.10920-	1 1.00000+	0	5.15600-	1500214	6	6774
								500214	0	6775	
1.20240+	4	2.41030+	1	0	2	1	1	0500214	7	6776	
1.36800+	6	1.36800+	6	0	0	1	1	23500214	7	6777	

	23	2					500214	7 6778
0.00000+	0 1.42500+	6	0	0	1		21500214	7 6779
	21	2					500214	7 6780
1.00000+	0 6.07940-	1-9.00000-	1 6.31810-	1-8.00000-	1 6.24570-	1500214	7 6781	
7.00000-	1 5.96760-	1-6.00000-	1 5.54770-	1-5.00000-	1 5.05260-	1500214	7 6782	
4.00000-	1 4.55650-	1-3.00000-	1 4.13250-	1-2.00000-	1 3.77970-	1500214	7 6783	
1.00000-	1 3.59340-	1 0.00000+	0 3.53280-	1 1.00000-	1 3.59340-	1500214	7 6784	
2.00000-	1 3.77970-	1 3.00000-	1 4.13250-	1 4.00000-	1 4.55650-	1500214	7 6785	
5.00000-	1 5.05260-	1 6.00000-	1 5.54770-	1 7.00000-	1 5.96760-	1500214	7 6786	
8.00000-	1 6.24570-	1 9.00000-	1 6.31810-	1 1.00000+	0 6.07940-	1500214	7 6787	
0.00000+	0 1.60000+	6	0	0	1		21500214	7 6788
	21	2					500214	7 6789
1.00000+	0 5.83210-	1-9.00000-	1 5.87740-	1-8.00000-	1 5.76240-	1500214	7 6790	
7.00000-	1 5.55740-	1-6.00000-	1 5.27850-	1-5.00000-	1 4.98310-	1500214	7 6791	
4.00000-	1 4.70840-	1-3.00000-	1 4.45820-	1-2.00000-	1 4.26550-	1500214	7 6792	
1.00000-	1 4.14240-	1 0.00000+	0 4.10140-	1 1.00000-	1 4.14240-	1500214	7 6793	
2.00000-	1 4.26550-	1 3.00000-	1 4.45820-	1 4.00000-	1 4.70840-	1500214	7 6794	
5.00000-	1 4.98310-	1 6.00000-	1 5.27850-	1 7.00000-	1 5.55740-	1500214	7 6795	
8.00000-	1 5.76240-	1 9.00000-	1 5.87740-	1 1.00000+	0 5.83210-	1500214	7 6796	
0.00000+	0 1.80000+	6	0	0	1		21500214	7 6797
	21	2					500214	7 6798
1.00000+	0 5.77530-	1-9.00000-	1 5.76740-	1-8.00000-	1 5.64760-	1500214	7 6799	
7.00000-	1 5.44400-	1-6.00000-	1 5.20320-	1-5.00000-	1 4.97110-	1500214	7 6800	
4.00000-	1 4.73520-	1-3.00000-	1 4.53550-	1-2.00000-	1 4.38530-	1500214	7 6801	
1.00000-	1 4.29620-	1 0.00000+	0 4.25370-	1 1.00000-	1 4.29620-	1500214	7 6802	
2.00000-	1 4.38530-	1 3.00000-	1 4.53550-	1 4.00000-	1 4.73520-	1500214	7 6803	
5.00000-	1 4.97110-	1 6.00000-	1 5.20320-	1 7.00000-	1 5.44400-	1500214	7 6804	
8.00000-	1 5.64760-	1 9.00000-	1 5.76740-	1 1.00000+	0 5.77530-	1500214	7 6805	
0.00000+	0 2.00000+	6	0	0	1		21500214	7 6806
	21	2					500214	7 6807
1.00000+	0 5.77240-	1-9.00000-	1 5.75950-	1-8.00000-	1 5.63580-	1500214	7 6808	
7.00000-	1 5.44360-	1-6.00000-	1 5.20870-	1-5.00000-	1 4.94410-	1500214	7 6809	
4.00000-	1 4.71780-	1-3.00000-	1 4.54700-	1-2.00000-	1 4.41040-	1500214	7 6810	
1.00000-	1 4.31220-	1 0.00000+	0 4.26950-	1 1.00000-	1 4.31220-	1500214	7 6811	
2.00000-	1 4.41040-	1 3.00000-	1 4.54700-	1 4.00000-	1 4.71780-	1500214	7 6812	
5.00000-	1 4.94410-	1 6.00000-	1 5.20870-	1 7.00000-	1 5.44360-	1500214	7 6813	
8.00000-	1 5.63580-	1 9.00000-	1 5.75950-	1 1.00000+	0 5.77240-	1500214	7 6814	
0.00000+	0 2.50000+	6	0	0	1		21500214	7 6815
	21	2					500214	7 6816
1.00000+	0 5.81980-	1-9.00000-	1 5.73050-	1-8.00000-	1 5.56880-	1500214	7 6817	
7.00000-	1 5.37440-	1-6.00000-	1 5.15410-	1-5.00000-	1 4.94370-	1500214	7 6818	
4.00000-	1 4.74210-	1-3.00000-	1 4.57660-	1-2.00000-	1 4.45710-	1500214	7 6819	
1.00000-	1 4.36850-	1 0.00000+	0 4.34840-	1 1.00000-	1 4.36850-	1500214	7 6820	
2.00000-	1 4.45710-	1 3.00000-	1 4.57660-	1 4.00000-	1 4.74210-	1500214	7 6821	
5.00000-	1 4.94370-	1 6.00000-	1 5.15410-	1 7.00000-	1 5.37440-	1500214	7 6822	
8.00000-	1 5.56880-	1 9.00000-	1 5.73050-	1 1.00000+	0 5.81980-	1500214	7 6823	
0.00000+	0 3.00000+	6	0	0	1		21500214	7 6824
	21	2					500214	7 6825
1.00000+	0 5.75680-	1-9.00000-	1 5.77340-	1-8.00000-	1 5.67410-	1500214	7 6826	
7.00000-	1 5.47970-	1-6.00000-	1 5.58310-	1-5.00000-	1 4.94210-	1500214	7 6827	
4.00000-	1 4.68980-	1-3.00000-	1 4.45820-	1-2.00000-	1 4.28050-	1500214	7 6828	
1.00000-	1 4.17280-	1 0.00000+	0 4.13570-	1 1.00000-	1 4.17280-	1500214	7 6829	
2.00000-	1 4.28050-	1 3.00000-	1 4.45820-	1 4.00000-	1 4.68980-	1500214	7 6830	

5.00000-	1	4.94210-	1	6.00000-	1	5.58310-	1	7.00000-	1	5.47970-	1500214	7	6831
8.00000-	1	5.67410-	1	9.00000-	1	5.77340-	1	1.00000+	0	5.75680-	1500214	7	6832
0.00000+	0	3.50000+	6		0		0		1		21500214	7	6833
	21		2								500214	7	6834
1.00000+	0	5.82240-	1	9.00000-	1	5.86670-	1	8.00000-	1	5.75480-	1500214	7	6835
7.00000-	1	5.54570-	1	6.00000-	1	5.27560-	1	5.00000-	1	4.98850-	1500214	7	6836
4.00000-	1	4.71210-	1	3.00000-	1	4.46840-	1	2.00000-	1	4.27130-	1500214	7	6837
1.00000-	1	4.15040-	1	0.00000+	0	4.11080-	1	1.00000-	1	4.15040-	1500214	7	6838
2.00000-	1	4.27130-	1	3.00000-	1	4.46840-	1	4.00000-	1	4.71210-	1500214	7	6839
5.00000-	1	4.98850-	1	6.00000-	1	5.27560-	1	7.00000-	1	5.54570-	1500214	7	6840
8.00000-	1	5.75480-	1	9.00000-	1	5.86670-	1	1.00000+	0	5.82240-	1500214	7	6841
0.00000+	0	4.00000+	6		0		0		1		21500214	7	6842
	21		2								500214	7	6843
1.00000+	0	5.73860-	1	9.00000-	1	5.81700-	1	8.00000-	1	5.73860-	1500214	7	6844
7.00000-	1	5.55290-	1	6.00000-	1	5.29270-	1	5.00000-	1	4.99540-	1500214	7	6845
4.00000-	1	4.72710-	1	3.00000-	1	4.47940-	1	2.00000-	1	4.29360-	1500214	7	6846
1.00000-	1	4.16980-	1	0.00000+	0	4.12850-	1	1.00000-	1	4.16980-	1500214	7	6847
2.00000-	1	4.29360-	1	3.00000-	1	4.47940-	1	4.00000-	1	4.72710-	1500214	7	6848
5.00000-	1	4.99540-	1	6.00000-	1	5.29270-	1	7.00000-	1	5.55290-	1500214	7	6849
8.00000-	1	5.73860-	1	9.00000-	1	5.81700-	1	1.00000+	0	5.73860-	1500214	7	6850
0.00000+	0	4.50000+	6		0		0		1		21500214	7	6851
	21		2								500214	7	6852
1.00000+	0	5.71350-	1	9.00000-	1	5.77130-	1	8.00000-	1	5.68390-	1500214	7	6853
7.00000-	1	5.44680-	1	6.00000-	1	5.26260-	1	5.00000-	1	4.99800-	1500214	7	6854
4.00000-	1	4.74440-	1	3.00000-	1	4.53260-	1	2.00000-	1	4.35500-	1500214	7	6855
1.00000-	1	4.24670-	1	0.00000+	0	4.20390-	1	1.00000-	1	4.24670-	1500214	7	6856
2.00000-	1	4.35500-	1	3.00000-	1	4.53260-	1	4.00000-	1	4.74440-	1500214	7	6857
5.00000-	1	4.99800-	1	6.00000-	1	5.26260-	1	7.00000-	1	5.44680-	1500214	7	6858
8.00000-	1	5.68390-	1	9.00000-	1	5.77130-	1	1.00000+	0	5.71350-	1500214	7	6859
0.00000+	0	5.00000+	6		0		0		1		21500214	7	6860
	21		2								500214	7	6861
1.00000+	0	5.67620-	1	9.00000-	1	5.72570-	1	8.00000-	1	5.64080-	1500214	7	6862
7.00000-	1	5.47300-	1	6.00000-	1	5.24650-	1	5.00000-	1	4.99880-	1500214	7	6863
4.00000-	1	4.75520-	1	3.00000-	1	4.54980-	1	2.00000-	1	4.37800-	1500214	7	6864
1.00000-	1	4.27280-	1	0.00000+	0	4.24240-	1	1.00000-	1	4.27280-	1500214	7	6865
2.00000-	1	4.37800-	1	3.00000-	1	4.54980-	1	4.00000-	1	4.75520-	1500214	7	6866
5.00000-	1	4.99880-	1	6.00000-	1	5.24650-	1	7.00000-	1	5.47300-	1500214	7	6867
8.00000-	1	5.64080-	1	9.00000-	1	5.72570-	1	1.00000+	0	5.67620-	1500214	7	6868
0.00000+	0	5.50000+	6		0		0		1		21500214	7	6869
	21		2								500214	7	6870
1.00000+	0	5.65480-	1	9.00000-	1	5.68650-	1	8.00000-	1	5.60660-	1500214	7	6871
7.00000-	1	5.43410-	1	6.00000-	1	5.22270-	1	5.00000-	1	4.99800-	1500214	7	6872
4.00000-	1	4.76830-	1	3.00000-	1	4.56800-	1	2.00000-	1	4.41550-	1500214	7	6873
1.00000-	1	4.32540-	1	0.00000+	0	4.29510-	1	1.00000-	1	4.32540-	1500214	7	6874
2.00000-	1	4.41550-	1	3.00000-	1	4.56800-	1	4.00000-	1	4.76830-	1500214	7	6875
5.00000-	1	4.99800-	1	6.00000-	1	5.22270-	1	7.00000-	1	5.43410-	1500214	7	6876
8.00000-	1	5.60660-	1	9.00000-	1	5.68650-	1	1.00000+	0	5.65480-	1500214	7	6877
0.00000+	0	6.00000+	6		0		0		1		21500214	7	6878
	21		2								500214	7	6879
1.00000+	0	5.67310-	1	9.00000-	1	5.64250-	1	8.00000-	1	5.52500-	1500214	7	6880
7.00000-	1	5.35580-	1	6.00000-	1	5.16430-	1	5.00000-	1	4.97180-	1500214	7	6881
4.00000-	1	4.77610-	1	3.00000-	1	4.60890-	1	2.00000-	1	4.50110-	1500214	7	6882
1.00000-	1	4.42280-	1	0.00000+	0	4.39000-	1	1.00000-	1	4.42280-	1500214	7	6883

2.00000-	1	4.50110-	1	3.00000-	1	4.60890-	1	4.00000-	1	4.77610-	1500214	7	6884
5.00000-	1	4.97180-	1	6.00000-	1	5.16430-	1	7.00000-	1	5.35580-	1500214	7	6885
8.00000-	1	5.52500-	1	9.00000-	1	5.64250-	1	1.00000+	0	5.67310-	1500214	7	6886
0.00000+	0	6.50000+	6		0		0		1		21500214	7	6887
	21		2								500214	7	6888
1.00000+	0	5.69120-	1	9.00000-	1	5.60870-	1	8.00000-	1	5.47550-	1500214	7	6889
7.00000-	1	5.31380-	1	6.00000-	1	5.13510-	1	5.00000-	1	4.95120-	1500214	7	6890
4.00000-	1	4.78850-	1	3.00000-	1	4.64990-	1	2.00000-	1	4.53900-	1500214	7	6891
1.00000-	1	4.46820-	1	0.00000+	0	4.44910-	1	1.00000-	1	4.46820-	1500214	7	6892
2.00000-	1	4.53900-	1	3.00000-	1	4.64990-	1	4.00000-	1	4.78850-	1500214	7	6893
5.00000-	1	4.95120-	1	6.00000-	1	5.13510-	1	7.00000-	1	5.31380-	1500214	7	6894
8.00000-	1	5.47550-	1	9.00000-	1	5.60870-	1	1.00000+	0	5.69120-	1500214	7	6895
0.00000+	0	7.00000+	6		0		0		1		21500214	7	6896
	21		2								500214	7	6897
1.00000+	0	5.72740-	1	9.00000-	1	5.59720-	1	8.00000-	1	5.45310-	1500214	7	6898
7.00000-	1	5.28390-	1	6.00000-	1	5.11580-	1	5.00000-	1	4.93810-	1500214	7	6899
4.00000-	1	4.78780-	1	3.00000-	1	4.65320-	1	2.00000-	1	4.57960-	1500214	7	6900
1.00000-	1	4.49250-	1	0.00000+	0	4.47030-	1	1.00000-	1	4.49250-	1500214	7	6901
2.00000-	1	4.57960-	1	3.00000-	1	4.65320-	1	4.00000-	1	4.78780-	1500214	7	6902
5.00000-	1	4.93810-	1	6.00000-	1	5.11580-	1	7.00000-	1	5.28390-	1500214	7	6903
8.00000-	1	5.45310-	1	9.00000-	1	5.59720-	1	1.00000+	0	5.72740-	1500214	7	6904
0.00000+	0	7.50000+	6		0		0		1		21500214	7	6905
	21		2								500214	7	6906
1.00000+	0	5.77060-	1	9.00000-	1	5.58120-	1	8.00000-	1	5.43110-	1500214	7	6907
7.00000-	1	5.25470-	1	6.00000-	1	5.10160-	1	5.00000-	1	4.92330-	1500214	7	6908
4.00000-	1	4.79170-	1	3.00000-	1	4.66240-	1	2.00000-	1	4.61610-	1500214	7	6909
1.00000-	1	4.51000-	1	0.00000+	0	4.48500-	1	1.00000-	1	4.51000-	1500214	7	6910
2.00000-	1	4.61610-	1	3.00000-	1	4.66240-	1	4.00000-	1	4.79170-	1500214	7	6911
5.00000-	1	4.92330-	1	6.00000-	1	5.10160-	1	7.00000-	1	5.25470-	1500214	7	6912
8.00000-	1	5.43110-	1	9.00000-	1	5.58120-	1	1.00000+	0	5.77060-	1500214	7	6913
0.00000+	0	8.00000+	6		0		0		1		21500214	7	6914
	21		2								500214	7	6915
1.00000+	0	5.80580-	1	9.00000-	1	5.56700-	1	8.00000-	1	5.41360-	1500214	7	6916
7.00000-	1	5.23150-	1	6.00000-	1	5.09220-	1	5.00000-	1	4.91300-	1500214	7	6917
4.00000-	1	4.79570-	1	3.00000-	1	4.66950-	1	2.00000-	1	4.64530-	1500214	7	6918
1.00000-	1	4.52220-	1	0.00000+	0	4.49420-	1	1.00000-	1	4.52220-	1500214	7	6919
2.00000-	1	4.64530-	1	3.00000-	1	4.66950-	1	4.00000-	1	4.79570-	1500214	7	6920
5.00000-	1	4.91300-	1	6.00000-	1	5.09220-	1	7.00000-	1	5.23150-	1500214	7	6921
8.00000-	1	5.41360-	1	9.00000-	1	5.56700-	1	1.00000+	0	5.80580-	1500214	7	6922
0.00000+	0	9.00000+	6		0		0		1		21500214	7	6923
	21		2								500214	7	6924
1.00000+	0	5.85170-	1	9.00000-	1	5.54380-	1	8.00000-	1	5.39250-	1500214	7	6925
7.00000-	1	5.20380-	1	6.00000-	1	5.08730-	1	5.00000-	1	4.90610-	1500214	7	6926
4.00000-	1	4.80330-	1	3.00000-	1	4.67700-	1	2.00000-	1	4.68170-	1500214	7	6927
1.00000-	1	4.53070-	1	0.00000+	0	4.49580-	1	1.00000-	1	4.53070-	1500214	7	6928
2.00000-	1	4.68170-	1	3.00000-	1	4.67700-	1	4.00000-	1	4.80330-	1500214	7	6929
5.00000-	1	4.90610-	1	6.00000-	1	5.08730-	1	7.00000-	1	5.20380-	1500214	7	6930
8.00000-	1	5.39250-	1	9.00000-	1	5.54380-	1	1.00000+	0	5.85170-	1500214	7	6931
0.00000+	0	1.00000+	7		0		0		1		21500214	7	6932
	21		2								500214	7	6933
1.00000+	0	5.86540-	1	9.00000-	1	5.52750-	1	8.00000-	1	5.38970-	1500214	7	6934
7.00000-	1	5.20030-	1	6.00000-	1	5.10090-	1	5.00000-	1	4.91740-	1500214	7	6935
4.00000-	1	4.81970-	1	3.00000-	1	4.67600-	1	2.00000-	1	4.68900-	1500214	7	6936



1.00000-	1	4.51820-	1	0.00000+	0	4.47500-	1	1.00000-	1	4.51820-	1500214	7	6937
2.00000-	1	4.68900-	1	3.00000-	1	4.67600-	1	4.00000-	1	4.81070-	1500214	7	6938
5.00000-	1	4.91740-	1	6.00000-	1	5.10090-	1	7.00000-	1	5.20030-	1500214	7	6939
8.00000-	1	5.38970-	1	9.00000-	1	5.52750-	1	1.00000+	0	5.86540-	1500214	7	6940
0.00000+	0	1.10000+	7		0		0		1	21500214	7	6941	
	21		2							500214	7	6942	
1.00000+	0	5.84680-	1	9.00000-	1	5.51830-	1	8.00000-	1	5.40520-	1500214	7	6943
7.00000-	1	5.22120-	1	6.00000-	1	5.13320-	1	5.00000-	1	4.94680-	1500214	7	6944
4.00000-	1	4.81780-	1	3.00000-	1	4.66620-	1	2.00000-	1	4.66730-	1500214	7	6945
1.00000-	1	4.48440-	1	0.00000+	0	4.43200-	1	1.00000-	1	4.48440-	1500214	7	6946
2.00000-	1	4.66730-	1	3.00000-	1	4.66620-	1	4.00000-	1	4.81780-	1500214	7	6947
5.00000-	1	4.94680-	1	6.00000-	1	5.13320-	1	7.00000-	1	5.22120-	1500214	7	6948
8.00000-	1	5.40520-	1	9.00000-	1	5.51830-	1	1.00000+	0	5.84680-	1500214	7	6949
0.00000+	0	1.20000+	7		0		0		1	21500214	7	6950	
	21		2							500214	7	6951	
1.00000+	0	5.79590-	1	9.00000-	1	5.51570-	1	8.00000-	1	5.43910-	1500214	7	6952
7.00000-	1	5.26660-	1	6.00000-	1	5.18410-	1	5.00000-	1	4.99450-	1500214	7	6953
4.00000-	1	4.82460-	1	3.00000-	1	4.64790-	1	2.00000-	1	4.61650-	1500214	7	6954
1.00000-	1	4.42960-	1	0.00000+	0	4.36680-	1	1.00000-	1	4.42960-	1500214	7	6955
2.00000-	1	4.61650-	1	3.00000-	1	4.64790-	1	4.00000-	1	4.82460-	1500214	7	6956
5.00000-	1	4.99450-	1	6.00000-	1	5.18410-	1	7.00000-	1	5.26660-	1500214	7	6957
8.00000-	1	5.43910-	1	9.00000-	1	5.51570-	1	1.00000+	0	5.79590-	1500214	7	6958
0.00000+	0	1.30000+	7		0		0		1	21500214	7	6959	
	21		2							500214	7	6960	
1.00000+	0	5.71280-	1	9.00000-	1	5.52030-	1	8.00000-	1	5.49120-	1500214	7	6961
7.00000-	1	5.33650-	1	6.00000-	1	5.25360-	1	5.00000-	1	5.06040-	1500214	7	6962
4.00000-	1	4.83120-	1	3.00000-	1	4.62090-	1	2.00000-	1	4.53650-	1500214	7	6963
1.00000-	1	4.35350-	1	0.00000+	0	4.27910-	1	1.00000-	1	4.35350-	1500214	7	6964
2.00000-	1	4.53650-	1	3.00000-	1	4.62090-	1	4.00000-	1	4.83120-	1500214	7	6965
5.00000-	1	5.06040-	1	6.00000-	1	5.25360-	1	7.00000-	1	5.33650-	1500214	7	6966
8.00000-	1	5.49120-	1	9.00000-	1	5.52030-	1	1.00000+	0	5.71280-	1500214	7	6967
0.00000+	0	1.40000+	7		0		0		1	21500214	7	6968	
	21		2							500214	7	6969	
1.00000+	0	5.59730-	1	9.00000-	1	5.53160-	1	8.00000-	1	5.56180-	1500214	7	6970
7.00000-	1	5.43090-	1	6.00000-	1	5.34190-	1	5.00000-	1	5.14460-	1500214	7	6971
4.00000-	1	4.83750-	1	3.00000-	1	4.58530-	1	2.00000-	1	4.42730-	1500214	7	6972
1.00000-	1	4.25610-	1	0.00000+	0	4.16900-	1	1.00000-	1	4.25610-	1500214	7	6973
2.00000-	1	4.42730-	1	3.00000-	1	4.58530-	1	4.00000-	1	4.83750-	1500214	7	6974
5.00000-	1	5.14460-	1	6.00000-	1	5.34190-	1	7.00000-	1	5.43090-	1500214	7	6975
8.00000-	1	5.56180-	1	9.00000-	1	5.53160-	1	1.00000+	0	5.59730-	1500214	7	6976
0.00000+	0	1.50000+	7		0		0		1	21500214	7	6977	
	21		2							500214	7	6978	
1.00000+	0	5.44910-	1	9.00000-	1	5.55000-	1	8.00000-	1	5.65090-	1500214	7	6979
7.00000-	1	5.55000-	1	6.00000-	1	5.44910-	1	5.00000-	1	5.24720-	1500214	7	6980
4.00000-	1	4.84350-	1	3.00000-	1	4.54080-	1	2.00000-	1	4.28860-	1500214	7	6981
1.00000-	1	4.13720-	1	0.00000+	0	4.03640-	1	1.00000-	1	4.13720-	1500214	7	6982
2.00000-	1	4.28860-	1	3.00000-	1	4.54080-	1	4.00000-	1	4.84350-	1500214	7	6983
5.00000-	1	5.24720-	1	6.00000-	1	5.44910-	1	7.00000-	1	5.55000-	1500214	7	6984
8.00000-	1	5.65090-	1	9.00000-	1	5.55000-	1	1.00000+	0	5.44910-	1500214	7	6985
										500214	0	6986	
1.20240+	4	2.41030+	1		0		2		1	0500214	8	6987	
1.61100+	6	1.61100+	6		0		0		1	7500214	8	6988	
	7		2							500214	8	6989	

0.00000+	0	1.67790+	6	0	0	1	21500214	8	6990		
	21		2				500214	8	6991		
1.00000+	0	4.58930-	1-9.00000-	1	4.70380-	1-8.00000-	1	4.80180-	1500214	8	6992
7.00000-	1	4.90290-	1-6.00000-	1	4.98520-	1-5.00000-	1	5.05290-	1500214	8	6993
4.00000-	1	5.10860-	1-3.00000-	1	5.15180-	1-2.00000-	1	5.18620-	1500214	8	6994
1.00000-	1	5.20750-	1 0.00000+	0	5.20910-	1 1.00000-	1	5.20750-	1500214	8	6995
2.00000-	1	5.18620-	1 3.00000-	1	5.15180-	1 4.00000-	1	5.10860-	1500214	8	6996
5.00000-	1	5.05290-	1 6.00000-	1	4.98520-	1 7.00000-	1	4.90290-	1500214	8	6997
8.00000-	1	4.80180-	1 9.00000-	1	4.70380-	1 1.00000+	0	4.58930-	1500214	8	6998
0.00000+	0	1.80000+	6	0	0	1	21500214	8	6999		
	21		2				500214	8	7000		
1.00000+	0	4.59730-	1-9.00000-	1	4.71290-	1-8.00000-	1	4.81590-	1500214	8	7001
7.00000-	1	4.90530-	1-6.00000-	1	4.98230-	1-5.00000-	1	5.05090-	1500214	8	7002
4.00000-	1	5.10710-	1-3.00000-	1	5.14990-	1-2.00000-	1	5.17950-	1500214	8	7003
1.00000-	1	5.19670-	1 0.00000+	0	5.20190-	1 1.00000-	1	5.19670-	1500214	8	7004
2.00000-	1	5.17950-	1 3.00000-	1	5.14990-	1 4.00000-	1	5.10710-	1500214	8	7005
5.00000-	1	5.05090-	1 6.00000-	1	4.98230-	1 7.00000-	1	4.90530-	1500214	8	7006
8.00000-	1	4.81590-	1 9.00000-	1	4.71290-	1 1.00000+	0	4.59730-	1500214	8	7007
0.00000+	0	2.00000+	6	0	0	1	21500214	8	7008		
	21		2				500214	8	7009		
1.00000+	0	4.61120-	1-9.00000-	1	4.72550-	1-8.00000-	1	4.82410-	1500214	8	7010
7.00000-	1	4.90920-	1-6.00000-	1	4.98500-	1-5.00000-	1	5.04990-	1500214	8	7011
4.00000-	1	5.10140-	1-3.00000-	1	5.14340-	1-2.00000-	1	5.17200-	1500214	8	7012
1.00000-	1	5.18760-	1 0.00000+	0	5.19280-	1 1.00000-	1	5.18760-	1500214	8	7013
2.00000-	1	5.17200-	1 3.00000-	1	5.14340-	1 4.00000-	1	5.10140-	1500214	8	7014
5.00000-	1	5.04990-	1 6.00000-	1	4.98500-	1 7.00000-	1	4.90920-	1500214	8	7015
8.00000-	1	4.82410-	1 9.00000-	1	4.72550-	1 1.00000+	0	4.61120-	1500214	8	7016
0.00000+	0	2.50000+	6	0	0	1	21500214	8	7017		
	21		2				500214	8	7018		
1.00000+	0	4.62230-	1-9.00000-	1	4.73270-	1-8.00000-	1	4.82750-	1500214	8	7019
7.00000-	1	4.90820-	1-6.00000-	1	4.97860-	1-5.00000-	1	5.05100-	1500214	8	7020
4.00000-	1	5.09990-	1-3.00000-	1	5.14050-	1-2.00000-	1	5.17050-	1500214	8	7021
1.00000-	1	5.18460-	1 0.00000+	0	5.19090-	1 1.00000-	1	5.18460-	1500214	8	7022
2.00000-	1	5.17050-	1 3.00000-	1	5.14050-	1 4.00000-	1	5.09990-	1500214	8	7023
5.00000-	1	5.05100-	1 6.00000-	1	4.97860-	1 7.00000-	1	4.90820-	1500214	8	7024
8.00000-	1	4.82750-	1 9.00000-	1	4.73270-	1 1.00000+	0	4.62230-	1500214	8	7025
0.00000+	0	3.00000+	6	0	0	1	21500214	8	7026		
	21		2				500214	8	7027		
1.00000+	0	4.62280-	1-9.00000-	1	4.73830-	1-8.00000-	1	4.82820-	1500214	8	7028
7.00000-	1	4.90210-	1-6.00000-	1	4.96580-	1-5.00000-	1	5.05610-	1500214	8	7029
4.00000-	1	5.10100-	1-3.00000-	1	5.14110-	1-2.00000-	1	5.17410-	1500214	8	7030
1.00000-	1	5.18600-	1 0.00000+	0	5.19160-	1 1.00000-	1	5.18600-	1500214	8	7031
2.00000-	1	5.17410-	1 3.00000-	1	5.14110-	1 4.00000-	1	5.10100-	1500214	8	7032
5.00000-	1	5.05610-	1 6.00000-	1	4.96580-	1 7.00000-	1	4.90210-	1500214	8	7033
8.00000-	1	4.82820-	1 9.00000-	1	4.73830-	1 1.00000+	0	4.62280-	1500214	8	7034
0.00000+	0	3.50000+	6	0	0	1	21500214	8	7035		
	21		2				500214	8	7036		
1.00000+	0	4.62190-	1-9.00000-	1	4.73600-	1-8.00000-	1	4.82810-	1500214	8	7037
7.00000-	1	4.90290-	1-6.00000-	1	4.96740-	1-5.00000-	1	5.05590-	1500214	8	7038
4.00000-	1	5.10140-	1-3.00000-	1	5.14050-	1-2.00000-	1	5.17390-	1500214	8	7039
1.00000-	1	5.18710-	1 0.00000+	0	5.19150-	1 1.00000-	1	5.18710-	1500214	8	7040
2.00000-	1	5.17390-	1 3.00000-	1	5.14050-	1 4.00000-	1	5.10140-	1500214	8	7041
5.00000-	1	5.05590-	1 6.00000-	1	4.96740-	1 7.00000-	1	4.90290-	1500214	8	7042

8.00000-	1	4.82810-	1	9.00000-	1	4.73600-	1	1.00000+	0	4.62190-	1500214	8	7043
0.00000+	0	4.00000+	6		0		0		1		21500214	8	7044
	21		2								500214	8	7045
1.00000+	0	4.61960-	1	-9.00000-	1	4.72590-	1	-8.00000-	1	4.82720-	1500214	8	7046
7.00000-	1	4.91020-	1	-6.00000-	1	4.98350-	1	-5.00000-	1	5.05040-	1500214	8	7047
4.00000-	1	5.10130-	1	-3.00000-	1	5.13870-	1	-2.00000-	1	5.16980-	1500214	8	7048
1.00000-	1	5.18790-	1	0.00000+	0	5.19060-	1	1.00000-	1	5.18790-	1500214	8	7049
2.00000-	1	5.16980-	1	3.00000-	1	5.13870-	1	4.00000-	1	5.10130-	1500214	8	7050
5.00000-	1	5.05040-	1	6.00000-	1	4.98350-	1	7.00000-	1	4.91020-	1500214	8	7051
8.00000-	1	4.82720-	1	9.00000-	1	4.72590-	1	1.00000+	0	4.61960-	1500214	8	7052
											500214	0	7053
1.20240+	4	2.41030+	1		0		2		1		0500214	9	7054
1.41000+	6	1.81000+	6		0		0		1		6500214	9	7055
	6		2								500214	9	7056
0.00000+	0	1.88510+	6		0		0		1		21500214	9	7057
	21		2								500214	9	7058
1.00000+	0	5.90950-	1	-9.00000-	1	6.10980-	1	-8.00000-	1	6.03810-	1500214	9	7059
7.00000-	1	5.78470-	1	-6.00000-	1	5.42560-	1	-5.00000-	1	5.02850-	1500214	9	7060
4.00000-	1	4.63150-	1	-3.00000-	1	4.29130-	1	-2.00000-	1	4.00780-	1500214	9	7061
1.00000-	1	3.83760-	1	0.00000+	0	3.78090-	1	1.00000-	1	3.83760-	1500214	9	7062
2.00000-	1	4.00780-	1	3.00000-	1	4.29130-	1	4.00000-	1	4.63150-	1500214	9	7063
5.00000-	1	5.02850-	1	6.00000-	1	5.42560-	1	7.00000-	1	5.78470-	1500214	9	7064
8.00000-	1	6.03810-	1	9.00000-	1	6.10980-	1	1.00000+	0	5.90950-	1500214	9	7065
0.00000+	0	2.00000+	6		0		0		1		21500214	9	7066
	21		2								500214	9	7067
1.00000+	0	5.82590-	1	-9.00000-	1	5.91060-	1	-8.00000-	1	5.82990-	1500214	9	7068
7.00000-	1	5.62010-	1	-6.00000-	1	5.32560-	1	-5.00000-	1	5.00280-	1500214	9	7069
4.00000-	1	4.68410-	1	-3.00000-	1	4.40570-	1	-2.00000-	1	4.21610-	1500214	9	7070
1.00000-	1	4.07490-	1	0.00000+	0	4.03460-	1	1.00000-	1	4.07490-	1500214	9	7071
2.00000-	1	4.21610-	1	3.00000-	1	4.40570-	1	4.00000-	1	4.68410-	1500214	9	7072
5.00000-	1	5.00280-	1	6.00000-	1	5.32560-	1	7.00000-	1	5.62010-	1500214	9	7073
8.00000-	1	5.82990-	1	9.00000-	1	5.91060-	1	1.00000+	0	5.82590-	1500214	9	7074
0.00000+	0	2.50000+	6		0		0		1		21500214	9	7075
	21		2								500214	9	7076
1.00000+	0	5.76180-	1	-9.00000-	1	5.77390-	1	-8.00000-	1	5.65520-	1500214	9	7077
7.00000-	1	5.46000-	1	-6.00000-	1	5.22740-	1	-5.00000-	1	4.95820-	1500214	9	7078
4.00000-	1	4.71890-	1	-3.00000-	1	4.64960-	1	-2.00000-	1	4.34510-	1500214	9	7079
1.00000-	1	4.23110-	1	0.00000+	0	4.19970-	1	1.00000-	1	4.23110-	1500214	9	7080
2.00000-	1	4.34510-	1	3.00000-	1	4.64960-	1	4.00000-	1	4.71890-	1500214	9	7081
5.00000-	1	4.95820-	1	6.00000-	1	5.22740-	1	7.00000-	1	5.46000-	1500214	9	7082
8.00000-	1	5.65520-	1	9.00000-	1	5.77390-	1	1.00000+	0	5.76180-	1500214	9	7083
0.00000+	0	3.00000+	6		0		0		1		21500214	9	7084
	21		2								500214	9	7085
1.00000+	0	5.82100-	1	-9.00000-	1	5.82410-	1	-8.00000-	1	5.80380-	1500214	9	7086
7.00000-	1	5.49110-	1	-6.00000-	1	5.23930-	1	-5.00000-	1	4.96630-	1500214	9	7087
4.00000-	1	4.69340-	1	-3.00000-	1	4.48250-	1	-2.00000-	1	4.30150-	1500214	9	7088
1.00000-	1	4.20400-	1	0.00000+	0	4.16680-	1	1.00000-	1	4.20400-	1500214	9	7089
2.00000-	1	4.30150-	1	3.00000-	1	4.48250-	1	4.00000-	1	4.69340-	1500214	9	7090
5.00000-	1	4.96630-	1	6.00000-	1	5.23930-	1	7.00000-	1	5.49110-	1500214	9	7091
8.00000-	1	5.80380-	1	9.00000-	1	5.82410-	1	1.00000+	0	5.82100-	1500214	9	7092
0.00000+	0	3.50000+	6		0		0		1		21500214	9	7093
	21		2								500214	9	7094
1.00000+	0	5.85360-	1	-9.00000-	1	5.87340-	1	-8.00000-	1	5.67790-	1500214	9	7095

7.00000-	1	5.54000-	1-6.00000-	1	5.25700-	1-5.00000-	1	4.97520-	1500214	9	7096
4.00000-	1	4.72590-	1-3.00000-	1	4.47670-	1-2.00000-	1	4.29860-	1500214	9	7097
1.00000-	1	4.17850-	1 0.00000+	0	4.14000-	1 1.00000-	1	4.17850-	1500214	9	7098
2.00000-	1	4.29860-	1 3.00000-	1	4.47670-	1 4.00000-	1	4.72590-	1500214	9	7099
5.00000-	1	4.97520-	1 6.00000-	1	5.25700-	1 7.00000-	1	5.54000-	1500214	9	7100
8.00000-	1	5.67790-	1 9.00000-	1	5.87340-	1 1.00000+	0	5.85360-	1500214	9	7101
0.00000+	0	4.00000+	6	0	0	0	1	21500214	9	7102	
	21		2					500214	9	7103	
1.00000+	0	5.84740-	1-9.00000-	1	5.85830-	1-8.00000-	1	5.73540-	1500214	9	7104
7.00000-	1	5.52820-	1-6.00000-	1	5.25740-	1-5.00000-	1	4.97630-	1500214	9	7105
4.00000-	1	4.70330-	1-3.00000-	1	4.47050-	1-2.00000-	1	4.29300-	1500214	9	7106
1.00000-	1	4.18200-	1 0.00000+	0	4.14390-	1 1.00000-	1	4.18200-	1500214	9	7107
2.00000-	1	4.29300-	1 3.00000-	1	4.47050-	1 4.00000-	1	4.70330-	1500214	9	7108
5.00000-	1	4.97630-	1 6.00000-	1	5.25740-	1 7.00000-	1	5.52820-	1500214	9	7109
8.00000-	1	5.73540-	1 9.00000-	1	5.85830-	1 1.00000+	0	5.84740-	1500214	9	7110
								500214	9	7111	
1.20240+	4	2.41030+	1	0	2	1		0500214	10	7112	
1.96200+	6	1.96200+	6	0	0	1		5500214	10	7113	
	5		2					500214	10	7114	
0.00000+	0	2.04340+	6	0	0	1		21500214	10	7115	
	21		2					500214	10	7116	
1.00000+	0	5.05800-	1-9.00000-	1	5.04040-	1-8.00000-	1	5.02680-	1500214	10	7117
7.00000-	1	5.01260-	1-6.00000-	1	5.00390-	1-5.00000-	1	4.99150-	1500214	10	7118
4.00000-	1	4.98490-	1-3.00000-	1	4.97770-	1-2.00000-	1	4.97600-	1500214	10	7119
1.00000-	1	4.97170-	1 0.00000+	0	4.97100-	1 1.00000-	1	4.97170-	1500214	10	7120
2.00000-	1	4.97600-	1 3.00000-	1	4.97770-	1 4.00000-	1	4.98490-	1500214	10	7121
5.00000-	1	4.99150-	1 6.00000-	1	5.00390-	1 7.00000-	1	5.01260-	1500214	10	7122
8.00000-	1	5.02680-	1 9.00000-	1	5.04040-	1 1.00000+	0	5.05800-	1500214	10	7123
0.00000+	0	2.50000+	6	0	0	1		21500214	10	7124	
	21		2					500214	10	7125	
1.00000+	0	5.19060-	1-9.00000-	1	5.13230-	1-8.00000-	1	5.08330-	1500214	10	7126
7.00000-	1	5.04390-	1-6.00000-	1	5.00530-	1-5.00000-	1	4.97580-	1500214	10	7127
4.00000-	1	4.95130-	1-3.00000-	1	4.93160-	1-2.00000-	1	4.91700-	1500214	10	7128
1.00000-	1	4.91050-	1 0.00000+	0	4.90710-	1 1.00000-	1	4.91050-	1500214	10	7129
2.00000-	1	4.91700-	1 3.00000-	1	4.93160-	1 4.00000-	1	4.95130-	1500214	10	7130
5.00000-	1	4.97580-	1 6.00000-	1	5.00530-	1 7.00000-	1	5.04390-	1500214	10	7131
8.00000-	1	5.08330-	1 9.00000-	1	5.13230-	1 1.00000+	0	5.19060-	1500214	10	7132
0.00000+	0	3.00000+	6	0	0	1		21500214	10	7133	
	21		2					500214	10	7134	
1.00000+	0	5.21100-	1-9.00000-	1	5.13980-	1-8.00000-	1	5.09150-	1500214	10	7135
7.00000-	1	5.05150-	1-6.00000-	1	4.99980-	1-5.00000-	1	4.97040-	1500214	10	7136
4.00000-	1	4.94590-	1-3.00000-	1	4.92630-	1-2.00000-	1	4.91160-	1500214	10	7137
1.00000-	1	4.90640-	1 0.00000+	0	4.90180-	1 1.00000-	1	4.90640-	1500214	10	7138
2.00000-	1	4.91160-	1 3.00000-	1	4.92630-	1 4.00000-	1	4.94590-	1500214	10	7139
5.00000-	1	4.97040-	1 6.00000-	1	4.99980-	1 7.00000-	1	5.05150-	1500214	10	7140
8.00000-	1	5.09150-	1 9.00000-	1	5.13980-	1 1.00000+	0	5.21100-	1500214	10	7141
0.00000+	0	3.50000+	6	0	0	1		21500214	10	7142	
	21		2					500214	10	7143	
1.00000+	0	5.20860-	1-9.00000-	1	5.13880-	1-8.00000-	1	5.09220-	1500214	10	7144
7.00000-	1	5.05060-	1-6.00000-	1	5.00040-	1-5.00000-	1	4.97090-	1500214	10	7145
4.00000-	1	4.94640-	1-3.00000-	1	4.92680-	1-2.00000-	1	4.91210-	1500214	10	7146
1.00000-	1	4.90660-	1 0.00000+	0	4.90230-	1 1.00000-	1	4.90660-	1500214	10	7147
2.00000-	1	4.91210-	1 3.00000-	1	4.92680-	1 4.00000-	1	4.94640-	1500214	10	7148

5.00000-	1	4.97090-	1	6.00000-	1	5.00040-	1	7.00000-	1	5.05060-	1500214	10	7149
8.00000-	1	5.09220-	1	9.00000-	1	5.13880-	1	1.00000+	0	5.20860-	1500214	10	7150
0.00000+	0	4.00000+	6		0		0		1		21500214	10	7151
	21		2								500214	10	7152
1.00000+	0	5.18330-	1	-9.00000-	1	5.12930-	1	-8.00000-	1	5.08510-	1500214	10	7153
7.00000-	1	5.04100-	1	-6.00000-	1	5.00660-	1	-5.00000-	1	4.97710-	1500214	10	7154
4.00000-	1	4.95260-	1	-3.00000-	1	4.93300-	1	-2.00000-	1	4.91820-	1500214	10	7155
1.00000-	1	4.91090-	1	0.00000+	0	4.90840-	1	1.00000-	1	4.91090-	1500214	10	7156
2.00000-	1	4.91820-	1	3.00000-	1	4.93300-	1	4.00000-	1	4.95260-	1500214	10	7157
5.00000-	1	4.97710-	1	6.00000-	1	5.00660-	1	7.00000-	1	5.04100-	1500214	10	7158
8.00000-	1	5.08510-	1	9.00000-	1	5.12930-	1	1.00000+	0	5.18330-	1500214	10	7159
											500214	0	7160
1.20240+	4	2.41030+	1		0		2		2		0500214	14	7161
2.94000+	6	1.13000+	6		0		0		1		3500214	14	7162
	3		2								500214	14	7163
0.00000+	0	3.06200+	6		0		0		1		21500214	14	7164
	21		2								500214	14	7165
1.00000+	0	5.87920-	1	-9.00000-	1	6.17130-	1	-8.00000-	1	6.15050-	1500214	14	7166
7.00000-	1	5.88550-	1	-6.00000-	1	5.52390-	1	-5.00000-	1	5.07280-	1500214	14	7167
4.00000-	1	4.62440-	1	-3.00000-	1	4.21360-	1	-2.00000-	1	3.91300-	1500214	14	7168
1.00000-	1	3.67820-	1	0.00000+	0	3.65440-	1	1.00000-	1	3.67820-	1500214	14	7169
2.00000-	1	3.91300-	1	3.00000-	1	4.21360-	1	4.00000-	1	4.62440-	1500214	14	7170
5.00000-	1	5.07280-	1	6.00000-	1	5.52390-	1	7.00000-	1	5.88550-	1500214	14	7171
8.00000-	1	6.15050-	1	9.00000-	1	6.17130-	1	1.00000+	0	5.87920-	1500214	14	7172
0.00000+	0	3.50000+	6		0		0		1		21500214	14	7173
	21		2								500214	14	7174
1.00000+	0	5.83400-	1	-9.00000-	1	5.87810-	1	-8.00000-	1	5.77140-	1500214	14	7175
7.00000-	1	5.55120-	1	-6.00000-	1	5.26320-	1	-5.00000-	1	4.97070-	1500214	14	7176
4.00000-	1	4.70270-	1	-3.00000-	1	4.45320-	1	-2.00000-	1	4.28200-	1500214	14	7177
1.00000-	1	4.15410-	1	0.00000+	0	4.11300-	1	1.00000-	1	4.15410-	1500214	14	7178
2.00000-	1	4.28200-	1	3.00000-	1	4.45320-	1	4.00000-	1	4.70270-	1500214	14	7179
5.00000-	1	4.97070-	1	6.00000-	1	5.26320-	1	7.00000-	1	5.55120-	1500214	14	7180
8.00000-	1	5.77140-	1	9.00000-	1	5.87810-	1	1.00000+	0	5.83400-	1500214	14	7181
0.00000+	0	4.00000+	6		0		0		1		21500214	14	7182
	21		2								500214	14	7183
1.00000+	0	5.86270-	1	-9.00000-	1	5.78100-	1	-8.00000-	1	5.62940-	1500214	14	7184
7.00000-	1	5.40760-	1	-6.00000-	1	5.12420-	1	-5.00000-	1	4.89520-	1500214	14	7185
4.00000-	1	4.71180-	1	-3.00000-	1	4.53810-	1	-2.00000-	1	4.44650-	1500214	14	7186
1.00000-	1	4.37110-	1	0.00000+	0	4.32780-	1	1.00000-	1	4.37110-	1500214	14	7187
2.00000-	1	4.44650-	1	3.00000-	1	4.53810-	1	4.00000-	1	4.71180-	1500214	14	7188
5.00000-	1	4.89520-	1	6.00000-	1	5.12420-	1	7.00000-	1	5.40760-	1500214	14	7189
8.00000-	1	5.62940-	1	9.00000-	1	5.78100-	1	1.00000+	0	5.86270-	1500214	14	7190
2.94000+	6	2.94000+	6		0		0		1		3500214	14	7191
	3		2								500214	14	7192
***** EGI MUST BE IN DECENDING ORDER. *****													
0.00000+	0	3.06200+	6		0		0		1		21500214	14	7193
	21		2								500214	14	7194
1.00000+	0	5.88430-	1	-9.00000-	1	6.18400-	1	-8.00000-	1	6.16570-	1500214	14	7195
7.00000-	1	5.89760-	1	-6.00000-	1	5.53140-	1	-5.00000-	1	5.07420-	1500214	14	7196
4.00000-	1	4.61990-	1	-3.00000-	1	4.20360-	1	-2.00000-	1	3.90000-	1500214	14	7197
1.00000-	1	3.66190-	1	0.00000+	0	3.63910-	1	1.00000-	1	3.66190-	1500214	14	7198
2.00000-	1	3.90000-	1	3.00000-	1	4.20360-	1	4.00000-	1	4.61990-	1500214	14	7199
5.00000-	1	5.07420-	1	6.00000-	1	5.53140-	1	7.00000-	1	5.89760-	1500214	14	7200
8.00000-	1	6.16570-	1	9.00000-	1	6.18400-	1	1.00000+	0	5.88430-	1500214	14	7201

0.00000+	0	3.50000+	6	0	0	1	21500214	14	7202		
	21		2				500214	14	7203		
1.00000+	0	5.75280-	1-9.00000-	1	5.68740-	1-8.00000-	1	5.54460-	1500214	14	7204
7.00000-	1	5.37320-	1-6.00000-	1	5.15620-	1-5.00000-	1	4.95350-	1500214	14	7205
4.00000-	1	4.77340-	1-3.00000-	1	4.60250-	1-2.00000-	1	4.47170-	1500214	14	7206
1.00000-	1	4.39290-	1 0.00000+	0	4.33630-	1 1.00000-	1	4.39290-	1500214	14	7207
2.00000-	1	4.47170-	1 3.00000-	1	4.60250-	1 4.00000-	1	4.77340-	1500214	14	7208
5.00000-	1	4.95350-	1 6.00000-	1	5.15620-	1 7.00000-	1	5.37320-	1500214	14	7209
8.00000-	1	5.54460-	1 9.00000-	1	5.68740-	1 1.00000+	0	5.75280-	1500214	14	7210
0.00000+	0	4.00000+	6	0	0	1	21500214	14	7211		
	21		2				500214	14	7212		
1.00000+	0	5.82830-	1-9.00000-	1	5.89740-	1-8.00000-	1	5.79970-	1500214	14	7213
7.00000-	1	5.58000-	1-6.00000-	1	5.29100-	1-5.00000-	1	4.98580-	1500214	14	7214
4.00000-	1	4.70080-	1-3.00000-	1	4.43630-	1-2.00000-	1	4.24910-	1500214	14	7215
1.00000-	1	4.11080-	1 0.00000+	0	4.07000-	1 1.00000-	1	4.11080-	1500214	14	7216
2.00000-	1	4.24910-	1 3.00000-	1	4.43630-	1 4.00000-	1	4.70080-	1500214	14	7217
5.00000-	1	4.98580-	1 6.00000-	1	5.29100-	1 7.00000-	1	5.58000-	1500214	14	7218
8.00000-	1	5.79970-	1 9.00000-	1	5.89740-	1 1.00000+	0	5.82830-	1500214	14	7219
							500214	0	7220		
1.20240+	4	2.41030+	1	0	2	1	0500214	51	7221		
4.12000+	6	2.75200+	6	0	0	1	7500214	51	7222		
	7		2				500214	51	7223		
0.00000+	0	4.29300+	6	0	0	1	21500214	51	7224		
	21		2				500214	51	7225		
1.00000+	0	6.28510-	1-9.00000-	1	6.30770-	1-8.00000-	1	6.10350-	1500214	51	7226
7.00000-	1	5.76950-	1-6.00000-	1	5.37250-	1-5.00000-	1	4.96070-	1500214	51	7227
4.00000-	1	4.55620-	1-3.00000-	1	4.21110-	1-2.00000-	1	3.94780-	1500214	51	7228
1.00000-	1	3.77330-	1 0.00000+	0	3.71030-	1 1.00000-	1	3.77330-	1500214	51	7229
2.00000-	1	3.94780-	1 3.00000-	1	4.21110-	1 4.00000-	1	4.55620-	1500214	51	7230
5.00000-	1	4.96070-	1 6.00000-	1	5.37250-	1 7.00000-	1	5.76950-	1500214	51	7231
8.00000-	1	6.10350-	1 9.00000-	1	6.30770-	1 1.00000+	0	6.28510-	1500214	51	7232
0.00000+	0	4.50000+	6	0	0	1	21500214	51	7233		
	21		2				500214	51	7234		
1.00000+	0	6.30940-	1-9.00000-	1	6.28180-	1-8.00000-	1	6.08540-	1500214	51	7235
7.00000-	1	5.74550-	1-6.00000-	1	5.36180-	1-5.00000-	1	4.95930-	1500214	51	7236
4.00000-	1	4.56560-	1-3.00000-	1	4.21700-	1-2.00000-	1	3.95210-	1500214	51	7237
1.00000-	1	3.80210-	1 0.00000+	0	3.74950-	1 1.00000-	1	3.80210-	1500214	51	7238
2.00000-	1	3.95210-	1 3.00000-	1	4.21700-	1 4.00000-	1	4.56560-	1500214	51	7239
5.00000-	1	4.95930-	1 6.00000-	1	5.36180-	1 7.00000-	1	5.74550-	1500214	51	7240
8.00000-	1	6.08540-	1 9.00000-	1	6.28180-	1 1.00000+	0	6.30940-	1500214	51	7241
0.00000+	0	5.00000+	6	0	0	1	21500214	51	7242		
	21		2				500214	51	7243		
1.00000+	0	6.31890-	1-9.00000-	1	6.26210-	1-8.00000-	1	6.05020-	1500214	51	7244
7.00000-	1	5.74020-	1-6.00000-	1	5.35070-	1-5.00000-	1	4.94230-	1500214	51	7245
4.00000-	1	4.55290-	1-3.00000-	1	4.23140-	1-2.00000-	1	3.98180-	1500214	51	7246
1.00000-	1	3.83820-	1 0.00000+	0	3.78140-	1 1.00000-	1	3.83820-	1500214	51	7247
2.00000-	1	3.98180-	1 3.00000-	1	4.23140-	1 4.00000-	1	4.55290-	1500214	51	7248
5.00000-	1	4.94230-	1 6.00000-	1	5.35070-	1 7.00000-	1	5.74020-	1500214	51	7249
8.00000-	1	6.05020-	1 9.00000-	1	6.26210-	1 1.00000+	0	6.31890-	1500214	51	7250
0.00000+	0	5.50000+	6	0	0	1	21500214	51	7251		
	21		2				500214	51	7252		
1.00000+	0	6.29390-	1-9.00000-	1	6.24820-	1-8.00000-	1	6.04950-	1500214	51	7253
7.00000-	1	5.71160-	1-6.00000-	1	5.34570-	1-5.00000-	1	4.93940-	1500214	51	7254

4.00000-	1	4.57220-	1	-3.00000-	1	4.23810-	1	-2.00000-	1	4.00130-	1500214	51	7255
1.00000-	1	3.84830-	1	0.00000+	0	3.79760-	1	1.00000-	1	3.84830-	1500214	51	7256
2.00000-	1	4.00130-	1	3.00000-	1	4.23810-	1	4.00000-	1	4.57220-	1500214	51	7257
5.00000-	1	4.93940-	1	6.00000-	1	5.34570-	1	7.00000-	1	5.71160-	1500214	51	7258
8.00000-	1	6.04950-	1	9.00000-	1	6.24820-	1	1.00000+	0	6.29390-	1500214	51	7259
0.00000+	0	6.00000+	6		0		0		1	21500214	51	7260	
	21		2							500214	51	7261	
1.00000+	0	6.25360-	1	-9.00000-	1	6.20370-	1	-8.00000-	1	6.00050-	1500214	51	7262
7.00000-	1	5.67840-	1	-6.00000-	1	5.31810-	1	-5.00000-	1	4.94610-	1500214	51	7263
4.00000-	1	4.58190-	1	-3.00000-	1	4.27510-	1	-2.00000-	1	4.06040-	1500214	51	7264
1.00000-	1	3.89180-	1	0.00000+	0	3.83420-	1	1.00000-	1	3.89180-	1500214	51	7265
2.00000-	1	4.06040-	1	3.00000-	1	4.27510-	1	4.00000-	1	4.58190-	1500214	51	7266
5.00000-	1	4.94610-	1	6.00000-	1	5.31810-	1	7.00000-	1	5.67840-	1500214	51	7267
8.00000-	1	6.00050-	1	9.00000-	1	6.20370-	1	1.00000+	0	6.25360-	1500214	51	7268
0.00000+	0	6.50000+	6		0		0		1	21500214	51	7269	
	21		2							500214	51	7270	
1.00000+	0	6.19000-	1	-9.00000-	1	6.15100-	1	-8.00000-	1	5.95200-	1500214	51	7271
7.00000-	1	5.65530-	1	-6.00000-	1	5.31180-	1	-5.00000-	1	4.94100-	1500214	51	7272
4.00000-	1	4.60540-	1	-3.00000-	1	4.31270-	1	-2.00000-	1	4.08240-	1500214	51	7273
1.00000-	1	3.94190-	1	0.00000+	0	3.90290-	1	1.00000-	1	3.94190-	1500214	51	7274
2.00000-	1	4.08240-	1	3.00000-	1	4.31270-	1	4.00000-	1	4.60540-	1500214	51	7275
5.00000-	1	4.94100-	1	6.00000-	1	5.31180-	1	7.00000-	1	5.65530-	1500214	51	7276
8.00000-	1	5.95200-	1	9.00000-	1	6.15100-	1	1.00000+	0	6.19000-	1500214	51	7277
0.00000+	0	7.00000+	6		0		0		1	21500214	51	7278	
	21		2							500214	51	7279	
1.00000+	0	6.12540-	1	-9.00000-	1	6.06560-	1	-8.00000-	1	5.87010-	1500214	51	7280
7.00000-	1	5.58700-	1	-6.00000-	1	5.27990-	1	-5.00000-	1	4.93700-	1500214	51	7281
4.00000-	1	4.62990-	1	-3.00000-	1	4.37080-	1	-2.00000-	1	4.16740-	1500214	51	7282
1.00000-	1	4.03570-	1	0.00000+	0	3.98790-	1	1.00000-	1	4.03570-	1500214	51	7283
2.00000-	1	4.16740-	1	3.00000-	1	4.37080-	1	4.00000-	1	4.62990-	1500214	51	7284
5.00000-	1	4.93700-	1	6.00000-	1	5.27990-	1	7.00000-	1	5.58700-	1500214	51	7285
8.00000-	1	5.87010-	1	9.00000-	1	6.06560-	1	1.00000+	0	6.12540-	1500214	51	7286
										500214	0	7287	
1.20240+	4	2.41030+	1		0		2		2	0500214	52	7288	
4.23200+	6	2.86460+	6		0		0		1	7500214	52	7289	
	7		2							500214	52	7290	
0.00000+	0	4.41000+	6		0		0		1	21500214	52	7291	
	21		2							500214	52	7292	
1.00000+	0	4.49870-	1	-9.00000-	1	4.70940-	1	-8.00000-	1	4.85390-	1500214	52	7293
7.00000-	1	4.94670-	1	-6.00000-	1	4.99240-	1	-5.00000-	1	5.03750-	1500214	52	7294
4.00000-	1	5.21820-	1	-3.00000-	1	5.20810-	1	-2.00000-	1	5.15790-	1500214	52	7295
1.00000-	1	5.11780-	1	0.00000+	0	5.01750-	1	1.00000-	1	5.11780-	1500214	52	7296
2.00000-	1	5.15790-	1	3.00000-	1	5.20810-	1	4.00000-	1	5.21820-	1500214	52	7297
5.00000-	1	5.03750-	1	6.00000-	1	4.99240-	1	7.00000-	1	4.94670-	1500214	52	7298
8.00000-	1	4.85390-	1	9.00000-	1	4.70940-	1	1.00000+	0	4.49870-	1500214	52	7299
0.00000+	0	4.50060+	6		0		0		1	21500214	52	7300	
	21		2							500214	52	7301	
1.00000+	0	4.59710-	1	-9.00000-	1	4.75950-	1	-8.00000-	1	4.87120-	1500214	52	7302
7.00000-	1	4.94770-	1	-6.00000-	1	4.89960-	1	-5.00000-	1	5.06850-	1500214	52	7303
4.00000-	1	5.29440-	1	-3.00000-	1	5.13410-	1	-2.00000-	1	5.11050-	1500214	52	7304
1.00000-	1	5.10190-	1	0.00000+	0	5.02820-	1	1.00000-	1	5.10190-	1500214	52	7305
2.00000-	1	5.11050-	1	3.00000-	1	5.13410-	1	4.00000-	1	5.29440-	1500214	52	7306
5.00000-	1	5.06850-	1	6.00000-	1	4.89960-	1	7.00000-	1	4.94770-	1500214	52	7307
8.00000-	1	4.87120-	1	9.00000-	1	4.75950-	1	1.00000+	0	4.59710-	1500214	52	7308

0.00000+	0	5.00000+	6	0	0	1	21500214	52	7309		
	21		2				500214	52	7310		
1.00000+	0	4.47940-	1-9.00000-	1	4.68750-	1-8.00000-	1	4.86960-	1500214	52	7311
7.00000-	1	4.98150-	1-6.00000-	1	5.04470-	1-5.00000-	1	5.08080-	1500214	52	7312
4.00000-	1	5.13930-	1-3.00000-	1	5.16470-	1-2.00000-	1	5.13930-	1500214	52	7313
1.00000-	1	5.10880-	1 0.00000+	0	5.08840-	1 1.00000-	1	5.10880-	1500214	52	7314
2.00000-	1	5.13930-	1 3.00000-	1	5.16470-	1 4.00000-	1	5.13930-	1500214	52	7315
5.00000-	1	5.08080-	1 6.00000-	1	5.04470-	1 7.00000-	1	4.98150-	1500214	52	7316
8.00000-	1	4.86960-	1 9.00000-	1	4.68750-	1 1.00000+	0	4.47940-	1500214	52	7317
0.00000+	0	5.50000+	6	0	0	1	21500214	52	7318		
	21		2				500214	52	7319		
1.00000+	0	4.54860-	1-9.00000-	1	4.75310-	1-8.00000-	1	4.88880-	1500214	52	7320
7.00000-	1	4.98610-	1-6.00000-	1	5.04620-	1-5.00000-	1	5.07870-	1500214	52	7321
4.00000-	1	5.09660-	1-3.00000-	1	5.10070-	1-2.00000-	1	5.11090-	1500214	52	7322
1.00000-	1	5.11260-	1 0.00000+	0	5.10400-	1 1.00000-	1	5.11260-	1500214	52	7323
2.00000-	1	5.11090-	1 3.00000-	1	5.10070-	1 4.00000-	1	5.09660-	1500214	52	7324
5.00000-	1	5.07870-	1 6.00000-	1	5.04620-	1 7.00000-	1	4.98610-	1500214	52	7325
8.00000-	1	4.88880-	1 9.00000-	1	4.75310-	1 1.00000+	0	4.54860-	1500214	52	7326
0.00000+	0	6.00000+	6	0	0	1	21500214	52	7327		
	21		2				500214	52	7328		
1.00000+	0	4.58540-	1-9.00000-	1	4.76680-	1-8.00000-	1	4.89340-	1500214	52	7329
7.00000-	1	4.98390-	1-6.00000-	1	5.04160-	1-5.00000-	1	5.07530-	1500214	52	7330
4.00000-	1	5.07070-	1-3.00000-	1	5.10390-	1-2.00000-	1	5.10800-	1500214	52	7331
1.00000-	1	5.10900-	1 0.00000+	0	5.10900-	1 1.00000-	1	5.10900-	1500214	52	7332
2.00000-	1	5.10800-	1 3.00000-	1	5.10390-	1 4.00000-	1	5.07070-	1500214	52	7333
5.00000-	1	5.07530-	1 6.00000-	1	5.04160-	1 7.00000-	1	4.98390-	1500214	52	7334
8.00000-	1	4.89340-	1 9.00000-	1	4.76680-	1 1.00000+	0	4.58540-	1500214	52	7335
0.00000+	0	6.50000+	6	0	0	1	21500214	52	7336		
	21		2				500214	52	7337		
1.00000+	0	4.61610-	1-9.00000-	1	4.77550-	1-8.00000-	1	4.87250-	1500214	52	7338
7.00000-	1	4.98230-	1-6.00000-	1	5.03590-	1-5.00000-	1	5.06910-	1500214	52	7339
4.00000-	1	5.08850-	1-3.00000-	1	5.09980-	1-2.00000-	1	5.10690-	1500214	52	7340
1.00000-	1	5.10750-	1 0.00000+	0	5.10750-	1 1.00000-	1	5.10750-	1500214	52	7341
2.00000-	1	5.10690-	1 3.00000-	1	5.09980-	1 4.00000-	1	5.08850-	1500214	52	7342
5.00000-	1	5.06910-	1 6.00000-	1	5.03590-	1 7.00000-	1	4.98230-	1500214	52	7343
8.00000-	1	4.87250-	1 9.00000-	1	4.77550-	1 1.00000+	0	4.61610-	1500214	52	7344
0.00000+	0	7.00000+	6	0	0	1	21500214	52	7345		
	21		2				500214	52	7346		
1.00000+	0	5.07070-	1-9.00000-	1	4.76300-	1-8.00000-	1	4.87870-	1500214	52	7347
7.00000-	1	4.95590-	1-6.00000-	1	5.00670-	1-5.00000-	1	5.03970-	1500214	52	7348
4.00000-	1	5.05900-	1-3.00000-	1	5.06920-	1-2.00000-	1	5.07570-	1500214	52	7349
1.00000-	1	5.07780-	1 0.00000+	0	5.07780-	1 1.00000-	1	5.07780-	1500214	52	7350
2.00000-	1	5.07570-	1 3.00000-	1	5.06920-	1 4.00000-	1	5.05900-	1500214	52	7351
5.00000-	1	5.03970-	1 6.00000-	1	5.00670-	1 7.00000-	1	4.95590-	1500214	52	7352
8.00000-	1	4.87870-	1 9.00000-	1	4.76300-	1 1.00000+	0	5.07070-	1500214	52	7353
4.23200+	6	4.23200+	6	0	0	1	7500214	52	7354		
	7		2				500214	52	7355		
***** EGI MUST BE IN DECENDING ORDER. *****											
0.00000+	0	4.41000+	6	0	0	1	21500214	52	7356		
	21		2				500214	52	7357		
1.00000+	0	5.73090-	1-9.00000-	1	5.81370-	1-8.00000-	1	5.73500-	1500214	52	7358
7.00000-	1	5.53620-	1-6.00000-	1	5.27950-	1-5.00000-	1	5.00620-	1500214	52	7359
4.00000-	1	4.72880-	1-3.00000-	1	4.48860-	1-2.00000-	1	4.29400-	1500214	52	7360
1.00000-	1	4.18220-	1 0.00000+	0	4.14080-	1 1.00000-	1	4.18220-	1500214	52	7361



2.00000-	1	4.29400-	1	3.00000-	1	4.48860-	1	4.00000-	1	4.72880-	1500214	52	7362
5.00000-	1	5.00620-	1	6.00000-	1	5.27950-	1	7.00000-	1	5.53620-	1500214	52	7363
8.00000-	1	5.73500-	1	9.00000-	1	5.81370-	1	1.00000+	0	5.73090-	1500214	52	7364
0.00000+	0	4.50000+	6		0		0		1		21500214	52	7365
	21		2								500214	52	7366
1.00000+	0	5.71650-	1	9.00000-	1	5.72970-	1	8.00000-	1	5.61370-	1500214	52	7367
7.00000-	1	5.42620-	1	6.00000-	1	5.21150-	1	5.00000-	1	4.93180-	1500214	52	7368
4.00000-	1	4.76590-	1	3.00000-	1	4.57510-	1	2.00000-	1	4.41560-	1500214	52	7369
1.00000-	1	4.32050-	1	0.00000+	0	4.30350-	1	1.00000-	1	4.32050-	1500214	52	7370
2.00000-	1	4.41560-	1	3.00000-	1	4.57510-	1	4.00000-	1	4.76590-	1500214	52	7371
5.00000-	1	4.93180-	1	6.00000-	1	5.21150-	1	7.00000-	1	5.42620-	1500214	52	7372
8.00000-	1	5.61370-	1	9.00000-	1	5.72970-	1	1.00000+	0	5.71650-	1500214	52	7373
0.00000+	0	5.00000+	6		0		0		1		21500214	52	7374
	21		2								500214	52	7375
1.00000+	0	5.93600-	1	9.00000-	1	5.99190-	1	8.00000-	1	5.85600-	1500214	52	7376
7.00000-	1	5.62040-	1	6.00000-	1	5.31270-	1	5.00000-	1	4.98120-	1500214	52	7377
4.00000-	1	4.66570-	1	3.00000-	1	4.39400-	1	2.00000-	1	4.17420-	1500214	52	7378
1.00000-	1	4.03850-	1	0.00000+	0	3.99460-	1	1.00000-	1	4.03850-	1500214	52	7379
2.00000-	1	4.17420-	1	3.00000-	1	4.39400-	1	4.00000-	1	4.66570-	1500214	52	7380
5.00000-	1	4.98120-	1	6.00000-	1	5.31270-	1	7.00000-	1	5.62040-	1500214	52	7381
8.00000-	1	5.85600-	1	9.00000-	1	5.99190-	1	1.00000+	0	5.93600-	1500214	52	7382
0.00000+	0	5.50000+	6		0		0		1		21500214	52	7383
	21		2								500214	52	7384
1.00000+	0	5.97940-	1	9.00000-	1	5.94390-	1	8.00000-	1	5.79390-	1500214	52	7385
7.00000-	1	5.53360-	1	6.00000-	1	5.24990-	1	5.00000-	1	4.95670-	1500214	52	7386
4.00000-	1	4.67170-	1	3.00000-	1	4.43450-	1	2.00000-	1	4.24760-	1500214	52	7387
1.00000-	1	4.13300-	1	0.00000+	0	4.09080-	1	1.00000-	1	4.13300-	1500214	52	7388
2.00000-	1	4.24760-	1	3.00000-	1	4.43450-	1	4.00000-	1	4.67170-	1500214	52	7389
5.00000-	1	4.95670-	1	6.00000-	1	5.24990-	1	7.00000-	1	5.53360-	1500214	52	7390
8.00000-	1	5.79390-	1	9.00000-	1	5.94390-	1	1.00000+	0	5.97940-	1500214	52	7391
0.00000+	0	6.00000+	6		0		0		1		21500214	52	7392
	21		2								500214	52	7393
1.00000+	0	5.98820-	1	9.00000-	1	5.90940-	1	8.00000-	1	5.74350-	1500214	52	7394
7.00000-	1	5.51130-	1	6.00000-	1	5.22100-	1	5.00000-	1	4.93490-	1500214	52	7395
4.00000-	1	4.68190-	1	3.00000-	1	4.44970-	1	2.00000-	1	4.29210-	1500214	52	7396
1.00000-	1	4.18850-	1	0.00000+	0	4.14700-	1	1.00000-	1	4.18850-	1500214	52	7397
2.00000-	1	4.29210-	1	3.00000-	1	4.44970-	1	4.00000-	1	4.68190-	1500214	52	7398
5.00000-	1	4.93490-	1	6.00000-	1	5.22100-	1	7.00000-	1	5.51130-	1500214	52	7399
8.00000-	1	5.74350-	1	9.00000-	1	5.90940-	1	1.00000+	0	5.98820-	1500214	52	7400
0.00000+	0	6.50000+	6		0		0		1		21500214	52	7401
	21		2								500214	52	7402
1.00000+	0	5.95500-	1	9.00000-	1	5.87940-	1	8.00000-	1	5.69860-	1500214	52	7403
7.00000-	1	5.46340-	1	6.00000-	1	5.21120-	1	5.00000-	1	4.93800-	1500214	52	7404
4.00000-	1	4.69000-	1	3.00000-	1	4.48000-	1	2.00000-	1	4.32860-	1500214	52	7405
1.00000-	1	4.23200-	1	0.00000+	0	4.20250-	1	1.00000-	1	4.23200-	1500214	52	7406
2.00000-	1	4.32860-	1	3.00000-	1	4.48000-	1	4.00000-	1	4.69000-	1500214	52	7407
5.00000-	1	4.93800-	1	6.00000-	1	5.21120-	1	7.00000-	1	5.46340-	1500214	52	7408
8.00000-	1	5.69860-	1	9.00000-	1	5.87940-	1	1.00000+	0	5.95500-	1500214	52	7409
0.00000+	0	7.00000+	6		0		0		1		21500214	52	7410
	21		2								500214	52	7411
1.00000+	0	5.93230-	1	9.00000-	1	5.83470-	1	8.00000-	1	5.65220-	1500214	52	7412
7.00000-	1	5.43150-	1	6.00000-	1	5.18120-	1	5.00000-	1	4.93930-	1500214	52	7413
4.00000-	1	4.71440-	1	3.00000-	1	4.51920-	1	2.00000-	1	4.37070-	1500214	52	7414

1.00000-	1	4.26880-	1	0.00000+	0	4.24340-	1	1.00000-	1	4.26880-	1500214	52	7415
2.00000-	1	4.37070-	1	3.00000-	1	4.51920-	1	4.00000-	1	4.71440-	1500214	52	7416
5.00000-	1	4.93930-	1	6.00000-	1	5.18120-	1	7.00000-	1	5.43150-	1500214	52	7417
8.00000-	1	5.65220-	1	9.00000-	1	5.83470-	1	1.00000+	0	5.93230-	1500214	52	7418
										500214	0		7419
1.20240+	4	2.41030+	1		0		2		1	0500214	53		7420
5.22400+	6	3.85600+	6		0		0		1	5500214	53		7421
	5		2							500214	53		7422
0.00000+	0	5.44080+	6		0		0		1	21500214	53		7423
	21		2							500214	53		7424
1.00000+	0	6.71430-	1	-9.00000-	1	5.58900-	1	-8.00000-	1	4.94350-	1500214	53	7425
7.00000-	1	4.61690-	1	-6.00000-	1	4.51840-	1	-5.00000-	1	4.57540-	1500214	53	7426
4.00000-	1	4.71790-	1	-3.00000-	1	4.89420-	1	-2.00000-	1	5.04460-	1500214	53	7427
1.00000-	1	5.15080-	1	0.00000+	0	5.18450-	1	1.00000-	1	5.15080-	1500214	53	7428
2.00000-	1	5.04460-	1	3.00000-	1	4.89420-	1	4.00000-	1	4.71790-	1500214	53	7429
5.00000-	1	4.57540-	1	6.00000-	1	4.51840-	1	7.00000-	1	4.61690-	1500214	53	7430
8.00000-	1	4.94350-	1	9.00000-	1	5.58900-	1	1.00000+	0	6.71430-	1500214	53	7431
0.00000+	0	5.50000+	6		0		0		1	21500214	53		7432
	21		2							500214	53		7433
1.00000+	0	6.44090-	1	-9.00000-	1	5.51790-	1	-8.00000-	1	4.99260-	1500214	53	7434
7.00000-	1	4.70980-	1	-6.00000-	1	4.61100-	1	-5.00000-	1	4.64900-	1500214	53	7435
4.00000-	1	4.78730-	1	-3.00000-	1	4.88490-	1	-2.00000-	1	4.99790-	1500214	53	7436
1.00000-	1	5.07780-	1	0.00000+	0	5.10280-	1	1.00000-	1	5.07780-	1500214	53	7437
2.00000-	1	4.99790-	1	3.00000-	1	4.88490-	1	4.00000-	1	4.78730-	1500214	53	7438
5.00000-	1	4.64900-	1	6.00000-	1	4.61100-	1	7.00000-	1	4.70980-	1500214	53	7439
8.00000-	1	4.99260-	1	9.00000-	1	5.51790-	1	1.00000+	0	6.44090-	1500214	53	7440
0.00000+	0	6.00000+	6		0		0		1	21500214	53		7441
	21		2							500214	53		7442
1.00000+	0	6.16420-	1	-9.00000-	1	5.46700-	1	-8.00000-	1	5.01060-	1500214	53	7443
7.00000-	1	4.83510-	1	-6.00000-	1	4.74020-	1	-5.00000-	1	4.74230-	1500214	53	7444
4.00000-	1	4.79640-	1	-3.00000-	1	4.87510-	1	-2.00000-	1	4.94540-	1500214	53	7445
1.00000-	1	4.99800-	1	0.00000+	0	5.01560-	1	1.00000-	1	4.99800-	1500214	53	7446
2.00000-	1	4.94540-	1	3.00000-	1	4.87510-	1	4.00000-	1	4.79640-	1500214	53	7447
5.00000-	1	4.74230-	1	6.00000-	1	4.74020-	1	7.00000-	1	4.83510-	1500214	53	7448
8.00000-	1	5.01060-	1	9.00000-	1	5.46700-	1	1.00000+	0	6.16420-	1500214	53	7449
0.00000+	0	6.50000+	6		0		0		1	21500214	53		7450
	21		2							500214	53		7451
1.00000+	0	6.08270-	1	-9.00000-	1	5.44350-	1	-8.00000-	1	5.04400-	1500214	53	7452
7.00000-	1	4.85420-	1	-6.00000-	1	4.76730-	1	-5.00000-	1	4.76380-	1500214	53	7453
4.00000-	1	4.80680-	1	-3.00000-	1	4.86970-	1	-2.00000-	1	4.93410-	1500214	53	7454
1.00000-	1	4.97810-	1	0.00000+	0	4.99410-	1	1.00000-	1	4.97810-	1500214	53	7455
2.00000-	1	4.93410-	1	3.00000-	1	4.86970-	1	4.00000-	1	4.80680-	1500214	53	7456
5.00000-	1	4.76380-	1	6.00000-	1	4.76730-	1	7.00000-	1	4.85420-	1500214	53	7457
8.00000-	1	5.04400-	1	9.00000-	1	5.44350-	1	1.00000+	0	6.08270-	1500214	53	7458
0.00000+	0	7.00000+	6		0		0		1	21500214	53		7459
	21		2							500214	53		7460
1.00000+	0	6.02030-	1	-9.00000-	1	5.42080-	1	-8.00000-	1	5.04600-	1500214	53	7461
7.00000-	1	4.86170-	1	-6.00000-	1	4.77670-	1	-5.00000-	1	4.77180-	1500214	53	7462
4.00000-	1	4.81620-	1	-3.00000-	1	4.87720-	1	-2.00000-	1	4.94010-	1500214	53	7463
1.00000-	1	4.98110-	1	0.00000+	0	4.99610-	1	1.00000-	1	4.98110-	1500214	53	7464
2.00000-	1	4.94010-	1	3.00000-	1	4.87720-	1	4.00000-	1	4.81620-	1500214	53	7465
5.00000-	1	4.77180-	1	6.00000-	1	4.77670-	1	7.00000-	1	4.86170-	1500214	53	7466
8.00000-	1	5.04600-	1	9.00000-	1	5.42080-	1	1.00000+	0	6.02030-	1500214	53	7467

1.20240+	4	2.41030+	1						500214	0	7468
6.00000+	6	4.63200+	6	0	0	1			0500214	54	7469
	3		2						3500214	54	7470
0.00000+	0	6.25200+	6	0	0	1			500214	54	7471
	21		2						21500214	54	7472
1.00000+	0	6.20660-	1-9.00000-	1	0.25710-	1-8.00000-	1	6.08720-	500214	54	7473
7.00000-	1	5.79160-	1-6.00000-	1	5.37350-	1-5.00000-	1	5.30000-	1500214	54	7474
4.00000-	1	4.51850-	1-3.00000-	1	4.15890-	1-2.00000-	1	3.88340-	1500214	54	7475
1.00000-	1	3.70350-	1 0.00000+	0	3.64630-	1 1.00000-	1	3.70350-	1500214	54	7476
2.00000-	1	3.88340-	1 3.00000-	1	4.15890-	1 4.00000-	1	4.51850-	1500214	54	7477
5.00000-	1	5.30000-	1 6.00000-	1	5.37350-	1 7.00000-	1	5.79160-	1500214	54	7478
8.00000-	1	6.08720-	1 9.00000-	1	6.25710-	1 1.00000+	0	6.20660-	1500214	54	7479
0.00000+	0	6.50000+	6	0	0	1			21500214	54	7480
	21		2						500214	54	7481
1.00000+	0	6.27480-	1-9.00000-	1	6.29690-	1-8.00000-	1	6.11540-	1500214	54	7482
7.00000-	1	5.78190-	1-6.00000-	1	5.39270-	1-5.00000-	1	4.96640-	1500214	54	7483
4.00000-	1	4.55890-	1-3.00000-	1	4.20670-	1-2.00000-	1	3.92860-	1500214	54	7484
1.00000-	1	3.76190-	1 0.00000+	0	3.70630-	1 1.00000-	1	3.76190-	1500214	54	7485
2.00000-	1	3.92860-	1 3.00000-	1	4.20670-	1 4.00000-	1	4.55890-	1500214	54	7486
5.00000-	1	4.96640-	1 6.00000-	1	5.39270-	1 7.00000-	1	5.78190-	1500214	54	7487
8.00000-	1	6.11540-	1 9.00000-	1	6.29690-	1 1.00000+	0	6.27480-	1500214	54	7488
0.00000+	0	7.00000+	6	0	0	1			21500214	54	7489
	21		2						500214	54	7490
1.00000+	0	6.24330-	1-9.00000-	1	6.22090-	1-8.00000-	1	6.04990-	1500214	54	7491
7.00000-	1	5.70780-	1-6.00000-	1	5.31740-	1-5.00000-	1	4.90830-	1500214	54	7492
4.00000-	1	4.53280-	1-3.00000-	1	4.19440-	1-2.00000-	1	4.31340-	1500214	54	7493
1.00000-	1	3.77430-	1 0.00000+	0	3.71840-	1 1.00000-	1	3.77430-	1500214	54	7494
2.00000-	1	4.31340-	1 3.00000-	1	4.19440-	1 4.00000-	1	4.53280-	1500214	54	7495
5.00000-	1	4.90830-	1 6.00000-	1	5.31740-	1 7.00000-	1	5.70780-	1500214	54	7496
8.00000-	1	6.04990-	1 9.00000-	1	6.22090-	1 1.00000+	0	6.24330-	1500214	54	7497
									500214	0	7498
1.20240+	4	2.41030+	1	1	2	2			0500214	55	7500
									500214	0	7501
									5002 0	0	7502
1.20240+	4	2.41030+	1	2	1	1			0500215	5	7503
5.84000+	5	0.00000+	0	0	0	2			1500215	5	7504
0.00000+	0	1.00000+	0						500215	5	7505
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ THE FOLLOWING ES-EG PAIR IS ASSUMED TO BE THE ISOTROPIC ONE IN FILE 14. \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$											
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$ ES = 5.8400E+05 EG = 5.8400E+05 \$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$											
									500215	0	7506
1.20240+	4	2.41030+	1	2	1	2			0500215	6	7507
9.76000+	5	0.00000+	0	0	0	4			2500215	6	7508
5.84000+	5	4.90000-	1 0.00000+	0	5.10000-	1			500215	6	7509
									500215	0	7510
1.20240+	4	2.41030+	1	2	1	3			0500215	7	7511
1.36800+	6	0.00000+	0	0	0	2			1500215	7	7512
0.00000+	0	1.00000+	0						500215	7	7513
									500215	0	7514
1.20240+	4	2.41030+	1	2	1	4			0500215	8	7515
1.61100+	6	0.00000+	0	0	0	2			1500215	8	7516
0.00000+	0	1.00000+	0						500215	8	7517
									500215	0	7518

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1.20240+ 4 2.41030+ 1          2          1          5          0500215 9 7519
1.81000+ 6 0.00000+ 0          0          0          2          1500215 9 7520
0.40000+ 0 1.00000+ 0          0          0          0          500215 9 7521
                                     500215 0 7522
1.20240+ 4 2.41030+ 1          2          1          6          0500215 10 7523
1.96200+ 6 0.00000+ 0          0          0          6          3500215 10 7524
9.76000+ 5 2.50000- 1 5.84000+ 5 5.00000- 1 0.00000+ 0 2.50000- 1500215 10 7525
                                     500215 0 7526
1.20240+ 4 2.41030+ 1          2          1          7          0500215 11 7527
2.56500+ 6 0.00000+ 0          0          0          2          1500215 11 7528
0.00000+ 0 0.00000+ 0          0          0          0          500215 11 7529
***** TPI LESS THAN OR EQUAL TO 0.0 AT ESI = 0. *****
***** TOTAL TP LESS THAN 0.9999. *****
***** TP = 0. *****
                                     500215 0 7530
1.20240+ 4 2.41030+ 1          2          1          8          0500215 12 7531
2.73600+ 6 0.00000+ 0          0          0          2          1500215 12 7532
0.00000+ 0 0.00000+ 0          0          0          0          500215 12 7533
***** TPI LESS THAN OR EQUAL TO 0.0 AT ESI = 0. *****
***** TOTAL TP LESS THAN 0.9999. *****
***** TP = 0. *****
                                     500215 0 7534
1.20240+ 4 2.41030+ 1          2          1          9          0500215 13 7535
2.80300+ 6 0.00000+ 0          0          0          2          1500215 13 7536
0.00000+ 0 0.00000+ 0          0          0          0          500215 13 7537
***** TPI LESS THAN OR EQUAL TO 0.0 AT ESI = 0. *****
***** TOTAL TP LESS THAN 0.9999. *****
***** TP = 0. *****
                                     500215 0 7538
1.20240+ 4 2.41030+ 1          2          1          10         0500215 14 7539
2.94000+ 6 0.00000+ 0          0          0          4          2500215 14 7540
1.81000+ 6 9.00000- 1 0.00000+ 0 1.00000- 1          500215 14 7541
                                     500215 0 7542
1.20240+ 4 2.41030+ 1          1          0          0          1500215 15 7543
0.00000+ 0 0.00000+ 0          0          0          1          9500215 15 7544
          9          2          500215 15 7545
4.00000+ 6 2.91110+ 0 6.00000+ 6 7.43040- 1 8.00000+ 6 6.37540- 1500215 15 7546
1.00000+ 7 1.28650+ 0 1.20000+ 7 1.48370+ 0 1.40000+ 7 1.70750+ 0500215 15 7547
1.60000+ 7 1.07770+ 0 1.80000+ 7 1.17030+ 0 2.00000+ 7 1.21640+ 0500215 15 7548
0.00000+ 0 0.00000+ 0          0          1          1          9500215 15 7549
          9          2          500215 15 7550
4.00000+ 6 2.91110+ 0 6.00000+ 6 7.43040- 1 8.00000+ 6 6.37540- 1500215 15 7551
1.00000+ 7 1.28650+ 0 1.20000+ 7 1.48370+ 0 1.40000+ 7 1.70750+ 0500215 15 7552
1.60000+ 7 1.07770+ 0 1.80000+ 7 1.17030+ 0 2.00000+ 7 1.21640+ 0500215 15 7553
0.00000+ 0 0.00000+ 0          0          0          1          9500215 15 7554
          9          2          500215 15 7555
0.00000+ 0 4.00000+ 6          0          0          1          6500215 15 7556
          6          2          500215 15 7557
1.00000+ 5 9.92800-26 2.50000+ 5 7.94240- 8 7.50000+ 5 2.48200- 7500215 15 7558
1.25000+ 6 3.57410- 7 1.75000+ 6 9.43160- 7 2.50000+ 6 2.18420- 7500215 15 7559
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 4.00000E+06, AVERAGE PHOTON ENERGY = 1.5593E+06 $$$$$$$$$$
0.00000+ 0 6.00000+ 6          0          0          1          8500215 15 7560
          8          2          500215 15 7561

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1.00000+ 5 5.35120-26 2.50000+ 5 4.49500- 8 7.50000+ 5 1.40470- 7500215 15 7562
1.25000+ 6 2.02280- 7 1.75000+ 6 5.33780- 7 2.50000+ 6 2.02280- 7500215 15 7563
3.50000+ 6 1.68560- 7 4.50000+ 6 2.69700- 7 500215 15 7564
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 6.00000E+06, AVERAGE PHOTON ENERGY = 2.4058E+06  $$$$$$$$$$
0.00000+ 0 8.00000+ 6 0 0 1 10500215 15 7565
10 2 500215 15 7566
1.00000+ 5 2.95390-26 2.50000+ 5 2.71760- 8 7.50000+ 5 8.49250- 8500215 15 7567
1.25000+ 6 1.22290- 7 1.75000+ 6 3.22860- 7 2.50000+ 6 2.75160- 7500215 15 7568
3.50000+ 6 2.03820- 7 4.50000+ 6 1.63060- 7 5.50000+ 6 7.13370- 8500215 15 7569
6.50000+ 6 1.35880- 8 500215 15 7570
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 8.00000E+06, AVERAGE PHOTON ENERGY = 2.9492E+06  $$$$$$$$$$
0.00000+ 0 1.00000+ 7 0 0 1 11500215 15 7571
11 2 500215 15 7572
1.00000+ 5 1.47360-26 2.50000+ 5 1.45820- 8 7.50000+ 5 4.55770- 8500215 15 7573
1.25000+ 6 6.56180- 8 1.75000+ 6 1.73140- 7 2.50000+ 6 3.53510- 7500215 15 7574
3.50000+ 6 2.33270- 7 4.50000+ 6 1.49420- 7 5.50000+ 6 9.11400- 8500215 15 7575
6.50000+ 6 4.73900- 8 7.50000+ 6 1.82280- 9 500215 15 7576
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 1.00000E+07, AVERAGE PHOTON ENERGY = 3.3269E+06  $$$$$$$$$$
0.00000+ 0 1.20000+ 7 0 0 1 12500215 15 7577
12 2 500215 15 7578
1.00000+ 5 1.43860-26 2.50000+ 5 1.29820- 8 7.50000+ 5 4.05690- 8500215 15 7579
1.25000+ 6 5.84220- 8 1.75000+ 6 1.54220- 7 2.50000+ 6 3.21240- 7500215 15 7580
3.50000+ 6 2.23990- 7 4.50000+ 6 1.42800- 7 5.50000+ 6 9.41140- 8500215 15 7581
6.50000+ 6 6.65360- 8 7.50000+ 6 3.89430- 8 8.50000+ 6 4.86820- 9500215 15 7582
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 1.20000E+07, AVERAGE PHOTON ENERGY = 3.6136E+06  $$$$$$$$$$
0.00000+ 0 1.40000+ 7 0 0 1 14500215 15 7583
14 2 500215 15 7584
1.00000+ 5 1.42730-26 2.50000+ 5 1.14190- 8 7.50000+ 5 3.56840- 8500215 15 7585
1.25000+ 6 5.13850- 8 1.75000+ 6 1.35600- 7 2.50000+ 6 2.89750- 7500215 15 7586
3.50000+ 6 2.11250- 7 4.50000+ 6 1.37030- 7 5.50000+ 6 9.13500- 8500215 15 7587
6.50000+ 6 6.70850- 8 7.50000+ 6 5.28120- 8 8.50000+ 6 3.56840- 8500215 15 7588
9.50000+ 6 1.85560- 8 1.05000+ 7 1.42730- 9 500215 15 7589
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 1.40000E+07, AVERAGE PHOTON ENERGY = 4.0062E+06  $$$$$$$$$$
0.00000+ 0 1.60000+ 7 0 0 1 15500215 15 7590
15 2 500215 15 7591
1.00000+ 5 1.71680-26 2.50000+ 5 7.29280- 9 7.50000+ 5 2.27990- 8500215 15 7592
1.25000+ 6 5.34260- 7 1.75000+ 6 8.66100- 8 2.50000+ 6 1.86950- 7500215 15 7593
3.50000+ 6 1.43130- 7 4.50000+ 6 1.01190- 7 5.50000+ 6 7.20180- 8500215 15 7594
6.50000+ 6 5.56060- 8 7.50000+ 6 4.55860- 8 8.50000+ 6 3.64640- 8500215 15 7595
9.50000+ 6 2.64380- 8 1.05000+ 7 1.73220- 8 1.15000+ 7 7.29280- 9500215 15 7596
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 1.60000E+07, AVERAGE PHOTON ENERGY = 3.6873E+06  $$$$$$$$$$
0.00000+ 0 1.80000+ 7 0 0 1 17500215 15 7597
17 2 500215 15 7598
1.00000+ 5 1.74030-26 2.50000+ 5 6.51570- 9 7.50000+ 5 2.03620- 8500215 15 7599
1.25000+ 6 4.77190- 7 1.75000+ 6 7.73740- 8 2.50000+ 6 1.70220- 7500215 15 7600
3.50000+ 6 1.32750- 7 4.50000+ 6 1.01810- 7 5.50000+ 6 7.90100- 8500215 15 7601
6.50000+ 6 6.19030- 8 7.50000+ 6 4.96860- 8 8.50000+ 6 4.07230- 8500215 15 7602
9.50000+ 6 3.17610- 8 1.05000+ 7 2.44340- 8 1.15000+ 7 1.71040- 8500215 15 7603
1.25000+ 7 1.05880- 8 1.35000+ 7 4.07230- 9 500215 15 7604
$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 1.80000E+07, AVERAGE PHOTON ENERGY = 4.1567E+06  $$$$$$$$$$
0.00000+ 0 2.00000+ 7 0 0 1 19500215 15 7605
19 2 500215 15 7606

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1,00000+ 5 1.80570-26 2,50000+ 5 5.72030- 9 7,50000+ 5 1.78760- 8500215 15 7607
1,25000+ 6 4.19100- 7 1.75000+ 6 6.79290- 8 2,50000+ 6 1.51590- 7500215 15 7608
3,50000+ 6 1.24410- 7 4,50000+ 6 1.00110- 7 5,50000+ 6 8.00810- 8500215 15 7609
6,50000+ 6 6.50760- 8 7,50000+ 6 5.36280- 8 8,50000+ 6 4.50510- 8500215 15 7610
9,50000+ 6 3.79910- 8 1,05000+ 7 3.14550- 8 1,15000+ 7 2.50270- 8500215 15 7611
1,25000+ 7 1.93930- 8 1,35000+ 7 1.35860- 8 1,45000+ 7 7.86550- 9500215 15 7612
1,55000+ 7 2.14510- 9 500215 15 7613
$$$$$$$$$$$$ AT INCIDENT NEUTRON ENERGY = 2.00000E+07, AVERAGE PHOTON ENERGY = 4.7430E+06 $$$$$$$$$$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 4.5392E+06 EV AT INCIDENT NEUTRON ENERGY = 4.0000E+06 $$$$
***** TOTAL PHOTON ENERGY EXCEEDS THAT ALLOWED BY Q+ECM (CENTER MASS NEUT ENERGY). *****
***** EV/INTERACTION = 4.5392E+06 Q = . ECM = 3.8407E+06 *****
***** INCIDENT NEUTRON ENERGY = 4.0000E+06 *****
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.7876E+06 EV AT INCIDENT NEUTRON ENERGY = 6.0000E+06 $$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.8802E+06 EV AT INCIDENT NEUTRON ENERGY = 8.0000E+06 $$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 4.2801E+06 EV AT INCIDENT NEUTRON ENERGY = 1.0000E+07 $$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 5.3615E+06 EV AT INCIDENT NEUTRON ENERGY = 1.2000E+07 $$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 6.8406E+06 EV AT INCIDENT NEUTRON ENERGY = 1.4000E+07 $$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 3.9738E+06 EV AT INCIDENT NEUTRON ENERGY = 1.6000E+07 $$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 4.8646E+06 EV AT INCIDENT NEUTRON ENERGY = 1.8000E+07 $$$$
$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 5.7694E+06 EV AT INCIDENT NEUTRON ENERGY = 2.0000E+07 $$$$
500215 0 7614
1,20240+ 4 2.41030+ 1 2 1 11 0500215 51 7615
4,12000+ 6 0.00000+ 0 0 0 2 1500215 51 7616
1,36800+ 6 1.00000+ 0 500215 51 7617
500215 0 7618
1,20240+ 4 2.41030+ 1 2 1 12 0500215 52 7619
4,23200+ 6 0.00000+ 0 0 0 4 2500215 52 7620
1,36800+ 6 2.50900- 1 0.00000+ 0 7.50000- 1 500215 52 7621
500215 0 7622
1,20240+ 4 2.41030+ 1 2 1 13 0500215 53 7623
5,22400+ 6 0.00000+ 0 0 0 2 1500215 53 7624
1,36800+ 6 1.00000+ 0 500215 53 7625
500215 0 7626
1,20240+ 4 2.41030+ 1 2 1 14 0500215 54 7627
6,00000+ 6 0.00000+ 0 0 0 6 3500215 54 7628
4,23200+ 6 4.50000- 2 4,12000+ 6 4.50000- 2 1,36800+ 6 9.10000- 1500215 54 7629
500215 0 7630
1,20240+ 4 2.41030+ 1 2 1 15 0500215 55 7631
6,44000+ 6 0.00000+ 0 0 0 4 2500215 55 7632
4,23200+ 6 1,70000- 1 1,36800+ 6 8,30000- 1 500215 55 7633
$$$$$$$$$$$$ THE FOLLOWING ES-EG PAIR IS ASSUMED TO BE THE ISOTROPIC ONE IN FILE 14. $$$$$$$$$$$$$$$$$
$$$$$$$$$$$$ ES = 6.4400E+06 EG = 2.2080E+06 $$$$$$$$$$$$$$$$$
$$$$$$$$$$$$ THE FOLLOWING ES-EG PAIR IS ASSUMED TO BE THE ISOTROPIC ONE IN FILE 14. $$$$$$$$$$$$$$$$$
$$$$$$$$$$$$ ES = 6.4400E+06 EG = 5.0720E+06 $$$$$$$$$$$$$$$$$

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1.20240+	4	2.41030+	1	1	0	25	500215	0	7634	
0.00000+	0	0.00000+	0	0	0	1	2500215	102	7635	
	2		2				2500215	102	7636	
							500215	102	7637	
1.00000-	4	2.91540+	0	1.00000+	6	2.91540+	0	500215	102	7638
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
0.00000+	0	3.92000+	5	0	2	1	2500215	102	7639	
	2		2				500215	102	7640	
							500215	102	7641	
1.00000-	4	1.37500-	1	1.00000+	6	1.37500-	1	2500215	102	7642
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
0.00000+	0	5.84000+	5	0	2	1	2500215	102	7643	
	2		2				500215	102	7644	
							500215	102	7644	
1.00000-	4	6.28000-	1	1.00000+	6	6.28000-	1	2500215	102	7645
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****										
0.00000+	0	9.76000+	5	0	2	1	2500215	102	7645	
	2		2				500215	102	7646	
							500215	102	7647	
1.00000-	4	1.41800-	1	1.00000+	6	1.41800-	1	2500215	102	7648
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****										
0.00000+	0	9.84000+	5	0	2	1	2500215	102	7648	
	2		2				500215	102	7649	
							500215	102	7650	
1.00000-	4	1.06400-	2	1.00000+	6	1.06400-	2	2500215	102	7651
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****										
0.00000+	0	1.13000+	6	0	2	1	2500215	102	7651	
	2		2				500215	102	7652	
							500215	102	7653	
1.00000-	4	7.01600-	2	1.00000+	6	7.01600-	2	2500215	102	7654
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****										
0.00000+	0	1.81000+	6	0	2	1	2500215	102	7654	
	2		2				500215	102	7655	
							500215	102	7656	
1.00000-	4	9.12700-	2	1.00000+	6	9.12700-	2	2500215	102	7657
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****										
0.00000+	0	2.13000+	6	0	2	1	2500215	102	7657	
	2		2				500215	102	7658	
							500215	102	7659	
1.00000-	4	3.02000-	3	1.00000+	6	3.02000-	3	2500215	102	7660
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****										
0.00000+	0	2.53200+	6	0	2	1	2500215	102	7660	
	2		2				500215	102	7661	
							500215	102	7662	
1.00000-	4	9.85700-	2	1.00000+	6	9.85700-	2	2500215	102	7663
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****										
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****										
0.00000+	0	2.82400+	6	0	2	1	2500215	102	7663	
	2		2				500215	102	7664	

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1.00000- 4 4.74920- 1 1.00000+ 6 4.74920- 1          500215102 7665
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 2.88000+ 6          0          2          1          2500215102 7666
          2          2
1.00000- 4 2.82500- 2 1.00000+ 6 2.82500- 2          500215102 7667
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 2.94000+ 6          0          2          1          2500215102 7669
          2          2
1.00000- 4 7.78000- 3 1.00000+ 6 7.78000- 3          500215102 7670
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 3.06000+ 6          0          2          1          2500215102 7672
          2          2
1.00000- 4 1.37140- 1 1.00000+ 6 1.37140- 1          500215102 7673
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 3.29000+ 6          0          2          1          2500215102 7675
          2          2
1.00000- 4 1.37140- 1 1.00000+ 6 1.37140- 1          500215102 7676
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 3.40800+ 6          0          2          1          2500215102 7678
          2          2
1.00000- 4 8.57100- 2 1.00000+ 6 8.57100- 2          500215102 7679
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 3.56000+ 6          0          2          1          2500215102 7681
          2          2
1.00000- 4 2.82500- 2 1.00000+ 6 2.82500- 2          500215102 7682
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 3.92300+ 6          0          2          1          2500215102 7684
          2          2
1.00000- 4 6.60000- 1 1.00000+ 6 6.60000- 1          500215102 7685
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 5.45000+ 6          0          2          1          2500215102 7687
          2          2
1.00000- 4 1.07900- 2 1.00000+ 6 1.07900- 2          500215102 7688
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 6.35500+ 6          0          2          1          2500215102 7690
          2          2

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1.00000- 4 4.28600- 2 1.00000+ 6 4.28600- 2          500215102 7692
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 6.43700+ 6          0          2          1          2500215102 7693
          2          2          500215102 7694
1.00000- 4 3.81000- 3 1.00000+ 6 3.81000- 3          500215102 7695
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 6.74700+ 6          0          2          1          2500215102 7696
          2          2          500215102 7697
1.00000- 4 1.71400- 2 1.00000+ 6 1.71400- 2          500215102 7698
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 7.16000+ 6          0          2          1          2500215102 7699
          2          2          500215102 7700
1.00000- 4 3.02000- 3 1.00000+ 6 3.02000- 3          500215102 7701
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 7.33100+ 6          0          2          1          2500215102 7702
          2          2          500215102 7703

1.00000- 4 7.90000- 4 1.00000+ 6 7.90000- 4          500215102 7704
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 8.16000+ 6          0          2          1          2500215102 7705
          2          2          500215102 7706
1.00000- 4 7.79400- 2 1.00000+ 6 7.79400- 2          500215102 7707
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 9.29000+ 6          0          2          1          2500215102 7708
          2          2          500215102 7709
1.00000- 4 1.79400- 2 1.00000+ 6 1.79400- 2          500215102 7710
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

0.00000+ 0 1.10970+ 7          0          2          1          2500215102 7711
          2          2          500215102 7712
1.00000- 4 9.50000- 4 1.00000+ 6 9.50000- 4          500215102 7713
***** FIRST ENERGY LESS THAN EFFECTIVE THRESHOLD IN FILE 3( = 1.00000E-02). *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 7.6801E+06 EV AT INCIDENT NEUTRON ENERGY = 1.0000E-04 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 7.6801E+06 EV AT INCIDENT NEUTRON ENERGY = 1.0000E+06 $$$$

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1.20240+	4	2.41030+	1							500215	0	7714
0.00000+	0	0.00000+	0			1	0		8	8500215110	10	7715
	85		5			0	0		1	85500215110	10	7716
										500215110		7717
6.44000+	6	7.23966-	1	6.45000+	6	7.24660-	1	6.50000+	6	7.26410-	1	500215110 7718
6.55000+	6	7.31780-	1	6.60000+	6	7.35050-	1	6.65000+	6	7.38800-	1	500215110 7719
6.70000+	6	7.41730-	1	6.71100+	6	7.42220-	1	6.75000+	6	7.44760-	1	500215110 7720
6.80000+	6	7.47860-	1	6.85000+	6	7.54930-	1	6.90000+	6	7.61610-	1	500215110 7721
6.95000+	6	7.67560-	1	7.00000+	6	7.69780-	1	7.05000+	6	4.13300-	1	500215110 7722
7.10000+	6	4.13500-	1	7.15000+	6	4.13700-	1	7.20000+	6	4.13900-	1	500215110 7723
7.25000+	6	4.14200-	1	7.30000+	6	4.14500-	1	7.35000+	6	4.14700-	1	500215110 7724
7.40000+	6	4.14800-	1	7.45000+	6	4.15100-	1	7.50000+	6	4.15300-	1	500215110 7725
7.55000+	6	4.15600-	1	7.60000+	6	4.15800-	1	7.65000+	6	4.16000-	1	500215110 7726
7.70000+	6	4.16300-	1	7.75000+	6	4.16600-	1	7.80000+	6	4.16900-	1	500215110 7727
7.85000+	6	4.17000-	1	7.90000+	6	4.17300-	1	7.95000+	6	4.17800-	1	500215110 7728
8.00000+	6	4.18000-	1	8.05000+	6	4.18300-	1	8.10000+	6	4.18800-	1	500215110 7729
8.15000+	6	4.19100-	1	8.20000+	6	4.19300-	1	8.25000+	6	4.19800-	1	500215110 7730
8.30000+	6	4.20000-	1	8.35000+	6	4.20300-	1	8.40000+	6	4.20800-	1	500215110 7731
8.45000+	6	4.21100-	1	8.50000+	6	4.21500-	1	8.55000+	6	4.21800-	1	500215110 7732
8.60000+	6	4.22200-	1	8.65000+	6	4.22700-	1	8.70000+	6	4.23100-	1	500215110 7733
8.75000+	6	4.23300-	1	8.80000+	6	4.23900-	1	8.85000+	6	4.24300-	1	500215110 7734
8.90000+	6	4.24700-	1	8.95000+	6	4.25000-	1	9.00000+	6	4.25300-	1	500215110 7735
9.10000+	6	4.26200-	1	9.20000+	6	4.27200-	1	9.30000+	6	4.28200-	1	500215110 7736
9.40000+	6	4.29100-	1	9.50000+	6	4.30000-	1	9.60000+	6	4.30900-	1	500215110 7737
9.70000+	6	4.31900-	1	9.80000+	6	4.32900-	1	9.90000+	6	4.34000-	1	500215110 7738
1.00000+	7	4.35100-	1	1.01000+	7	4.36100-	1	1.02000+	7	4.37200-	1	500215110 7739
1.03000+	7	4.38200-	1	1.04000+	7	4.39300-	1	1.05000+	7	4.40400-	1	500215110 7740
1.06000+	7	4.41600-	1	1.07000+	7	4.42700-	1	1.08000+	7	4.43200-	1	500215110 7741
1.09000+	7	4.45000-	1	1.10000+	7	4.46200-	1	1.12000+	7	4.48300-	1	500215110 7742
1.14000+	7	4.50800-	1	1.16000+	7	4.53200-	1	1.18000+	7	4.55800-	1	500215110 7743
1.20000+	7	4.58300-	1	1.25000+	7	4.65200-	1	1.30000+	7	4.71800-	1	500215110 7744
1.35000+	7	4.78300-	1	1.40000+	7	4.85500-	1	1.45000+	7	4.92700-	1	500215110 7745
1.50000+	7	4.99800-	1							500215110		7746
1.36800+	6	1.36800+	6			0	2		1	84500215110		7747
	84		5							500215110		7748
6.44060+	6	4.19280-	1	6.45000+	6	4.19400-	1	6.50000+	6	4.20700-	1	500215110 7749
6.55000+	6	4.21300-	1	6.60000+	6	4.21900-	1	6.65000+	6	4.23200-	1	500215110 7750
6.70000+	6	4.23800-	1	6.75000+	6	4.24300-	1	6.80000+	6	4.24700-	1	500215110 7751
6.85000+	6	4.27500-	1	6.90000+	6	4.30400-	1	6.95000+	6	4.32400-	1	500215110 7752
7.00000+	6	4.32700-	1	7.05000+	6	4.13300-	1	7.10000+	6	4.13500-	1	500215110 7753
7.15000+	6	4.13700-	1	7.20000+	6	4.13900-	1	7.25000+	6	4.14200-	1	500215110 7754
7.30000+	6	4.14500-	1	7.35000+	6	4.14700-	1	7.40000+	6	4.14800-	1	500215110 7755
7.45000+	6	4.15100-	1	7.50000+	6	4.15300-	1	7.55000+	6	4.15600-	1	500215110 7756
7.60000+	6	4.15800-	1	7.65000+	6	4.16000-	1	7.70000+	6	4.16300-	1	500215110 7757
7.75000+	6	4.16600-	1	7.80000+	6	4.16900-	1	7.85000+	6	4.17000-	1	500215110 7758
7.90000+	6	4.17300-	1	7.95000+	6	4.17800-	1	8.00000+	6	4.18000-	1	500215110 7759
8.05000+	6	4.18300-	1	8.10000+	6	4.18800-	1	8.15000+	6	4.19100-	1	500215110 7760
8.20000+	6	4.19300-	1	8.25000+	6	4.19800-	1	8.30000+	6	4.20000-	1	500215110 7761
8.35000+	6	4.20300-	1	8.40000+	6	4.20800-	1	8.45000+	6	4.21100-	1	500215110 7762
8.50000+	6	4.21500-	1	8.55000+	6	4.21800-	1	8.60000+	6	4.22200-	1	500215110 7763
8.65000+	6	4.22700-	1	8.70000+	6	4.23100-	1	8.75000+	6	4.23300-	1	500215110 7764
8.80000+	6	4.23900-	1	8.85000+	6	4.24300-	1	8.90000+	6	4.24700-	1	500215110 7765
8.95000+	6	4.25000-	1	9.00000+	6	4.25300-	1	9.10000+	6	4.26200-	1	500215110 7766
9.20000+	6	4.27200-	1	9.30000+	6	4.28200-	1	9.40000+	6	4.29100-	1	500215110 7767

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9.50000+ 6 4.30000- 1 9.60000+ 6 4.30900- 1 9.70000+ 6 4.31900- 1500215110 7768
9.80000+ 6 4.32900- 1 9.90000+ 6 4.34000- 1 1.00000+ 7 4.35100- 1500215110 7769
1.01000+ 7 4.36100- 1 1.02000+ 7 4.37200- 1 1.03000+ 7 4.38200- 1500215110 7770
1.04000+ 7 4.39300- 1 1.05000+ 7 4.40400- 1 1.06000+ 7 4.41600- 1500215110 7771
1.07000+ 7 4.42700- 1 1.08000+ 7 4.43200- 1 1.09000+ 7 4.45000- 1500215110 7772
1.10000+ 7 4.46200- 1 1.12000+ 7 4.48300- 1 1.14000+ 7 4.50800- 1500215110 7773
1.16000+ 7 4.53200- 1 1.18000+ 7 4.55800- 1 1.20000+ 7 4.58300- 1500215110 7774
1.25000+ 7 4.65200- 1 1.30000+ 7 4.71800- 1 1.35000+ 7 4.78300- 1500215110 7775
1.40000+ 7 4.85500- 1 1.45000+ 7 4.92700- 1 1.50000+ 7 4.99800- 1500215110 7776

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\*\*\*\*\* THE FOLLOWING ES-EG PAIR IS IN FILE 14 UNDER A DIFFERENT MT. \*\*\*\*\*

```

***** ES = 1.3680E+06 EG = 1.3680E+06 *****
4.12000+ 6 2.75200+ 6 0 2 1 13500215110 7777
13 5 500215110 7778
6.44060+ 6 8.05680- 2 6.45000+ 6 8.05900- 2 6.50000+ 6 7.79100- 2500215110 7779
6.55000+ 6 7.99900- 2 6.60000+ 6 8.00600- 2 6.65000+ 6 8.01300- 2500215110 7780
6.70000+ 6 8.01900- 2 6.75000+ 6 8.02600- 2 6.80000+ 6 7.95500- 2500215110 7781
6.85000+ 6 7.96200- 2 6.90000+ 6 7.96900- 2 6.95000+ 6 7.97600- 2500215110 7782
7.00000+ 6 7.98000- 2 500215110 7783

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\*\*\*\*\* THE FOLLOWING ES-EG PAIR IS IN FILE 14 UNDER A DIFFERENT MT. \*\*\*\*\*

```

***** ES = 4.1200E+06 EG = 2.7520E+06 *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

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```

4.23200+ 6 2.86400+ 6 0 2 1 13500215110 7784
13 5 500215110 7785
6.44060+ 6 3.72060- 2 6.45000+ 6 3.71900- 2 6.50000+ 6 3.69900- 2500215110 7786
6.55000+ 6 3.68900- 2 6.60000+ 6 3.67900- 2 6.65000+ 6 3.66000- 2500215110 7787
6.70000+ 6 3.64000- 2 6.75000+ 6 3.62300- 2 6.80000+ 6 3.61000- 2500215110 7788
6.85000+ 6 3.59700- 2 6.90000+ 6 3.58300- 2 6.95000+ 6 3.56900- 2500215110 7789
7.00000+ 6 3.53600- 2 500215110 7790

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\*\*\*\*\* THE FOLLOWING ES-EG PAIR IS IN FILE 14 UNDER A DIFFERENT MT. \*\*\*\*\*

```

***** ES = 4.2320E+06 EG = 2.8640E+06 *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

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```

4.23200+ 6 4.23200+ 6 0 2 1 13500215110 7791
13 5 500215110 7792
6.44060+ 6 1.11910- 1 6.45000+ 6 1.11870- 1 6.50000+ 6 1.11390- 1500215110 7793
6.55000+ 6 1.11170- 1 6.60000+ 6 1.10940- 1 6.65000+ 6 1.10430- 1500215110 7794
6.70000+ 6 1.09910- 1 6.75000+ 6 1.09490- 1 6.80000+ 6 1.09170- 1500215110 7795
6.85000+ 6 1.08850- 1 6.90000+ 6 1.08540- 1 6.95000+ 6 1.08230- 1500215110 7796
7.00000+ 6 1.07290- 1 500215110 7797

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\*\*\*\*\* THE FOLLOWING ES-EG PAIR IS IN FILE 14 UNDER A DIFFERENT MT. \*\*\*\*\*

```

***** ES = 4.2320E+06 EG = 4.2320E+06 *****
***** EGI MUST BE IN DESCENDING ORDER WITHIN AN MT. *****

```

```

5.22400+ 6 3.85600+ 6 0 2 1 13500215110 7798
13 5 500215110 7799
6.44060+ 6 6.89630- 2 6.45000+ 6 6.92600- 2 6.50000+ 6 7.08300- 2500215110 7800
6.55000+ 6 7.24000- 2 6.60000+ 6 7.39800- 2 6.65000+ 6 7.55500- 2500215110 7801
6.70000+ 6 7.71200- 2 6.75000+ 6 7.79100- 2 6.80000+ 6 7.87000- 2500215110 7802
6.85000+ 6 8.02700- 2 6.90000+ 6 8.18500- 2 6.95000+ 6 8.26400- 2500215110 7803
7.00000+ 6 8.34300- 2 500215110 7804

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\*\*\*\*\* THE FOLLOWING ES-EG PAIR IS IN FILE 14 UNDER A DIFFERENT MT. \*\*\*\*\*

```

***** ES = 5.2240E+06 EG = 3.8560E+06 *****

```

```

6.00000+ 6 4.63200+ 6          0          2          1          13500215110 7805
      13          5          500215110 7806
6.44060+ 6 6.03950- 3 6.45000+ 6 6.44000- 3 6.50000+ 6 8.59000- 3500215110 7807
6.55000+ 6 1.00300- 2 6.60000+ 6 1.14600- 2 6.65000+ 6 1.28900- 2500215110 7808
6.70000+ 6 1.43200- 2 6.75000+ 6 1.57500- 2 6.80000+ 6 1.71900- 2500215110 7809
6.85000+ 6 1.86200- 2 6.90000+ 6 2.00600- 2 6.95000+ 6 2.14800- 2500215110 7810
7.00000+ 6 2.22000- 2          500215110 7811
***** THE FOLLOWING ES-EG PAIR IS IN FILE 14 UNDER A DIFFERENT MT. *****
*****          ES = 6.0000E+06          EG = 4.9320E+06          *****
*****          EGI MUST BE IN DESCENDING ORDER WITHIN AN MT.          *****

6.44000+ 6 2.20800+ 6          0          2          1          7500215110 7812
      7          5          500215110 7813
6.71100+ 6 1.00000-20 6.75000+ 6 1.30000- 4 6.80000+ 6 4.00000- 4500215110 7814
6.85000+ 6 6.70000- 4 6.90000+ 6 9.40000- 4 6.95000+ 6 1.20000- 3500215110 7815
7.00000+ 6 1.47000- 3          500215110 7816
***** THE FOLLOWING ES-EG PAIR WAS NOT FOUND IN FILE 14.          ES = 6.4400E+06 EG = 2.2080E+06 ***
6.44000+ 6 5.07200+ 6          0          2          1          7500215110 7817
      7          5          500215110 7818
6.71100+ 6 1.00000-20 6.75000+ 6 0.90000- 4 6.80000+ 6 2.05000- 3500215110 7819
6.85000+ 6 3.43000- 3 6.90000+ 6 4.30000- 3 6.95000+ 6 6.16000- 3500215110 7820
7.00000+ 6 7.53000- 3          500215110 7821
***** THE FOLLOWING ES-EG PAIR WAS NOT FOUND IN FILE 14.          ES = 6.4400E+06 EG = 5.0720E+06 ***
*****          EGI MUST BE IN DESCENDING ORDER WITHIN AN MT.          *****

*****          CALC. SUM OF YIELDS IS 0.0 AT E = 6.4400E+06          *****

*****          TABULATED TOTAL YIELD NOT EQUAL TOTAL OF THE SUBSECTION YIELDS.          *****
*****          TABULATED TOTAL YIELD = 7.2466000E-01          *****
*****          CALCULATED TOTAL YIELD = 7.2475000E-01          *****
*****          ENERGY = 6.4500000E+06          *****

$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.6724E+06 EV AT INCIDENT NEUTRON ENERGY = 6.4500E+06 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.6802E+06 EV AT INCIDENT NEUTRON ENERGY = 6.5000E+06 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.6982E+06 EV AT INCIDENT NEUTRON ENERGY = 6.5500E+06 $$$$

*****          TABULATED TOTAL YIELD NOT EQUAL TOTAL OF THE SUBSECTION YIELDS.          *****
*****          TABULATED TOTAL YIELD = 7.3505000E-01          *****
*****          CALCULATED TOTAL YIELD = 7.3513000E-01          *****
*****          ENERGY = 6.6000000E+06          *****

$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.7107E+06 EV AT INCIDENT NEUTRON ENERGY = 6.6000E+06 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.7226E+06 EV AT INCIDENT NEUTRON ENERGY = 6.6500E+06 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.7335E+06 EV AT INCIDENT NEUTRON ENERGY = 6.7000E+06 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.7353E+06 EV AT INCIDENT NEUTRON ENERGY = 6.7110E+06 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.7456E+06 EV AT INCIDENT NEUTRON ENERGY = 6.7500E+06 $$$$
$$$$$$$$$$$$$$$$ TOTAL PHOTON ENERGY RELEASED = 1.7597E+06 EV AT INCIDENT NEUTRON ENERGY = 6.8000E+06 $$$$

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SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	1.7823E+06	EV AT INCIDENT NEUTRON ENERGY =	6.8500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	1.8025E+06	EV AT INCIDENT NEUTRON ENERGY =	6.9000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	1.8233E+06	EV AT INCIDENT NEUTRON ENERGY =	6.9500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	1.8328E+06	EV AT INCIDENT NEUTRON ENERGY =	7.0000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6539E+05	EV AT INCIDENT NEUTRON ENERGY =	7.0500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6567E+05	EV AT INCIDENT NEUTRON ENERGY =	7.1000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6594E+05	EV AT INCIDENT NEUTRON ENERGY =	7.1500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6622E+05	EV AT INCIDENT NEUTRON ENERGY =	7.2000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6663E+05	EV AT INCIDENT NEUTRON ENERGY =	7.2500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6704E+05	EV AT INCIDENT NEUTRON ENERGY =	7.3000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6731E+05	EV AT INCIDENT NEUTRON ENERGY =	7.3500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6745E+05	EV AT INCIDENT NEUTRON ENERGY =	7.4000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6786E+05	EV AT INCIDENT NEUTRON ENERGY =	7.4500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6813E+05	EV AT INCIDENT NEUTRON ENERGY =	7.5000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6854E+05	EV AT INCIDENT NEUTRON ENERGY =	7.5500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6881E+05	EV AT INCIDENT NEUTRON ENERGY =	7.6000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6909E+05	EV AT INCIDENT NEUTRON ENERGY =	7.6500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6950E+05	EV AT INCIDENT NEUTRON ENERGY =	7.7000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.6991E+05	EV AT INCIDENT NEUTRON ENERGY =	7.7500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7032E+05	EV AT INCIDENT NEUTRON ENERGY =	7.8000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7046E+05	EV AT INCIDENT NEUTRON ENERGY =	7.8500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7087E+05	EV AT INCIDENT NEUTRON ENERGY =	7.9000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7155E+05	EV AT INCIDENT NEUTRON ENERGY =	7.9500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7182E+05	EV AT INCIDENT NEUTRON ENERGY =	8.0000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7223E+05	EV AT INCIDENT NEUTRON ENERGY =	8.0500E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7292E+05	EV AT INCIDENT NEUTRON ENERGY =	8.1000E+06	SSSS
SSSSSSSSSSSSSS	TOTAL PHOTON ENERGY RELEASED =	5.7333E+05	EV AT INCIDENT NEUTRON ENERGY =	8.1500E+06	SSSS

\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7360E+05	EV AT INCIDENT NEUTRON ENERGY =	8.2000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7429E+05	EV AT INCIDENT NEUTRON ENERGY =	8.2500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7456E+05	EV AT INCIDENT NEUTRON ENERGY =	8.3000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7497E+05	EV AT INCIDENT NEUTRON ENERGY =	8.3500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7565E+05	EV AT INCIDENT NEUTRON ENERGY =	8.4000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7606E+05	EV AT INCIDENT NEUTRON ENERGY =	8.4500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7661E+05	EV AT INCIDENT NEUTRON ENERGY =	8.5000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7702E+05	EV AT INCIDENT NEUTRON ENERGY =	8.5500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7757E+05	EV AT INCIDENT NEUTRON ENERGY =	8.6000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7825E+05	EV AT INCIDENT NEUTRON ENERGY =	8.6500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7880E+05	EV AT INCIDENT NEUTRON ENERGY =	8.7000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7907E+05	EV AT INCIDENT NEUTRON ENERGY =	8.7500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.7990E+05	EV AT INCIDENT NEUTRON ENERGY =	8.8000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8044E+05	EV AT INCIDENT NEUTRON ENERGY =	8.8500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8099E+05	EV AT INCIDENT NEUTRON ENERGY =	8.9000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8140E+05	EV AT INCIDENT NEUTRON ENERGY =	8.9500E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8181E+05	EV AT INCIDENT NEUTRON ENERGY =	9.0000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8304E+05	EV AT INCIDENT NEUTRON ENERGY =	9.1000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8441E+05	EV AT INCIDENT NEUTRON ENERGY =	9.2000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8578E+05	EV AT INCIDENT NEUTRON ENERGY =	9.3000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8701E+05	EV AT INCIDENT NEUTRON ENERGY =	9.4000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8824E+05	EV AT INCIDENT NEUTRON ENERGY =	9.5000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.8947E+05	EV AT INCIDENT NEUTRON ENERGY =	9.6000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.9084E+05	EV AT INCIDENT NEUTRON ENERGY =	9.7000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.9221E+05	EV AT INCIDENT NEUTRON ENERGY =	9.8000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.9371E+05	EV AT INCIDENT NEUTRON ENERGY =	9.9000E+06	\$\$\$\$
\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$\$	TOTAL PHOTON ENERGY RELEASED =	5.9522E+05	EV AT INCIDENT NEUTRON ENERGY =	1.0000E+07	\$\$\$\$

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SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 5.9658E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0100E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 5.9809E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0200E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 5.9946E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0300E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.0096E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0400E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.0247E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0500E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.0411E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0600E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.0561E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0700E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.0630E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0800E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.0876E+05 EV AT INCIDENT NEUTRON ENERGY = 1.0900E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.1040E+05 EV AT INCIDENT NEUTRON ENERGY = 1.1000E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.1327E+05 EV AT INCIDENT NEUTRON ENERGY = 1.1200E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.1669E+05 EV AT INCIDENT NEUTRON ENERGY = 1.1400E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.1998E+05 EV AT INCIDENT NEUTRON ENERGY = 1.1600E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.2353E+05 EV AT INCIDENT NEUTRON ENERGY = 1.1800E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.2695E+05 EV AT INCIDENT NEUTRON ENERGY = 1.2000E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.3639E+05 EV AT INCIDENT NEUTRON ENERGY = 1.2500E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.4542E+05 EV AT INCIDENT NEUTRON ENERGY = 1.3000E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.5431E+05 EV AT INCIDENT NEUTRON ENERGY = 1.3500E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.6416E+05 EV AT INCIDENT NEUTRON ENERGY = 1.4000E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.7401E+05 EV AT INCIDENT NEUTRON ENERGY = 1.4500E+07 SSSS
SSSSSSSSSSSSSSSSSSSS TOTAL PHOTON ENERGY RELEASED = 6.8373E+05 EV AT INCIDENT NEUTRON ENERGY = 1.5000E+07 SSSS

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                    500215 0 7822
                    5002 0 0 7823
***** THE FOLLOWING ES-EG PAIR, GIVEN IN MT = 6 , WAS NOT REFERENCED IN FILE 15. *****
***** ES = 9.76000E+06 EG = 3.92000E+05 *****

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+++++ ALL ES-EP PAIRS ACCOUNTED FOR. FINIS.

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