

# MCNP5 Calculations Replicating Additional ARH-600 Data (2012 Subset)

Prepared for the U.S. Department of Energy  
Assistant Secretary for Environmental Management

Contractor for the U.S. Department of Energy  
under Contract DE-AC06-08RL14788



Approved for Public Release;  
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S. H. Finfrock  
CH2M HILL Plateau Remediation Company

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**APPROVED**

By Delores Pinkal at 7:56 am, Nov 19, 2012

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Release Approval

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Date

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November 2012

Prepared by: Scott H. Finfrock  
for  
CH2M HILL Plateau Remediation Company  
Richland, Washington

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## 1.0 INTRODUCTION

This report serves to extend the previous document: “MCNP Calculations Replicating ARH-600 Data” by replicating additional curves from ARH-600 that were not included in the original document. This report includes the MCNP models used, the calculated critical dimension for each analyzed parameter set, and the resulting data libraries for use with the CritView code. As with the ARH-600 data, this report is not meant to replace the analysis of the fissile systems by qualified criticality personnel. The MCNP data is presented without accounting for the statistical uncertainty (although this is typically less than 0.001) or bias and, as such, the application of a reasonable safety margin is required.

The data that follows pertains to spheres, infinite cylinders, and infinite slabs of varying isotopic composition, reflector thickness, and composition. Each of the cases was modeled in MCNP (version 5.1.40), using the ENDF/B-VI cross-section set. Given a composition, geometry, and reflector thickness, the fissile concentration and diameter (or thickness in the case of the slab geometries) were varied. The diameter for which  $k_{\text{eff}} = 1.0$  for each concentration could then be calculated and graphed. These graphs are included in this report. This document describes the modeling methods, assumptions, and results of this analysis.

The bulk of the data included in this report pertains to three general material compositions. The first is elemental plutonium with a  $^{240}\text{Pu}$  content of 20 wt%, 15 wt%, or 10 wt%. The second composition of interest is uranium dioxide ( $\text{UO}_2$ ) with  $^{235}\text{U}$  enrichments of 1.3 wt%, 2.5 wt%, 3.0 wt%, 4.0 wt%, 5.0 wt%, and 6.0 wt%. Finally, 1.3 wt% elemental uranium was evaluated (for spheres only). Note that the 1.3 wt% data (for both  $\text{UO}_2$  and elemental uranium) does not correspond to curves in ARH600 but was included in order to provide data appropriate for lower enriched fuel.

The data of most interest are the critical dimensions of the various systems analyzed. This is presented graphically, and in table format, in Appendix B. Appendix C provides a text listing of the same data in a format that is compatible with the CritView code. Appendices D and E provide listings of example Template files and MCNP input files (these are discussed further in Section 4). Appendix F is a complete listing of all of the output data (i.e., all of the analyzed dimensions and the resulting  $k_{\text{eff}}$  values).

## 2.0 PHYSICAL PARAMETERS OF THE MODELS

Each nuclear system model consists of two regions – the fissile region and the reflector region (in some cases the reflector has a zero thickness and is effectively absent). The outside edge of the reflector region (or fissile region in the cases without a reflector) was treated as a vacuum boundary. For each region, the material composition, density (which was calculated), and geometry were specified.

## 2.1 GEOMETRY

For the core (fissile) region, the material was listed as a metal-water mixture (in the UO<sub>2</sub> cases it was a metal-oxygen-water mixture). The density of the region was calculated based on theoretical densities and specified fissile concentrations (which was varied). The geometry was either a sphere or infinite cylinder centered at the origin with radius R<sub>c</sub>, or an infinite slab symmetric about y = 0 with boundaries of y = ± R<sub>c</sub>. The MCNP model of the infinite cylinder involved simply a cylinder with no minimum or maximum Z dimension. In the case of the infinite slab, a reflective boundary was explicitly specified at X=-100, X=+100, Y=-100, and Y=+100 (all units in centimeters).

For the reflector region, the material composition was listed as pure light water (<sup>1</sup>H and <sup>16</sup>O atoms in a two to one ratio) and the density was assumed to simply be 1.0 g/cc. Material fractions were calculated as shown below in the calculations section. The geometry of this second region was a shell with the same general geometry as the core region (e.g., a sphere, cylinder, or slab) with a thickness of R<sub>r</sub>. For the cases of the spherical and cylindrical shells, the reflector region is concentric with the fissile region with radius between R<sub>c</sub> and R<sub>c</sub> + R<sub>r</sub>. For the infinite slabs, the reflector is composed of two slabs located between either y = R<sub>c</sub> and y = R<sub>c</sub> + R<sub>r</sub>, or y = -R<sub>c</sub> and y = -R<sub>c</sub> - R<sub>r</sub>.

## 2.2 DENSITY

When running a model of a nuclear system in MCNP, the density of the regions described above must be taken into consideration, as well as the relative abundance of each of the isotopes in the mixture. This section specifies the equations used for determining these values. Also provided are the cross-section identifiers used in the MCNP calculations.

The MCNP calculations require that the relative mass fraction (or atom fraction) of each isotope in a mixture. This was determined by first calculating the weight fraction of the secondary isotope (e.g., <sup>238</sup>U or <sup>240</sup>Pu) and the resulting effective atomic weight of the elemental material. In all cases only two isotopes were considered (e.g., isotopes such as <sup>236</sup>U and <sup>241</sup>Pu were absent), and the mass fraction of the primary isotope (e.g., <sup>235</sup>U or <sup>239</sup>Pu) was given.

The weight fraction of the primary isotope in the elemental material (i.e., enrichment), and the concentration of the fissile material, is given for each case. In order to determine the weight fraction of each isotope it is first necessary to determine the weight fraction of both the fissile material and the water in the model.

These weight fractions are defined as follows:

- $Wf$  = Weight Fraction of Fissile Element in Mixture
  - $WFw$  = Weight Fraction of Water in Mixture
  - $Cf$  = Concentration of Fissile Element in Mixture
  - $Cw$  = Concentration of Water in Mixture
  - $Dm$  = Bulk Density of the Mixture

The bulk density of the mixture (which is required by MCNP) is defined as:

The concentration of the water is just the volume fraction of the water multiplied by the density of pure water (note that the mixture is assumed to not be a solution, i.e., the density is assumed to be equal to the sum of the parts). The volume fraction of the water is (by definition) just one minus the volume fraction of the fissile element. Therefore:

- $VF_f$  = Volume Fraction of Fissile Element in Mixture
  - $D_w$  = Density of Water

The volume fraction of the fissile element is defined as:

- $VFF$  = Volume Fraction of Fissile Element in Mixture
  - $Df$  = Density of Fissile Element in Pure State

Equations 2-3, 2-4, and 2-5 can be solved using the given fissile concentration and the densities from Table 2-1. Note that, for these analyses, approximate densities were used. This introduces a slight imprecision in the results.

Once the weight fractions of the fissile element and of the water have been determined it is possible to calculate the weight fraction of the individual isotopes that make up the mixture.

The fissile element is defined as consisting of two isotopes, a primary (fissile) and a secondary (which may have a zero weight fraction). For plutonium the relevant isotopes are  $^{239}\text{Pu}$  (primary) and  $^{240}\text{Pu}$  (secondary), and for uranium they are  $^{235}\text{U}$  (primary) and  $^{238}\text{U}$  (secondary).

The relative weight fraction of the primary isotope (i.e., the enrichment) is given as part of the problem definition. The relative weight fraction of the secondary isotope is defined as:

- $RWF_s$  =  
*Relative Weight Fraction of Secondary Isotope in the Fissile Element*
  - $RWF_p$  =  
*Relative Weight Fraction of Primary Isotope in the Fissile Element*

For the case of UO<sub>2</sub> the relative weight fraction of oxygen must also be determined and factored into the relative weight fractions of the primary and secondary isotopes of the fissile element. In order to do this it is first necessary to determine the effective atomic weight of the fissile element.

The effective atomic weight for the fissile element (at the given isotopic mix) is then:

- $AW_f$  = Effective Atomic Weight of Fissile Element
  - $AW_p$  = Atomic Weight of Primary Fissile Isotope
  - $AW_s$  = Atomic Weight of Secondary Fissile Isotope

This equation can be solved using the results of Equation 2.2-1 and the atomic weights given in Table 2-2.

The relative weight fraction of the fissile element (assuming a dioxide compound) is then:

- $RWFF$  = Relative Weight Fraction of Fissile Element in Fissile Material
  - $AWo$  = Atomic Weight of Oxygen

Similarly, the relative weight fraction for the oxygen is:

- $RWFof$  = Relative Weight Fraction of oxygen in Fissile Material

The next step is to determine the relative weight fraction of the components of water (hydrogen and oxygen). These are defined as:

$$RWF_{ow} = \frac{AW_o}{(2 * AWh + AW_o)} \quad \text{Equation 2 - 10}$$

$$RWF_{hw} = \frac{2 * AWh}{(2 * AWh + AW_o)} \quad \text{Equation 2 - 11}$$

- $RWF_{hw}$  = Relative Weight Fraction of Hydrogen in Water
- $RWF_{ow}$  = Relative Weight Fraction of Oxygen in Water
- $AWh$  = Atomic Weight of Hydrogen

It is now possible to determine the absolute weight fractions of each of the components as follows:

$$WF_p = RWF_p * RWFF * WFF \quad \text{Equation 2 - 12}$$

$$WF_s = RWF_s * RWFF * WFF \quad \text{Equation 2 - 13}$$

$$WF_{of} = RWF_{of} * WFF \quad \text{Equation 2 - 14}$$

$$WF_{ow} = RWF_{ow} * WFW \quad \text{Equation 2 - 15}$$

$$WF_{hw} = RWF_{hw} * WFW \quad \text{Equation 2 - 16}$$

- $WF_p$  = Weight Fraction of Primary Fissile Isotope in Mixture
- $WF_s$  = Weight Fraction of Secondary Fissile Isotope in Mixture
- $WF_{of}$  = Weight Fraction of Oxygen (in Fissile Compound) in Mixture
- $WF_{ow}$  = Weight Fraction of Oxygen (in Water) in Mixture
- $WF_{hw}$  = Weight Fraction of Hydrogen (in Water) in Mixture

Note that, for elemental fissile materials (i.e., not an oxide),  $RWF_f = 1.0$  and  $RWF_{of} = 0.0$ .

**Table 2-1. Densities of Various Materials**

Material	Density <sup>1</sup> (g/cc)
Water	1.0
Uranium Metal	18.9
Uranium Dioxide	11.0
Plutonium Metal	19.6

<sup>1</sup> Densities are taken from ARH-600. They are approximate and may neglect effects such as temperature, phase, and isotopic enrichment.

**Table 2-2. Atomic Weights of Various Elements and Compounds**

Element	Atomic Weight <sup>1</sup> (amu)	Compound	Atomic Weight (amu)
Hydrogen	1.0079	H <sub>2</sub> O	18.0152
Oxygen	15.9994	HNO <sub>3</sub>	63.0128
Nitrogen	14.0067	NO <sub>3</sub>	62.0049
<sup>239</sup> Pu	239.0522		
<sup>240</sup> Pu	240.0538		
<sup>235</sup> U	235.0439		
<sup>238</sup> U	238.0508		

Elemental atomic weights are taken from Nuclides and Isotopes, Fourteenth Edition, General Electric Company, 1989. Atomic weights for the stable elements are naturally occurring values (i.e., a weighted average over the stable isotopes). Atomic weights for the compounds are calculated from the elemental values.

**Table 2-3. Cross-Sections Used in Models**

Material	Cross-Section Specifier <sup>1</sup>
<sup>1</sup> H	1001.66c
<sup>14</sup> N	7014.66c
<sup>16</sup> O	8016.66c
<sup>235</sup> U	92235.66c
<sup>238</sup> U	92238.66c
<sup>239</sup> Pu	94239.66c
<sup>240</sup> Pu	94240.66c
Hydrogen S( $\alpha, \beta$ )	lwtr.60t

<sup>1</sup> Cross-section specifiers are taken from the MCNP Manual, Appendix G. For this analysis, ENDF/B-VI data have been used.

### 3.0 AUTOMATION ROUTINE

The various systems modeled for this handbook were categorized as a set of specific values for four parameters: fissile material, geometry, enrichment, and reflector thickness. For each such set, a range of concentrations were considered, and for each concentration, a range of diameters (or thicknesses in the case of slabs) was analyzed with MCNP. From the resulting library of data, the diameter for which  $k_{\text{eff}} = 1.0$  for a given concentration was calculated using a linear interpolation for each data set. Many thousands of individual cases were required to produce curves that are equivalent to what is presented in ARH-600. In order to create, run, and evaluate all of these cases in an efficient manner, an automation routine was developed. The automation routine consists of batch files written in disk operating system (DOS) script language, executable files written in Fortran, and a script file, written with Perl<sup>TM</sup> called “worm” (worm was written and distributed by Tom Jones). The batch files were named buildwormset, run-set, and extract-all. The script buildwormset was used to create the various input files for each combination of parameters. The script run-set was then used to submit these sets to a queue, the queue being a list of files for which the computers assigned to the calculations would run. All MCNP calculations were run on computers for which MCNP verification and validation has been documented. Once an MCNP run was completed, local queuing software pulled the name of the next file out of the queue to run. Finally, once all of the sets were run, the extract-all script file took the large amount of generated data and consolidated it into a CritView compatible file.

### 4.0 DESCRIPTION OF THE DATA

The data contained in this document are arranged such that, for each parameter set, there is a graph and a table showing the critical diameter vs. concentration (see Appendix B). This same data are also presented (in Appendix C) in a format compatible with the CritView (version 1.02) electronic handbook code. Appendix D lists the template files that were used by the worm script to produce the MCNP input files for each set. A sample input file for each set, produced by the worm script, is shown in Appendix E. Appendix F lists all of the raw data results (i.e., the dimensions for cases where  $k$  ranged from approximately 0.93 to 1.01).

The graphs of the data in Appendix B are provided for visual reference and comparison to the ARH-600 data (note that a few of the cases analyzed in this report do not have corresponding ARH-600 graphs). In this analysis “full water reflection” (as indicated by ARH-600) was equated to 10 inches of water reflection (for the MCNP data). The precise thickness used in the original ARH-600 calculations is not known, however, 10 inches was deemed as a conservative value to use in these calculations. The graphs are titled with the material, fissile isotope percent, and reflector width. If there is no fissile isotope percent, it shall be taken as 100 percent.

The tables in Appendix B have six columns which are intended to give a summary of all of the cases run for the specific parameter set. The first column contains the concentrations evaluated for the given set. The second column contains the density of the fissile mixture in

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<sup>TM</sup> Perl is a trademark for The Perl Foundation, Walnut California.

g/cc. The third and fourth columns contain the first and last diameter, in inches, analyzed for each concentration. The fifth column consists of the step size, in inches, between each analyzed diameter. The sixth and arguably most important column, contains the interpolated diameter for which  $k_{eff} = 1.0$ . This value was determined by performing a simple interpolation between the highest valued point below 1.0 and the lowest valued point above 1.0. It should be noted that at times there is only a “--” shown in the table. This signifies that the data for  $k_{eff}$  was not calculated for that concentration, either because  $k_{eff} = 1.0$  was impossible or was only possible with a diameter greater than the maximum evaluated (typically 999.99 inches).

## 5.0 CONCLUSIONS

This report documents a series of parametric studies that reproduce some of the plutonium and uranium data presented in ARH-600. This peer reviewed data has been presented in a series of curves that are equivalent to those in ARH-600. The data has also been formatted into an electronic file that can be read by the CritView electronic handbook code, allowing the data to be presented by that software.

**APPENDIX A – INDEPENDENT REVIEW COMMENTS AND CHECKLIST**

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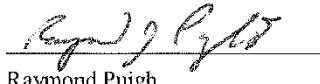
CHPRC REVIEW CHECKLIST		
<p>Document Reviewed: CHPRC-01617, Revision 0, CritView Database - Version 1.05</p>		
<p>Scope of Review: Comparison of CritView library file data to ARH-600 Figures and Appendix B listing to CritView plots for curves changed in library file (see Table 1 in report).</p>		
<b>Yes</b>	<b>No</b>	<b>N/A</b>
<p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> * Previous reviews complete and cover analysis, up to scope of this review, with no gaps.</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Problem completely defined.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Accident scenarios developed in a clear and logical manner.</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Necessary assumptions explicitly stated and supported.</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Computer codes and data files documented.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Data used in calculations explicitly stated in document.</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Data checked for consistency with original source information as applicable.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Mathematical derivation checked including dimensional consistency of results.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Models appropriate and used within range of validity or use outside range of established validity justified.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Hand calculations checked for errors. Spreadsheet results should be treated exactly the same as hand calculations.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Software input correct and consistent with document reviewed.</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Software output consistent with input and with results reported in document reviewed.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Limits/criteria/guidelines applied to analysis results are appropriate and referenced.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Limits/criteria/guidelines checked against references.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Safety margins consistent with good engineering practices.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> Conclusions consistent with analytical results and applicable limits.</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Results and conclusions address all points required in the problem statement.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> * Format consistent with appropriate NRC Regulatory Guide or other standards.</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Review calculations, comments, and/or notes are attached.</p> <p><input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> For calculations in which codes/spreadsheets (e.g., RADIDOSE, GENII, etc) are used, is the latest revision used? Is the User Authorized?</p> <p><input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Document approved.</p>		
Raymond J Puigh II Reviewer (Printed Name and Signature)		10/21/2011 Date
<p>*Any calculations, comments, or notes generated as part of this review should be signed, dated and attached to this checklist. Such material should be labeled and recorded in such a manner as to be intelligible to a technically qualified third party.</p>		

# CHPRC-01905, Revision 0

My peer review covered all aspects of the document, CHPRC-01905, Revision 0, *MCNP5 Calculations Replicating Additional ARH-600 Data (2012 Subset)*, except for the MCNP input and output files. Given the repetitive nature of the calculations and resulting plots selective results were compared to the MCNP output files for each, model geometry, fissionable material and water reflection case analyzed.

The following approach was taken in reviewing the data provided in the Appendices. First selected MCNP output files were compared to the raw data listed in Appendix F, Raw Data Listing to confirm the utility program, getkall, was operating correctly. The utility program was then used to extract all the raw data directly from the MCNP output files and selected diameters from each fissionable material, geometry and water reflection case. Overall all data entries in Appendix F agreed with the data extracted from the MCNP output files. A linear interpolation approach was used to extract the diameter (or height) at which  $k_{eff} = 1$ . In reviewing the data there were several instances (specific to low enriched uranium metal and UO<sub>2</sub> [1.3 wt. % U235]) where the diameters extracted for a given case may have had some ambiguity based on this approach. These cases were at the edge of the data range reported and for some cases resulted in several calculated  $k_{eff}$  values that were within the MCNP statistical uncertainty and all approximately equal to one (1). These cases were not judged to impact the results. The raw data listing in Appendix F was then compared to the data tables and figures in Appendix B and found to be consistent. The data provided in Appendix C was then compared to the data provided in Appendix B and found to be consistent. Finally, the Template Files for Cases (Appendix D) and the Example Input Files (Appendix E) were compared to the original files and confirmed to be consistent.

Comments were provided to the document author on all issues identified within the report. All comments have been addressed to my satisfaction.

  
Raymond Puigh

11/6/2012

Date

Checklist For Technical Peer Review			
Document Reviewed:			
Title: MCNP5 Calculations Replicating Additional ARIJ-600 Data (2012 Subset)			
Author: SF Finfrock			
Date: November 2012			
Scope of Review: Calculations only			
<i>Reserved for CHPRC Criticality Safety Manager use.</i> Technical Peer Review is assigned to:			
RF Richard			Initial and date

Yes	No*	NA	
[ ]	[ ]	X	Unchanged portions of document have been reviewed and the wording, figures and other technical information in those sections match the PDF file in DMCS.
[ ]	[ ]	X	Referenced analyses appropriate.
[ ]	[ ]	X	Problem scope is completely defined and the operation/process is adequately defined in the report.
[ ]	[ ]	X	An approved formal hazards assessment approach was used.
[ ]	[ ]	X	Contingencies or bounding analyses developed in a clear and logical manner from hazards.
[ ]	[ ]	X	Necessary assumptions explicitly stated and supported.
X	[ ]	[ ]	Computer codes and data files documented.
X	[ ]	[ ]	Data used in calculations explicitly stated in document.
[ ]	[ ]	X	Data checked for consistency with original source information as applicable.
[ ]	[ ]	X	Mathematical derivations checked including dimensional consistency of results.
X	[ ]	[ ]	Computational models used in $k_{eff}$ calculations are appropriate and conservative

**CHPRC-01905, Revision 0**

<u>Yes</u>	<u>No*</u>	<u>NA</u>	
[ ]	[ ]	X	Other models appropriate and used within range of validity, or use outside range of established validity justified.
X	[ ]	[ ]	Hand calculations checked for errors. Spreadsheet results should be treated exactly the same as hand calculations.
X	[ ]	[ ]	Software input correct and consistent with document reviewed.
X	[ ]	[ ]	Software output consistent with input and with results reported in document reviewed.
[ ]	[ ]	X	Limits, controls, engineered features and assumptions important to criticality safety are appropriate and discussed within the evaluation.
[ ]	[ ]	X	Safety margins consistent with HNF-7098.
[ ]	[ ]	X	Conclusions consistent with analytical results and applicable limits.
[ ]	[ ]	X	Results and conclusions demonstrate that a criticality is either double contingent or not credible.
[ ]	[ ]	X	All limits and controls are implementable.
[ ]	[ ]	X	Potential common mode failures are addressed
[ ]	[ ]	X	All controls are effective barriers to criticality.
[ ]	[ ]	X	Format consistent with HNF-7098.
[X]		**	Review calculations, comments, and/or notes are attached.

<u>RF Richard RF Richard</u>		<u>11-7-12</u>
Technical Peer Reviewer (printed name and signature)		Date Completed

<b>*</b>	All 'no' responses must be explained below or on an additional sheet.
<b>**</b>	Notes generated as part of this review should be signed, dated and attached to this checklist. The material should be labeled and recorded in such a manner as to be understandable to a technically qualified third party.

# CHPRC-01905, Revision 0

## Review Notes

This review was limited to checking the MCNP input and output files. Due to the large number of calculations, a random sampling of the input and output files was done. For the geometries used (sphere, cylinder, plane) the dimensions were checked and verified. Material compositions and densities were checked. This reviewer found no issues with the MCNP input and output files.

RF Richardson  
11-7-12

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**APPENDIX B – CALCULATIONS AND DATA**

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B.3.3.3	4% $^{235}\text{U}$ .....	B-167
B.3.3.4	3% $^{235}\text{U}$ .....	B-176
B.3.3.5	2.5% $^{235}\text{U}$ .....	B-185

B.3.3.6	1.3% $^{235}\text{U}$ .....	B-194
B.4	U-Water Mixture.....	B-203
B.4.1	SPHERE .....	B-203
B.4.1.1	1.3% $^{235}\text{U}$ .....	B-203

## B.1 INTRODUCTION

This Appendix contains a table of the critical dimensions for every case analyzed. The table also includes the first and last dimension, and the step size, for all of the dimensions that were evaluated in arriving at the critical value. The mixture bulk density is also presented in the table. In addition to the table, the critical values are plotted on a graph along with the corresponding ARH600 graph (where available).

## B.2 PU-WATER MIXTURE

### B.2.1 Sphere

**B.2.1.1 90%  $^{239}\text{Pu}$**

**B.2.1.1.1 0" Water Reflector**

Case ID: pu-sp-0900-00

Material: PU (Elemental)

Geometry: Sphere

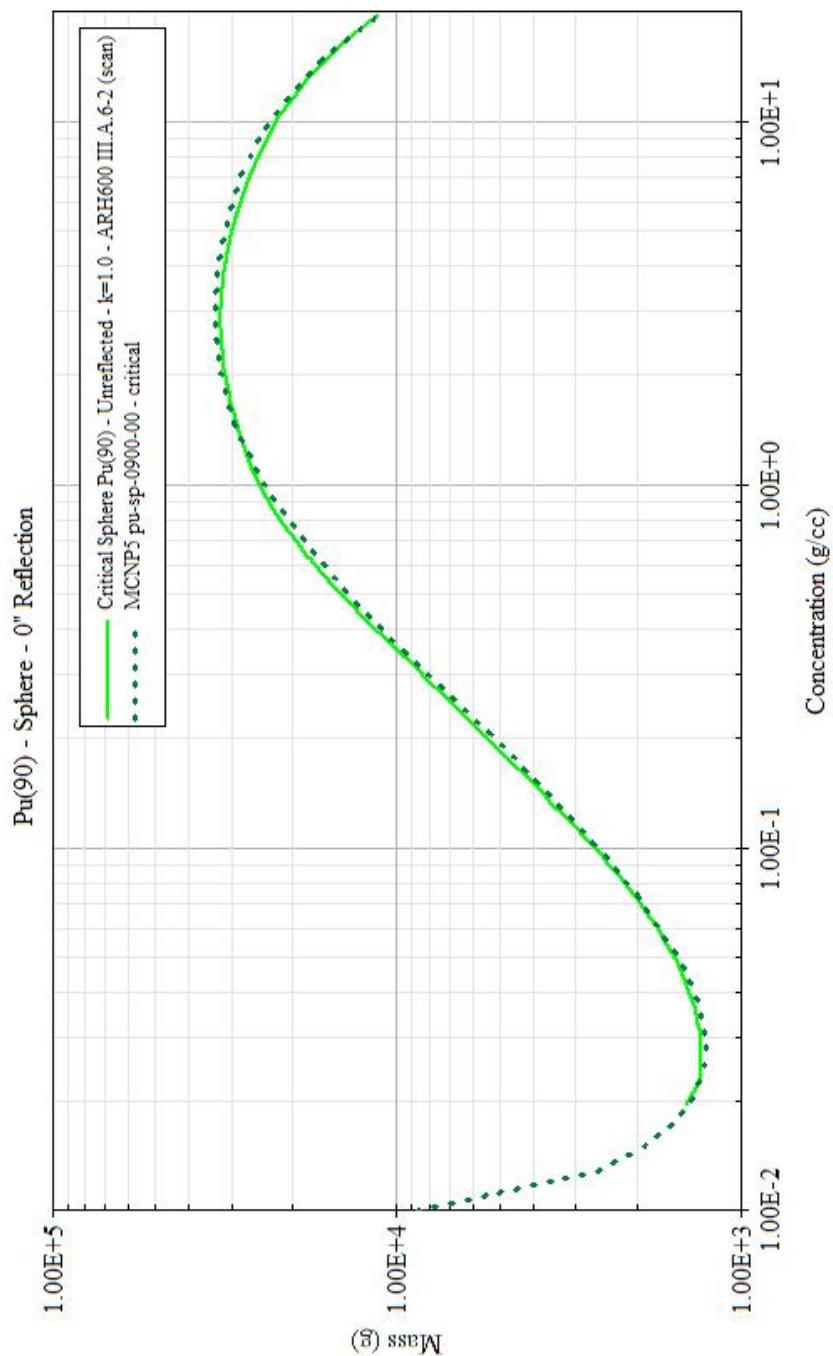
Isotopics: 90%  $^{239}\text{Pu}$

Reflector: 0" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.1.1-1 Pu Sphere – 90% 239Pu - 0” Water Reflection**

**Table B. 2.1.1.1-1 Critical Dimensions for Pu Sphere – 90% 239Pu – 0” Water Reflection**

90% Pu239 Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	30.00	50.00	0.75	46.5344
0.013	1.012337	23.00	29.00	0.25	28.3893
0.015	1.014235	21.00	25.10	0.20	24.5354
0.018	1.017082	18.00	22.00	0.20	21.3950
0.020	1.018980	17.00	21.00	0.20	20.0935
0.022	1.020878	16.00	20.20	0.20	19.1547
0.024	1.022776	16.00	20.00	0.20	18.4329
0.025	1.023724	16.00	20.00	0.20	18.1231
0.026	1.024673	15.80	19.00	0.20	17.8175
0.028	1.026571	15.60	18.00	0.10	17.3676
0.030	1.028469	15.00	19.00	0.20	16.9897
0.032	1.030367	14.90	19.00	0.20	16.6929
0.036	1.034163	14.00	17.40	0.10	16.1710
0.040	1.037959	14.00	17.00	0.10	15.7956
0.045	1.042704	13.90	17.10	0.10	15.4411
0.050	1.047449	13.60	16.00	0.10	15.2100
0.075	1.071173	13.00	16.00	0.10	14.5496
0.100	1.094898	12.90	16.00	0.20	14.3844
0.150	1.142347	12.80	16.00	0.20	14.3780
0.200	1.189796	12.90	16.00	0.20	14.4080
0.350	1.332143	13.00	15.00	0.07	14.6355
0.500	1.474490	12.90	16.20	0.20	14.7007
0.750	1.711735	12.80	15.40	0.10	14.4573
1.000	1.948980	12.50	15.30	0.10	14.0720
1.500	2.423469	11.80	14.30	0.10	13.1872
2.000	2.897959	11.00	13.10	0.10	12.3244
2.500	3.372449	10.50	12.00	0.07	11.5464
3.000	3.846939	10.00	12.00	0.10	10.9231
4.000	4.795918	8.90	10.30	0.05	9.8441
5.000	5.744898	8.00	9.60	0.05	9.0097
6.000	6.693878	7.50	9.10	0.07	8.3286
7.000	7.642857	7.00	8.40	0.05	7.7719
7.500	8.117347	6.90	7.70	0.02	7.5207
8.000	8.591837	6.60	7.40	0.02	7.2888
9.000	9.540816	6.20	7.00	0.02	6.8710
10.000	10.489796	5.90	6.70	0.02	6.4990
15.000	15.234694	4.60	5.50	0.05	5.0255
19.600	19.600000	3.60	4.10	0.02	4.0517

**B.2.1.1.2 1" Water Reflector**

Case ID: Pu-sp-0900-01

Material: PU (Elemental)

Geometry: Sphere

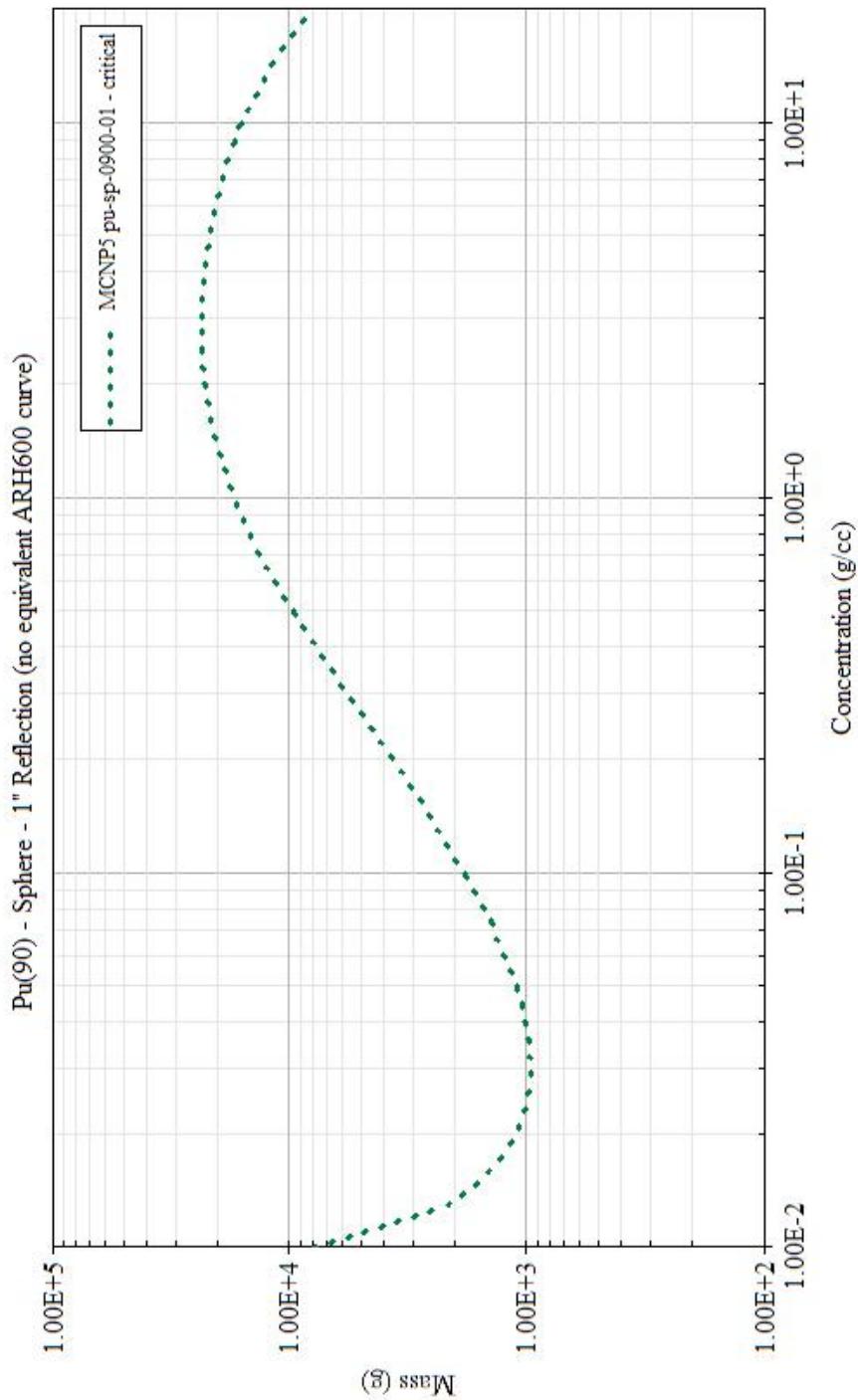
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 1" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.1.2-1 Pu Sphere – 90% 239Pu - 1" Water Reflection**

**Table B. 2.1.1.2-1 Critical Dimensions for Pu Sphere – 90% 239Pu – 1” Water Reflection**

90% Pu239 Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	31.00	48.00	1.00	44.9822
0.013	1.012337	22.00	30.00	0.25	26.8464
0.015	1.014235	19.00	25.00	0.25	22.9891
0.018	1.017082	16.00	21.00	0.20	19.8451
0.020	1.018980	16.00	20.00	0.20	18.5991
0.022	1.020878	15.00	19.00	0.20	17.6373
0.024	1.022776	14.00	19.00	0.20	16.9223
0.025	1.023724	14.00	19.00	0.20	16.6435
0.026	1.024673	14.00	18.00	0.20	16.3164
0.028	1.026571	13.90	18.00	0.20	15.8505
0.030	1.028469	13.00	17.00	0.20	15.4658
0.032	1.030367	13.00	17.00	0.20	15.1613
0.036	1.034163	13.00	16.00	0.20	14.6400
0.040	1.037959	12.00	16.00	0.20	14.2885
0.045	1.042704	12.00	15.20	0.10	13.9128
0.050	1.047449	12.00	15.00	0.10	13.6536
0.075	1.071173	11.60	14.10	0.10	13.0003
0.100	1.094898	11.00	14.00	0.10	12.8117
0.150	1.142347	11.00	14.00	0.10	12.7631
0.200	1.189796	11.00	14.00	0.10	12.8397
0.350	1.332143	11.00	14.10	0.10	13.0487
0.500	1.474490	11.00	14.30	0.10	13.0844
0.750	1.711735	11.00	14.20	0.10	12.8918
1.000	1.948980	11.00	14.00	0.10	12.5623
1.500	2.423469	10.00	12.30	0.10	11.7345
2.000	2.897959	9.70	12.00	0.10	10.9731
2.500	3.372449	9.00	11.00	0.10	10.2610
3.000	3.846939	8.50	10.30	0.07	9.6711
4.000	4.795918	7.80	9.60	0.07	8.6880
5.000	5.744898	7.00	8.00	0.05	7.9282
6.000	6.693878	6.60	7.70	0.05	7.3409
7.000	7.642857	6.00	7.30	0.05	6.8304
7.500	8.117347	6.00	7.00	0.05	6.6227
8.000	8.591837	5.70	7.00	0.05	6.4098
9.000	9.540816	5.50	6.60	0.05	6.0383
10.000	10.489796	5.00	6.30	0.05	5.7124
15.000	15.234694	4.00	4.60	0.02	4.4592
19.600	19.600000	3.30	3.80	0.02	3.6626

**B.2.1.1.3      10" Water Reflector**

Case ID: Pu-sp-0900-10

Material: PU (Elemental)

Geometry: Sphere

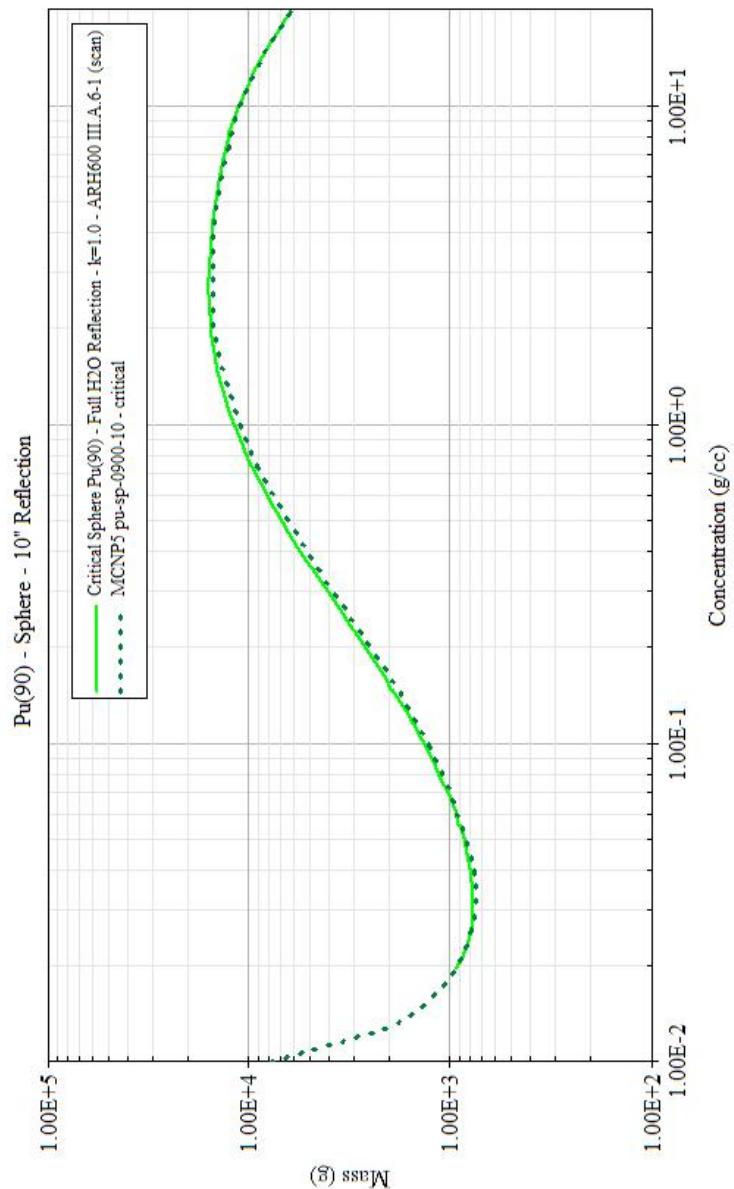
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 10" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.1.3-1 Pu Sphere – 90% 239Pu - 10" Water Reflection**

**Table B. 2.1.1.3-1 Critical Dimensions for Pu Sphere – 90% 239Pu – 10” Water Reflection**

90% Pu239 Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	30.00	50.00	1.00	44.1058
0.013	1.012337	20.00	28.00	0.25	25.7835
0.015	1.014235	17.00	23.00	0.25	21.8844
0.018	1.017082	16.00	20.00	0.20	18.7653
0.020	1.018980	14.90	19.00	0.20	17.4351
0.022	1.020878	14.00	17.30	0.20	16.4549
0.024	1.022776	13.00	17.20	0.20	15.7466
0.025	1.023724	13.00	17.00	0.20	15.4633
0.026	1.024673	13.00	16.00	0.10	15.1696
0.028	1.026571	12.90	16.00	0.20	14.7031
0.030	1.028469	12.60	15.00	0.10	14.2852
0.032	1.030367	12.00	16.00	0.20	13.9700
0.036	1.034163	12.00	15.00	0.20	13.4110
0.040	1.037959	11.00	14.30	0.10	13.0330
0.045	1.042704	11.00	14.00	0.10	12.6708
0.050	1.047449	11.00	13.40	0.10	12.3998
0.075	1.071173	10.00	12.40	0.10	11.6605
0.100	1.094898	9.90	12.00	0.10	11.3935
0.150	1.142347	9.80	11.40	0.07	11.2440
0.200	1.189796	9.80	11.60	0.07	11.2543
0.350	1.332143	10.00	12.00	0.10	11.3513
0.500	1.474490	9.90	12.00	0.10	11.3737
0.750	1.711735	9.70	11.60	0.07	11.2011
1.000	1.948980	9.40	11.00	0.07	10.8696
1.500	2.423469	8.80	11.00	0.10	10.1632
2.000	2.897959	8.00	10.30	0.10	9.5039
2.500	3.372449	7.90	10.00	0.10	8.9082
3.000	3.846939	7.40	9.00	0.07	8.3925
4.000	4.795918	6.70	8.00	0.05	7.5593
5.000	5.744898	6.00	7.60	0.07	6.9353
6.000	6.693878	5.70	7.20	0.07	6.4236
7.000	7.642857	5.40	6.10	0.02	6.0025
7.500	8.117347	5.20	6.00	0.05	5.8068
8.000	8.591837	5.00	5.70	0.02	5.6487
9.000	9.540816	4.80	5.40	0.02	5.3234
10.000	10.489796	4.50	5.10	0.02	5.0518
15.000	15.234694	3.60	4.10	0.02	4.0018
19.600	19.600000	3.00	3.40	0.02	3.3285

**B.2.1.2        85%  $^{239}\text{Pu}$**

**B.2.1.2.1      0" Water Reflection**

Case ID: Pu-sp-0850-00

Material: PU (Elemental)

Geometry: Sphere

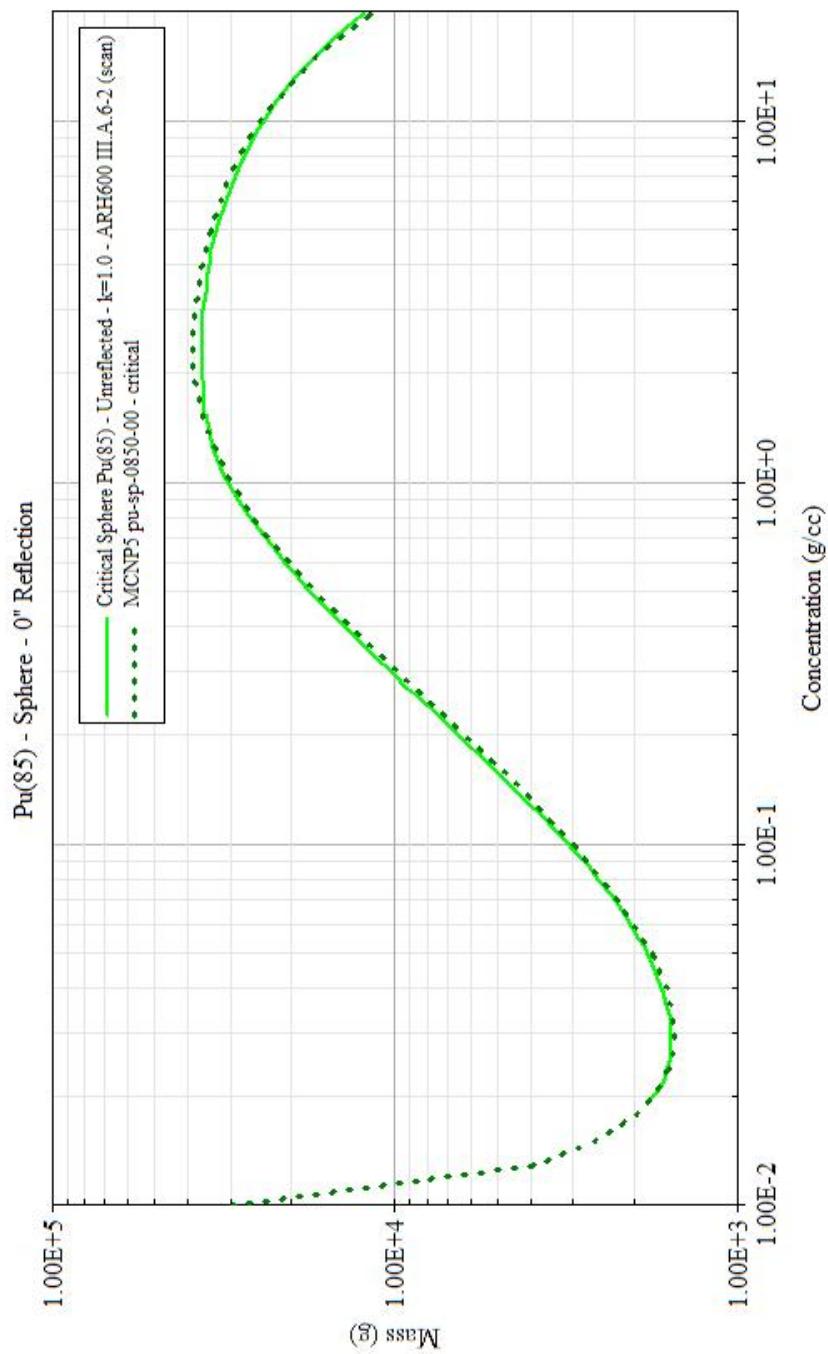
Isotopes: 85%  $^{239}\text{Pu}$

Reflector: 0" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.2.1-1 Pu Sphere - 85% 239Pu – 0” Water Reflection**

**Table B. 2.1.2.1-1 Critical Dimensions for Pu Sphere - 85% 239Pu – 0” Water Reflection**

85% Pu239 Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	30.00	110.00	2.50	70.1470
0.013	1.012337	26.00	34.00	0.25	32.6624
0.015	1.014235	23.00	30.00	0.25	27.2952
0.018	1.017082	20.00	25.00	0.25	23.2844
0.020	1.018980	19.00	22.30	0.20	21.7123
0.022	1.020878	18.00	21.00	0.20	20.5643
0.024	1.022776	17.00	21.00	0.20	19.7029
0.025	1.023724	17.00	21.00	0.20	19.4092
0.026	1.024673	16.00	20.00	0.20	19.0319
0.028	1.026571	16.00	20.00	0.20	18.5006
0.030	1.028469	15.90	19.30	0.20	18.0663
0.032	1.030367	15.00	19.00	0.20	17.6840
0.036	1.034163	15.00	19.00	0.20	17.1258
0.040	1.037959	14.80	18.10	0.20	16.6867
0.045	1.042704	14.00	18.00	0.20	16.3270
0.050	1.047449	14.00	18.00	0.20	16.0231
0.075	1.071173	13.80	17.00	0.20	15.3470
0.100	1.094898	13.00	17.00	0.20	15.1479
0.150	1.142347	13.00	17.00	0.20	15.1492
0.200	1.189796	13.70	17.00	0.20	15.3008
0.350	1.332143	13.70	17.10	0.20	15.6428
0.500	1.474490	13.80	18.00	0.20	15.7761
0.750	1.711735	13.00	17.10	0.20	15.6024
1.000	1.948980	13.00	17.00	0.20	15.1349
1.500	2.423469	12.00	15.40	0.10	14.0772
2.000	2.897959	11.70	14.30	0.10	13.0540
2.500	3.372449	11.00	13.00	0.10	12.1755
3.000	3.846939	10.00	12.00	0.07	11.3963
4.000	4.795918	9.20	10.60	0.05	10.2013
5.000	5.744898	8.40	10.00	0.07	9.2772
6.000	6.693878	7.70	9.20	0.07	8.5460
7.000	7.642857	7.30	8.00	0.02	7.9526
7.500	8.117347	7.00	8.50	0.07	7.6921
8.000	8.591837	6.80	7.50	0.02	7.4394
9.000	9.540816	6.40	7.10	0.02	6.9951
10.000	10.489796	6.00	6.80	0.02	6.6136
15.000	15.234694	4.60	5.60	0.05	5.1079
19.600	19.600000	3.70	4.20	0.02	4.1106

**B.2.1.2.2 1" Water Reflection**

Case ID: Pu-sp-0850-01

Material: PU (Elemental)

Geometry: Sphere

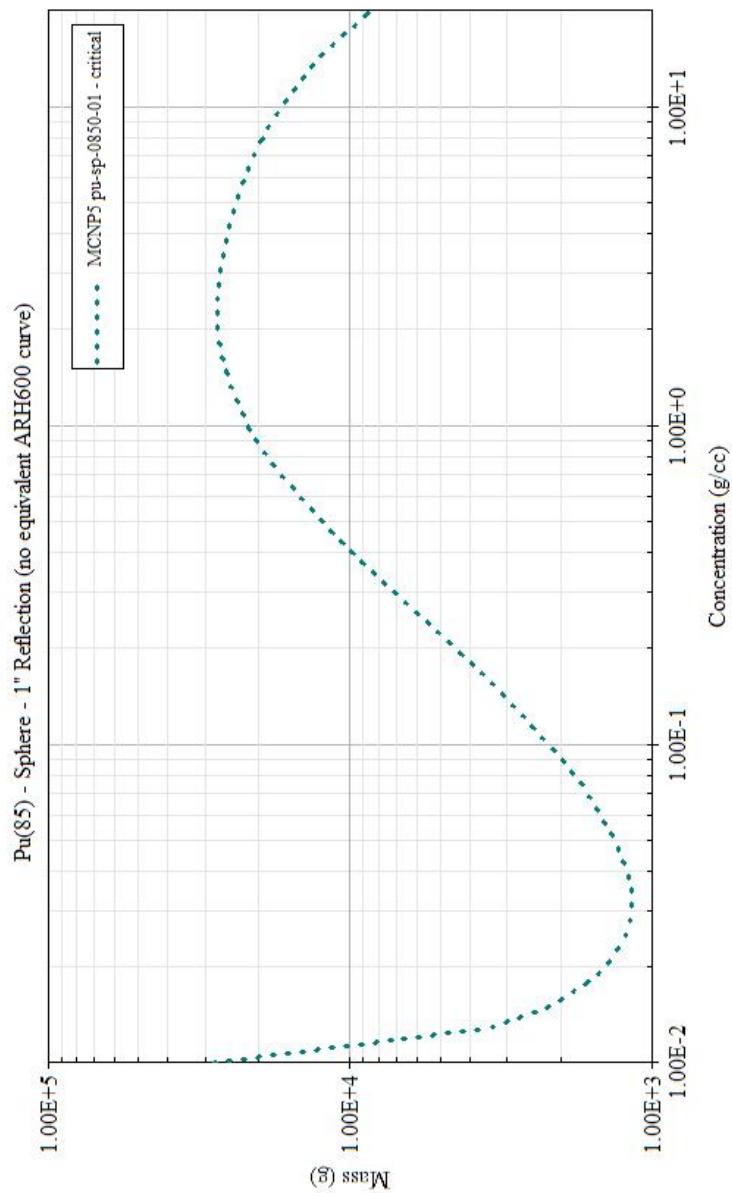
Isotopes: 85%  $^{239}\text{Pu}$

Reflector: 1" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.2.2-1 Pu Sphere - 85% 239Pu – 1" Water Reflection**

**Table B. 2.1.2.2-1 Critical Dimensions for Pu Sphere - 85% 239Pu – 1” Water Reflection**

85% Pu239 Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	30.00	110.00	2.50	68.7687
0.013	1.012337	23.00	33.00	0.50	31.1217
0.015	1.014235	20.00	27.00	0.25	25.7208
0.018	1.017082	18.00	23.00	0.25	21.8060
0.020	1.018980	17.00	21.00	0.20	20.1763
0.022	1.020878	16.00	21.00	0.25	19.0799
0.024	1.022776	15.00	20.00	0.25	18.2170
0.025	1.023724	15.00	19.00	0.20	17.8346
0.026	1.024673	15.00	19.00	0.20	17.5327
0.028	1.026571	14.00	19.00	0.20	16.9587
0.030	1.028469	14.00	18.00	0.20	16.5263
0.032	1.030367	14.00	18.00	0.20	16.1975
0.036	1.034163	13.70	17.10	0.20	15.5830
0.040	1.037959	13.00	17.00	0.20	15.1462
0.045	1.042704	12.00	17.00	0.20	14.8197
0.050	1.047449	12.00	16.10	0.20	14.4742
0.075	1.071173	12.00	15.20	0.20	13.7802
0.100	1.094898	12.00	15.00	0.20	13.5907
0.150	1.142347	11.90	15.00	0.20	13.5692
0.200	1.189796	12.00	15.00	0.10	13.7023
0.350	1.332143	12.00	16.00	0.20	14.0620
0.500	1.474490	12.00	16.00	0.20	14.1618
0.750	1.711735	12.00	15.20	0.20	14.0197
1.000	1.948980	11.70	15.00	0.20	13.6126
1.500	2.423469	11.00	14.00	0.10	12.6022
2.000	2.897959	10.40	12.00	0.07	11.6719
2.500	3.372449	9.50	11.00	0.07	10.8471
3.000	3.846939	8.90	11.00	0.10	10.1539
4.000	4.795918	8.00	10.00	0.10	9.0492
5.000	5.744898	7.40	8.30	0.05	8.2027
6.000	6.693878	6.80	8.00	0.05	7.5455
7.000	7.642857	6.30	7.40	0.05	7.0131
7.500	8.117347	6.00	7.20	0.05	6.7768
8.000	8.591837	6.00	7.00	0.05	6.5661
9.000	9.540816	5.60	7.00	0.07	6.1749
10.000	10.489796	5.20	6.40	0.05	5.8267
15.000	15.234694	4.10	4.60	0.02	4.5434
19.600	19.600000	3.30	3.80	0.02	3.7148

**B.2.1.2.3      10" Water Reflection**

Case ID: Pu-sp-0850-10

Material: PU (Elemental)

Geometry: Sphere

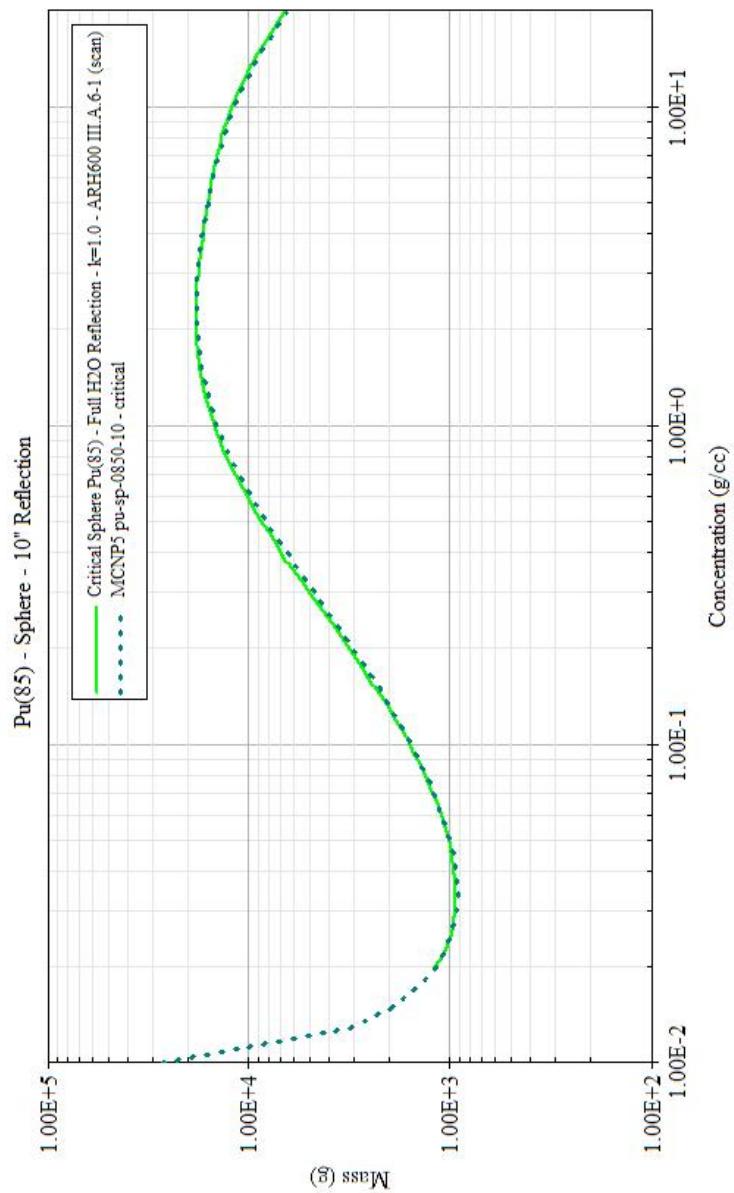
Isotopes: 85%  $^{239}\text{Pu}$

Reflector: 10" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.2.3-1 Pu Sphere - 85%  $^{239}\text{Pu}$  – 10" Water Reflection**

**Table B. 2.1.2.3-1 Critical Dimensions for Pu Sphere - 85% 239Pu – 10” Water Reflection**

85% Pu239 Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	30.00	110.00	2.50	67.7727
0.013	1.012337	23.00	31.00	0.25	30.0721
0.015	1.014235	20.00	27.00	0.25	24.5904
0.018	1.017082	17.00	22.00	0.25	20.6186
0.020	1.018980	16.00	20.00	0.20	19.0261
0.022	1.020878	15.00	20.00	0.25	17.8861
0.024	1.022776	14.00	19.00	0.20	17.0295
0.025	1.023724	14.00	18.10	0.20	16.6671
0.026	1.024673	14.00	18.00	0.20	16.3537
0.028	1.026571	13.00	18.00	0.20	15.7893
0.030	1.028469	13.00	17.00	0.20	15.3157
0.032	1.030367	13.00	17.00	0.20	14.9354
0.036	1.034163	12.00	16.00	0.20	14.3822
0.040	1.037959	12.00	15.00	0.20	13.9104
0.045	1.042704	12.00	14.50	0.10	13.5027
0.050	1.047449	11.00	15.00	0.20	13.1854
0.075	1.071173	11.00	13.10	0.10	12.4000
0.100	1.094898	10.70	13.00	0.10	12.1299
0.150	1.142347	10.50	13.00	0.10	12.0135
0.200	1.189796	10.60	13.00	0.10	12.0597
0.350	1.332143	10.60	13.00	0.10	12.2522
0.500	1.474490	10.00	13.40	0.10	12.3693
0.750	1.711735	10.00	13.10	0.10	12.2019
1.000	1.948980	10.00	12.40	0.10	11.8539
1.500	2.423469	9.50	11.10	0.07	10.9603
2.000	2.897959	8.70	11.00	0.10	10.1535
2.500	3.372449	8.00	10.40	0.10	9.4553
3.000	3.846939	7.70	9.00	0.05	8.8370
4.000	4.795918	6.90	8.30	0.05	7.8951
5.000	5.744898	6.40	8.00	0.07	7.1921
6.000	6.693878	5.90	7.40	0.07	6.6305
7.000	7.642857	5.50	7.00	0.07	6.1780
7.500	8.117347	5.20	6.10	0.02	5.9741
8.000	8.591837	5.20	6.00	0.02	5.7905
9.000	9.540816	4.90	5.50	0.02	5.4519
10.000	10.489796	4.60	5.30	0.02	5.1663
15.000	15.234694	3.70	4.10	0.02	4.0714
19.600	19.600000	3.00	3.50	0.02	3.3822

**B.2.1.3        80%  $^{239}\text{Pu}$**

**B.2.1.3.1      0" Water Reflection**

Case ID: Pu-sp-0800-00

Material: PU (Elemental)

Geometry: Sphere

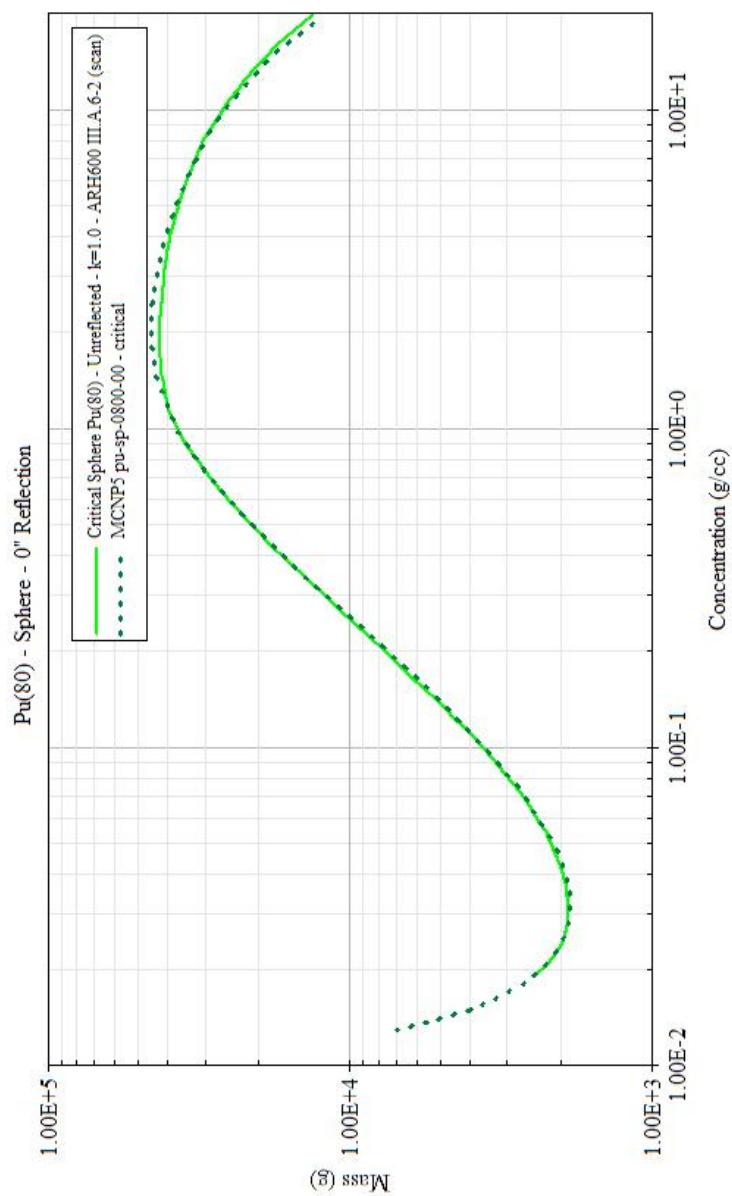
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 0" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.3.1-1 Pu Sphere - 80% 239Pu – 0" Water Reflection**

**Table B. 2.1.3.1-1 Critical Dimensions for Pu Sphere - 80% 239Pu – 0” Water Reflection**

80% Pu239 Pu Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.013	1.012337	30.00	40.00	0.50	39.6399
0.015	1.014235	25.00	32.00	0.25	31.2611
0.018	1.017082	20.00	28.00	0.25	25.8461
0.020	1.018980	20.00	25.00	0.25	23.8229
0.022	1.020878	19.00	23.00	0.20	22.3724
0.024	1.022776	18.00	22.00	0.20	21.3227
0.025	1.023724	18.00	21.20	0.20	20.9080
0.026	1.024673	17.80	21.00	0.20	20.4680
0.028	1.026571	17.00	21.00	0.20	19.8558
0.030	1.028469	16.90	21.00	0.20	19.3441
0.032	1.030367	16.00	20.00	0.20	18.9226
0.036	1.034163	16.00	20.00	0.20	18.2252
0.040	1.037959	15.00	19.00	0.20	17.7077
0.045	1.042704	15.00	19.00	0.20	17.3029
0.050	1.047449	15.00	19.00	0.20	16.9260
0.075	1.071173	14.00	18.00	0.20	16.1904
0.100	1.094898	14.00	17.30	0.20	15.9930
0.150	1.142347	14.00	18.00	0.20	16.0459
0.200	1.189796	14.00	18.00	0.20	16.2460
0.350	1.332143	14.00	18.20	0.20	16.7620
0.500	1.474490	14.80	19.00	0.20	16.9726
0.750	1.711735	14.00	18.10	0.20	16.7642
1.000	1.948980	14.00	18.00	0.20	16.2815
1.500	2.423469	13.00	17.00	0.20	15.0402
2.000	2.897959	12.00	15.10	0.10	13.8442
2.500	3.372449	11.00	14.00	0.10	12.7892
3.000	3.846939	10.70	12.60	0.07	11.9205
4.000	4.795918	9.50	11.00	0.07	10.5583
5.000	5.744898	8.60	10.00	0.05	9.5457
6.000	6.693878	7.90	9.50	0.07	8.7637
7.000	7.642857	7.40	9.00	0.07	8.1269
7.500	8.117347	7.10	8.00	0.05	7.8425
8.000	8.591837	6.80	7.60	0.02	7.5937
9.000	9.540816	6.50	7.20	0.02	7.1359
10.000	10.489796	6.10	7.00	0.05	6.7307
15.000	15.234694	4.70	5.70	0.05	5.1859
19.600	19.600000	3.70	4.30	0.02	4.1685

**B.2.1.3.2 1" Water Reflection**

Case ID: Pu-sp-0800-01

Material: PU (Elemental)

Geometry: Sphere

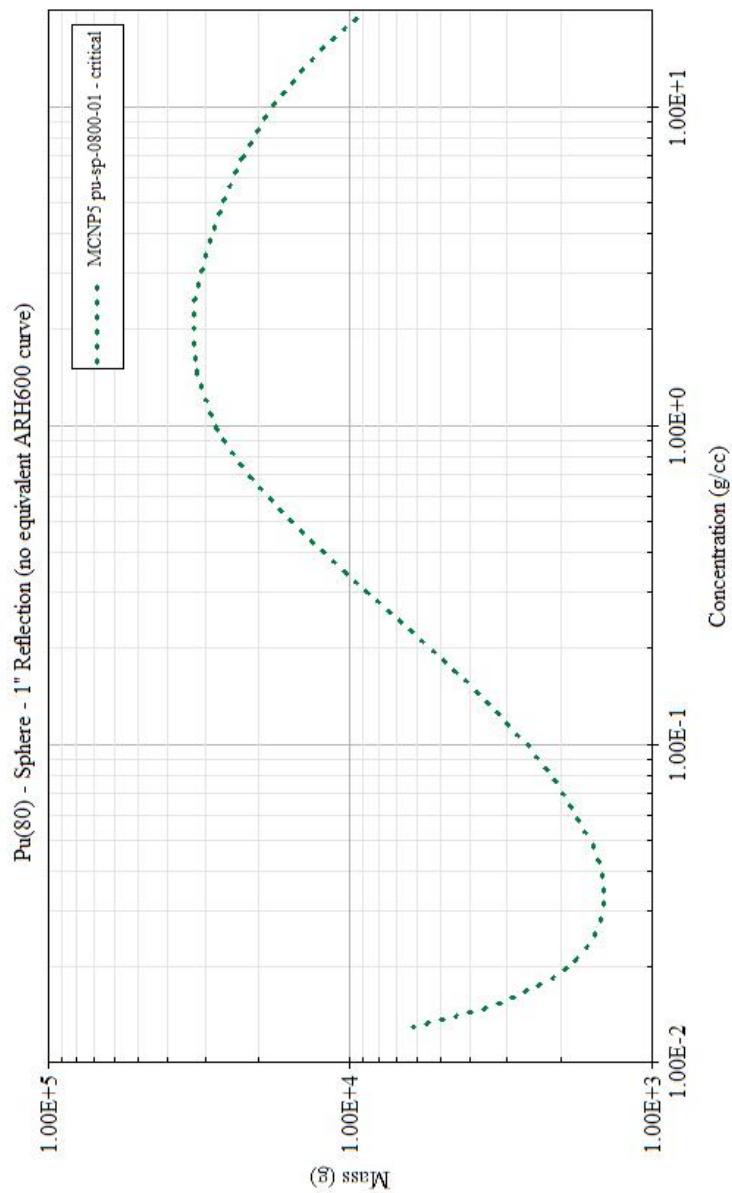
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 1" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.3.2-1 Pu Sphere - 80% 239Pu – 1" Water Reflection**

**Table B. 2.1.3.2-1 Critical Dimensions for Pu Sphere - 80% 239Pu – 1” Water Reflection**

80% Pu239 Pu Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.013	1.012337	28.00	40.00	0.50	38.1794
0.015	1.014235	23.00	31.00	0.25	29.6632
0.018	1.017082	20.00	26.00	0.25	24.2414
0.020	1.018980	19.00	23.00	0.20	22.2432
0.022	1.020878	17.00	22.00	0.20	20.8162
0.024	1.022776	16.00	21.00	0.20	19.7678
0.025	1.023724	16.00	21.00	0.25	19.3157
0.026	1.024673	16.00	20.00	0.20	18.9547
0.028	1.026571	15.00	20.00	0.20	18.3120
0.030	1.028469	15.00	19.10	0.20	17.7806
0.032	1.030367	15.00	19.00	0.20	17.3446
0.036	1.034163	14.00	18.10	0.20	16.6659
0.040	1.037959	14.00	18.00	0.20	16.1653
0.045	1.042704	13.80	17.20	0.20	15.7491
0.050	1.047449	13.00	17.00	0.20	15.3960
0.075	1.071173	13.00	16.20	0.20	14.6119
0.100	1.094898	12.00	16.00	0.20	14.3945
0.150	1.142347	12.70	16.00	0.20	14.4203
0.200	1.189796	12.80	16.00	0.20	14.6131
0.350	1.332143	13.00	17.00	0.20	15.1103
0.500	1.474490	13.00	17.00	0.20	15.3132
0.750	1.711735	13.00	17.00	0.20	15.1953
1.000	1.948980	12.00	16.10	0.20	14.7709
1.500	2.423469	11.70	15.00	0.20	13.5517
2.000	2.897959	10.90	13.40	0.10	12.4294
2.500	3.372449	10.00	12.00	0.10	11.4717
3.000	3.846939	9.50	11.00	0.07	10.6445
4.000	4.795918	8.40	10.20	0.07	9.3922
5.000	5.744898	7.60	9.50	0.07	8.4969
6.000	6.693878	7.00	8.00	0.05	7.7696
7.000	7.642857	6.50	7.60	0.05	7.1960
7.500	8.117347	6.00	7.40	0.05	6.9488
8.000	8.591837	6.00	7.20	0.05	6.7145
9.000	9.540816	5.70	7.00	0.05	6.3085
10.000	10.489796	5.40	6.60	0.05	5.9510
15.000	15.234694	4.10	4.70	0.02	4.6213
19.600	19.600000	3.40	3.90	0.02	3.7762

**B.2.1.3.3      10" Water Reflection**

Case ID: Pu-sp-0800-10

Material: PU (Elemental)

Geometry: Sphere

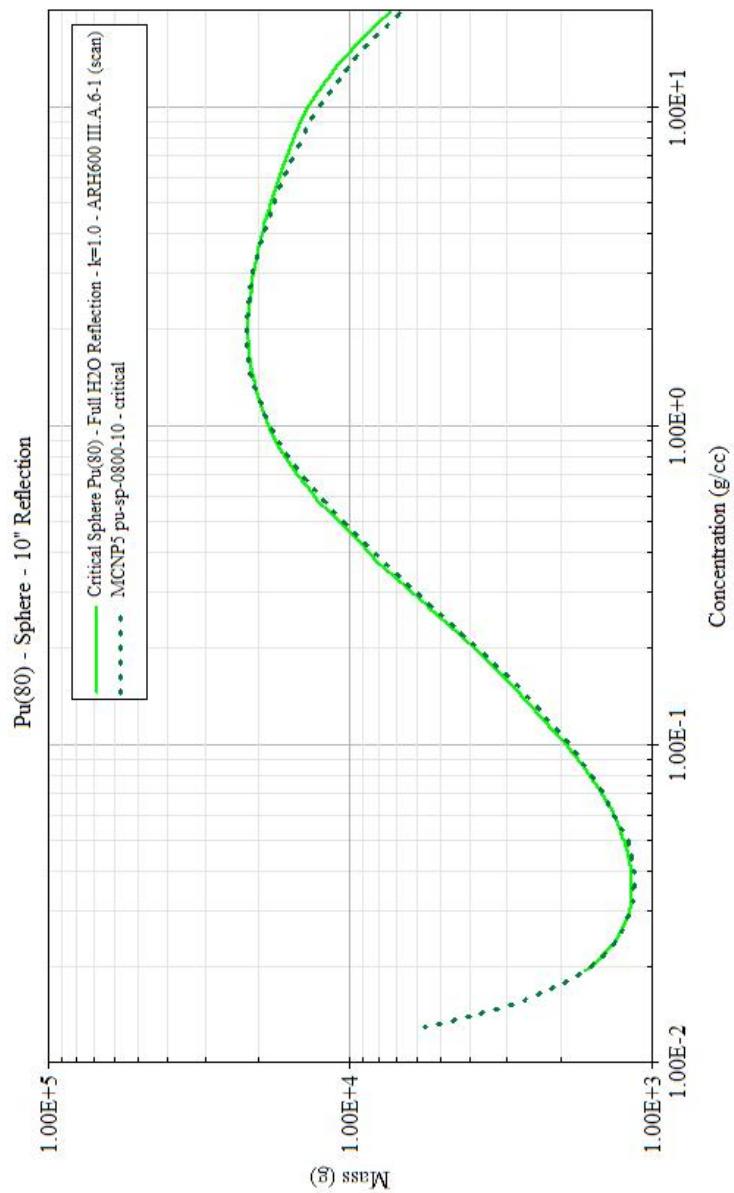
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 10" Water Reflector

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.1.3.3-1 Pu Sphere - 80%  $^{239}\text{Pu}$  – 10" Water Reflection**

**Table B. 2.1.3.3-1 Critical Dimensions for Pu Sphere - 80% 239Pu – 10” Water Reflection**

80% Pu239 Pu Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.013	1.012337	27.00	38.00	0.50	36.9231
0.015	1.014235	22.00	30.00	0.25	28.6372
0.018	1.017082	19.00	25.00	0.25	23.1022
0.020	1.018980	17.00	22.00	0.25	21.0490
0.022	1.020878	16.00	21.00	0.25	19.6436
0.024	1.022776	15.00	20.00	0.20	18.5664
0.025	1.023724	15.00	20.00	0.25	18.1880
0.026	1.024673	15.00	19.00	0.20	17.7477
0.028	1.026571	14.00	19.00	0.25	17.0781
0.030	1.028469	14.00	18.00	0.20	16.5888
0.032	1.030367	13.90	18.00	0.20	16.1202
0.036	1.034163	13.00	17.10	0.20	15.4286
0.040	1.037959	12.90	17.00	0.20	14.9053
0.045	1.042704	12.00	16.00	0.20	14.4327
0.050	1.047449	12.00	16.00	0.20	14.0615
0.075	1.071173	11.80	14.30	0.10	13.2010
0.100	1.094898	11.00	14.00	0.10	12.9216
0.150	1.142347	11.00	14.00	0.20	12.8143
0.200	1.189796	11.00	14.00	0.20	12.9357
0.350	1.332143	11.00	15.00	0.20	13.3160
0.500	1.474490	11.00	15.00	0.20	13.4525
0.750	1.711735	11.00	15.00	0.20	13.2972
1.000	1.948980	11.00	14.10	0.20	12.8856
1.500	2.423469	10.00	13.00	0.20	11.8577
2.000	2.897959	9.30	11.10	0.07	10.8530
2.500	3.372449	8.80	11.00	0.10	10.0094
3.000	3.846939	8.00	10.20	0.10	9.3303
4.000	4.795918	7.00	8.50	0.05	8.2427
5.000	5.744898	6.60	8.00	0.07	7.4498
6.000	6.693878	6.00	7.50	0.07	6.8397
7.000	7.642857	5.60	7.10	0.07	6.3451
7.500	8.117347	5.50	6.20	0.02	6.1335
8.000	8.591837	5.30	6.00	0.02	5.9377
9.000	9.540816	5.00	5.70	0.02	5.5925
10.000	10.489796	4.70	5.40	0.02	5.2859
15.000	15.234694	3.70	4.20	0.02	4.1540
19.600	19.600000	3.10	3.50	0.02	3.4383

## B.2.2 Cylinder

**B.2.2.1 90%  $^{239}\text{Pu}$**

**B.2.2.1.1 0" Water Reflection**

Case ID: Pu-icyl-0900-00

Material: PU (Elemental)

Geometry: Cylinder

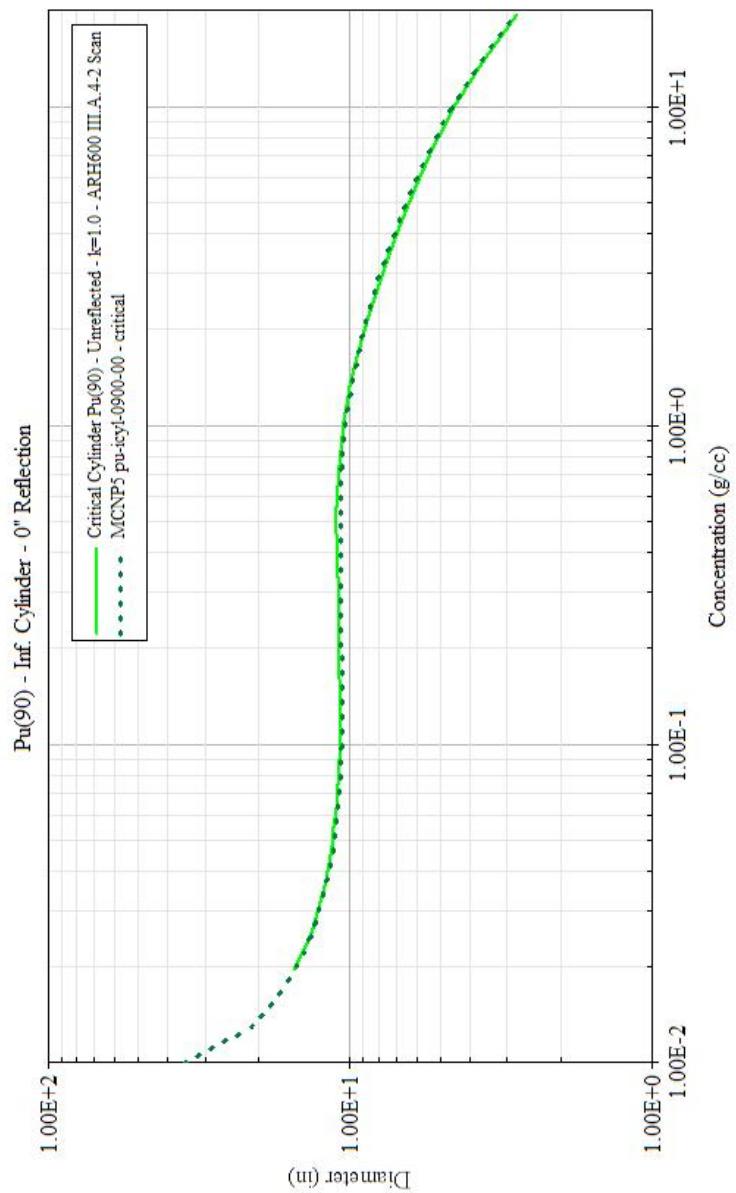
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.1.1-1 Pu Cylinder - 90%  $^{239}\text{Pu}$  – 0" Water Reflection**

**Table B. 2.2.1.1-1 Critical Dimensions for Pu Cylinder - 90% 239Pu – 0” Water Reflection**

90% Pu239 Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	20.00	50.00	1.00	35.2024
0.013	1.012337	17.00	23.00	0.25	21.2299
0.015	1.014235	15.00	21.00	0.25	18.2806
0.018	1.017082	13.00	18.00	0.20	15.9220
0.020	1.018980	12.90	17.00	0.20	14.9468
0.022	1.020878	12.00	16.00	0.20	14.1834
0.024	1.022776	12.00	16.00	0.20	13.6572
0.025	1.023724	11.00	16.00	0.20	13.4324
0.026	1.024673	11.70	13.30	0.05	13.2113
0.028	1.026571	11.40	13.10	0.05	12.8674
0.030	1.028469	11.00	13.00	0.10	12.5908
0.032	1.030367	11.00	12.50	0.05	12.3269
0.036	1.034163	10.80	12.20	0.05	11.9487
0.040	1.037959	10.40	12.00	0.05	11.6733
0.045	1.042704	10.00	11.50	0.05	11.3668
0.050	1.047449	10.00	11.40	0.05	11.2017
0.075	1.071173	9.60	11.00	0.05	10.7135
0.100	1.094898	9.40	11.00	0.05	10.5621
0.150	1.142347	9.50	10.70	0.05	10.5368
0.200	1.189796	9.50	10.70	0.05	10.5865
0.350	1.332143	9.60	11.00	0.05	10.7458
0.500	1.474490	9.60	11.00	0.05	10.7490
0.750	1.711735	9.40	11.00	0.05	10.5802
1.000	1.948980	9.00	11.00	0.10	10.3071
1.500	2.423469	8.50	10.00	0.05	9.6109
2.000	2.897959	8.00	9.10	0.05	8.9632
2.500	3.372449	7.50	8.50	0.05	8.3991
3.000	3.846939	7.00	8.00	0.05	7.9023
4.000	4.795918	6.40	7.20	0.02	7.0875
5.000	5.744898	5.90	6.60	0.02	6.4692
6.000	6.693878	5.40	6.10	0.02	5.9641
7.000	7.642857	5.00	5.70	0.02	5.5400
7.500	8.117347	4.80	5.50	0.02	5.3569
8.000	8.591837	4.70	5.30	0.02	5.1844
9.000	9.540816	4.40	5.00	0.02	4.8661
10.000	10.489796	4.10	4.70	0.02	4.5846
15.000	15.234694	3.10	3.60	0.02	3.4912
19.600	19.600000	2.50	2.90	0.02	2.7786

**B.2.2.1.2 1" Water Reflection**

Case ID: Pu-icyl-0900-01

Material: PU (Elemental)

Geometry: Cylinder

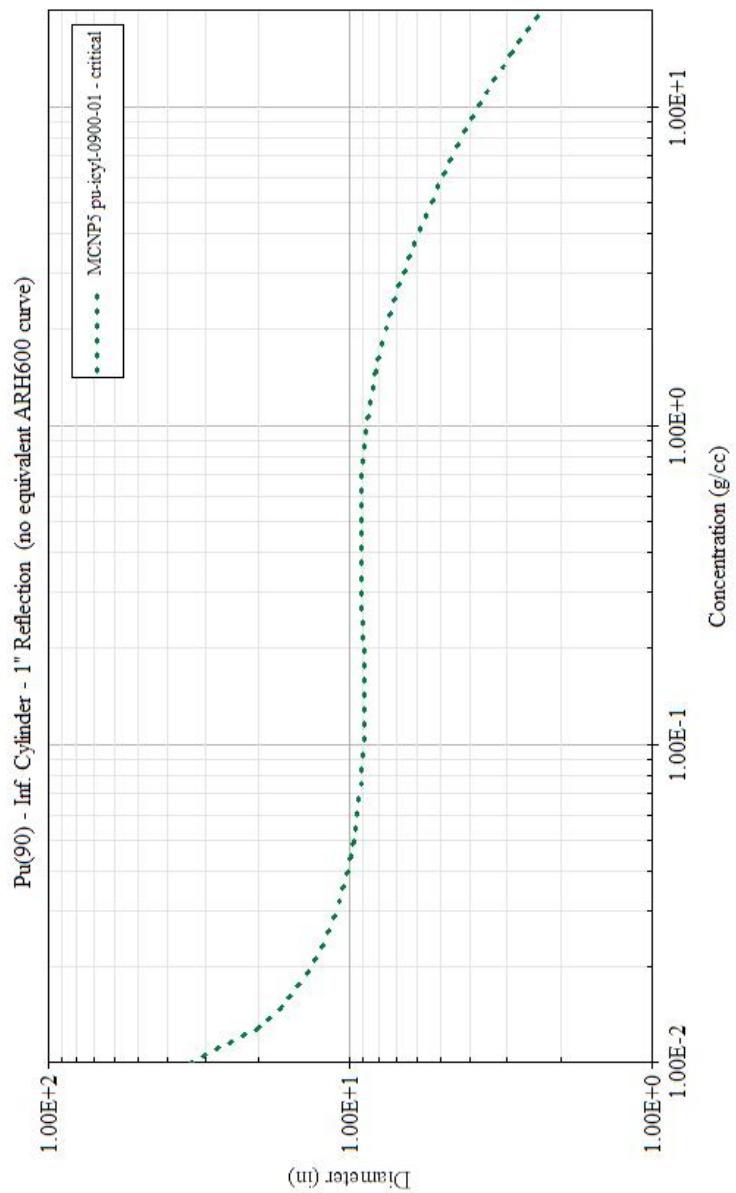
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.1.2-1 Pu Cylinder - 90%  $^{239}\text{Pu}$  – 1" Water Reflection**

**Table B. 2.2.1.2-1 Critical Dimensions for Pu Cylinder - 90% 239Pu – 1” Water Reflection**

90% Pu239 Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	23.00	35.00	0.50	33.6766
0.013	1.012337	15.00	22.00	0.25	19.7571
0.015	1.014235	13.00	20.00	0.25	16.7387
0.018	1.017082	12.00	16.00	0.20	14.3984
0.020	1.018980	11.00	16.00	0.25	13.4090
0.022	1.020878	11.00	15.00	0.20	12.6852
0.024	1.022776	10.00	14.00	0.20	12.1362
0.025	1.023724	10.00	14.00	0.20	11.9087
0.026	1.024673	10.00	14.00	0.20	11.6897
0.028	1.026571	9.90	11.50	0.05	11.3349
0.030	1.028469	9.60	13.00	0.20	11.0619
0.032	1.030367	9.00	13.00	0.20	10.7949
0.036	1.034163	9.00	11.00	0.10	10.4187
0.040	1.037959	8.90	12.00	0.20	10.1135
0.045	1.042704	8.70	10.00	0.05	9.8431
0.050	1.047449	8.50	10.00	0.05	9.6571
0.075	1.071173	8.00	9.30	0.05	9.1480
0.100	1.094898	7.90	9.10	0.05	8.9823
0.150	1.142347	7.90	9.00	0.05	8.9348
0.200	1.189796	7.90	9.20	0.05	8.9820
0.350	1.332143	8.00	9.30	0.05	9.1283
0.500	1.474490	8.00	11.00	0.10	9.1472
0.750	1.711735	7.90	9.20	0.05	9.0210
1.000	1.948980	7.60	9.00	0.05	8.7578
1.500	2.423469	7.00	8.30	0.05	8.1581
2.000	2.897959	6.60	7.70	0.05	7.5688
2.500	3.372449	6.00	7.20	0.05	7.0661
3.000	3.846939	5.80	6.70	0.05	6.6153
4.000	4.795918	5.20	6.00	0.02	5.9063
5.000	5.744898	4.80	5.50	0.02	5.3533
6.000	6.693878	4.30	5.00	0.02	4.9203
7.000	7.642857	4.00	4.70	0.02	4.5580
7.500	8.117347	3.90	4.50	0.02	4.4025
8.000	8.591837	3.80	4.40	0.02	4.2501
9.000	9.540816	3.50	4.10	0.02	3.9860
10.000	10.489796	3.30	3.80	0.02	3.7537
15.000	15.234694	2.55	2.90	0.02	2.8764
19.600	19.600000	2.10	2.40	0.02	2.3307

**B.2.2.1.3      10" Water Reflection**

Case ID: Pu-icyl-0900-10

Material: PU (Elemental)

Geometry: Cylinder

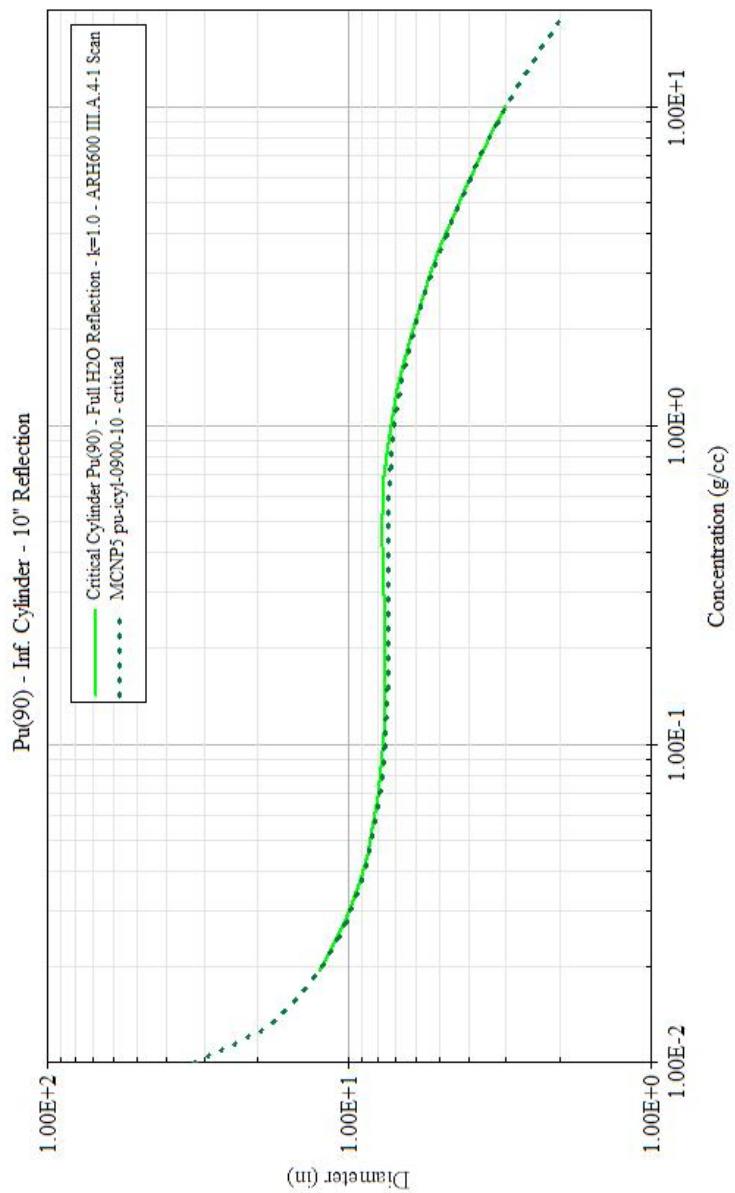
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.1.3-1 Pu Cylinder - 90% 239Pu – 10” Water Reflection**

**Table B. 2.2.1.3-1 Critical Dimensions for Pu Cylinder - 90%  $^{239}\text{Pu}$  – 10” Water Reflection**

90% Pu239 Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	20.00	35.00	0.50	32.5996
0.013	1.012337	14.00	20.00	0.25	18.6061
0.015	1.014235	12.00	17.00	0.20	15.6334
0.018	1.017082	11.00	16.00	0.25	13.2648
0.020	1.018980	10.00	15.00	0.25	12.2315
0.022	1.020878	9.00	14.00	0.20	11.5213
0.024	1.022776	9.00	13.00	0.20	10.9450
0.025	1.023724	9.00	13.00	0.20	10.7311
0.026	1.024673	9.20	10.70	0.05	10.5103
0.028	1.026571	8.70	10.30	0.05	10.1340
0.030	1.028469	8.40	10.00	0.05	9.8521
0.032	1.030367	8.30	9.70	0.05	9.5818
0.036	1.034163	7.90	9.30	0.05	9.1772
0.040	1.037959	7.70	9.00	0.05	8.8779
0.045	1.042704	7.40	8.70	0.05	8.5708
0.050	1.047449	7.30	8.50	0.05	8.3451
0.075	1.071173	6.70	8.00	0.05	7.7703
0.100	1.094898	6.50	7.70	0.05	7.5547
0.150	1.142347	6.40	7.50	0.05	7.4061
0.200	1.189796	6.30	7.60	0.05	7.3795
0.350	1.332143	6.30	7.50	0.05	7.4168
0.500	1.474490	6.30	7.60	0.05	7.4002
0.750	1.711735	6.00	7.40	0.05	7.2555
1.000	1.948980	5.90	7.20	0.05	7.0389
1.500	2.423469	5.50	6.70	0.05	6.5407
2.000	2.897959	5.00	6.20	0.05	6.0627
2.500	3.372449	4.80	5.70	0.05	5.6394
3.000	3.846939	4.60	5.40	0.05	5.2877
4.000	4.795918	4.00	5.00	0.02	4.7160
5.000	5.744898	3.70	4.40	0.02	4.2864
6.000	6.693878	3.40	4.00	0.02	3.9359
7.000	7.642857	3.20	3.70	0.02	3.6489
7.500	8.117347	3.00	3.60	0.02	3.5213
8.000	8.591837	3.00	3.50	0.02	3.4121
9.000	9.540816	2.80	3.30	0.02	3.1988
10.000	10.489796	2.60	3.10	0.02	3.0123
15.000	15.234694	2.00	2.40	0.02	2.3350
19.600	19.600000	1.70	2.00	0.02	1.9231

**B.2.2.2      85%  $^{239}\text{Pu}$**

**B.2.2.2.1      0" Water Reflection**

Case ID: Pu-icyl-0850-00

Material: PU (Elemental)

Geometry: Cylinder

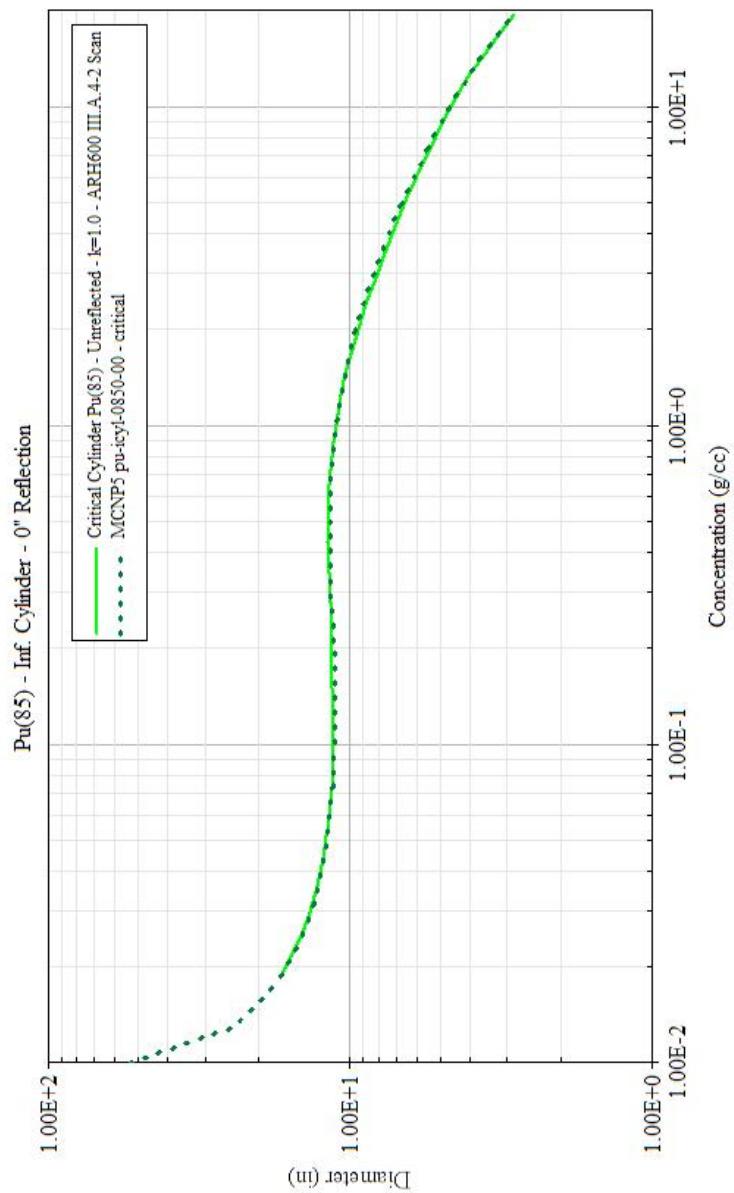
Isotopics: 85%  $^{239}\text{Pu}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.2.1-1 Pu Cylinder - 85% 239Pu – 0" Water Reflection**

**Table B. 2.2.2.1-1 Critical Dimensions for Pu Cylinder - 85% 239Pu – 0” Water Reflection**

85% Pu239 Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	30.00	55.00	0.50	53.3864
0.013	1.012337	19.00	26.00	0.25	24.5023
0.015	1.014235	16.00	23.00	0.25	20.4294
0.018	1.017082	14.00	20.00	0.25	17.3775
0.020	1.018980	13.00	20.00	0.25	16.1986
0.022	1.020878	13.00	18.00	0.25	15.2976
0.024	1.022776	12.00	17.00	0.20	14.6202
0.025	1.023724	12.00	17.00	0.25	14.3754
0.026	1.024673	12.00	16.00	0.20	14.1440
0.028	1.026571	12.00	16.00	0.20	13.7101
0.030	1.028469	11.00	16.00	0.20	13.3699
0.032	1.030367	11.00	15.00	0.20	13.0901
0.036	1.034163	11.00	13.00	0.10	12.6569
0.040	1.037959	11.00	13.00	0.10	12.3273
0.045	1.042704	10.80	14.00	0.20	12.0389
0.050	1.047449	10.50	12.00	0.05	11.8124
0.075	1.071173	10.00	11.50	0.05	11.3029
0.100	1.094898	10.00	11.30	0.05	11.1466
0.150	1.142347	10.00	11.50	0.05	11.1446
0.200	1.189796	10.00	11.40	0.05	11.2452
0.350	1.332143	10.00	12.00	0.10	11.5135
0.500	1.474490	10.00	12.00	0.10	11.5821
0.750	1.711735	10.00	13.00	0.10	11.4375
1.000	1.948980	9.80	13.00	0.10	11.0933
1.500	2.423469	9.00	12.00	0.10	10.2699
2.000	2.897959	8.40	9.70	0.05	9.5159
2.500	3.372449	7.90	9.00	0.05	8.8470
3.000	3.846939	7.40	8.40	0.05	8.2527
4.000	4.795918	6.60	7.50	0.05	7.3546
5.000	5.744898	6.00	7.00	0.05	6.6660
6.000	6.693878	5.50	6.20	0.02	6.1177
7.000	7.642857	5.10	5.80	0.02	5.6745
7.500	8.117347	4.90	5.60	0.02	5.4772
8.000	8.591837	4.80	5.40	0.02	5.2917
9.000	9.540816	4.50	5.10	0.02	4.9576
10.000	10.489796	4.20	4.80	0.02	4.6727
15.000	15.234694	3.20	3.60	0.02	3.5506
19.600	19.600000	2.50	2.90	0.02	2.8229

**B.2.2.2.2 1" Water Reflection**

Case ID: Pu-icyl-0850-01

Material: PU (Elemental)

Geometry: Cylinder

Isotopes: 85%  $^{239}\text{Pu}$

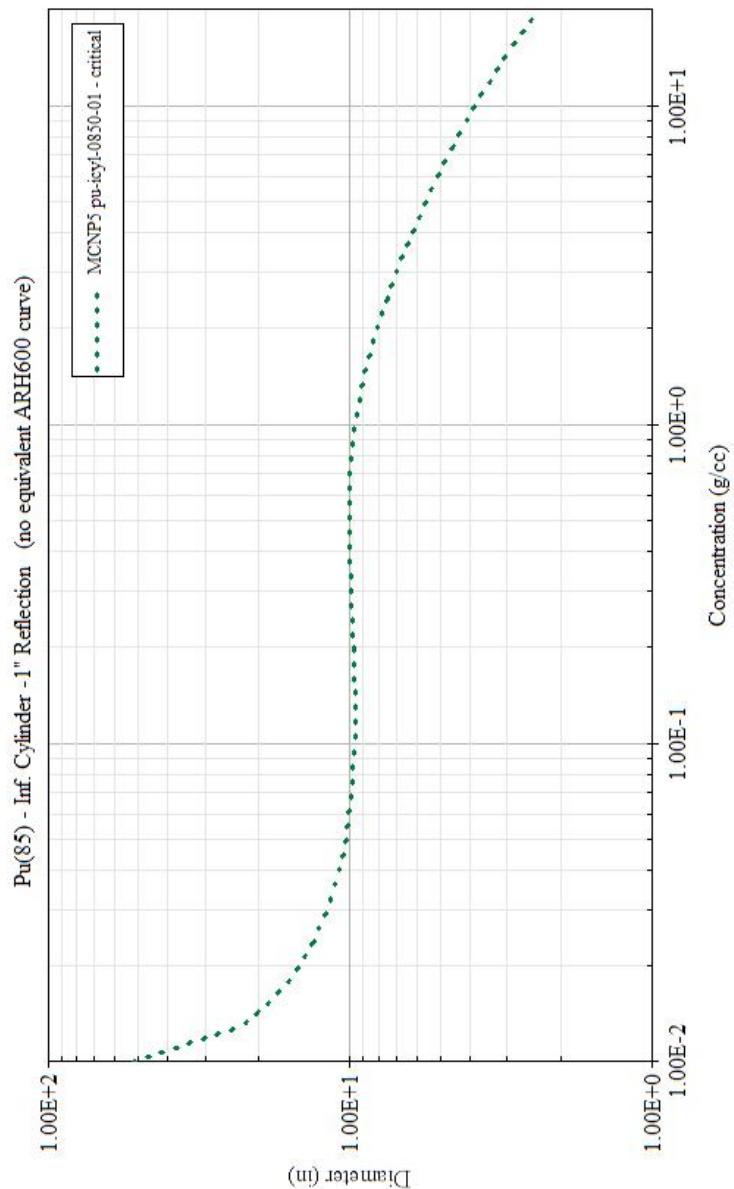
Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.2.2-1 Pu Cylinder - 85% 239Pu – 1" Water Reflection**



**Table B. 2.2.2.2-1 Critical Dimensions for Pu Cylinder - 85% 239Pu – 1” Water Reflection**

85% Pu239 Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	27.50	55.00	0.50	52.0846
0.013	1.012337	18.00	24.00	0.20	22.9396
0.015	1.014235	15.00	20.00	0.25	18.8884
0.018	1.017082	13.00	18.00	0.25	15.8200
0.020	1.018980	12.00	17.00	0.25	14.6362
0.022	1.020878	11.00	16.00	0.20	13.7717
0.024	1.022776	11.00	15.00	0.20	13.1390
0.025	1.023724	11.00	15.00	0.20	12.8566
0.026	1.024673	10.80	15.00	0.20	12.6108
0.028	1.026571	10.00	14.00	0.20	12.1985
0.030	1.028469	10.00	14.00	0.20	11.8366
0.032	1.030367	10.00	11.70	0.10	11.5653
0.036	1.034163	9.70	11.30	0.05	11.1294
0.040	1.037959	9.00	13.00	0.20	10.8035
0.045	1.042704	9.00	12.00	0.10	10.4919
0.050	1.047449	9.00	12.00	0.20	10.2808
0.075	1.071173	8.50	10.00	0.05	9.7347
0.100	1.094898	8.40	9.70	0.05	9.5523
0.150	1.142347	8.30	9.70	0.05	9.5530
0.200	1.189796	8.40	10.00	0.05	9.6276
0.350	1.332143	8.00	12.00	0.20	9.8819
0.500	1.474490	8.00	12.00	0.20	9.9737
0.750	1.711735	8.00	12.00	0.20	9.8444
1.000	1.948980	8.30	9.70	0.05	9.5605
1.500	2.423469	7.60	9.00	0.05	8.8199
2.000	2.897959	7.00	8.20	0.05	8.1201
2.500	3.372449	6.60	7.60	0.05	7.5102
3.000	3.846939	6.00	7.10	0.05	6.9923
4.000	4.795918	5.40	6.30	0.05	6.1680
5.000	5.744898	4.90	5.70	0.02	5.5611
6.000	6.693878	4.50	5.20	0.02	5.0808
7.000	7.642857	4.20	4.80	0.02	4.6948
7.500	8.117347	4.00	4.60	0.02	4.5237
8.000	8.591837	3.90	4.40	0.02	4.3628
9.000	9.540816	3.60	4.20	0.02	4.0863
10.000	10.489796	3.40	3.90	0.02	3.8447
15.000	15.234694	2.60	3.00	0.02	2.9334
19.600	19.600000	2.10	2.40	0.02	2.3721

**B.2.2.3 10" Water Reflection**

Case ID: Pu-icyl-0850-10

Material: PU (Elemental)

Geometry: Cylinder

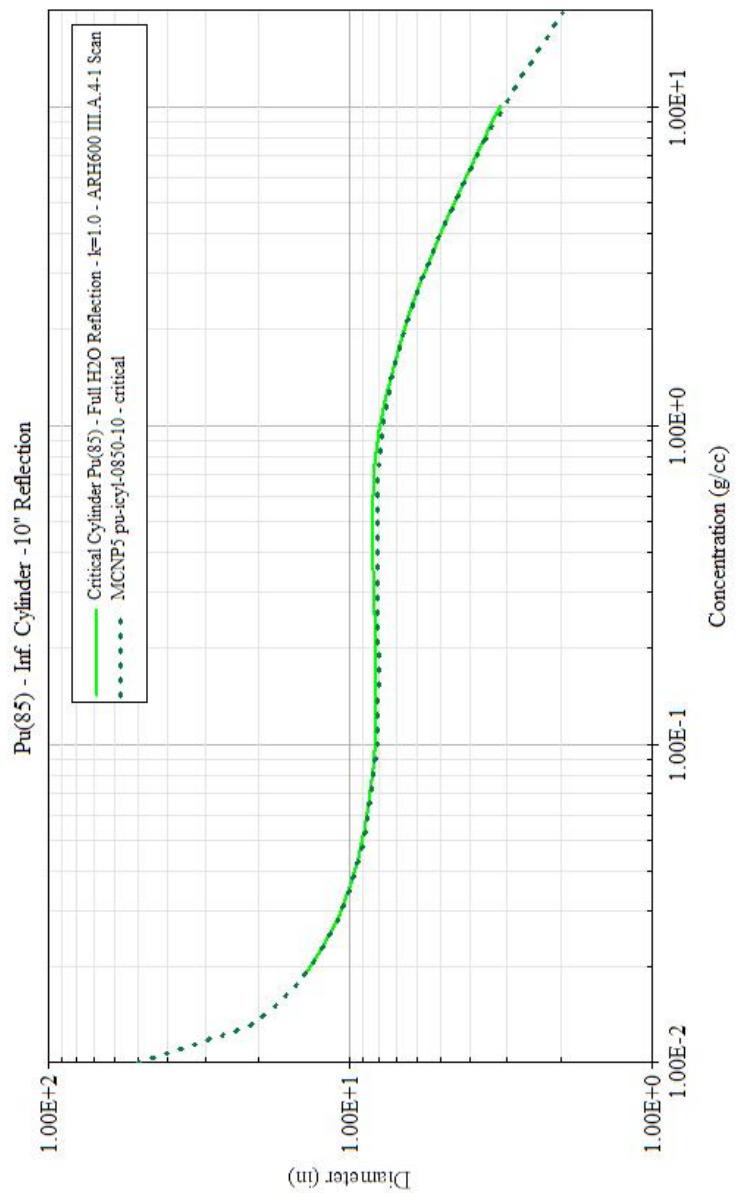
Isotopes: 85%  $^{239}\text{Pu}$

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.2.3-1 Pu Cylinder - 85% 239Pu – 10” Water Reflection**

**Table B. 2.2.2.3-1 Critical Dimensions for Pu Cylinder - 85% 239Pu – 10” Water Reflection**

85% Pu239 Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.010	1.009490	27.00	53.00	1.00	50.3409
0.013	1.012337	16.00	23.00	0.25	21.8098
0.015	1.014235	14.00	20.00	0.25	17.7506
0.018	1.017082	12.00	17.00	0.25	14.6905
0.020	1.018980	11.00	16.00	0.25	13.4918
0.022	1.020878	10.00	15.00	0.20	12.5847
0.024	1.022776	10.00	14.00	0.20	11.9406
0.025	1.023724	9.90	14.00	0.20	11.6445
0.026	1.024673	9.00	14.00	0.20	11.3795
0.028	1.026571	9.00	13.00	0.20	10.9808
0.030	1.028469	9.00	13.00	0.20	10.6273
0.032	1.030367	9.00	10.40	0.05	10.3345
0.036	1.034163	8.00	12.00	0.20	9.8716
0.040	1.037959	8.00	9.70	0.05	9.5210
0.045	1.042704	7.90	9.40	0.05	9.2031
0.050	1.047449	7.70	9.10	0.05	8.9560
0.075	1.071173	7.00	8.50	0.05	8.3283
0.100	1.094898	6.90	8.20	0.05	8.1006
0.150	1.142347	6.80	8.10	0.05	7.9639
0.200	1.189796	6.80	8.10	0.05	7.9656
0.350	1.332143	6.90	8.30	0.05	8.0885
0.500	1.474490	6.80	10.00	0.10	8.1235
0.750	1.711735	6.70	10.00	0.10	7.9798
1.000	1.948980	6.40	8.00	0.05	7.7366
1.500	2.423469	6.00	7.30	0.05	7.1263
2.000	2.897959	5.50	6.70	0.05	6.5363
2.500	3.372449	5.00	6.20	0.05	6.0451
3.000	3.846939	4.80	5.70	0.05	5.6234
4.000	4.795918	4.30	5.10	0.05	4.9656
5.000	5.744898	3.90	4.60	0.02	4.4704
6.000	6.693878	3.60	4.20	0.02	4.0899
7.000	7.642857	3.30	4.00	0.02	3.7836
7.500	8.117347	3.20	3.70	0.02	3.6502
8.000	8.591837	3.00	3.60	0.02	3.5222
9.000	9.540816	2.90	3.40	0.02	3.2933
10.000	10.489796	2.70	3.20	0.02	3.0979
15.000	15.234694	2.10	2.50	0.02	2.3927
19.600	19.600000	1.70	2.00	0.02	1.9627

**B.2.2.3        80%  $^{239}\text{Pu}$**

**B.2.2.3.1      0" Water Reflection**

Case ID: Pu-icyl-0800-00

Material: PU (Elemental)

Geometry: Cylinder

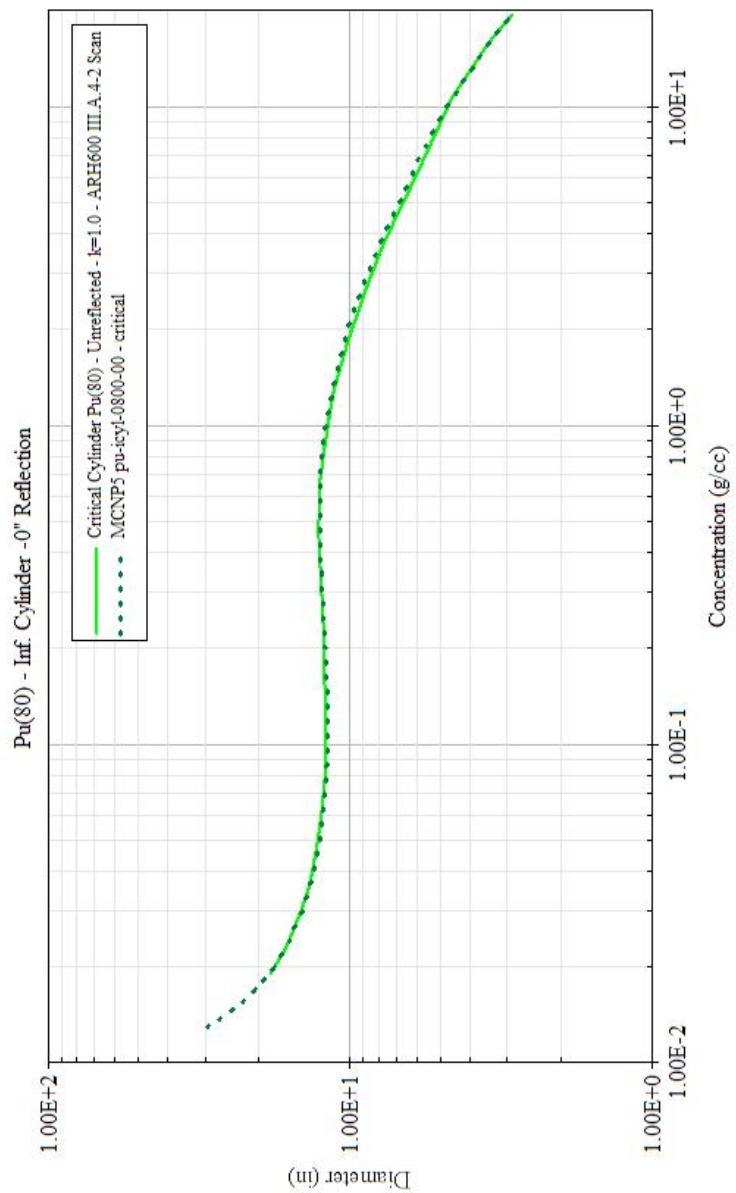
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.3.1-1 Pu Cylinder - 80%  $^{239}\text{Pu}$  – 0" Water Reflection**

**Table B. 2.2.3.1-1 Critical Dimensions for Pu Cylinder - 80% 239Pu – 0” Water Reflection**

80% Pu239 Pu Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.013	1.012337	22.50	30.00	0.25	29.8097
0.015	1.014235	18.00	25.00	0.25	23.4081
0.018	1.017082	15.90	20.00	0.20	19.3077
0.020	1.018980	14.00	20.00	0.25	17.7723
0.022	1.020878	14.00	20.00	0.25	16.6611
0.024	1.022776	13.00	18.00	0.25	15.8544
0.025	1.023724	13.00	18.00	0.25	15.4991
0.026	1.024673	13.00	18.00	0.25	15.2296
0.028	1.026571	12.00	17.00	0.20	14.7319
0.030	1.028469	12.00	17.00	0.25	14.3387
0.032	1.030367	12.00	16.00	0.20	14.0074
0.036	1.034163	11.00	16.00	0.20	13.4970
0.040	1.037959	11.00	15.00	0.20	13.1051
0.045	1.042704	11.00	15.00	0.20	12.7757
0.050	1.047449	11.00	13.50	0.10	12.5219
0.075	1.071173	10.00	14.00	0.20	11.9090
0.100	1.094898	10.40	12.50	0.10	11.7572
0.150	1.142347	10.00	14.00	0.20	11.8064
0.200	1.189796	10.00	14.00	0.20	11.9363
0.350	1.332143	10.80	14.00	0.20	12.3359
0.500	1.474490	10.90	15.00	0.20	12.4900
0.750	1.711735	10.70	14.00	0.20	12.3331
1.000	1.948980	10.00	14.00	0.20	11.9902
1.500	2.423469	9.00	13.00	0.20	10.9920
2.000	2.897959	8.90	10.30	0.05	10.1007
2.500	3.372449	8.20	9.40	0.05	9.3118
3.000	3.846939	7.70	9.00	0.05	8.6526
4.000	4.795918	6.80	7.80	0.05	7.6187
5.000	5.744898	6.20	7.00	0.05	6.8678
6.000	6.693878	5.60	6.40	0.02	6.2788
7.000	7.642857	5.20	6.00	0.02	5.8076
7.500	8.117347	5.00	5.70	0.02	5.5957
8.000	8.591837	4.90	5.50	0.02	5.4065
9.000	9.540816	4.50	5.20	0.02	5.0619
10.000	10.489796	4.30	5.00	0.02	4.7611
15.000	15.234694	3.20	3.70	0.02	3.6143
19.600	19.600000	2.60	2.90	0.02	2.8671

**B.2.2.3.2 1" Water Reflection**

Case ID: Pu-icyl-0800-01

Material: PU (Elemental)

Geometry: Cylinder

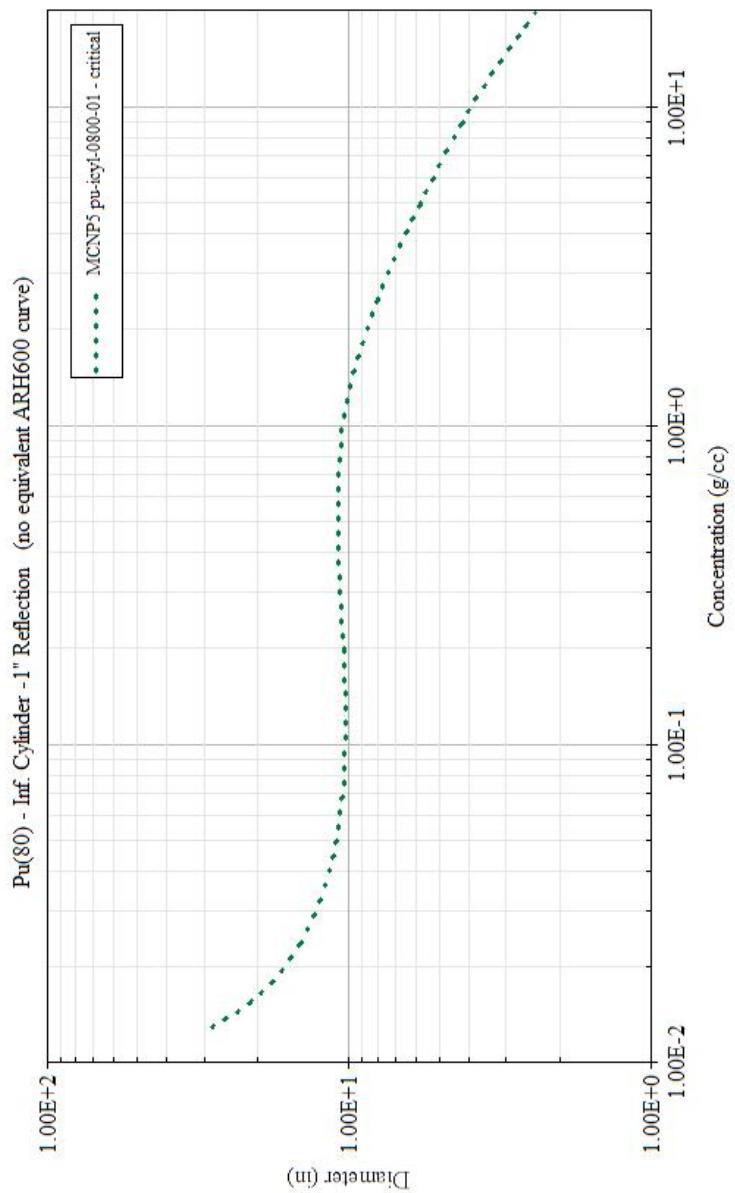
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.3.2-1 Pu Cylinder - 80% 239Pu – 1" Water Reflection**

**Table B. 2.2.3.2-1 Critical Dimensions for Pu Cylinder - 80% 239Pu – 1” Water Reflection**

80% Pu239 Pu Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.013	1.012337	20.00	30.00	0.50	28.2346
0.015	1.014235	17.00	23.00	0.25	21.9459
0.018	1.017082	14.00	20.00	0.25	17.7755
0.020	1.018980	13.00	20.00	0.25	16.2062
0.022	1.020878	12.00	17.00	0.20	15.1047
0.024	1.022776	12.00	16.00	0.20	14.3149
0.025	1.023724	11.90	16.00	0.20	13.9890
0.026	1.024673	11.00	16.00	0.20	13.6794
0.028	1.026571	11.00	15.00	0.20	13.1786
0.030	1.028469	11.00	15.00	0.20	12.8013
0.032	1.030367	10.00	15.00	0.20	12.4447
0.036	1.034163	10.00	14.00	0.20	11.9532
0.040	1.037959	10.00	14.00	0.20	11.5561
0.045	1.042704	9.70	12.00	0.10	11.2197
0.050	1.047449	9.00	13.00	0.20	10.9559
0.075	1.071173	9.00	11.00	0.10	10.3579
0.100	1.094898	8.80	12.00	0.20	10.2007
0.150	1.142347	8.80	11.00	0.10	10.1742
0.200	1.189796	8.90	11.00	0.10	10.3289
0.350	1.332143	9.00	13.00	0.20	10.6837
0.500	1.474490	9.00	13.00	0.20	10.8098
0.750	1.711735	9.00	13.00	0.20	10.7285
1.000	1.948980	8.90	12.00	0.20	10.4211
1.500	2.423469	8.00	9.70	0.05	9.5247
2.000	2.897959	7.50	9.00	0.05	8.6930
2.500	3.372449	6.90	8.10	0.05	7.9515
3.000	3.846939	6.40	7.50	0.05	7.3677
4.000	4.795918	5.70	6.60	0.05	6.4416
5.000	5.744898	5.00	6.00	0.02	5.7641
6.000	6.693878	4.60	5.30	0.02	5.2405
7.000	7.642857	4.30	5.00	0.02	4.8309
7.500	8.117347	4.10	4.70	0.02	4.6475
8.000	8.591837	4.00	4.60	0.02	4.4757
9.000	9.540816	3.70	4.30	0.02	4.1873
10.000	10.489796	3.50	4.00	0.02	3.9359
15.000	15.234694	2.65	3.10	0.02	2.9945
19.600	19.600000	2.15	2.50	0.02	2.4161

**B.2.2.3.3      10" Water Reflection**

Case ID: Pu-icyl-0800-10

Material: PU (Elemental)

Geometry: Cylinder

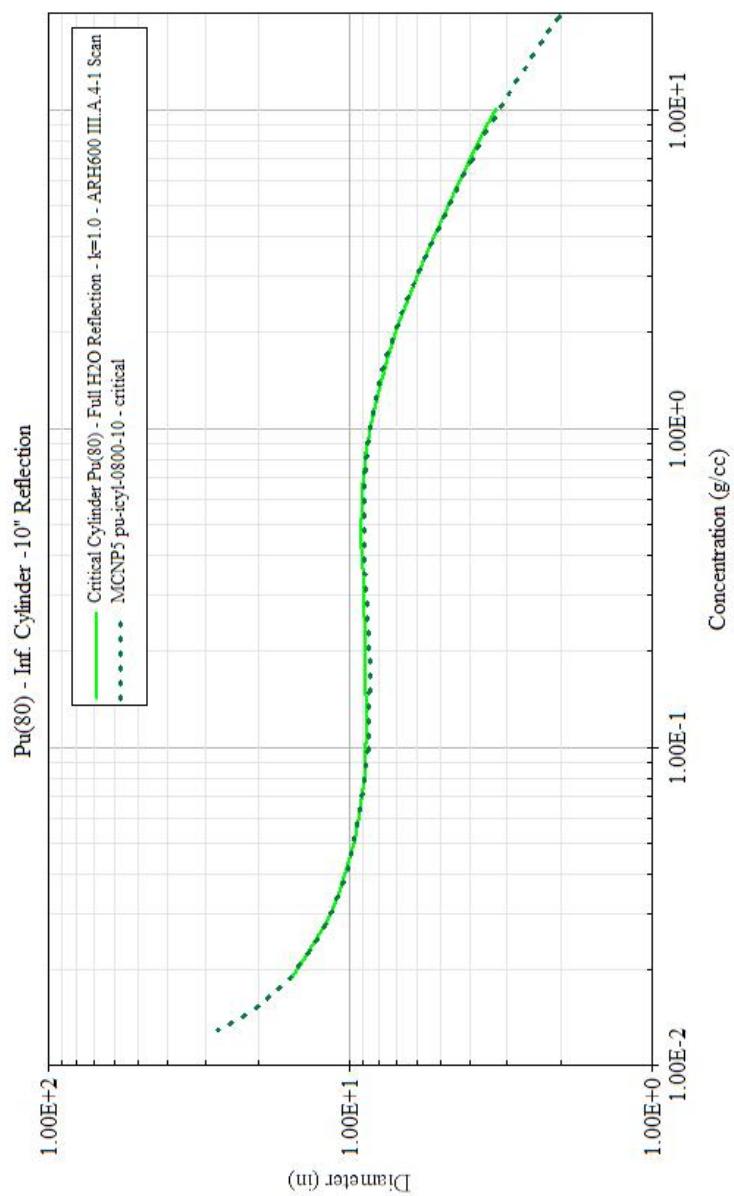
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.2.3.3-1 Pu Cylinder - 80% 239Pu – 10” Water Reflection**

**Table B. 2.2.3.3-1 Critical Dimensions for Pu Cylinder - 80% 239Pu – 10” Water Reflection**

80% Pu239 Pu Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.013	1.012337	20.00	30.00	0.50	27.0960
0.015	1.014235	15.00	22.00	0.25	20.7598
0.018	1.017082	13.00	20.00	0.25	16.5467
0.020	1.018980	12.00	17.00	0.25	14.9929
0.022	1.020878	11.00	16.00	0.25	13.9296
0.024	1.022776	10.90	15.00	0.20	13.0925
0.025	1.023724	10.00	15.00	0.20	12.7591
0.026	1.024673	10.00	15.00	0.25	12.4837
0.028	1.026571	10.00	14.00	0.20	11.9686
0.030	1.028469	9.00	14.00	0.20	11.5491
0.032	1.030367	9.00	14.00	0.25	11.2403
0.036	1.034163	9.00	13.00	0.20	10.6808
0.040	1.037959	8.80	11.00	0.10	10.2612
0.045	1.042704	8.00	12.00	0.20	9.9032
0.050	1.047449	8.00	10.00	0.05	9.6226
0.075	1.071173	7.60	9.50	0.05	8.9386
0.100	1.094898	7.40	9.00	0.05	8.6749
0.150	1.142347	7.00	9.00	0.05	8.5646
0.200	1.189796	7.00	9.00	0.05	8.5947
0.350	1.332143	7.30	9.00	0.05	8.7962
0.500	1.474490	7.40	9.20	0.05	8.9296
0.750	1.711735	7.00	9.00	0.05	8.8121
1.000	1.948980	7.00	9.00	0.10	8.5116
1.500	2.423469	6.50	8.50	0.10	7.7735
2.000	2.897959	5.90	7.20	0.05	7.0536
2.500	3.372449	5.50	6.60	0.05	6.4631
3.000	3.846939	5.00	6.10	0.05	5.9690
4.000	4.795918	4.50	5.30	0.05	5.2189
5.000	5.744898	4.00	4.70	0.02	4.6747
6.000	6.693878	3.70	4.30	0.02	4.2445
7.000	7.642857	3.40	4.00	0.02	3.9114
7.500	8.117347	3.30	4.00	0.02	3.7673
8.000	8.591837	3.20	3.70	0.02	3.6385
9.000	9.540816	3.00	3.50	0.02	3.3995
10.000	10.489796	2.80	3.30	0.02	3.1948
15.000	15.234694	2.15	2.50	0.02	2.4516
19.600	19.600000	1.75	2.10	0.02	2.0068

**B.2.3 Plane**

**B.2.3.1 90%  $^{239}\text{Pu}$**

**B.2.3.1.1 0" Water Reflection**

Case ID: Pu-pl-0900-00

Material: PU (Elemental)

Geometry: Plane

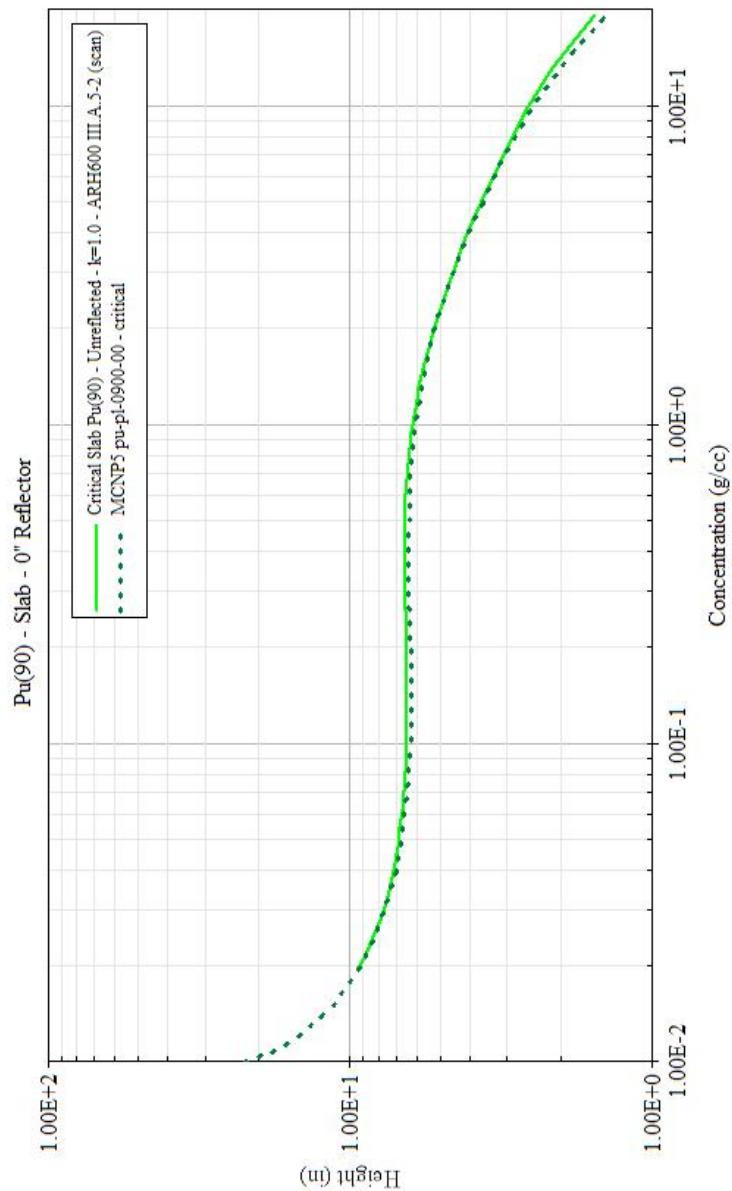
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.1.1-1 Pu Plane - 90% 239Pu – 0” Water Reflection**

**Table B. 2.3.1.1-1 Critical Dimensions for Pu Plane - 90% 239Pu – 0” Water Reflection**

90% Pu239 Pu Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.010	1.009490	15.00	25.00	0.50	22.2434
0.011	1.010439	12.00	26.00	0.50	17.3890
0.012	1.011388	11.00	15.10	0.20	14.7810
0.015	1.014235	9.00	13.00	0.20	11.2969
0.020	1.018980	7.80	9.30	0.05	9.1240
0.025	1.023724	7.00	8.30	0.05	8.1509
0.030	1.028469	6.70	7.70	0.05	7.6023
0.040	1.037959	6.00	7.20	0.05	7.0076
0.050	1.047449	5.90	6.80	0.05	6.7007
0.075	1.071173	5.70	6.50	0.05	6.3762
0.100	1.094898	5.60	6.40	0.05	6.2704
0.150	1.142347	5.50	6.30	0.02	6.2352
0.200	1.189796	5.50	6.40	0.05	6.2771
0.350	1.332143	5.60	6.50	0.05	6.3621
0.500	1.474490	5.60	6.50	0.05	6.3454
0.750	1.711735	5.50	6.30	0.05	6.2407
1.000	1.948980	5.30	6.20	0.05	6.0528
1.500	2.423469	4.90	5.70	0.02	5.6108
2.000	2.897959	4.60	5.30	0.02	5.2013
2.500	3.372449	4.30	5.00	0.02	4.8321
3.000	3.846939	4.00	4.60	0.02	4.5254
4.000	4.795918	3.60	4.10	0.02	4.0233
5.000	5.744898	3.20	3.70	0.02	3.6268
7.500	8.117347	2.60	3.00	0.02	2.9331
10.000	10.489796	2.20	2.50	0.02	2.4589
15.000	15.234694	1.60	1.90	0.02	1.7920
19.600	19.600000	1.20	1.40	0.01	1.3724

**B.2.3.1.2 1" Water Reflection**

Case ID: Pu-pl-0900-01

Material: PU (Elemental)

Geometry: Plane

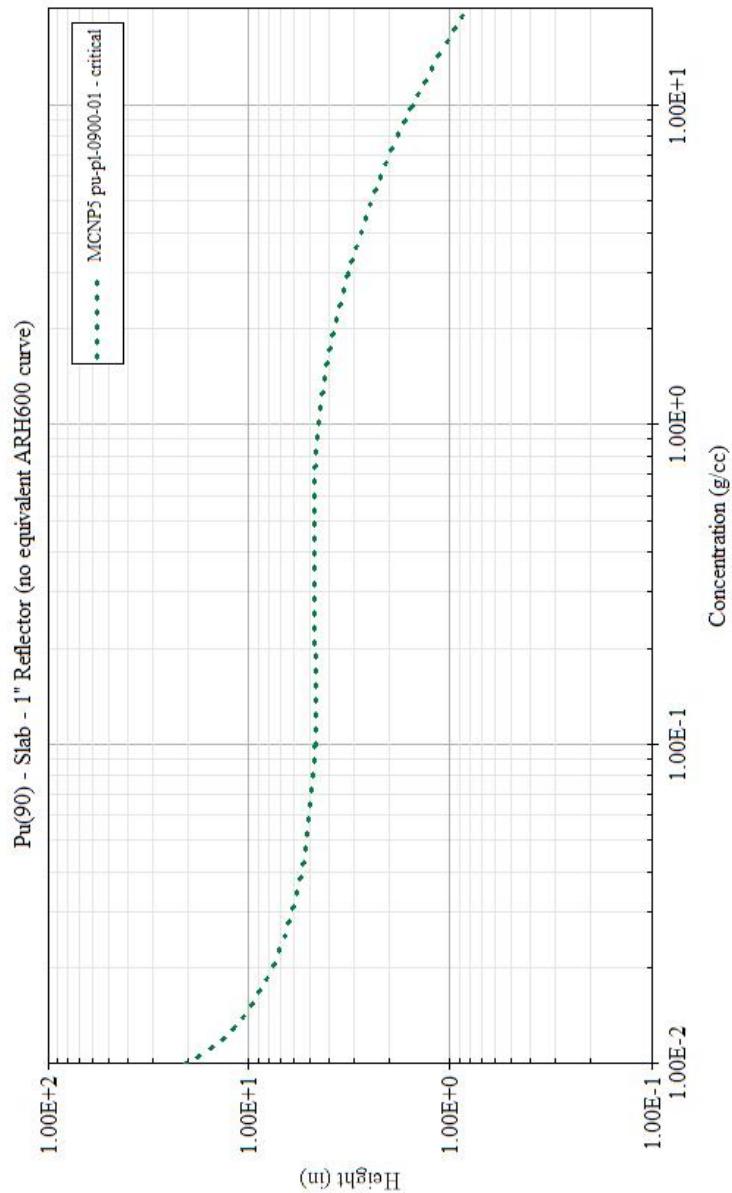
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.1.2-1 Pu Plane - 90%  $^{239}\text{Pu}$  – 1" Water Reflection**

**Table B. 2.3.1.2-1 Critical Dimensions for Pu Plane - 90% 239Pu – 1” Water Reflection**

90% Pu239 Pu Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.010	1.009490	11.00	21.00	0.50	20.7145
0.011	1.010439	11.00	16.00	0.25	15.7932
0.012	1.011388	10.00	14.00	0.20	13.2808
0.015	1.014235	8.00	10.50	0.10	9.7618
0.020	1.018980	6.30	7.70	0.05	7.5811
0.025	1.023724	5.60	7.00	0.05	6.6054
0.030	1.028469	5.00	6.20	0.05	6.0514
0.040	1.037959	4.70	5.50	0.05	5.4540
0.050	1.047449	4.40	5.30	0.05	5.1268
0.075	1.071173	4.10	5.00	0.02	4.7857
0.100	1.094898	4.00	4.80	0.02	4.6776
0.150	1.142347	3.90	4.70	0.02	4.6296
0.200	1.189796	3.90	4.70	0.02	4.6438
0.350	1.332143	4.00	4.80	0.05	4.7211
0.500	1.474490	3.90	4.80	0.05	4.7281
0.750	1.711735	3.90	4.80	0.05	4.6441
1.000	1.948980	3.70	4.60	0.05	4.4838
1.500	2.423469	3.50	4.20	0.02	4.1128
2.000	2.897959	3.10	3.80	0.02	3.7559
2.500	3.372449	3.00	3.50	0.02	3.4528
3.000	3.846939	2.70	3.30	0.02	3.1908
4.000	4.795918	2.30	2.80	0.02	2.7674
5.000	5.744898	2.10	2.50	0.02	2.4494
7.500	8.117347	1.60	2.00	0.02	1.9025
10.000	10.489796	1.30	1.60	0.02	1.5445
15.000	15.234694	0.90	1.15	0.02	1.0946
19.600	19.600000	0.70	0.85	0.01	0.8427

**B.2.3.1.3      10" Water Reflection**

Case ID: Pu-pl-0900-10

Material: PU (Elemental)

Geometry: Plane

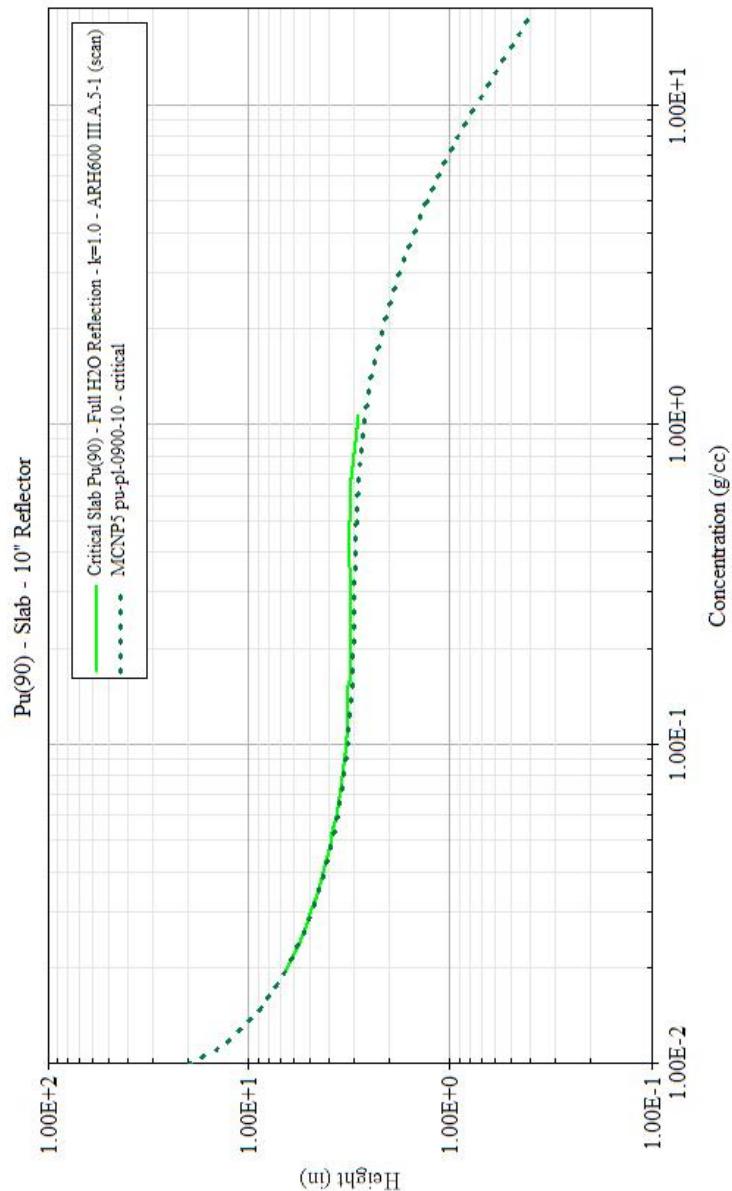
Isotopes: 90%  $^{239}\text{Pu}$

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.1.3-1 Pu Plane - 90% 239Pu – 10” Water Reflection**

**Table B. 2.3.1.3-1 Critical Dimensions for Pu Plane - 90% 239Pu – 10” Water Reflection**

90% Pu239 Pu Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.010	1.009490	11.00	21.00	0.50	19.6176
0.011	1.010439	10.00	15.00	0.25	14.6309
0.012	1.011388	8.90	13.00	0.20	12.1251
0.015	1.014235	6.70	9.00	0.10	8.6235
0.020	1.018980	5.00	6.50	0.05	6.4131
0.025	1.023724	4.40	5.50	0.05	5.4217
0.030	1.028469	3.90	5.00	0.05	4.8298
0.040	1.037959	3.40	4.30	0.05	4.1787
0.050	1.047449	3.10	4.00	0.05	3.8297
0.075	1.071173	2.80	3.50	0.02	3.4011
0.100	1.094898	2.60	3.30	0.02	3.2050
0.150	1.142347	2.40	3.10	0.02	3.0520
0.200	1.189796	2.30	3.10	0.02	2.9999
0.350	1.332143	2.30	3.00	0.02	2.9544
0.500	1.474490	2.20	3.00	0.05	2.9073
0.750	1.711735	2.00	3.00	0.02	2.8219
1.000	1.948980	2.00	2.70	0.02	2.6853
1.500	2.423469	1.80	2.50	0.02	2.4102
2.000	2.897959	1.60	2.20	0.02	2.1581
2.500	3.372449	1.40	2.00	0.02	1.9535
3.000	3.846939	1.30	1.80	0.02	1.7790
4.000	4.795918	1.10	1.60	0.02	1.5030
5.000	5.744898	1.00	1.40	0.02	1.2939
7.500	8.117347	0.70	1.00	0.02	0.9537
10.000	10.489796	0.55	0.75	0.01	0.7463
15.000	15.234694	0.35	0.55	0.01	0.5102
19.600	19.600000	0.25	0.40	0.01	0.3877

**B.2.3.2        85%  $^{239}\text{Pu}$**

**B.2.3.2.1      0" Water Reflection**

Case ID: Pu-pl-0850-00

Material: PU (Elemental)

Geometry: Plane

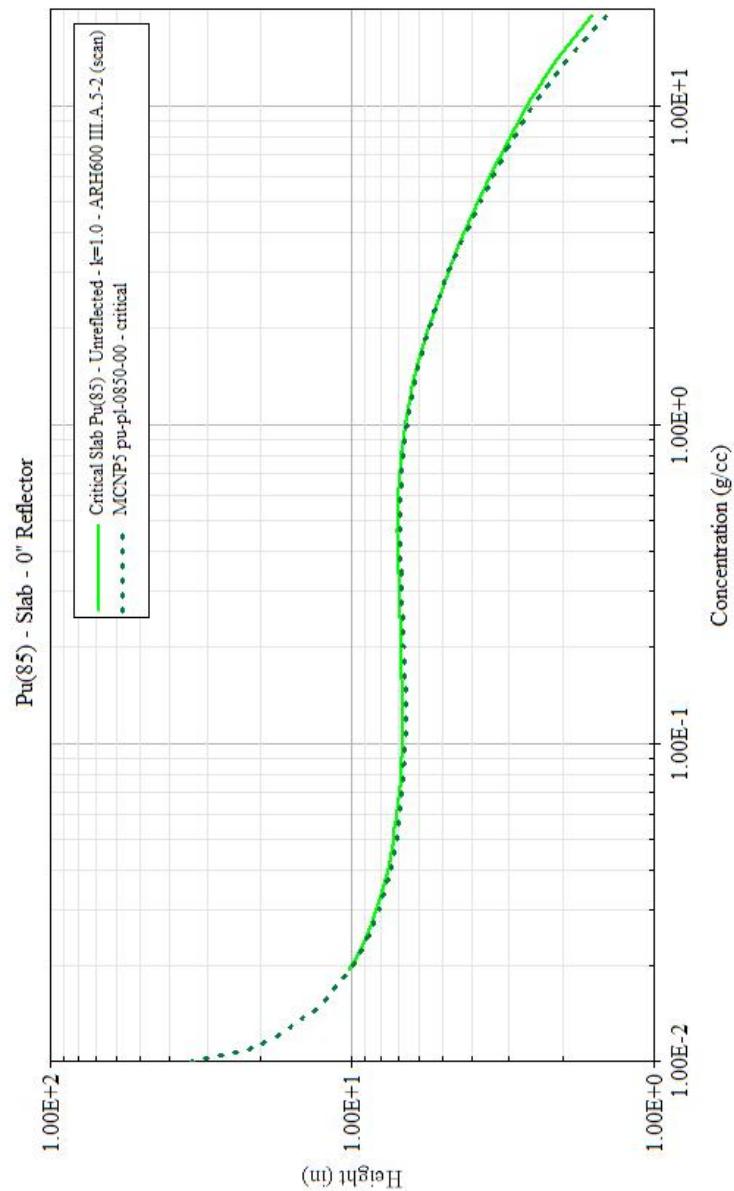
Isotopes: 85%  $^{239}\text{Pu}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.2.1-1 Pu Plane – 85% 239Pu – 0” Water Reflection**

**Table B. 2.3.2.1-1 Critical Dimensions for Pu Plane – 85% 239Pu – 0” Water Reflection**

85% Pu239 Pu Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.010	1.009490	14.00	40.00	1.00	33.8503
0.011	1.010439	14.00	23.00	0.25	22.1557
0.012	1.011388	13.00	20.00	0.25	17.7124
0.015	1.014235	10.00	13.00	0.10	12.6714
0.020	1.018980	8.40	10.10	0.05	9.9127
0.025	1.023724	7.50	9.00	0.05	8.7435
0.030	1.028469	7.00	8.20	0.05	8.1129
0.040	1.037959	6.50	7.50	0.05	7.4240
0.050	1.047449	6.20	7.20	0.05	7.0906
0.075	1.071173	6.00	7.00	0.05	6.7434
0.100	1.094898	5.90	6.80	0.05	6.6389
0.150	1.142347	5.80	6.80	0.05	6.6429
0.200	1.189796	5.90	6.80	0.05	6.6933
0.350	1.332143	6.00	7.00	0.05	6.8364
0.500	1.474490	6.00	7.00	0.05	6.8792
0.750	1.711735	5.80	7.00	0.05	6.7796
1.000	1.948980	5.70	6.70	0.05	6.5624
1.500	2.423469	5.30	6.10	0.05	6.0449
2.000	2.897959	4.80	5.60	0.02	5.5448
2.500	3.372449	4.50	5.20	0.02	5.1192
3.000	3.846939	4.20	5.00	0.02	4.7565
4.000	4.795918	3.70	4.30	0.02	4.1839
5.000	5.744898	3.30	3.80	0.02	3.7490
7.500	8.117347	2.70	3.10	0.02	3.0103
10.000	10.489796	2.20	2.60	0.02	2.5129
15.000	15.234694	1.60	1.85	0.02	1.8275
19.600	19.600000	1.20	1.45	0.02	1.3972

**B.2.3.2.2 1" Water Reflection**

Case ID: Pu-pl-0850-01

Material: PU (Elemental)

Geometry: Plane

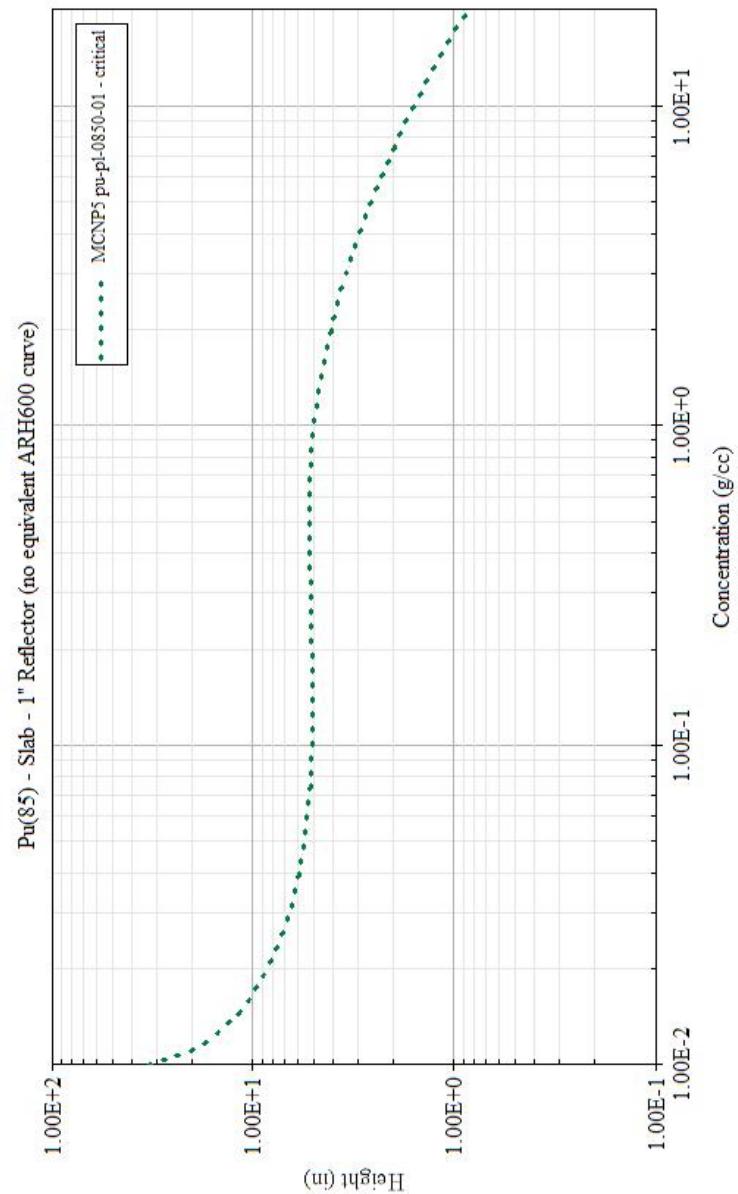
Isotopes: 85%  $^{239}\text{Pu}$

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.2.2-1 Pu Plane – 85%  $^{239}\text{Pu}$  – 1" Water Reflection**

**Table B. 2.3.2.2-1 Critical Dimensions for Pu Plane – 85% 239Pu – 1” Water Reflection**

85% Pu239 Pu Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.010	1.009490	17.00	37.00	1.00	32.6844
0.011	1.010439	13.00	22.00	0.25	20.6144
0.012	1.011388	11.00	18.00	0.25	16.2009
0.015	1.014235	8.00	13.00	0.20	11.1441
0.020	1.018980	6.90	8.50	0.05	8.3598
0.025	1.023724	6.00	7.30	0.05	7.2132
0.030	1.028469	5.50	6.70	0.05	6.5576
0.040	1.037959	5.00	6.00	0.05	5.8751
0.050	1.047449	4.70	5.60	0.05	5.5276
0.075	1.071173	4.40	5.30	0.05	5.1596
0.100	1.094898	4.30	5.10	0.05	5.0412
0.150	1.142347	4.20	5.10	0.05	5.0039
0.200	1.189796	4.30	5.20	0.05	5.0399
0.350	1.332143	4.30	5.30	0.05	5.1900
0.500	1.474490	4.30	5.30	0.05	5.2244
0.750	1.711735	4.30	5.20	0.05	5.1514
1.000	1.948980	4.00	5.10	0.05	4.9794
1.500	2.423469	3.80	4.60	0.05	4.5255
2.000	2.897959	3.40	4.20	0.02	4.0981
2.500	3.372449	3.10	3.80	0.02	3.7282
3.000	3.846939	2.90	3.50	0.02	3.4231
4.000	4.795918	2.50	3.00	0.02	2.9411
5.000	5.744898	2.20	2.60	0.02	2.5768
7.500	8.117347	1.70	2.00	0.02	1.9795
10.000	10.489796	1.35	1.70	0.02	1.5988
15.000	15.234694	0.95	1.15	0.01	1.1297
19.600	19.600000	0.70	0.90	0.01	0.8665

**B.2.3.2.3      10" Water Reflection**

Case ID: Pu-pl-0850-10

Material: PU (Elemental)

Geometry: Plane

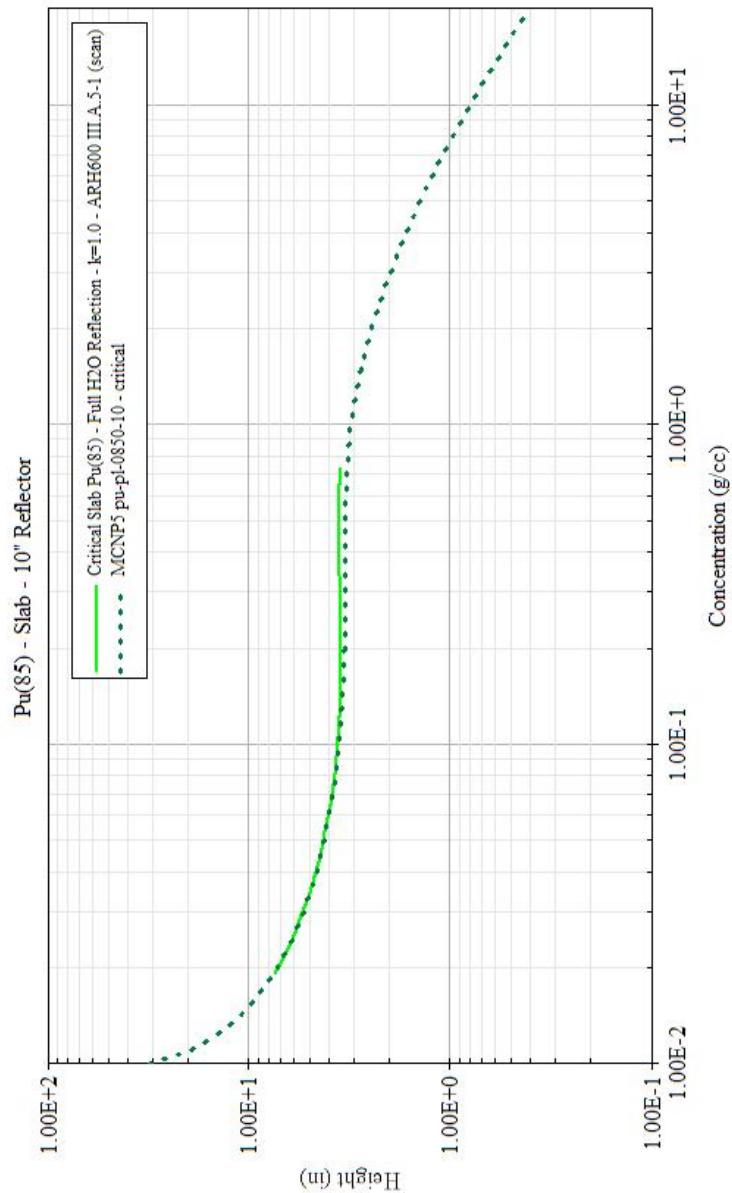
Isotopes: 85%  $^{239}\text{Pu}$

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.2.3-1 Pu Plane – 85% 239Pu – 10” Water Reflection**

**Table B. 2.3.2.3-1 Critical Dimensions for Pu Plane – 85% 239Pu – 10” Water Reflection**

85% Pu239 Pu Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.010	1.009490	15.00	35.00	1.00	31.1981
0.011	1.010439	12.00	20.00	0.25	19.4573
0.012	1.011388	10.00	16.00	0.25	15.0415
0.015	1.014235	7.00	13.00	0.25	9.9744
0.020	1.018980	5.70	7.40	0.05	7.1883
0.025	1.023724	4.80	6.10	0.05	5.9987
0.030	1.028469	4.30	5.40	0.05	5.3239
0.040	1.037959	3.70	4.70	0.05	4.5813
0.050	1.047449	3.40	4.30	0.05	4.1935
0.075	1.071173	3.00	3.80	0.05	3.7260
0.100	1.094898	2.80	3.60	0.02	3.5339
0.150	1.142347	2.60	3.50	0.05	3.3892
0.200	1.189796	2.60	3.40	0.02	3.3522
0.350	1.332143	2.60	3.40	0.05	3.3427
0.500	1.474490	2.50	3.40	0.05	3.3370
0.750	1.711735	2.40	3.30	0.05	3.2411
1.000	1.948980	2.30	3.20	0.05	3.0855
1.500	2.423469	2.00	2.80	0.02	2.7570
2.000	2.897959	1.80	2.50	0.02	2.4450
2.500	3.372449	1.60	2.30	0.02	2.1850
3.000	3.846939	1.50	2.00	0.02	1.9766
4.000	4.795918	1.20	1.70	0.02	1.6492
5.000	5.744898	1.10	1.50	0.02	1.4103
7.500	8.117347	0.75	1.10	0.02	1.0275
10.000	10.489796	0.60	0.84	0.01	0.8005
15.000	15.234694	0.40	0.55	0.01	0.5417
19.600	19.600000	0.30	0.45	0.01	0.4126

**B.2.3.3      80%  $^{239}\text{Pu}$**

**B.2.3.3.1    0" Water Reflection**

Case ID: Pu-pl-0800-00

Material: PU (Elemental)

Geometry: Plane

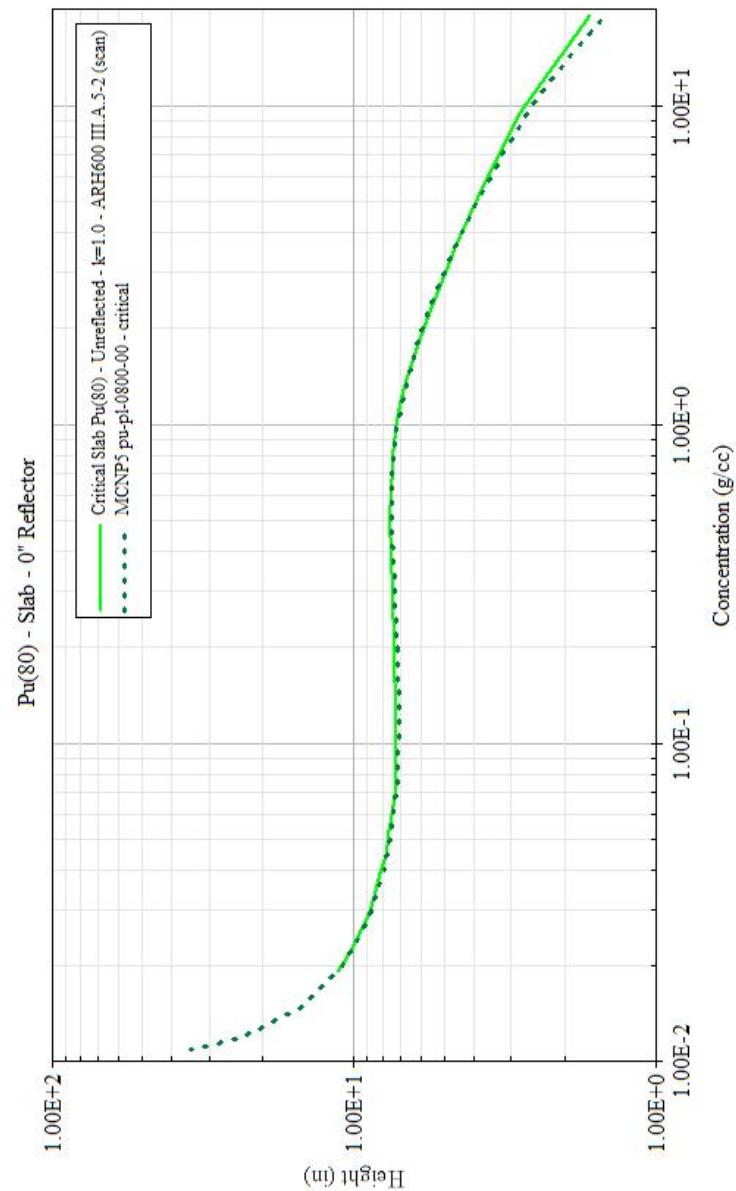
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.3.1-1 Pu Plane – 80% 239Pu – 0” Water Reflection**

**Table B. 2.3.3.1-1 Critical Dimensions for Pu Plane – 80% 239Pu – 0” Water Reflection**

80% Pu239 Pu Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.011	1.010439	20.00	45.00	1.00	34.8756
0.012	1.011388	15.00	24.00	0.25	23.2447
0.015	1.014235	11.00	16.00	0.25	14.6149
0.020	1.018980	9.00	13.00	0.20	10.9175
0.025	1.023724	8.00	9.60	0.05	9.4779
0.030	1.028469	7.50	9.00	0.05	8.7158
0.040	1.037959	6.90	8.10	0.05	7.9336
0.050	1.047449	6.60	7.70	0.05	7.5339
0.075	1.071173	6.30	7.30	0.05	7.1436
0.100	1.094898	6.20	7.20	0.05	7.0374
0.150	1.142347	6.00	7.20	0.05	7.0352
0.200	1.189796	6.20	7.30	0.05	7.1211
0.350	1.332143	6.40	7.40	0.05	7.3405
0.500	1.474490	6.40	7.60	0.05	7.4444
0.750	1.711735	6.30	7.50	0.05	7.3565
1.000	1.948980	6.00	7.20	0.05	7.1130
1.500	2.423469	5.60	6.60	0.05	6.4819
2.000	2.897959	5.00	6.00	0.05	5.8957
2.500	3.372449	4.70	5.50	0.02	5.4051
3.000	3.846939	4.40	5.10	0.02	4.9889
4.000	4.795918	3.80	4.40	0.02	4.3465
5.000	5.744898	3.40	4.00	0.02	3.8799
7.500	8.117347	2.70	3.20	0.02	3.0861
10.000	10.489796	2.30	2.60	0.02	2.5665
15.000	15.234694	1.65	1.90	0.02	1.8643
19.600	19.600000	1.25	1.45	0.01	1.4232

**B.2.3.3.2 1" Water Reflection**

Case ID: Pu-pl-0800-01

Material: PU (Elemental)

Geometry: Plane

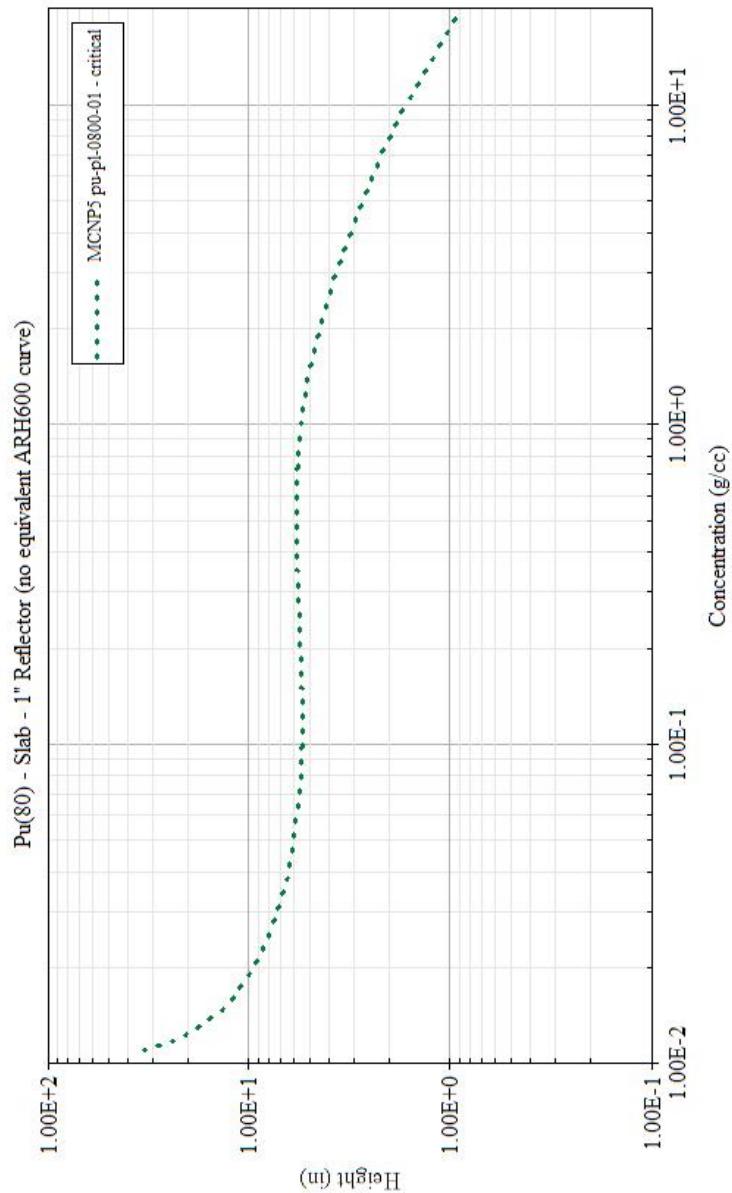
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.3.2-1 Pu Plane – 80% 239Pu – 1” Water Reflection**

**Table B. 2.3.3.2-1 Critical Dimensions for Pu Plane – 80% 239Pu – 1” Water Reflection**

80% Pu239 Pu Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.011	1.010439	18.00	40.00	1.00	33.2062
0.012	1.011388	13.00	30.00	0.75	21.7380
0.015	1.014235	9.90	13.20	0.20	13.0841
0.020	1.018980	7.00	13.00	0.25	9.3813
0.025	1.023724	6.60	8.10	0.05	7.9549
0.030	1.028469	6.00	7.30	0.05	7.1700
0.040	1.037959	5.40	6.50	0.05	6.3486
0.050	1.047449	5.00	6.10	0.05	5.9510
0.075	1.071173	4.70	5.60	0.05	5.5440
0.100	1.094898	4.60	5.50	0.05	5.4268
0.150	1.142347	4.50	5.50	0.05	5.3971
0.200	1.189796	4.60	5.60	0.05	5.4735
0.350	1.332143	4.70	6.00	0.05	5.7033
0.500	1.474490	4.70	6.00	0.05	5.7696
0.750	1.711735	4.70	6.00	0.05	5.6978
1.000	1.948980	4.50	5.60	0.05	5.5034
1.500	2.423469	4.00	5.00	0.05	4.9487
2.000	2.897959	3.70	4.50	0.05	4.4380
2.500	3.372449	3.30	4.10	0.02	4.0145
3.000	3.846939	3.00	3.70	0.02	3.6543
4.000	4.795918	2.60	3.20	0.02	3.1022
5.000	5.744898	2.30	2.80	0.02	2.7050
7.500	8.117347	1.75	2.10	0.02	2.0613
10.000	10.489796	1.40	1.70	0.02	1.6562
15.000	15.234694	1.00	1.20	0.02	1.1626
19.600	19.600000	0.75	0.90	0.01	0.8919

**B.2.3.3.3 10" Water Reflection**

Case ID: Pu-pl-0800-10

Material: PU (Elemental)

Geometry: Plane

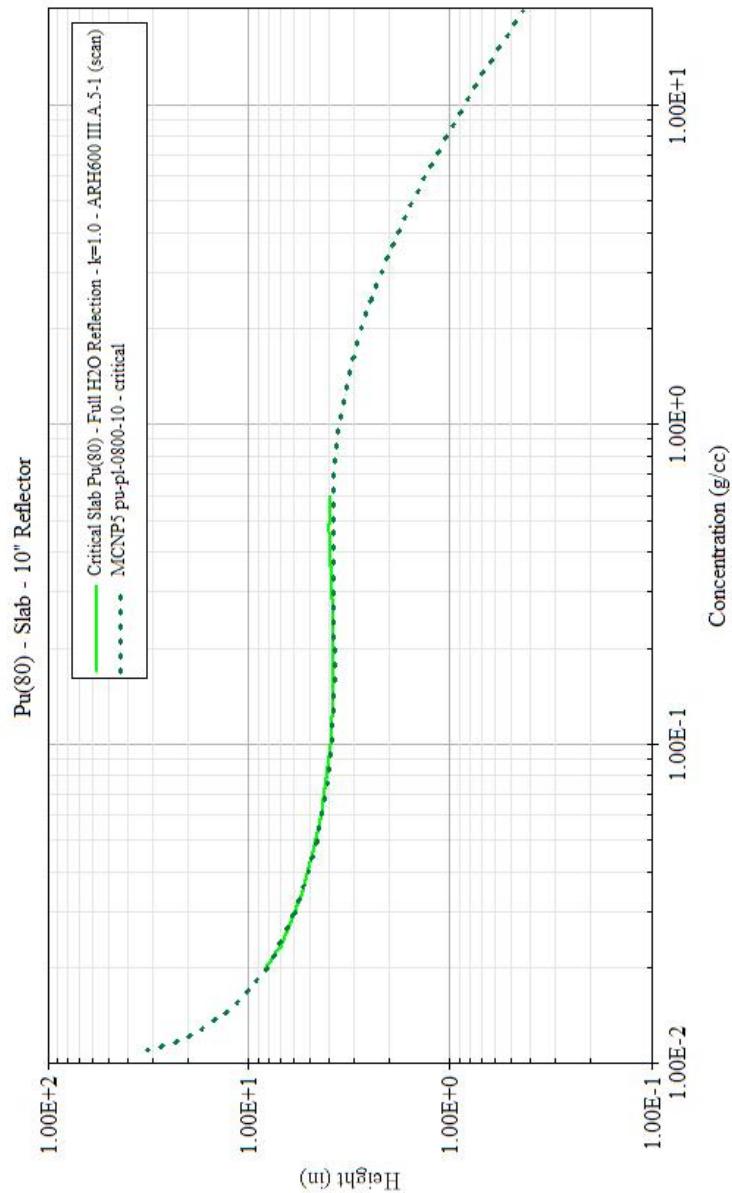
Isotopes: 80%  $^{239}\text{Pu}$

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 2.3.3.3-1 Pu Plane – 80% 239Pu – 10” Water Reflection**

**Table B. 2.3.3.3-1 Critical Dimensions for Pu Plane – 80% 239Pu – 10” Water Reflection**

80% Pu239 Pu Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Height (Inches)
0.011	1.010439	16.00	36.00	1.00	32.3743
0.012	1.011388	12.00	25.00	0.25	20.5632
0.015	1.014235	8.00	13.00	0.20	11.9162
0.020	1.018980	6.40	8.30	0.05	8.1691
0.025	1.023724	5.40	7.00	0.05	6.6996
0.030	1.028469	4.80	6.00	0.05	5.9113
0.040	1.037959	4.00	5.20	0.05	5.0527
0.050	1.047449	3.70	4.70	0.05	4.6104
0.075	1.071173	3.30	4.20	0.05	4.0938
0.100	1.094898	3.00	4.00	0.05	3.8913
0.150	1.142347	3.00	3.80	0.05	3.7553
0.200	1.189796	2.90	3.80	0.05	3.7343
0.350	1.332143	2.90	4.00	0.05	3.7843
0.500	1.474490	2.80	4.00	0.05	3.8103
0.750	1.711735	2.70	4.00	0.05	3.7228
1.000	1.948980	2.60	3.60	0.05	3.5491
1.500	2.423469	2.30	3.20	0.05	3.1311
2.000	2.897959	2.00	2.80	0.02	2.7525
2.500	3.372449	1.80	2.50	0.02	2.4374
3.000	3.846939	1.60	2.30	0.02	2.1775
4.000	4.795918	1.40	2.00	0.02	1.8009
5.000	5.744898	1.15	1.60	0.02	1.5295
7.500	8.117347	0.80	1.20	0.02	1.1026
10.000	10.489796	0.65	0.90	0.02	0.8567
15.000	15.234694	0.45	0.60	0.01	0.5775
19.600	19.600000	0.30	0.45	0.01	0.4375

## B.3 UO<sub>2</sub>-WATER MIXTURE

### B.3.1 Sphere

B.3.1.1 1.3% <sup>235</sup>U

B.3.1.1.1 0" Water Reflection

Case ID: u5o2-sp-0013-00

Material: UO<sub>2</sub>

Geometry: Sphere

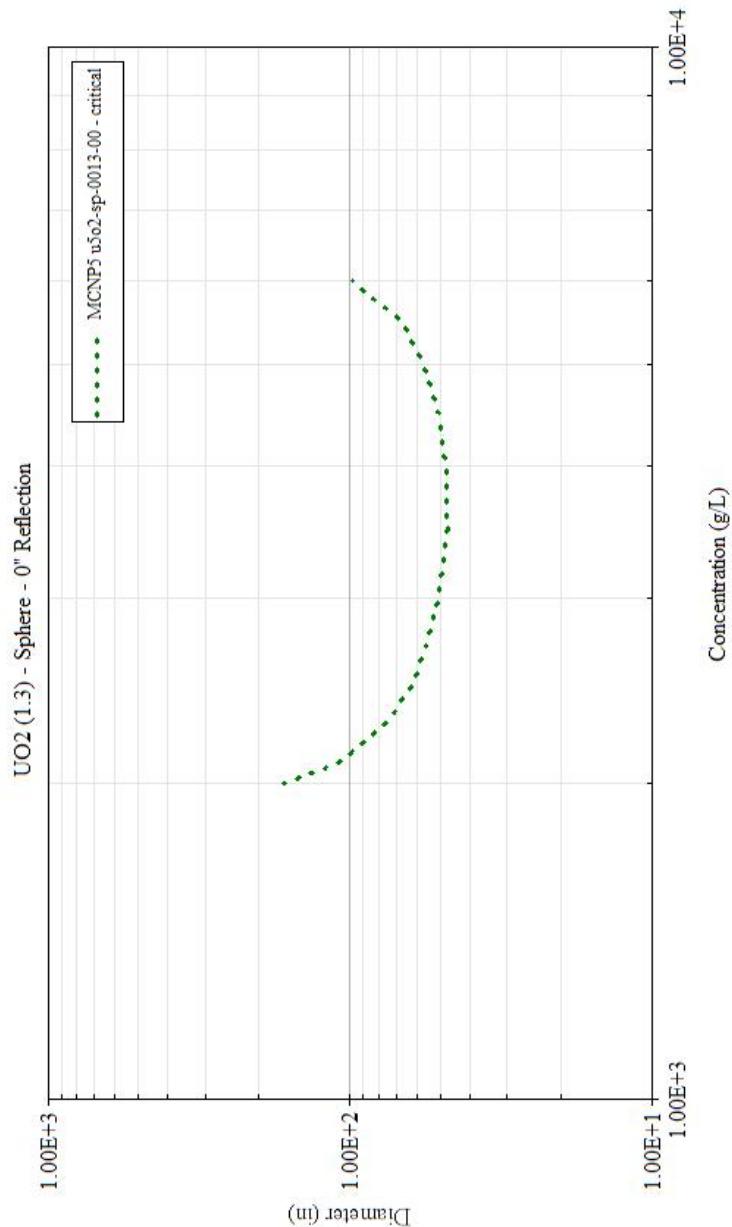
Isotopes: 1.3% <sup>235</sup>U

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.1.1.1-1 UO<sub>2</sub> Sphere – 1.3% 235U – 0° Water Reflection**

**Table B. 3.1.1.1-1 Critical Dimensions for UO<sub>2</sub> Sphere – 1.3% 235U – 0" Water Reflection**

1.3% U235 UO <sub>2</sub> Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	40.00	200.00	5.00	164.7010
2.100	2.909091	40.00	110.00	2.50	106.6161
2.300	3.090909	40.00	100.00	2.00	73.7625
2.500	3.272727	30.00	80.00	2.00	61.3542
2.700	3.454545	35.00	60.00	1.00	55.6936
3.000	3.727273	33.00	52.00	1.00	50.3040
3.500	4.181818	30.00	70.00	2.00	47.3461
4.000	4.636364	30.00	60.00	1.00	47.7206
4.500	5.090909	30.00	64.00	1.00	50.2463
5.000	5.545455	36.00	60.00	1.00	56.4444
5.500	6.000000	40.00	90.00	2.00	66.9757
6.000	6.454545	40.00	140.00	5.00	97.6451

**B.3.1.1.2 1" Water Reflection**

Case ID: u5o2-sp-0013-01

Material: UO<sub>2</sub>

Geometry: Sphere

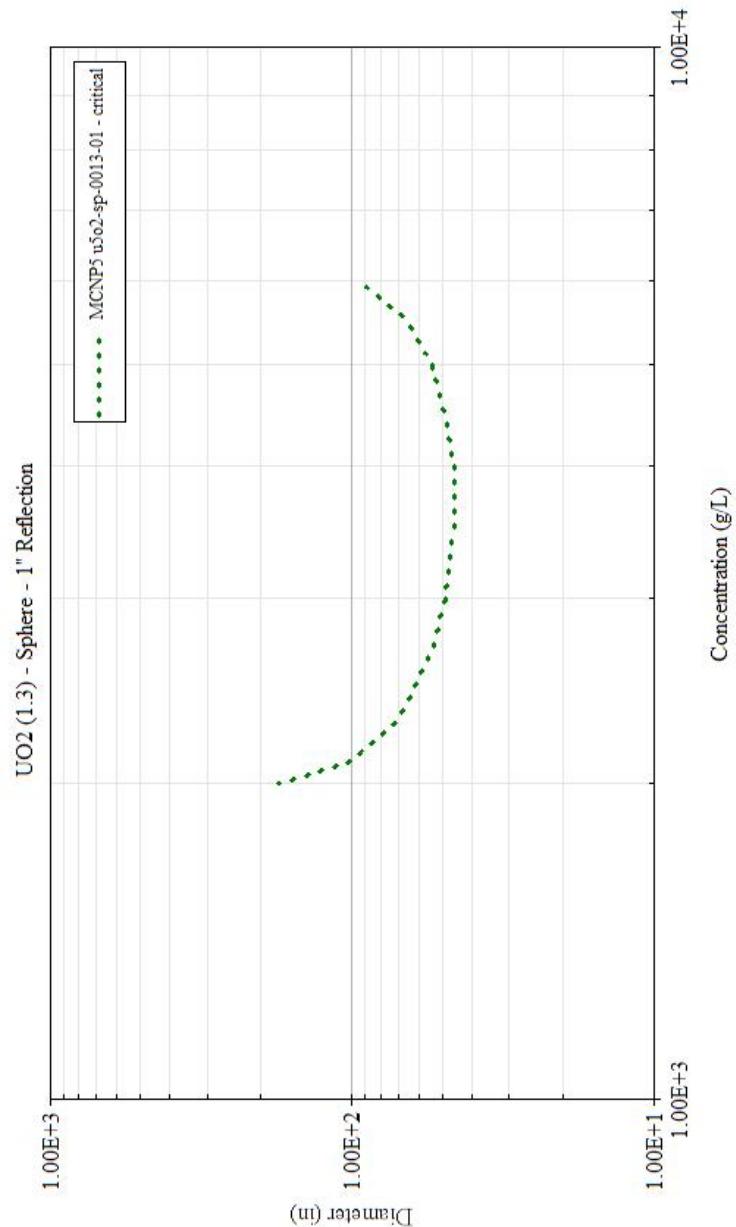
Isotopes: 1.3% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.1.1.2-1 UO<sub>2</sub> Sphere – 1.3% 235U – 1" Water Reflection**

**Table B. 3.1.1.2-1 Critical Dimensions for UO<sub>2</sub> Sphere – 1.3% 235U – 1" Water Reflection**

1.3% U235 UO <sub>2</sub> Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	40.00	180.00	5.00	176.0715
2.100	2.909091	44.00	120.00	2.00	100.9627
2.300	3.090909	30.00	80.00	2.00	69.8175
2.500	3.272727	30.00	63.00	1.00	60.1496
2.700	3.454545	30.00	54.00	1.00	53.5898
3.000	3.727273	30.00	50.00	1.00	48.7719
3.500	4.181818	32.00	50.00	0.50	45.3875
4.000	4.636364	32.00	60.00	1.00	45.6494
4.500	5.090909	30.00	50.00	1.00	48.6170
5.000	5.545455	35.00	60.00	1.00	54.1975
5.500	6.000000	37.00	70.00	1.00	64.6286
6.000	6.454545	40.00	120.00	2.50	93.6111

**B.3.1.1.3      10" Water Reflection**

Case ID: u5o2-sp-0013-10

Material: UO<sub>2</sub>

Geometry: Sphere

Isotopes: 1.3% <sup>235</sup>U

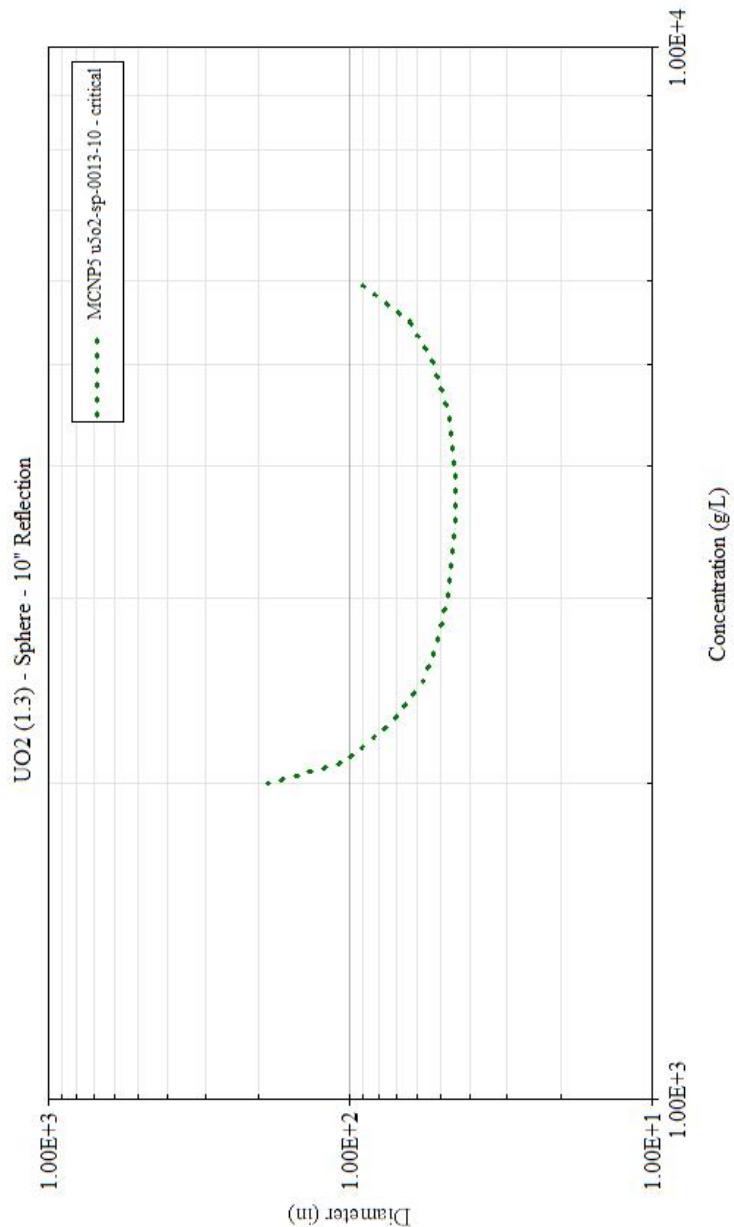
Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.1.1.3-1 UO<sub>2</sub> Sphere – 1.3% 235U – 10" Water Reflection**



**Table B. 3.1.1.3-1 Critical Dimensions for UO<sub>2</sub> Sphere – 1.3% 235U – 10” Water Reflection**

1.3% U235 UO <sub>2</sub> Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	40.00	240.00	10.00	187.1876
2.100	2.909091	40.00	120.00	2.50	103.5180
2.300	3.090909	38.00	82.00	2.00	71.2090
2.500	3.272727	30.00	60.00	1.00	56.8176
2.700	3.454545	30.00	53.00	1.00	51.6496
3.000	3.727273	30.00	51.00	1.00	47.0709
3.500	4.181818	20.00	80.00	2.00	44.4265
4.000	4.636364	29.00	45.00	0.50	44.5139
4.500	5.090909	30.00	50.00	1.00	46.4754
5.000	5.545455	30.00	60.00	1.00	52.3295
5.500	6.000000	30.00	70.00	2.00	63.5143
6.000	6.454545	40.00	110.00	2.50	93.0953

**B.3.2 Cylinder**

**B.3.2.1 6%  $^{235}\text{U}$**

**B.3.2.1.1 0" Water Reflection**

Case ID: u5o2-icyl-0060-00

Material: UO<sub>2</sub>

Geometry: Cylinder

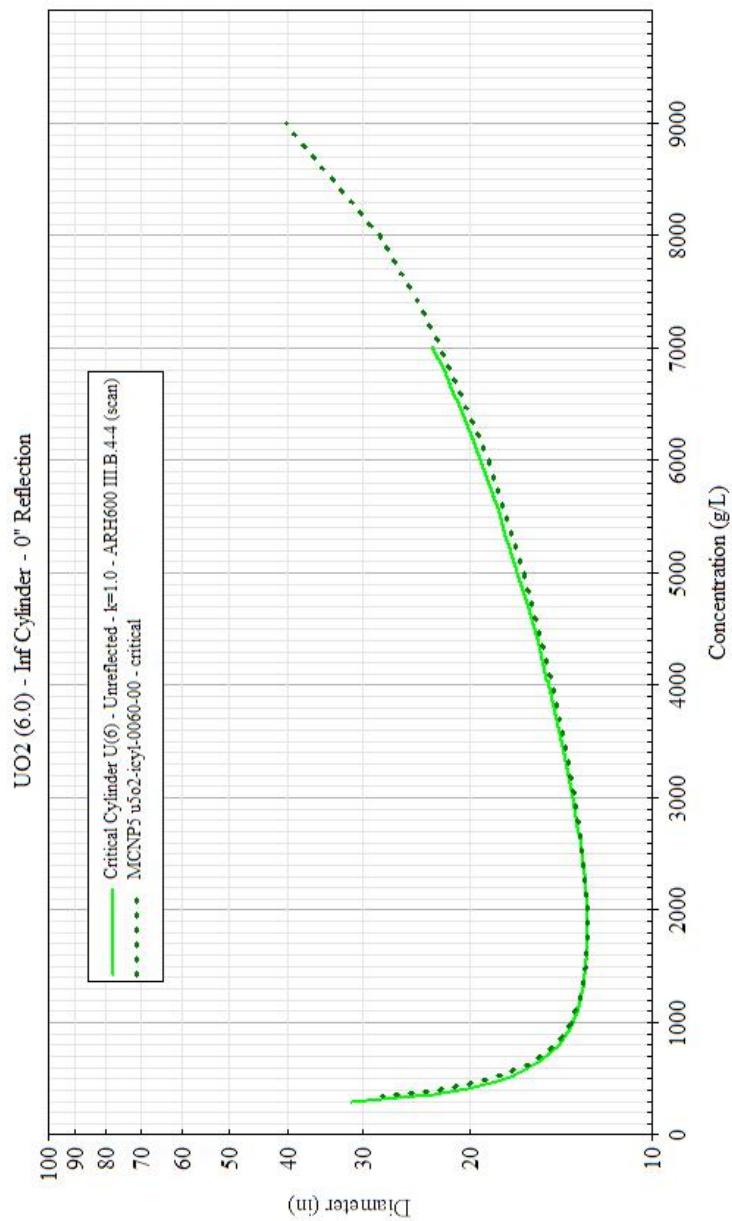
Isotopes: 6%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.1.1-1 UO<sub>2</sub> Cylinder - 6% 235U – 0" Water Reflection**

**Table B. 3.2.1.1-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 6% 235U – 0" Water Reflection**

6% U235 UO <sub>2</sub> Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	20.00	30.00	0.25	27.9509
0.400	1.363636	18.60	23.00	0.20	22.8482
0.500	1.454545	15.80	18.60	0.10	18.4302
0.650	1.590909	13.80	16.00	0.10	15.7360
0.800	1.727273	12.60	15.10	0.10	14.4688
0.900	1.818182	12.50	14.20	0.10	13.9504
1.000	1.909091	12.00	14.00	0.05	13.5916
1.200	2.090909	11.50	14.00	0.10	13.1140
1.500	2.363636	11.30	13.30	0.10	12.8180
1.700	2.545455	11.00	13.30	0.10	12.7371
1.900	2.727273	11.00	13.00	0.05	12.7356
2.000	2.818182	11.30	13.00	0.05	12.7327
2.100	2.909091	11.00	13.30	0.10	12.7700
2.500	3.272727	11.50	13.00	0.05	12.9423
3.000	3.727273	12.20	13.50	0.05	13.3759
4.000	4.636364	12.80	15.00	0.05	14.5262
5.000	5.545455	14.40	16.50	0.10	16.2736
6.000	6.454545	16.40	18.80	0.10	18.5930
7.000	7.363636	18.00	24.00	0.25	22.1828
7.500	7.818182	21.00	25.20	0.20	24.7573
8.000	8.272727	22.00	32.00	0.25	28.1373
9.000	9.181818	29.00	44.00	0.75	40.1557

**B.3.2.1.2 1" Water Reflection**

Case ID: u5o2-icyl-0060-01

Material: UO<sub>2</sub>

Geometry: Cylinder

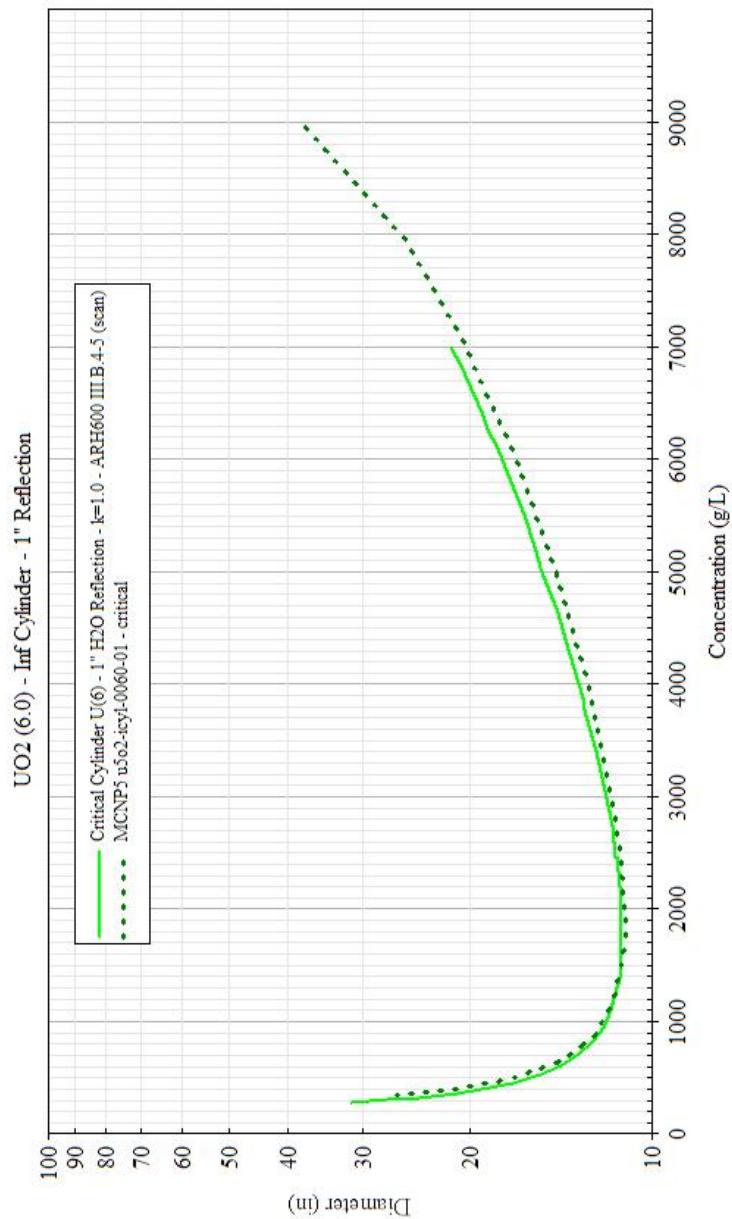
Isotopes: 6% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.1.2-1 UO<sub>2</sub> Cylinder - 6% 235U – 1" Water Reflection**

**Table B. 3.2.1.2-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 6% 235U – 1" Water Reflection**

6% U235 UO <sub>2</sub> Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	19.00	30.00	0.50	26.3879
0.400	1.363636	17.20	21.60	0.20	21.2741
0.500	1.454545	13.00	20.00	0.25	16.8952
0.650	1.590909	12.30	14.30	0.10	14.1626
0.800	1.727273	11.00	13.10	0.10	12.8960
0.900	1.818182	11.00	12.40	0.05	12.3610
1.000	1.909091	10.40	12.20	0.05	12.0013
1.200	2.090909	10.00	12.00	0.10	11.5235
1.500	2.363636	9.80	11.60	0.05	11.1866
1.700	2.545455	9.60	11.30	0.05	11.0601
1.900	2.727273	9.70	11.50	0.05	11.0529
2.000	2.818182	9.60	11.30	0.05	11.0538
2.100	2.909091	9.70	11.40	0.05	11.0959
2.500	3.272727	9.80	12.00	0.10	11.2429
3.000	3.727273	10.00	12.10	0.10	11.6178
4.000	4.636364	11.00	13.30	0.10	12.6959
5.000	5.545455	12.00	14.50	0.10	14.3194
6.000	6.454545	14.40	16.80	0.10	16.6712
7.000	7.363636	16.00	22.00	0.25	20.1495
7.500	7.818182	18.00	24.00	0.25	22.6885
8.000	8.272727	20.00	27.00	0.25	25.9105
9.000	9.181818	27.50	38.50	0.50	37.7955

**B.3.2.1.3      10" Water Reflection**

Case ID: u5o2-icyl-0060-10

Material: UO<sub>2</sub>

Geometry: Cylinder

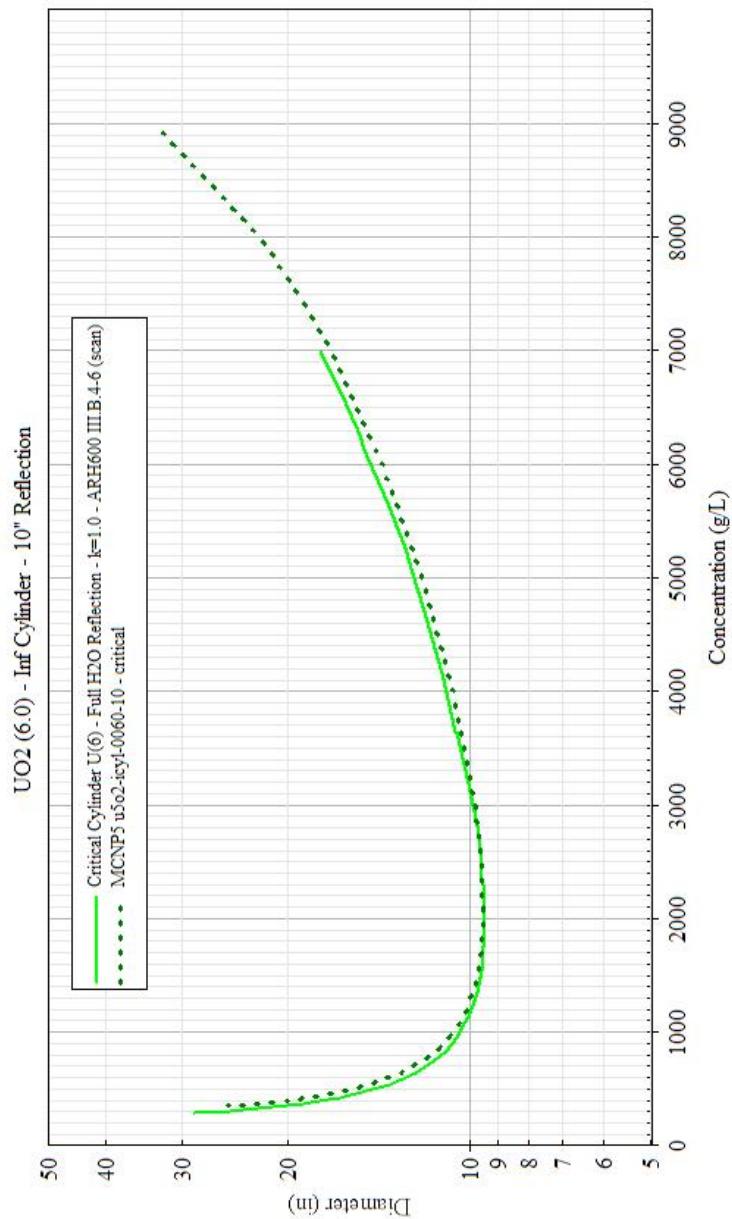
Isotopes: 6% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.1.3-1 UO<sub>2</sub> Cylinder - 6% 235U – 10" Water Reflection**

**Table B. 3.2.1.3-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 6% 235U – 10” Water Reflection**

6% U235 UO <sub>2</sub> Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	19.00	25.50	0.25	25.1782
0.400	1.363636	16.00	21.00	0.20	20.0770
0.500	1.454545	12.00	17.00	0.20	15.6583
0.650	1.590909	11.00	13.00	0.10	12.9073
0.800	1.727273	9.80	12.20	0.10	11.5849
0.900	1.818182	9.50	12.50	0.10	11.0469
1.000	1.909091	9.00	11.00	0.05	10.6326
1.200	2.090909	8.80	10.20	0.05	10.1185
1.500	2.363636	8.00	10.10	0.05	9.6713
1.700	2.545455	8.00	9.70	0.05	9.5566
1.900	2.727273	8.00	10.00	0.05	9.4958
2.000	2.818182	8.00	9.50	0.05	9.4646
2.100	2.909091	8.00	10.00	0.05	9.4730
2.500	3.272727	8.00	11.00	0.10	9.5457
3.000	3.727273	8.40	10.30	0.05	9.7815
4.000	4.636364	9.00	11.20	0.10	10.6323
5.000	5.545455	10.20	12.20	0.10	11.9456
6.000	6.454545	11.00	15.00	0.20	13.8894
7.000	7.363636	13.00	17.20	0.20	16.9262
7.500	7.818182	15.00	21.00	0.25	19.0853
8.000	8.272727	16.00	23.00	0.25	22.1540
9.000	9.181818	20.00	35.00	0.50	33.1194

**B.3.2.2        5%  $^{235}\text{U}$**

**B.3.2.2.1      0" Water Reflection**

Case ID: u5o2-icyl-0050-00

Material: UO<sub>2</sub>

Geometry: Cylinder

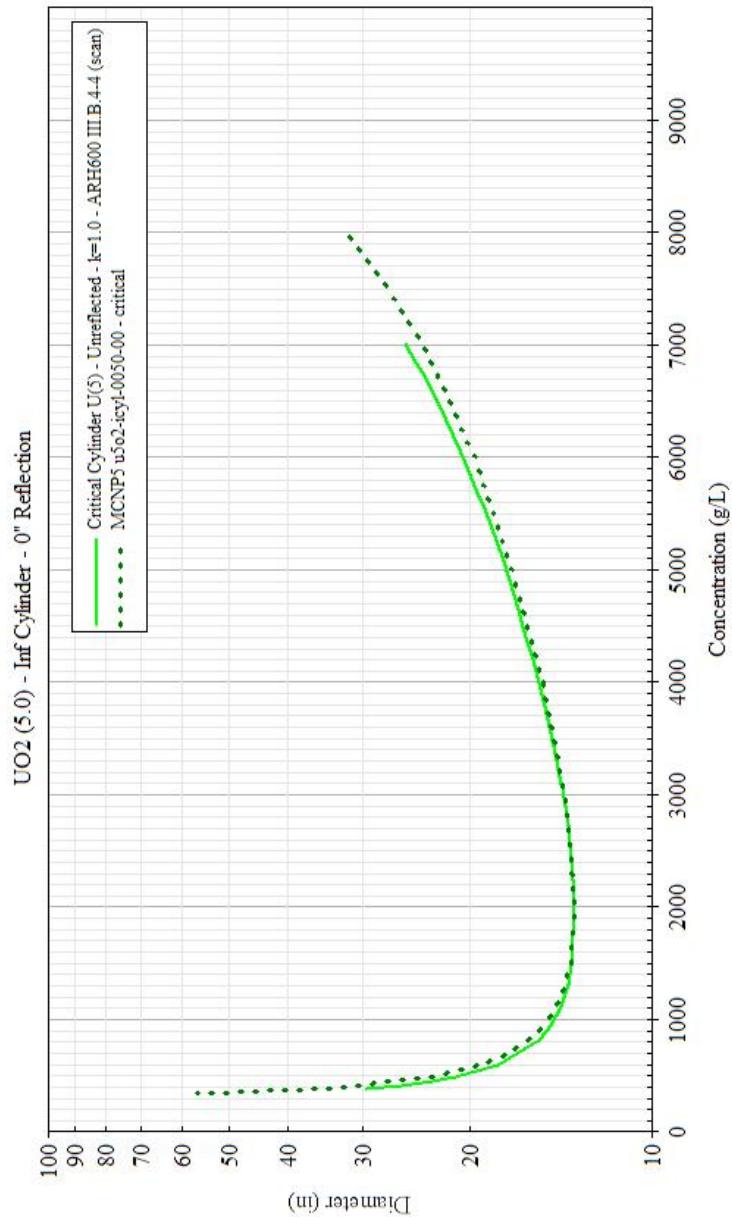
Isotopes: 5%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.2.1-1 UO<sub>2</sub> Cylinder - 5% 235U – 0" Water Reflection**

**Table B. 3.2.2.1-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 5% 235U – 0" Water Reflection**

5% U235 UO <sub>2</sub> Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	31.00	58.00	1.00	56.7253
0.400	1.363636	24.00	34.00	0.50	33.0123
0.500	1.454545	17.00	25.00	0.25	22.7085
0.650	1.590909	15.50	18.60	0.10	18.0409
0.800	1.727273	14.20	16.30	0.10	16.1135
0.900	1.818182	13.50	15.50	0.10	15.3550
1.000	1.909091	13.00	16.00	0.10	14.8112
1.200	2.090909	12.50	15.50	0.10	14.0939
1.500	2.363636	12.00	14.00	0.05	13.5898
1.700	2.545455	11.90	14.00	0.10	13.4616
1.900	2.727273	11.80	14.00	0.10	13.4013
2.000	2.818182	11.80	14.00	0.10	13.3882
2.100	2.909091	11.80	14.20	0.10	13.3826
2.500	3.272727	12.00	14.00	0.10	13.5462
3.000	3.727273	12.00	14.10	0.05	13.8910
4.000	4.636364	13.50	15.20	0.10	15.0804
5.000	5.545455	14.00	19.00	0.20	16.9355
6.000	6.454545	16.00	21.00	0.20	19.5741
7.000	7.363636	19.00	26.00	0.25	23.8187
7.500	7.818182	21.00	30.00	0.25	27.2439
8.000	8.272727	25.50	32.50	0.25	31.8758

**B.3.2.2.2 1" Water Reflection**

Case ID: u5o2-icyl-0050-01

Material: UO<sub>2</sub>

Geometry: Cylinder

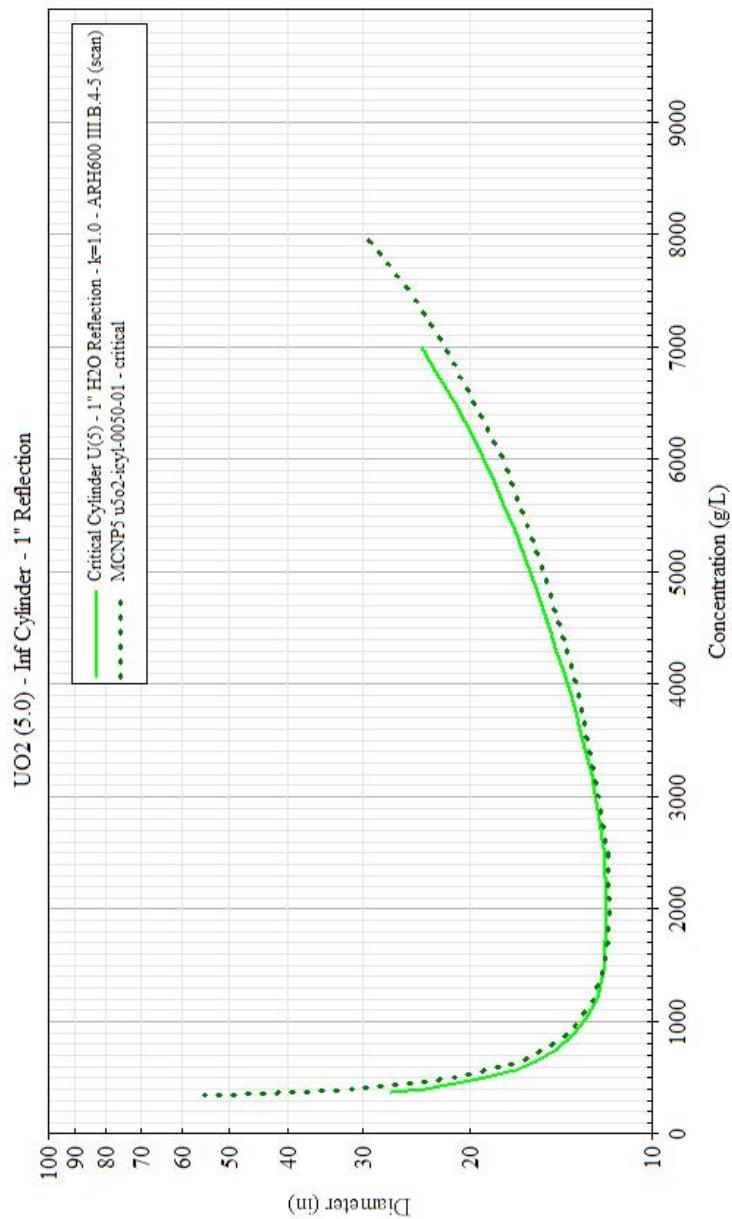
Isotopes: 5% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.2.2-1 UO<sub>2</sub> Cylinder - 5% 235U – 1" Water Reflection**

**Table B. 3.2.2.2-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 5% 235U – 1" Water Reflection**

5% U235 UO <sub>2</sub> Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	28.00	58.00	1.00	54.9333
0.400	1.363636	22.00	32.00	0.50	31.4346
0.500	1.454545	16.00	22.00	0.25	21.2194
0.650	1.590909	14.00	17.00	0.10	16.5110
0.800	1.727273	12.00	15.00	0.10	14.5248
0.900	1.818182	11.50	14.00	0.10	13.7334
1.000	1.909091	11.00	13.40	0.10	13.1940
1.200	2.090909	11.00	12.60	0.05	12.4831
1.500	2.363636	10.40	12.40	0.10	11.9594
1.700	2.545455	10.00	12.20	0.10	11.8109
1.900	2.727273	10.00	12.20	0.10	11.7348
2.000	2.818182	10.00	12.20	0.10	11.7260
2.100	2.909091	10.00	12.20	0.10	11.7261
2.500	3.272727	10.00	12.30	0.10	11.8057
3.000	3.727273	10.70	13.00	0.10	12.1851
4.000	4.636364	11.60	13.40	0.05	13.2789
5.000	5.545455	13.00	15.20	0.10	15.0138
6.000	6.454545	14.00	18.00	0.20	17.6025
7.000	7.363636	17.00	23.00	0.25	21.8076
7.500	7.818182	19.00	26.00	0.25	24.9855
8.000	8.272727	20.00	34.00	0.50	29.8048

**B.3.2.2.3      10" Water Reflection**

Case ID: u5o2-icyl-0050-10

Material: UO<sub>2</sub>

Geometry: Cylinder

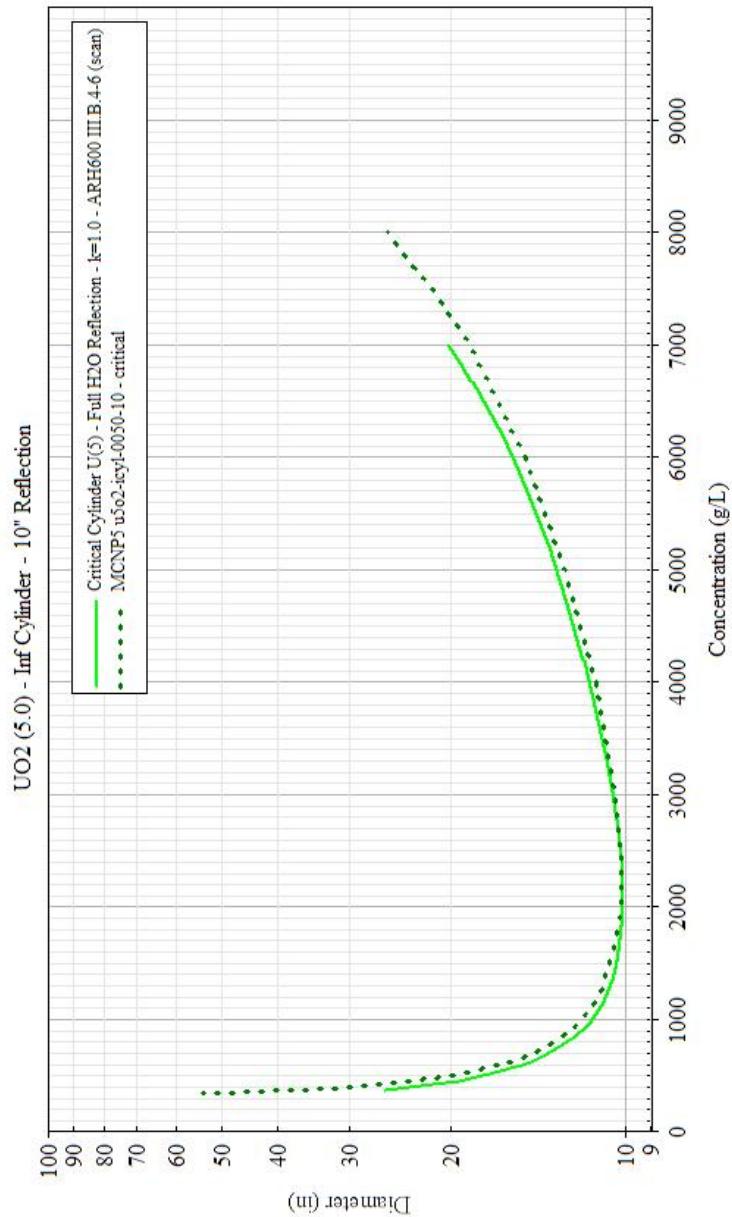
Isotopes: 5% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.2.3-1 UO<sub>2</sub> Cylinder - 5% 235U – 10" Water Reflection**

**Table B. 3.2.2.3-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 5% 235U – 10” Water Reflection**

5% U235 UO <sub>2</sub> Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	20.00	60.00	2.00	53.8261
0.400	1.363636	21.00	31.00	0.50	30.2703
0.500	1.454545	15.00	21.00	0.25	19.9705
0.650	1.590909	12.70	15.40	0.10	15.2478
0.800	1.727273	11.00	14.00	0.10	13.2299
0.900	1.818182	10.70	13.00	0.10	12.4516
1.000	1.909091	10.00	12.20	0.10	11.8629
1.200	2.090909	9.00	11.20	0.10	11.1035
1.500	2.363636	8.90	11.00	0.10	10.5279
1.700	2.545455	8.80	11.00	0.05	10.3062
1.900	2.727273	8.60	10.50	0.10	10.1807
2.000	2.818182	8.70	10.50	0.05	10.1193
2.100	2.909091	8.60	10.30	0.05	10.1459
2.500	3.272727	8.60	11.00	0.10	10.1758
3.000	3.727273	8.80	11.00	0.10	10.3895
4.000	4.636364	9.00	12.00	0.10	11.2303
5.000	5.545455	10.00	13.00	0.10	12.6891
6.000	6.454545	11.90	16.10	0.20	14.8549
7.000	7.363636	14.00	20.00	0.25	18.4943
7.500	7.818182	15.00	23.00	0.25	21.4672
8.000	8.272727	18.00	28.00	0.25	25.7820

**B.3.2.3      4%  $^{235}\text{U}$**

**B.3.2.3.1    0" Water Reflection**

Case ID: u5o2-icyl-0040-00

Material: UO<sub>2</sub>

Geometry: Cylinder

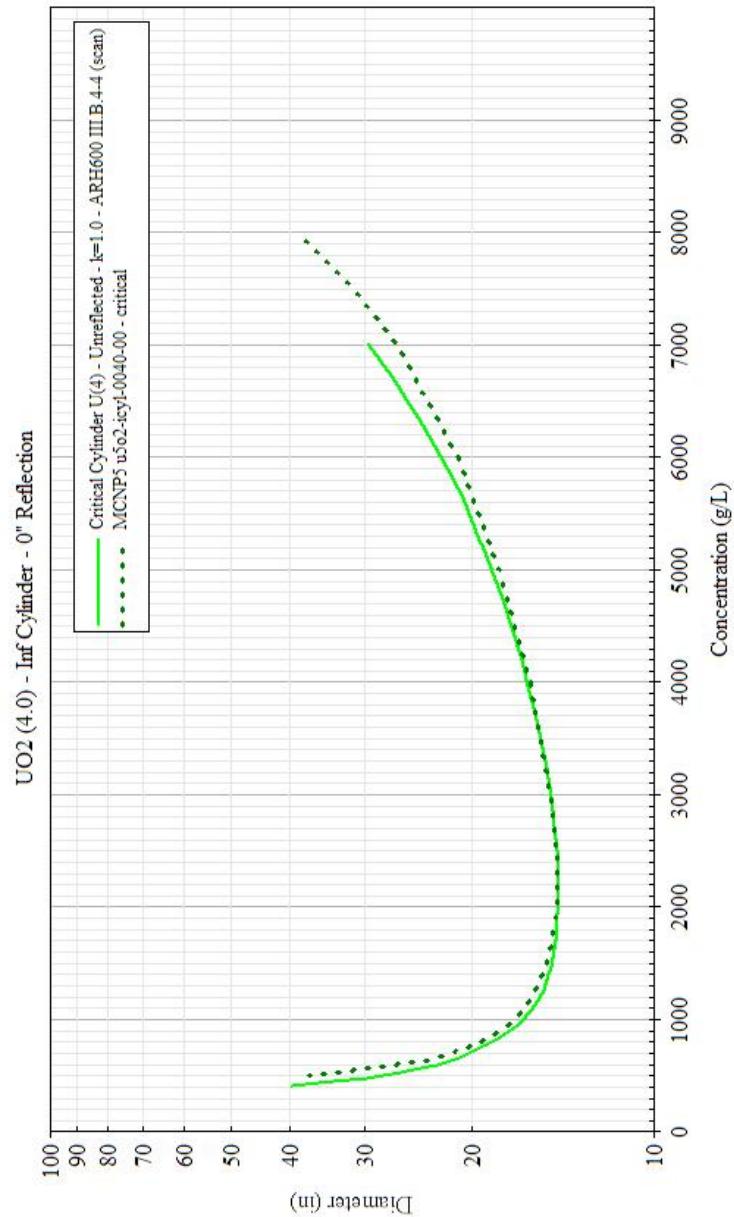
Isotopes: 4%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.3.1-1 UO<sub>2</sub> Cylinder - 4% 235U – 0” Water Reflection**

**Table B. 3.2.3.1-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 4% 235U – 0" Water Reflection**

4% U235 UO <sub>2</sub> Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.500	1.454545	24.00	41.00	0.75	37.2381
0.650	1.590909	19.00	26.00	0.20	23.2337
0.800	1.727273	16.00	20.10	0.20	19.3010
0.900	1.818182	15.40	18.10	0.10	17.9226
1.000	1.909091	14.00	18.00	0.20	16.9941
1.200	2.090909	14.00	16.00	0.10	15.8326
1.500	2.363636	13.00	16.00	0.10	14.9706
1.700	2.545455	12.70	15.00	0.10	14.6395
1.900	2.727273	12.70	15.00	0.10	14.5038
2.000	2.818182	12.70	15.30	0.10	14.4481
2.100	2.909091	12.60	16.00	0.20	14.4192
2.500	3.272727	12.70	15.00	0.10	14.4574
3.000	3.727273	13.30	15.00	0.10	14.7753
4.000	4.636364	14.00	16.20	0.10	16.0039
5.000	5.545455	15.80	18.20	0.10	17.9325
6.000	6.454545	17.00	23.00	0.25	20.9986
7.000	7.363636	20.00	28.00	0.25	26.3815
7.500	7.818182	23.00	37.00	0.50	31.0692
8.000	8.272727	27.00	42.00	0.50	38.6551

**B.3.2.3.2 1" Water Reflection**

Case ID: u5o2-icyl-0040-01

Material: UO<sub>2</sub>

Geometry: Cylinder

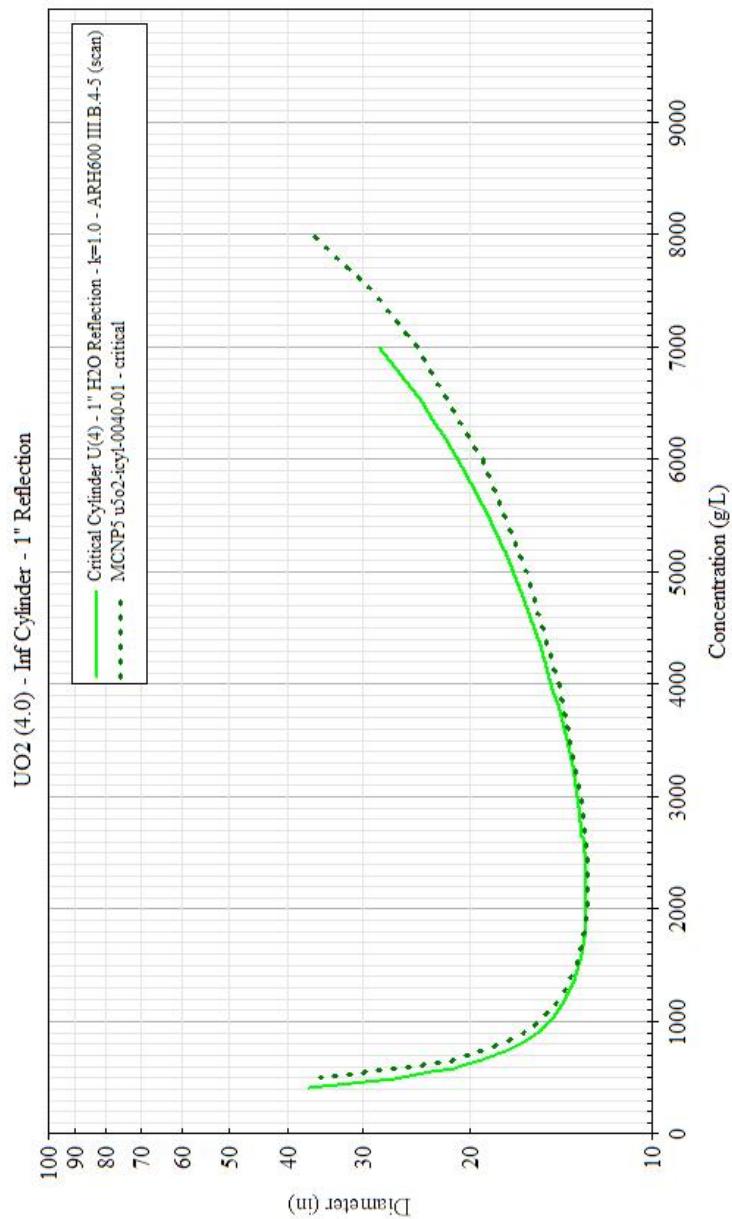
Isotopes: 4% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.3.2-1 UO<sub>2</sub> Cylinder - 4% 235U – 1" Water Reflection**

**Table B. 3.2.3.2-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 4% 235U – 1" Water Reflection**

4% U235 UO <sub>2</sub> Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.500	1.454545	24.00	36.50	0.50	35.4145
0.650	1.590909	17.40	22.00	0.20	21.6661
0.800	1.727273	14.80	18.00	0.10	17.7137
0.900	1.818182	13.90	17.00	0.10	16.3250
1.000	1.909091	12.90	16.00	0.10	15.3883
1.200	2.090909	12.00	15.00	0.10	14.1896
1.500	2.363636	11.70	13.50	0.10	13.2955
1.700	2.545455	11.00	13.10	0.10	12.9757
1.900	2.727273	11.00	13.00	0.10	12.8251
2.000	2.818182	11.00	14.00	0.10	12.7664
2.100	2.909091	11.00	13.20	0.10	12.7074
2.500	3.272727	11.00	13.20	0.10	12.7335
3.000	3.727273	11.00	13.50	0.10	13.0444
4.000	4.636364	12.00	14.20	0.10	14.1827
5.000	5.545455	13.00	17.00	0.20	16.0434
6.000	6.454545	15.00	21.00	0.20	19.0444
7.000	7.363636	18.00	28.00	0.25	24.3178
7.500	7.818182	20.00	35.00	0.50	28.8072
8.000	8.272727	24.00	37.00	0.50	36.3839

**B.3.2.3.3      10" Water Reflection**

Case ID: u5o2-icyl-0040-10

Material: UO<sub>2</sub>

Geometry: Cylinder

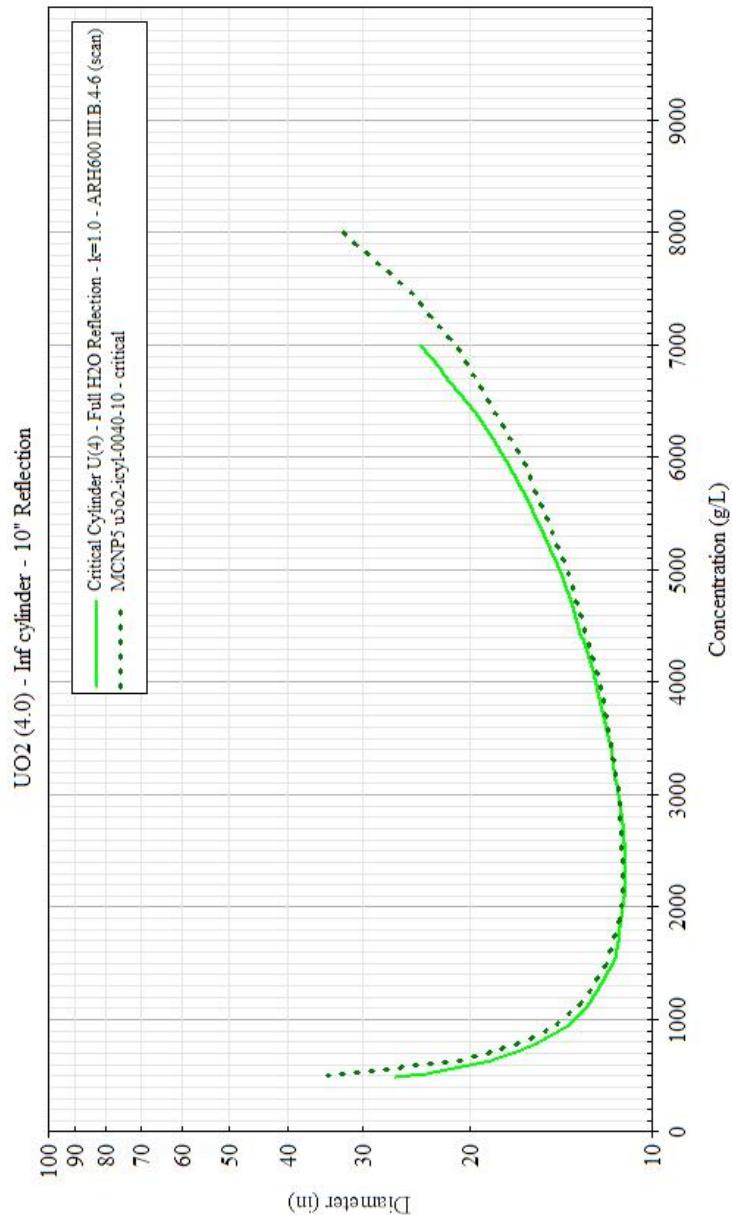
Isotopes: 4% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.3.3-1 UO<sub>2</sub> Cylinder - 4% 235U – 10" Water Reflection**

**Table B. 3.2.3.3-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 4% 235U – 10” Water Reflection**

4% U235 UO <sub>2</sub> Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.500	1.454545	23.00	35.00	0.50	34.3725
0.650	1.590909	16.00	21.00	0.25	20.3882
0.800	1.727273	13.40	16.80	0.20	16.4398
0.900	1.818182	12.60	15.30	0.10	15.0035
1.000	1.909091	11.00	15.00	0.20	14.0547
1.200	2.090909	10.00	13.00	0.10	12.8266
1.500	2.363636	9.90	12.30	0.10	11.8618
1.700	2.545455	9.70	12.00	0.10	11.5270
1.900	2.727273	9.60	12.00	0.10	11.3100
2.000	2.818182	9.00	11.50	0.10	11.2253
2.100	2.909091	9.50	11.50	0.10	11.1631
2.500	3.272727	9.00	11.50	0.10	11.1282
3.000	3.727273	9.00	11.50	0.10	11.2501
4.000	4.636364	10.00	13.00	0.10	12.1282
5.000	5.545455	11.00	14.00	0.10	13.7179
6.000	6.454545	13.00	17.00	0.20	16.3490
7.000	7.363636	15.00	22.00	0.25	21.0555
7.500	7.818182	18.00	27.00	0.25	25.1855
8.000	8.272727	20.00	35.00	0.50	32.3782

**B.3.2.4      3%  $^{235}\text{U}$**

**B.3.2.4.1    0" Water Reflection**

Case ID: u5o2-icyl-0030-00

Material: UO<sub>2</sub>

Geometry: Cylinder

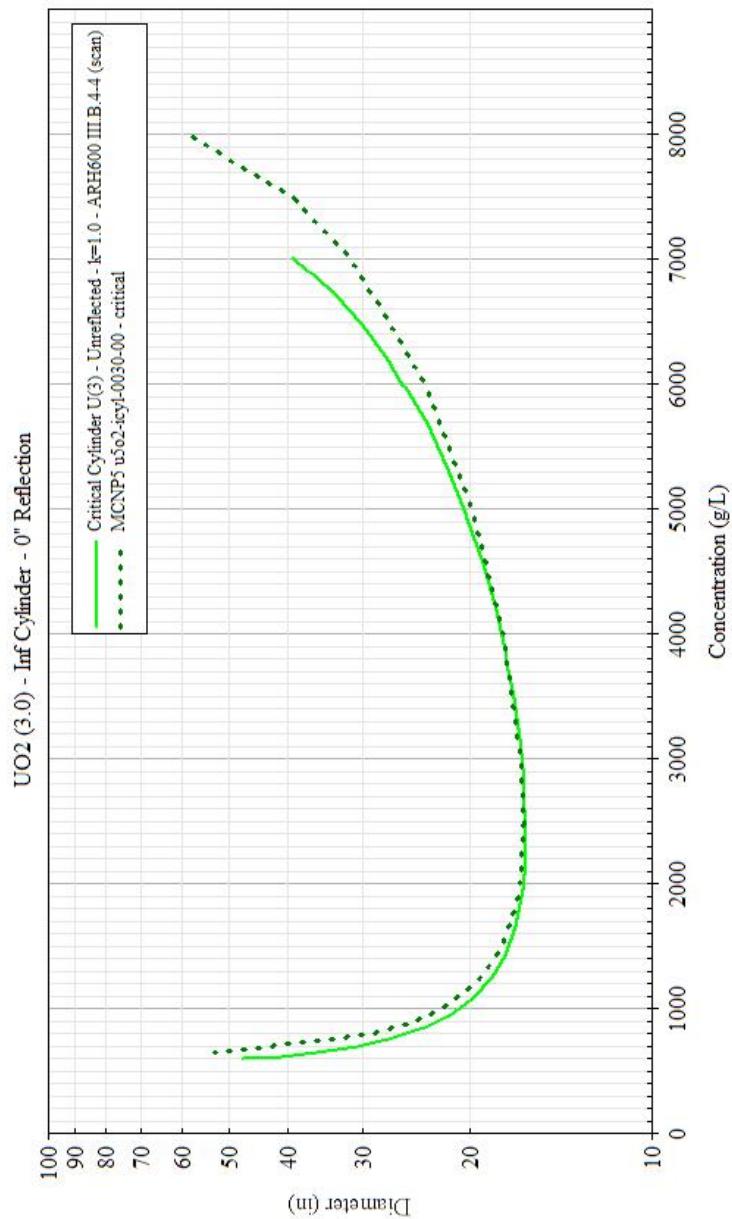
Isotopes: 3%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.4.1-1 UO<sub>2</sub> Cylinder - 3% 235U – 0" Water Reflection**

**Table B. 3.2.4.1-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 3% 235U – 0" Water Reflection**

3% U235 UO <sub>2</sub> Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.650	1.590909	30.00	55.00	1.00	52.9064
0.800	1.727273	20.00	32.00	0.50	29.1018
0.900	1.818182	20.00	25.40	0.20	24.9140
1.000	1.909091	17.00	24.00	0.25	22.3975
1.200	2.090909	16.00	20.00	0.05	19.5463
1.500	2.363636	14.90	19.00	0.20	17.6860
1.700	2.545455	14.00	18.00	0.20	17.0869
1.900	2.727273	14.00	17.00	0.10	16.6479
2.000	2.818182	14.00	17.00	0.10	16.4986
2.100	2.909091	14.00	17.00	0.10	16.4264
2.500	3.272727	14.00	17.00	0.10	16.2098
3.000	3.727273	14.00	18.00	0.20	16.3970
4.000	4.636364	15.00	18.20	0.20	17.5878
5.000	5.545455	16.80	21.00	0.20	19.7728
6.000	6.454545	19.00	25.00	0.25	23.6456
7.000	7.363636	23.00	34.00	0.50	31.2612
7.500	7.818182	28.00	42.00	0.50	39.0993
8.000	8.272727	30.00	70.00	2.00	58.3804

**B.3.2.4.2 1" Water Reflection**

Case ID: u5o2-icyl-0030-01

Material: UO<sub>2</sub>

Geometry: Cylinder

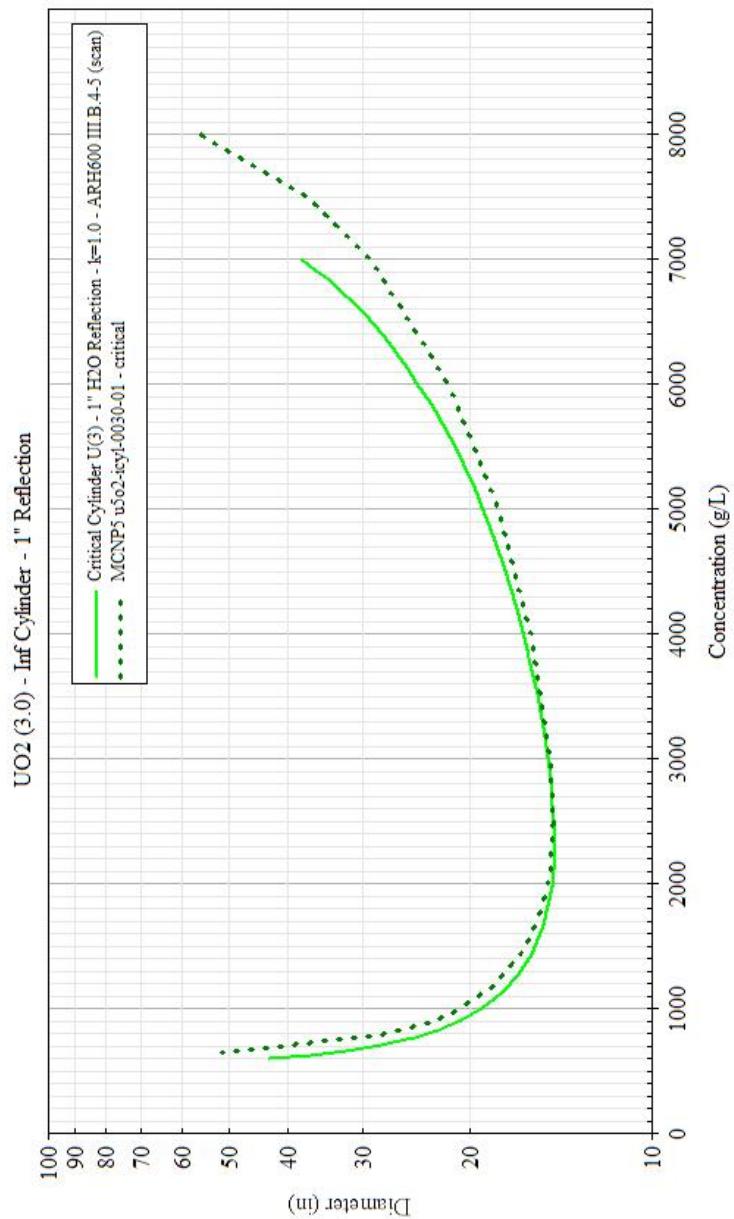
Isotopes: 3% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.4.2-1 UO<sub>2</sub> Cylinder - 3% 235U – 1" Water Reflection**

**Table B. 3.2.4.2-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 3% 235U – 1" Water Reflection**

3% U235 UO <sub>2</sub> Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.650	1.590909	28.00	54.00	1.00	51.5972
0.800	1.727273	20.00	33.00	0.50	27.6453
0.900	1.818182	18.00	24.00	0.20	23.2504
1.000	1.909091	16.00	22.00	0.25	20.7798
1.200	2.090909	14.00	20.00	0.25	18.0264
1.500	2.363636	13.70	17.00	0.20	16.1011
1.700	2.545455	12.80	16.20	0.20	15.4043
1.900	2.727273	12.80	15.20	0.10	15.0171
2.000	2.818182	12.00	15.40	0.10	14.8333
2.100	2.909091	12.00	15.10	0.10	14.6978
2.500	3.272727	12.00	16.00	0.20	14.5154
3.000	3.727273	12.00	15.20	0.10	14.6654
4.000	4.636364	13.00	17.00	0.20	15.7747
5.000	5.545455	14.00	20.00	0.25	17.8996
6.000	6.454545	17.00	23.00	0.25	21.6573
7.000	7.363636	20.00	31.00	0.50	29.1015
7.500	7.818182	26.50	37.50	0.50	36.8669
8.000	8.272727	33.00	57.00	1.00	55.6008

**B.3.2.4.3      10" Water Reflection**

Case ID: u5o2-icyl-0030-10

Material: UO<sub>2</sub>

Geometry: Cylinder

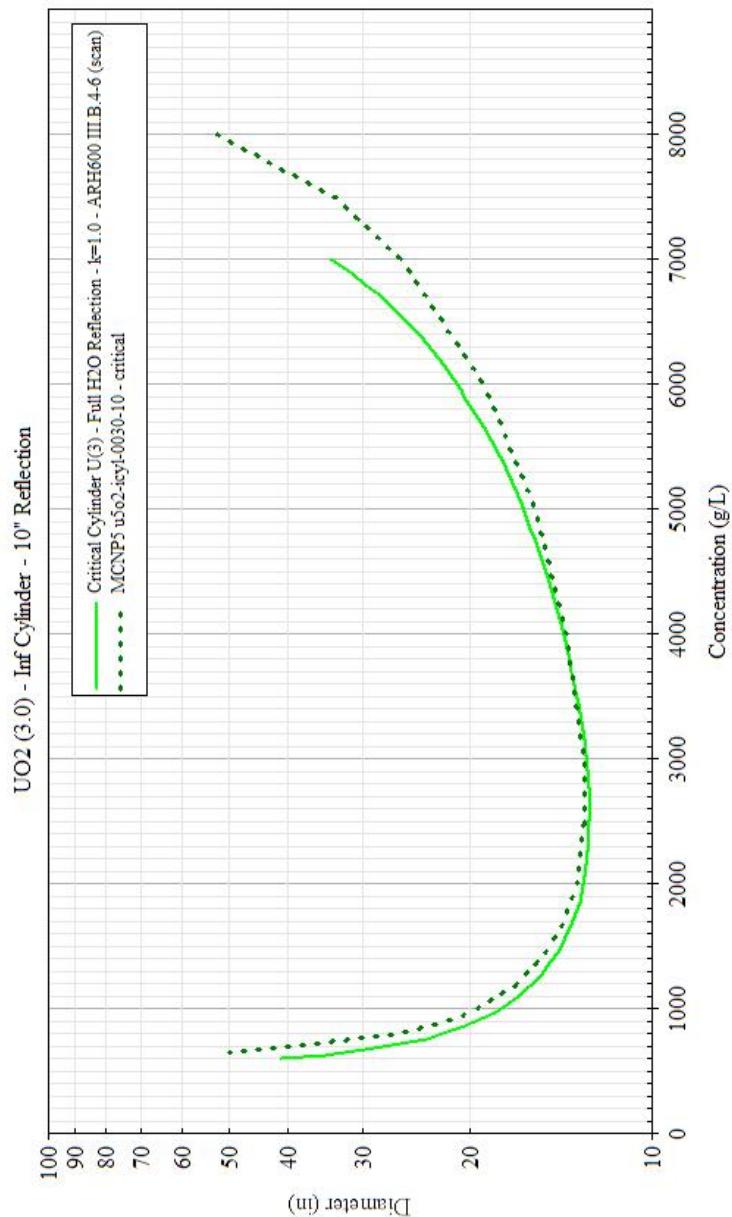
Isotopes: 3% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.4.3-1 UO<sub>2</sub> Cylinder - 3% 235U – 10" Water Reflection**

**Table B. 3.2.4.3-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 3% 235U – 10” Water Reflection**

3% U235 UO <sub>2</sub> Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.650	1.590909	27.00	52.00	1.00	50.0936
0.800	1.727273	18.00	30.00	0.50	26.3494
0.900	1.818182	15.00	22.00	0.25	21.9224
1.000	1.909091	14.00	20.00	0.25	19.4493
1.200	2.090909	13.80	17.00	0.10	16.6767
1.500	2.363636	11.90	16.00	0.20	14.6848
1.700	2.545455	11.60	14.30	0.10	13.9467
1.900	2.727273	11.00	14.10	0.20	13.4658
2.000	2.818182	11.00	14.00	0.10	13.2967
2.100	2.909091	10.90	14.00	0.10	13.1733
2.500	3.272727	10.70	13.40	0.10	12.9347
3.000	3.727273	10.70	14.00	0.20	12.9074
4.000	4.636364	11.00	15.20	0.20	13.7708
5.000	5.545455	12.00	17.00	0.20	15.5584
6.000	6.454545	14.00	20.00	0.25	18.9221
7.000	7.363636	19.50	26.00	0.25	25.8861
7.500	7.818182	23.00	34.00	0.50	33.2320
8.000	8.272727	27.00	60.00	1.00	52.3821

**B.3.2.5      2.5%  $^{235}\text{U}$**

**B.3.2.5.1    0" Water Reflection**

Case ID: u5o2-icyl-0025-00

Material: UO<sub>2</sub>

Geometry: Cylinder

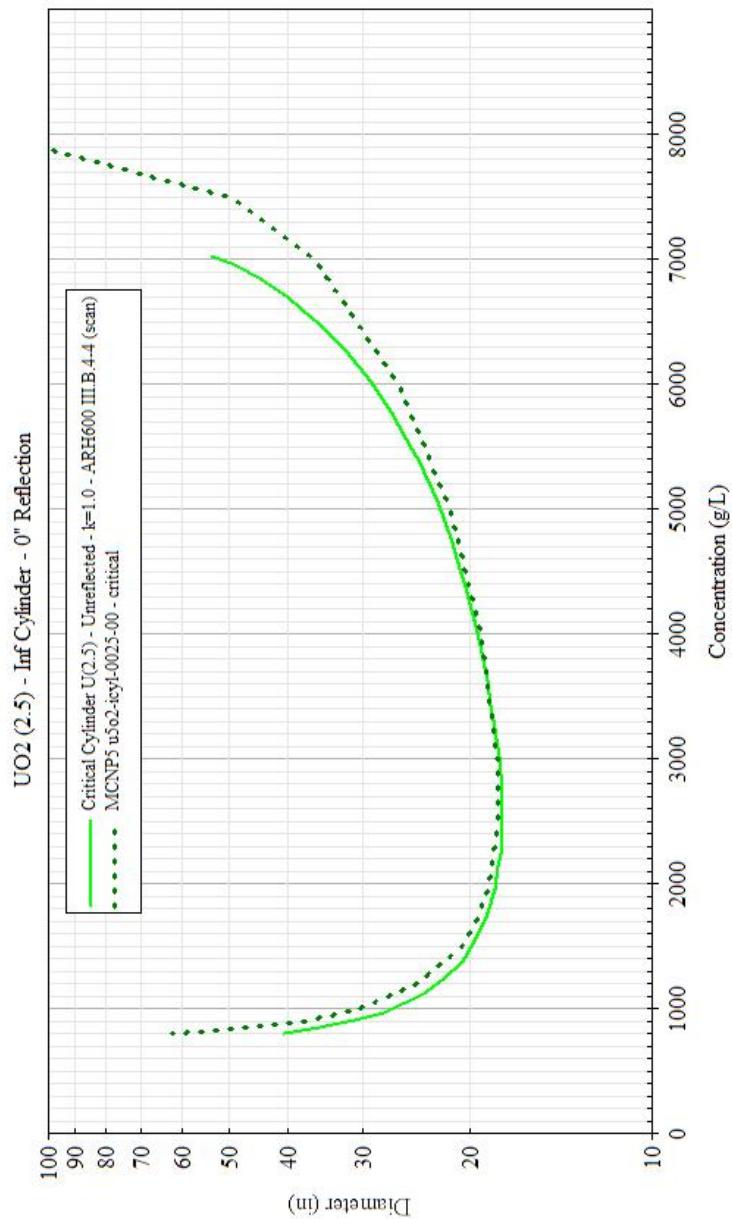
Isotopes: 2.5%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.5.1-1 UO<sub>2</sub> Cylinder - 2.5% 235U – 0" Water Reflection**

**Table B. 3.2.5.1-1Critical Dimensions for UO<sub>2</sub> Cylinder - 2.5% 235U – 0” Water Reflection**

2.5% U235 UO <sub>2</sub> Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.800	1.727273	32.00	64.00	1.00	62.1846
0.900	1.818182	26.00	40.00	0.50	37.9914
1.000	1.909091	20.00	34.00	0.50	30.3842
1.200	2.090909	19.50	25.00	0.25	24.3774
1.500	2.363636	16.00	22.00	0.25	20.7004
1.700	2.545455	16.00	20.00	0.20	19.5329
1.900	2.727273	15.00	20.00	0.20	18.8099
2.000	2.818182	15.00	20.00	0.20	18.5548
2.100	2.909091	15.00	19.00	0.20	18.3506
2.500	3.272727	15.60	18.00	0.10	17.9214
3.000	3.727273	15.00	19.00	0.20	17.9856
4.000	4.636364	16.50	19.20	0.10	19.0652
5.000	5.545455	18.00	23.00	0.20	21.5048
6.000	6.454545	20.00	28.00	0.25	26.0886
7.000	7.363636	26.00	40.00	0.50	36.0695
7.500	7.818182	30.00	60.00	1.00	49.2865
8.000	8.272727	40.00	130.00	5.00	124.0262

**B.3.2.5.2 1" Water Reflection**

Case ID: u5o2-icyl-0025-01

Material: UO<sub>2</sub>

Geometry: Cylinder

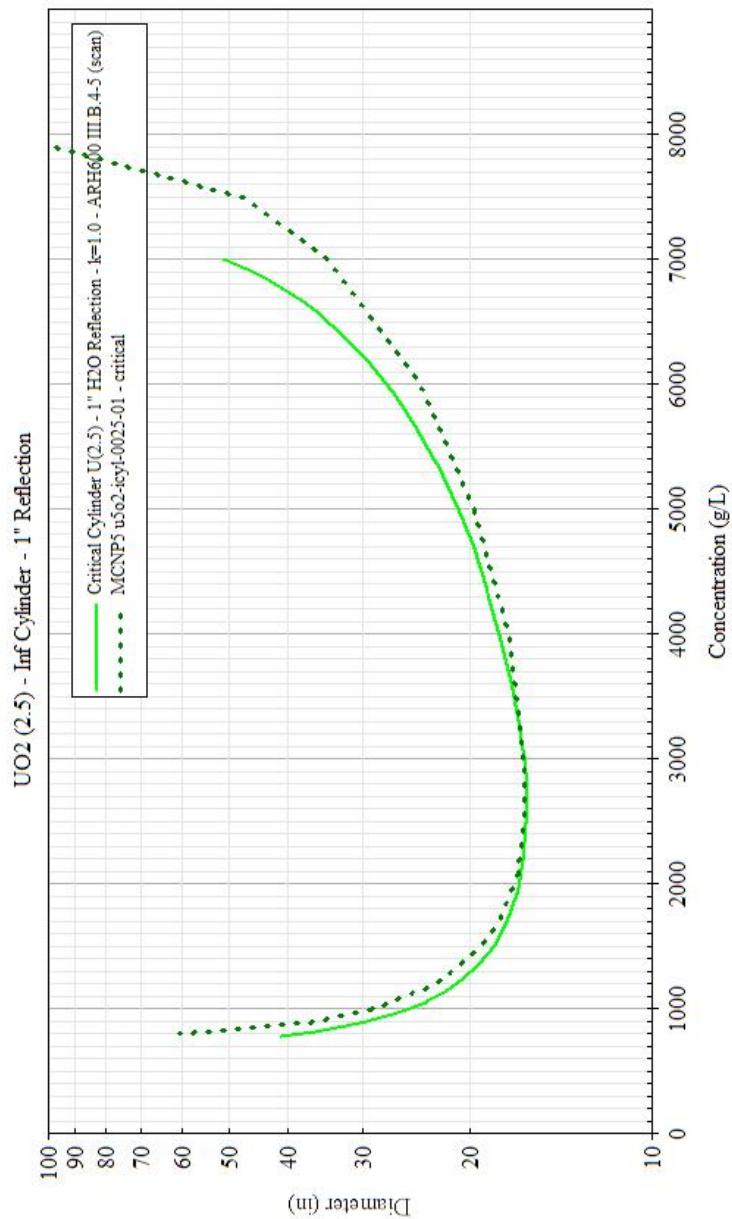
Isotopes: 2.5% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.5.2-1 UO<sub>2</sub> Cylinder - 2.5% 235U – 1" Water Reflection**

**Table B. 3.2.5.2-1Critical Dimensions for UO<sub>2</sub> Cylinder - 2.5% 235U – 1” Water Reflection**

2.5% U235 UO <sub>2</sub> Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.800	1.727273	20.00	80.00	2.50	60.4880
0.900	1.818182	25.00	38.00	0.50	36.3712
1.000	1.909091	20.00	31.00	0.50	28.9413
1.200	2.090909	18.00	24.00	0.25	22.7697
1.500	2.363636	15.00	19.20	0.20	19.1049
1.700	2.545455	14.00	18.20	0.20	17.8950
1.900	2.727273	14.00	19.00	0.20	17.1670
2.000	2.818182	13.90	18.00	0.20	16.9116
2.100	2.909091	13.90	17.10	0.20	16.6419
2.500	3.272727	13.00	17.00	0.20	16.2086
3.000	3.727273	13.00	17.00	0.20	16.2207
4.000	4.636364	14.00	18.00	0.20	17.1793
5.000	5.545455	16.40	20.00	0.20	19.6077
6.000	6.454545	19.00	26.00	0.25	23.9714
7.000	7.363636	24.00	37.00	0.50	34.1654
7.500	7.818182	30.00	50.00	1.00	47.1135
8.000	8.272727	40.00	130.00	5.00	115.8335

**B.3.2.5.3      10" Water Reflection**

Case ID: u5o2-icyl-0025-10

Material: UO<sub>2</sub>

Geometry: Cylinder

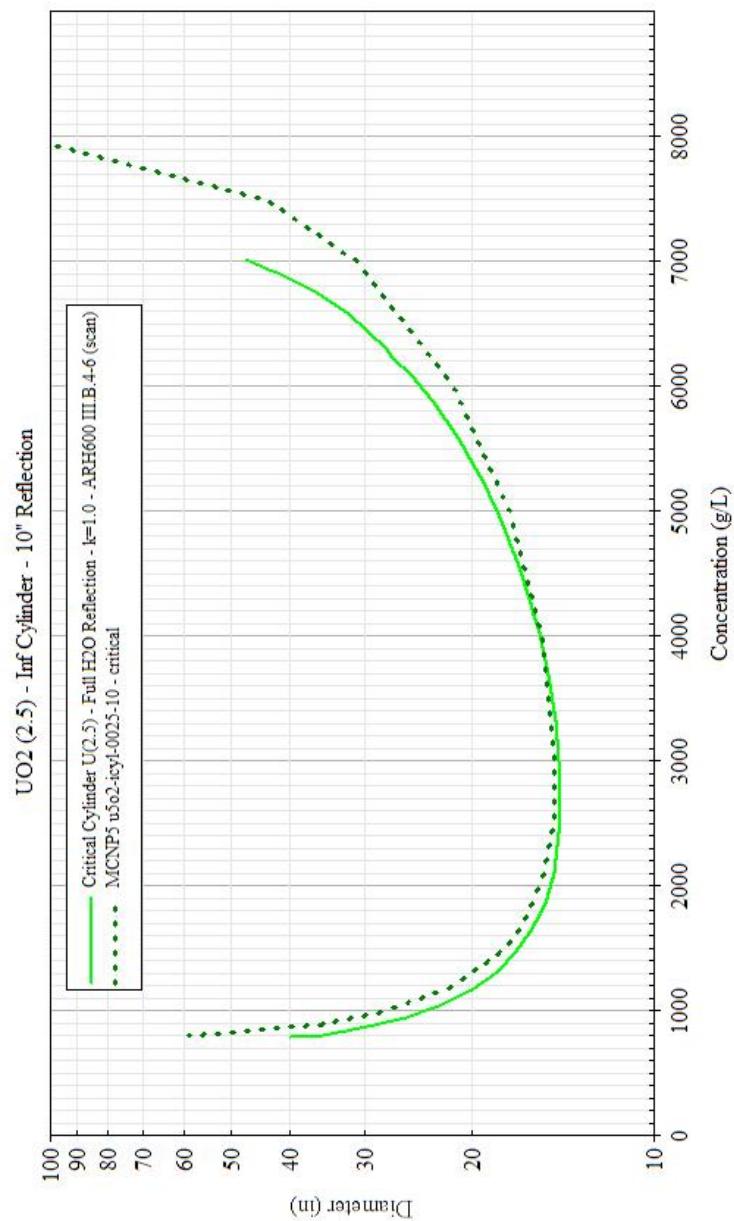
Isotopes: 2.5% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.5.3-1 UO<sub>2</sub> Cylinder - 2.5% 235U – 10" Water Reflection**

**Table B. 3.2.5.3-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 2.5% 235U – 10” Water Reflection**

2.5% U235 UO <sub>2</sub> Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.800	1.727273	20.00	80.00	2.50	58.9273
0.900	1.818182	23.00	37.00	0.50	35.1201
1.000	1.909091	19.00	30.00	0.50	27.8157
1.200	2.090909	16.60	22.00	0.20	21.4068
1.500	2.363636	14.00	18.10	0.20	17.6848
1.700	2.545455	13.00	17.10	0.20	16.4542
1.900	2.727273	12.00	17.00	0.20	15.6989
2.000	2.818182	12.00	17.00	0.20	15.4005
2.100	2.909091	12.00	16.20	0.20	15.1446
2.500	3.272727	11.00	16.00	0.20	14.6302
3.000	3.727273	11.80	16.00	0.20	14.5097
4.000	4.636364	12.00	17.00	0.20	15.2814
5.000	5.545455	13.00	20.00	0.25	17.2902
6.000	6.454545	16.00	22.00	0.25	21.3785
7.000	7.363636	20.00	35.00	0.50	30.9468
7.500	7.818182	25.00	50.00	1.00	43.5465
8.000	8.272727	35.00	120.00	2.50	112.1760

**B.3.2.6      1.3%  $^{235}\text{U}$**

**B.3.2.6.1    0" Water Reflection**

Case ID: u5o2-icyl-0013-00

Material: UO<sub>2</sub>

Geometry: Cylinder

Isotopes: 1.3%  $^{235}\text{U}$

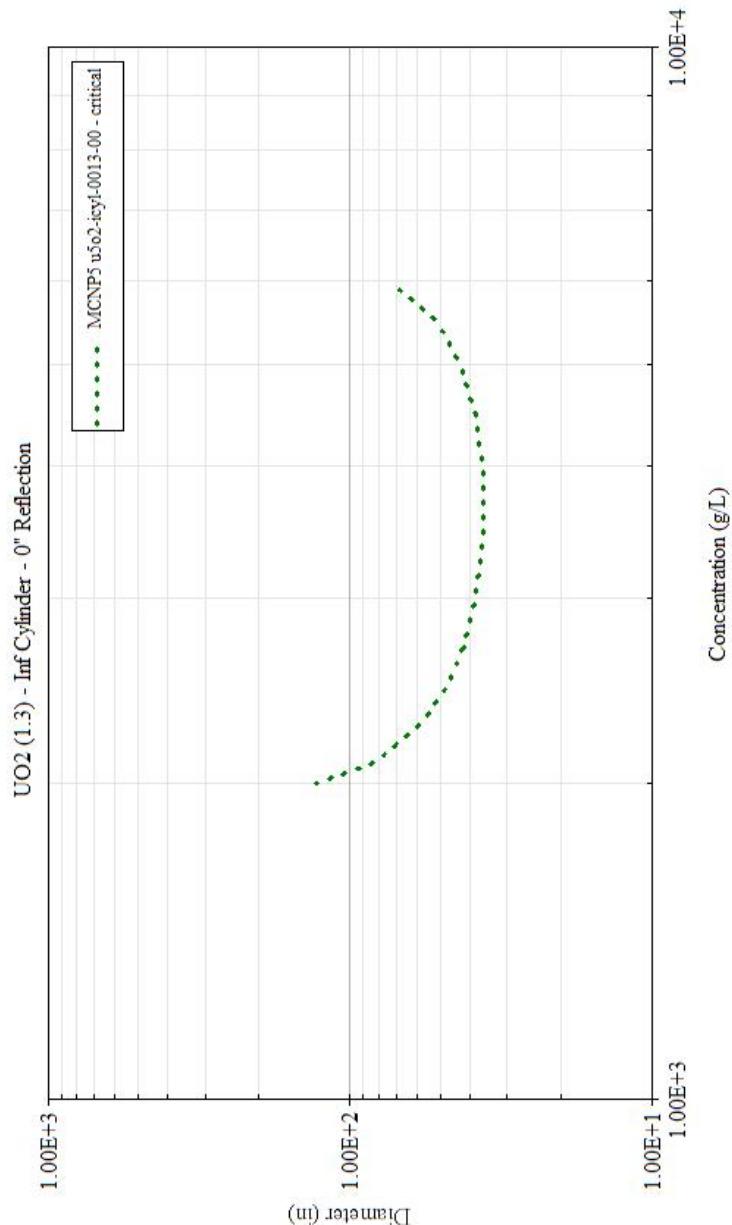
Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.6.1-1 UO<sub>2</sub> Cylinder - 1.3% 235U – 0" Water Reflection**



**Table B. 3.2.6.1-1Critical Dimensions for UO<sub>2</sub> Cylinder - 1.3% 235U – 0” Water Reflection**

1.3% U235 UO <sub>2</sub> Cylinder - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	35.00	150.00	5.00	129.9624
2.100	2.909091	34.00	84.00	2.00	82.0779
2.300	3.090909	28.00	60.00	2.00	56.1682
2.500	3.272727	28.00	60.00	1.00	46.4889
2.700	3.454545	28.00	44.00	1.00	41.5703
3.000	3.727273	26.00	40.00	0.50	37.9865
3.500	4.181818	26.00	40.00	0.50	35.7577
4.000	4.636364	24.00	40.00	0.50	36.1469
4.500	5.090909	24.00	40.00	0.50	38.1673
5.000	5.545455	27.00	46.00	0.75	42.4952
5.500	6.000000	32.00	52.00	1.00	50.9591
6.000	6.454545	36.00	76.00	2.00	73.3953

**B.3.2.6.2      1" Water Reflection**

Case ID: u5o2-icyl-0013-01

Material: UO<sub>2</sub>

Geometry: Cylinder

Isotopes: 1.3% <sup>235</sup>U

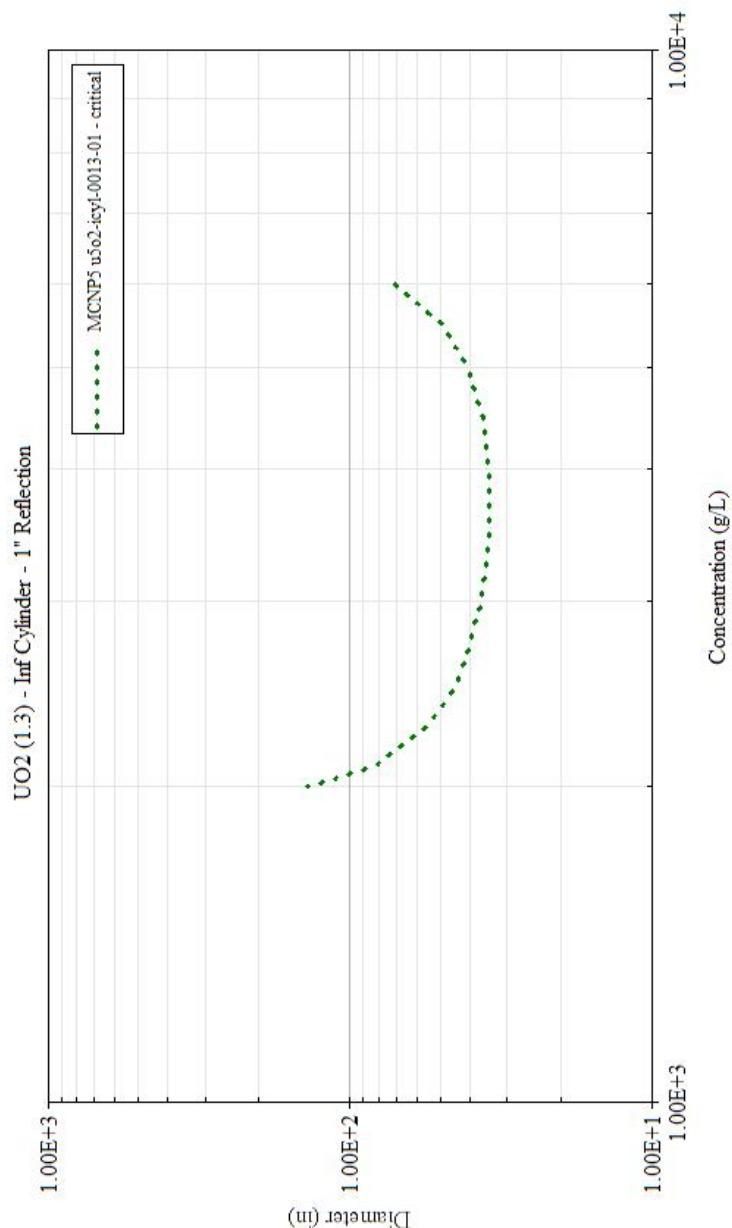
Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.6.2-1 UO<sub>2</sub> Cylinder - 1.3% 235U – 1" Water Reflection**



**Table B. 3.2.6.2-1Critical Dimensions for UO<sub>2</sub> Cylinder - 1.3% 235U – 1” Water Reflection**

1.3% U235 UO <sub>2</sub> Cylinder - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	30.00	140.00	5.00	138.6765
2.100	2.909091	32.00	86.00	2.00	80.8219
2.300	3.090909	26.00	58.00	1.00	54.1802
2.500	3.272727	25.00	53.00	1.00	44.2903
2.700	3.454545	20.00	42.00	1.00	40.1750
3.000	3.727273	24.00	38.00	0.50	36.5488
3.500	4.181818	20.00	35.00	0.50	33.9825
4.000	4.636364	24.00	35.00	0.50	34.3010
4.500	5.090909	24.00	40.00	0.50	36.2441
5.000	5.545455	27.00	42.00	0.50	40.5379
5.500	6.000000	27.00	52.00	1.00	49.0348
6.000	6.454545	34.00	76.00	2.00	71.0211

**B.3.2.6.3      10" Water Reflection**

Case ID: u5o2-icyl-0013-10

Material: UO<sub>2</sub>

Geometry: Cylinder

Isotopes: 1.3% <sup>235</sup>U

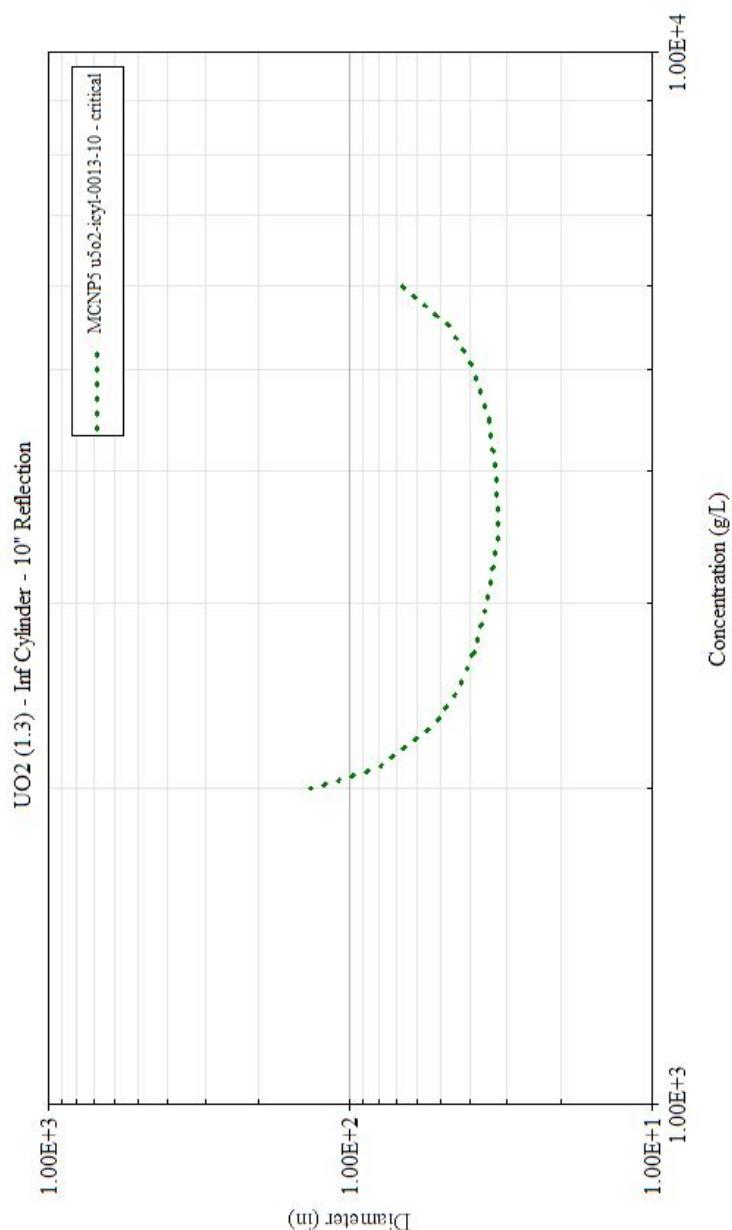
Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.2.6.3-1 UO<sub>2</sub> Cylinder - 1.3% 235U – 10” Water Reflection**



**Table B. 3.2.6.3-1 Critical Dimensions for UO<sub>2</sub> Cylinder - 1.3% 235U – 10” Water Reflection**

1.3% U235 UO <sub>2</sub> Cylinder - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	30.00	150.00	5.00	134.6428
2.100	2.909091	30.00	82.00	2.00	79.1759
2.300	3.090909	22.00	58.00	2.00	52.1925
2.500	3.272727	20.00	60.00	1.00	43.3308
2.700	3.454545	20.00	40.00	1.00	38.6079
3.000	3.727273	23.00	36.00	0.50	34.8596
3.500	4.181818	20.00	34.00	0.50	31.9725
4.000	4.636364	22.00	34.00	0.50	32.5701
4.500	5.090909	20.00	36.00	0.50	34.3790
5.000	5.545455	24.00	40.00	0.50	38.5451
5.500	6.000000	27.00	49.00	1.00	46.3587
6.000	6.454545	20.00	90.00	2.50	67.0084

**B.3.3 Plane**

**B.3.3.1 6%  $^{235}\text{U}$**

**B.3.3.1.1 0" Water Reflection**

Case ID: u5o2-pl-0060-00

Material: UO<sub>2</sub>

Geometry: Plane

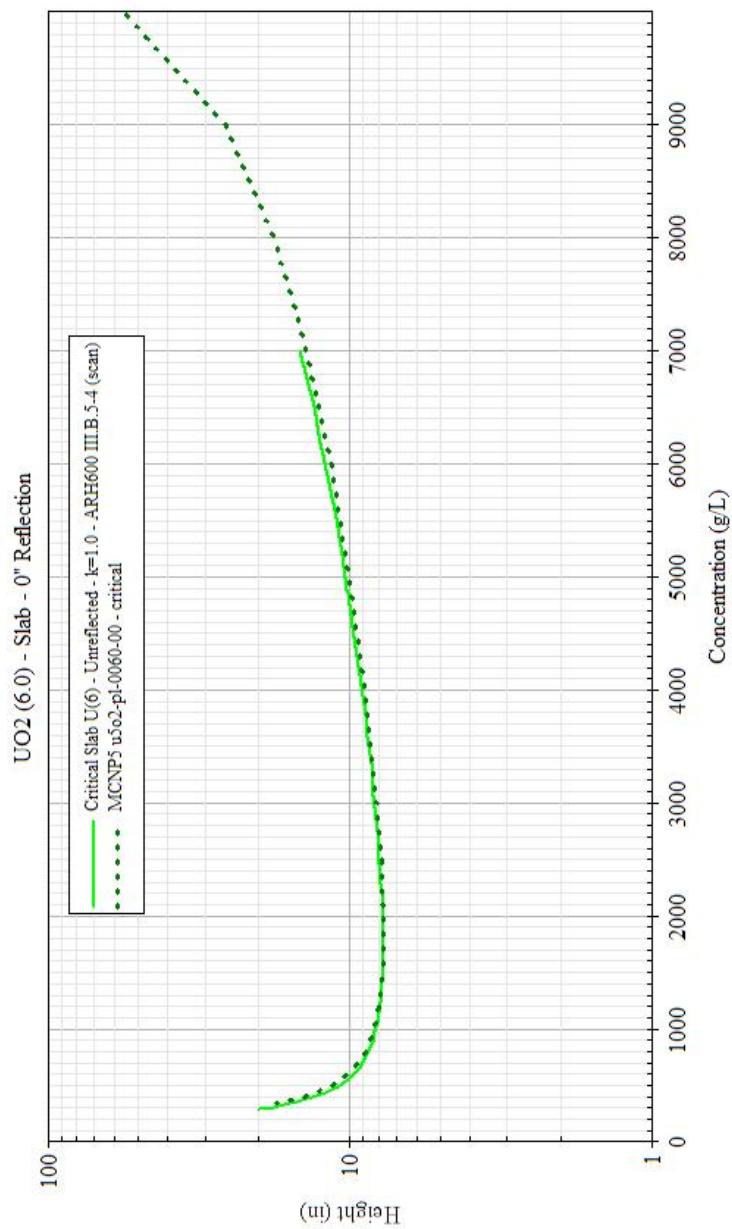
Isotopes: 6%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.1.1-1 UO<sub>2</sub> Plane - 6% 235U – 0" Water Reflection**

**Table B. 3.3.1.1-1 Critical Dimensions for UO<sub>2</sub> Plane - 6% 235U – 0" Water Reflection**

6% U235 UO <sub>2</sub> Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	13.60	18.00	0.20	17.5451
0.400	1.363636	11.00	16.00	0.20	14.2627
0.500	1.454545	9.60	11.50	0.10	11.3798
0.650	1.590909	8.40	9.80	0.05	9.6612
0.800	1.727273	7.80	9.00	0.05	8.8539
0.900	1.818182	7.50	8.70	0.05	8.5024
1.000	1.909091	7.40	8.40	0.05	8.2686
1.200	2.090909	7.00	8.00	0.05	7.9726
1.500	2.363636	7.00	7.90	0.05	7.7484
1.700	2.545455	6.80	7.80	0.05	7.7031
1.900	2.727273	7.00	7.90	0.05	7.7076
2.000	2.818182	7.00	8.20	0.05	7.7061
2.100	2.909091	7.00	8.30	0.05	7.7277
2.500	3.272727	7.10	8.00	0.05	7.8554
3.000	3.727273	7.30	8.20	0.05	8.0948
4.000	4.636364	7.70	9.00	0.05	8.8543
5.000	5.545455	8.80	10.10	0.05	9.9506
6.000	6.454545	10.00	12.00	0.10	11.4874
7.000	7.363636	11.80	14.00	0.10	13.8308
7.500	7.818182	12.80	15.80	0.10	15.4929
8.000	8.272727	14.60	18.80	0.20	17.7284
9.000	9.181818	19.00	26.00	0.25	25.5821
10.000	10.090909	24.00	60.00	2.00	55.4400

**B.3.3.1.2 1" Water Reflection**

Case ID: u5o2-pl-0060-01

Material: UO<sub>2</sub>

Geometry: Plane

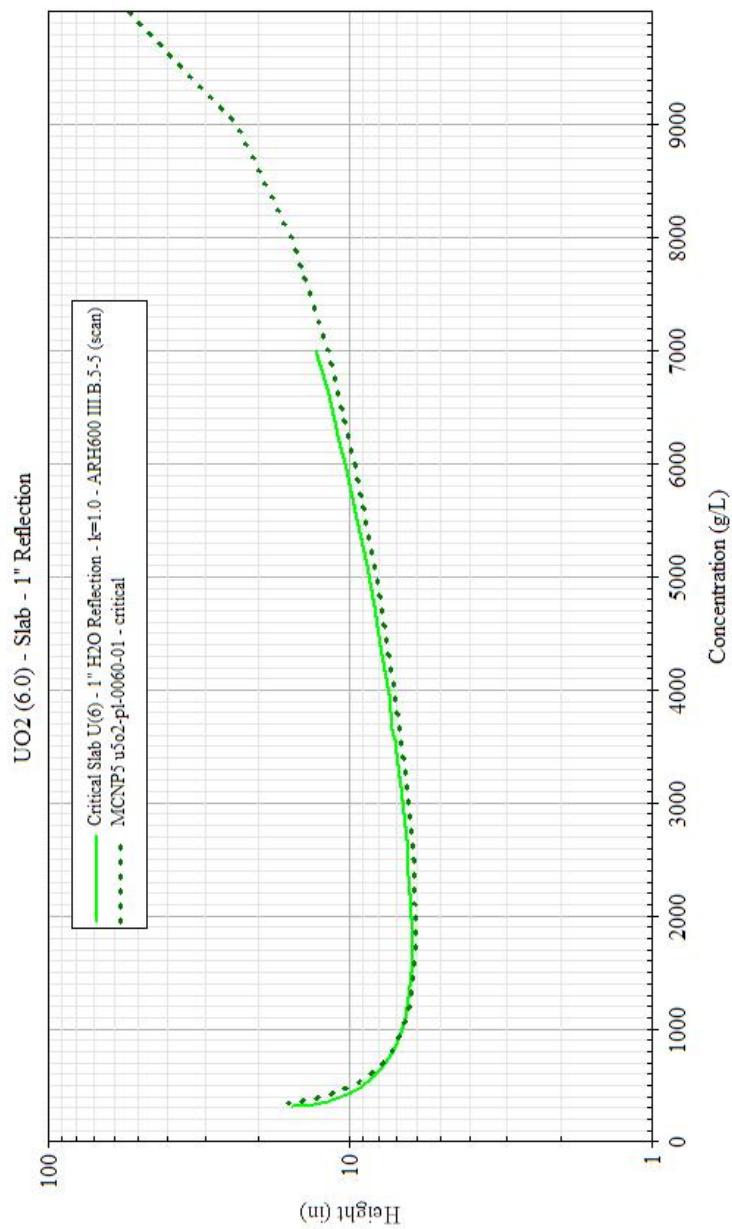
Isotopes: 6% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.1.2-1 UO<sub>2</sub> Plane - 6% 235U – 1" Water Reflection**

**Table B. 3.3.1.2-1Critical Dimensions for UO<sub>2</sub> Plane - 6% 235U – 1" Water Reflection**

6% U235 UO <sub>2</sub> Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	11.00	17.00	0.25	16.0343
0.400	1.363636	9.00	13.00	0.20	12.6577
0.500	1.454545	8.00	10.00	0.10	9.8244
0.650	1.590909	6.80	8.20	0.05	8.0764
0.800	1.727273	6.30	7.40	0.05	7.2355
0.900	1.818182	6.00	7.00	0.05	6.8886
1.000	1.909091	5.80	6.80	0.05	6.6607
1.200	2.090909	5.50	6.70	0.05	6.3328
1.500	2.363636	5.20	6.20	0.05	6.1096
1.700	2.545455	5.30	6.20	0.05	6.0422
1.900	2.727273	5.20	6.20	0.05	6.0173
2.000	2.818182	5.20	6.20	0.05	6.0335
2.100	2.909091	5.20	6.10	0.05	6.0328
2.500	3.272727	5.30	6.30	0.05	6.1335
3.000	3.727273	5.50	6.50	0.05	6.3423
4.000	4.636364	6.00	7.20	0.05	7.0405
5.000	5.545455	6.80	8.20	0.05	8.0478
6.000	6.454545	8.00	9.80	0.10	9.5197
7.000	7.363636	9.50	12.00	0.10	11.7486
7.500	7.818182	10.60	13.60	0.20	13.3859
8.000	8.272727	12.00	15.80	0.20	15.5073
9.000	9.181818	16.00	24.00	0.25	23.3687
10.000	10.090909	26.00	55.00	1.00	53.4469

**B.3.3.1.3      10" Water Reflection**

Case ID: u5o2-pl-0060-10

Material: UO<sub>2</sub>

Geometry: Plane

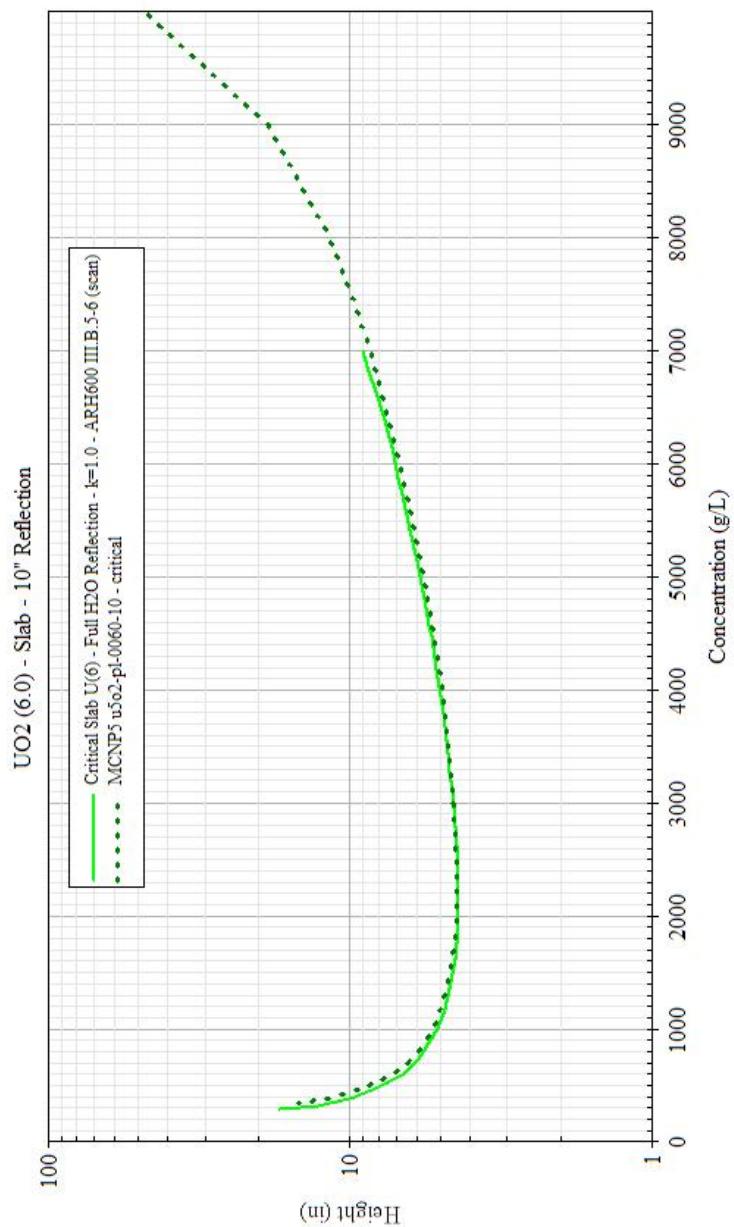
Isotopes: 6% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.1.3-1 UO<sub>2</sub> Plane - 6% 235U – 10" Water Reflection**

**Table B. 3.3.1.3-1 Critical Dimensions for UO<sub>2</sub> Plane - 6% 235U – 10” Water Reflection**

6% U235 UO <sub>2</sub> Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	10.60	15.40	0.20	14.7416
0.400	1.363636	8.80	12.80	0.20	11.4731
0.500	1.454545	7.00	8.80	0.05	8.6005
0.650	1.590909	5.60	6.90	0.05	6.7866
0.800	1.727273	4.90	6.00	0.05	5.9245
0.900	1.818182	4.60	5.90	0.05	5.5582
1.000	1.909091	4.40	5.40	0.05	5.2847
1.200	2.090909	4.00	5.00	0.05	4.9220
1.500	2.363636	3.80	4.70	0.05	4.6064
1.700	2.545455	3.70	4.60	0.05	4.4972
1.900	2.727273	3.60	4.50	0.05	4.4267
2.000	2.818182	3.60	4.50	0.05	4.3945
2.100	2.909091	3.60	4.50	0.05	4.3926
2.500	3.272727	3.60	4.50	0.05	4.3917
3.000	3.727273	3.70	4.60	0.05	4.4996
4.000	4.636364	3.80	5.00	0.05	4.9042
5.000	5.545455	4.40	5.80	0.05	5.6251
6.000	6.454545	5.20	6.90	0.10	6.7229
7.000	7.363636	6.40	9.00	0.10	8.4730
7.500	7.818182	7.20	10.20	0.10	9.8276
8.000	8.272727	8.00	12.00	0.20	11.5960
9.000	9.181818	10.00	22.00	0.50	18.4826
10.000	10.090909	18.00	52.00	1.00	47.4016

**B.3.3.2        5%  $^{235}\text{U}$**

**B.3.3.2.1      0" Water Reflection**

Case ID: u5o2-pl-0050-00

Material: UO<sub>2</sub>

Geometry: Plane

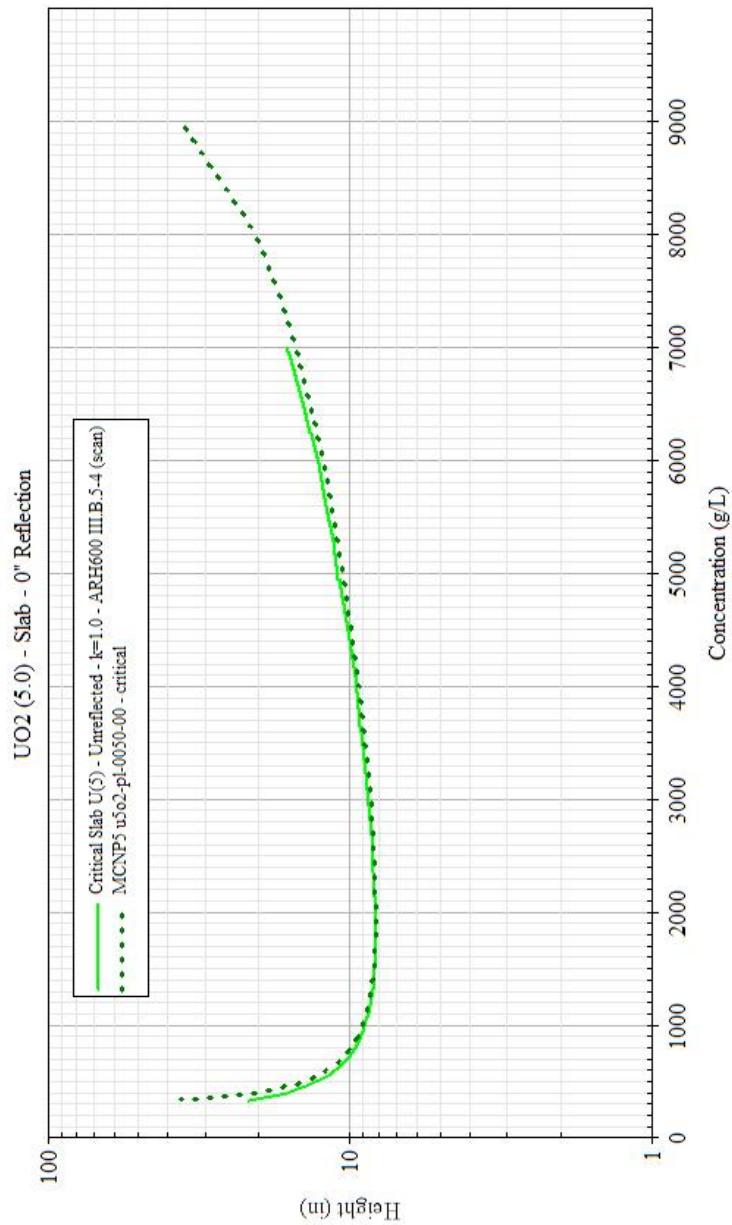
Isotopes: 5%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.2.1-1 UO<sub>2</sub> Plane - 5% 235U – 0" Water Reflection**

**Table B. 3.3.2.1-1 Critical Dimensions for UO<sub>2</sub> Plane - 5% 235U – 0" Water Reflection**

5% U235 UO <sub>2</sub> Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	18.00	40.00	1.00	36.2181
0.400	1.363636	14.00	24.00	0.50	20.8490
0.500	1.454545	11.60	14.40	0.10	14.1691
0.650	1.590909	9.00	11.20	0.10	11.1625
0.800	1.727273	8.50	10.50	0.10	9.8900
0.900	1.818182	8.00	10.00	0.10	9.3924
1.000	1.909091	8.00	9.20	0.05	9.0475
1.200	2.090909	7.50	8.80	0.05	8.5937
1.500	2.363636	7.30	8.50	0.05	8.2677
1.700	2.545455	7.20	8.30	0.05	8.1791
1.900	2.727273	7.30	8.30	0.05	8.1376
2.000	2.818182	7.30	8.30	0.05	8.1263
2.100	2.909091	7.30	8.30	0.05	8.1333
2.500	3.272727	7.40	8.40	0.05	8.2269
3.000	3.727273	7.60	8.60	0.05	8.4666
4.000	4.636364	8.20	9.30	0.05	9.2420
5.000	5.545455	9.00	11.00	0.10	10.4173
6.000	6.454545	10.40	13.60	0.20	12.1423
7.000	7.363636	12.40	15.20	0.10	14.8976
7.500	7.818182	14.00	18.00	0.20	17.0583
8.000	8.272727	16.00	21.00	0.20	20.2176
9.000	9.181818	22.00	40.00	1.00	35.7746

**B.3.3.2.2 1" Water Reflection**

Case ID: u5o2-pl-0050-01

Material: UO<sub>2</sub>

Geometry: Plane

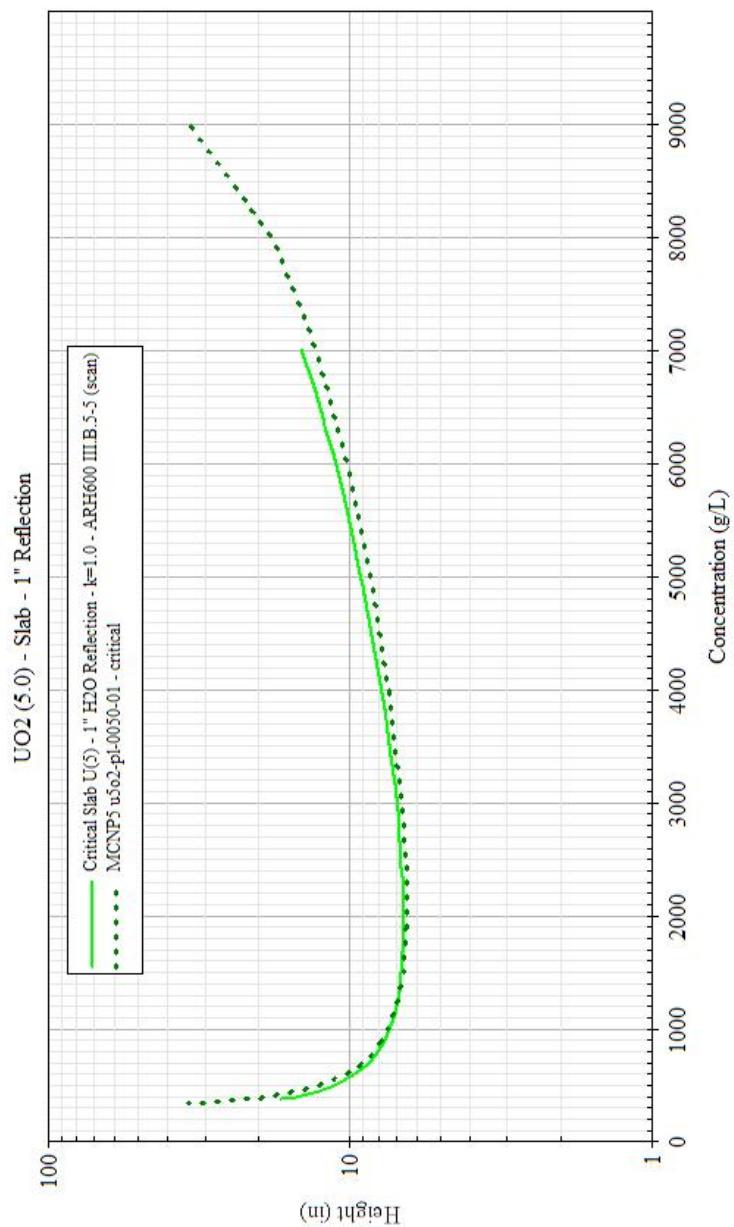
Isotopes: 5% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.2.2-1 UO<sub>2</sub> Plane - 5% 235U – 1" Water Reflection**

**Table B. 3.3.2.2-1 Critical Dimensions for UO<sub>2</sub> Plane - 5% 235U – 1" Water Reflection**

5% U235 UO <sub>2</sub> Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	18.00	36.00	1.00	34.4018
0.400	1.363636	13.50	20.00	0.25	19.3524
0.500	1.454545	10.00	13.00	0.10	12.6683
0.650	1.590909	8.00	9.80	0.05	9.5705
0.800	1.727273	7.00	9.20	0.10	8.2954
0.900	1.818182	6.50	8.00	0.05	7.8017
1.000	1.909091	6.40	7.60	0.05	7.4395
1.200	2.090909	6.00	7.30	0.05	6.9764
1.500	2.363636	5.80	6.70	0.05	6.6151
1.700	2.545455	5.70	6.60	0.05	6.4980
1.900	2.727273	5.60	6.60	0.05	6.4454
2.000	2.818182	5.60	6.60	0.05	6.4500
2.100	2.909091	5.60	6.50	0.05	6.4340
2.500	3.272727	5.70	6.50	0.05	6.4953
3.000	3.727273	5.70	6.80	0.05	6.7126
4.000	4.636364	6.40	7.50	0.05	7.3891
5.000	5.545455	7.20	8.60	0.05	8.4936
6.000	6.454545	8.50	10.50	0.10	10.1428
7.000	7.363636	10.40	13.20	0.10	12.8011
7.500	7.818182	11.00	15.40	0.20	14.8987
8.000	8.272727	13.60	18.40	0.20	17.9359
9.000	9.181818	20.00	35.00	0.50	33.3687

**B.3.3.2.3      10" Water Reflection**

Case ID: u5o2-pl-0050-10

Material: UO<sub>2</sub>

Geometry: Plane

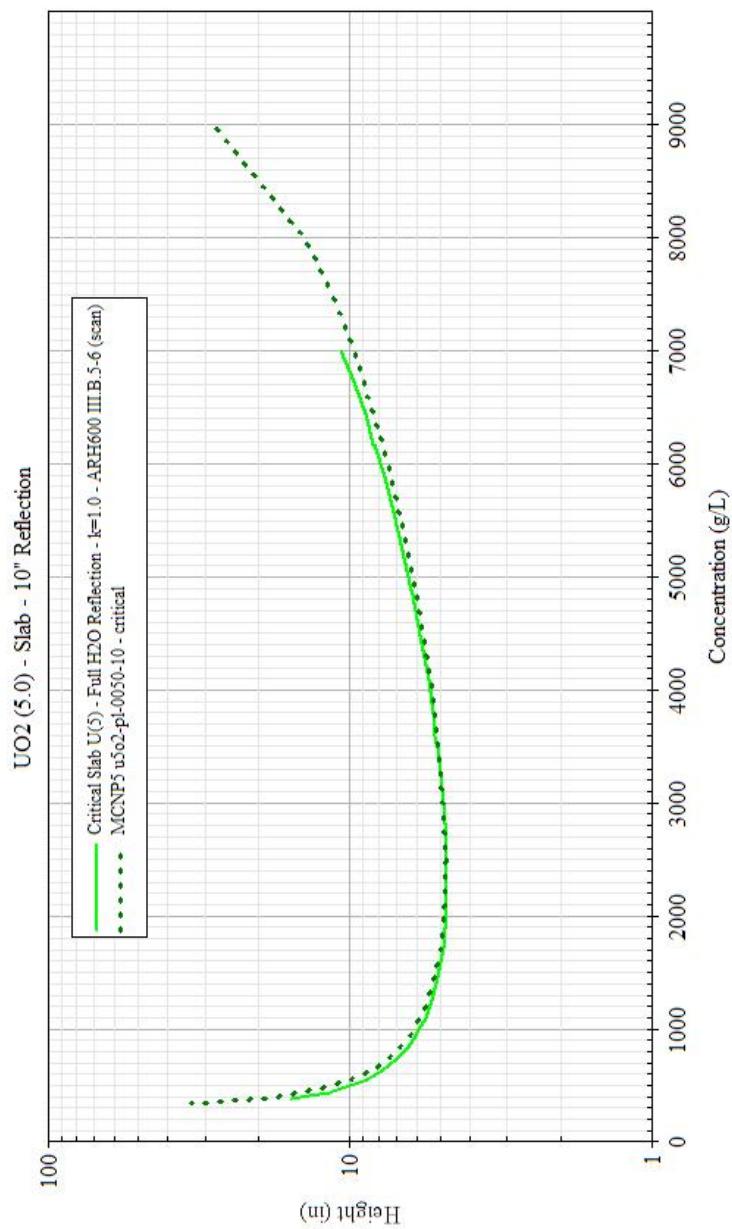
Isotopes: 5% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.2.3-1 UO<sub>2</sub> Plane - 5% 235U – 10" Water Reflection**

**Table B. 3.3.2.3-1 Critical Dimensions for UO<sub>2</sub> Plane - 5% 235U – 10” Water Reflection**

5% U235 UO <sub>2</sub> Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.350	1.318182	15.00	35.00	1.00	33.4000
0.400	1.363636	10.00	27.00	0.50	18.0918
0.500	1.454545	8.00	12.00	0.20	11.3889
0.650	1.590909	6.60	8.60	0.10	8.3053
0.800	1.727273	5.80	7.20	0.05	6.9881
0.900	1.818182	5.40	6.80	0.05	6.4693
1.000	1.909091	5.10	6.20	0.05	6.0793
1.200	2.090909	4.70	5.70	0.05	5.5782
1.500	2.363636	4.30	5.20	0.05	5.1465
1.700	2.545455	4.20	5.10	0.05	4.9941
1.900	2.727273	4.10	5.00	0.05	4.8875
2.000	2.818182	4.00	5.00	0.05	4.8577
2.100	2.909091	4.00	5.00	0.05	4.8407
2.500	3.272727	4.00	4.90	0.05	4.7907
3.000	3.727273	4.00	5.00	0.05	4.8741
4.000	4.636364	4.30	5.40	0.05	5.2950
5.000	5.545455	4.80	6.20	0.05	6.1076
6.000	6.454545	5.50	7.50	0.10	7.3490
7.000	7.363636	7.00	10.20	0.10	9.5387
7.500	7.818182	8.00	11.60	0.20	11.2882
8.000	8.272727	9.60	14.20	0.20	13.9236
9.000	9.181818	15.00	30.00	0.50	27.8904

**B.3.3.3      4%  $^{235}\text{U}$**

**B.3.3.3.1    0" Water Reflection**

Case ID: u5o2-pl-0040-00

Material: UO<sub>2</sub>

Geometry: Plane

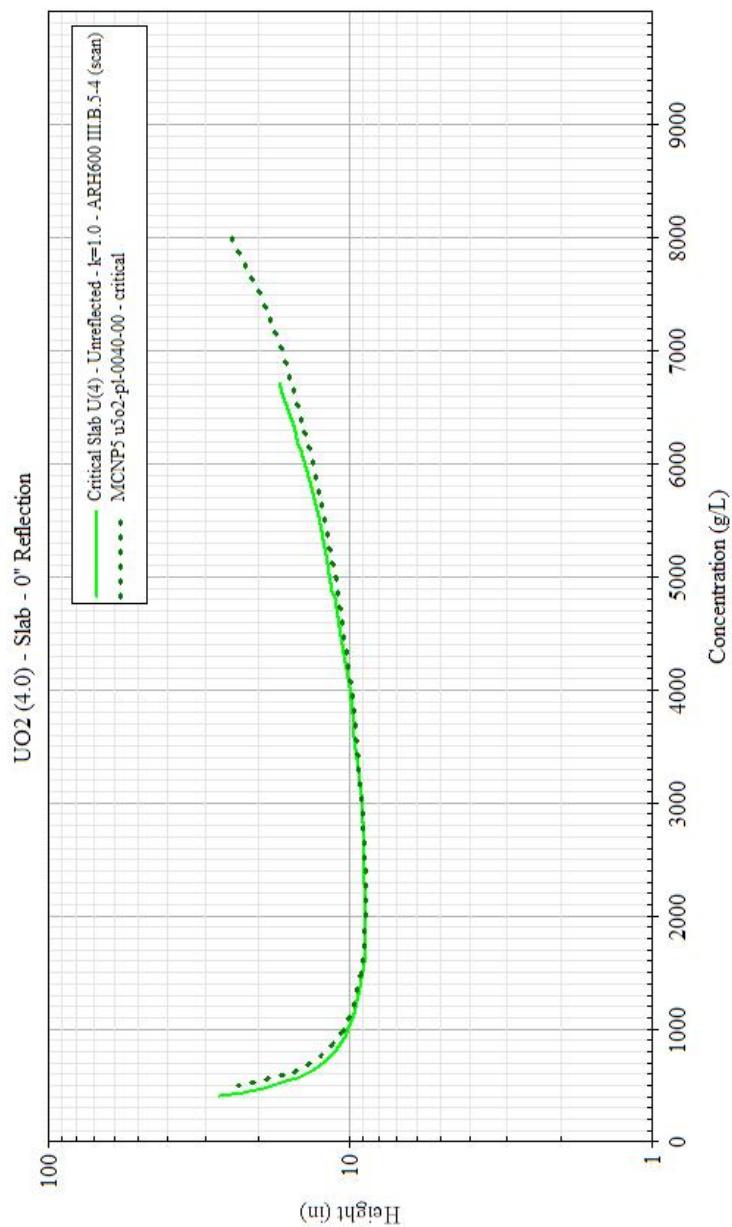
Isotopes: 4%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.3.1-1 UO<sub>2</sub> Plane - 4% 235U – 0" Water Reflection**

**Table B. 3.3.3.1-1 Critical Dimensions for UO<sub>2</sub> Plane - 4% 235U – 0” Water Reflection**

4% U235 UO <sub>2</sub> Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.500	1.454545	16.00	25.00	0.50	23.3882
0.650	1.590909	11.00	15.00	0.20	14.5093
0.800	1.727273	10.00	12.20	0.10	11.9500
0.900	1.818182	9.00	11.50	0.10	11.0587
1.000	1.909091	9.00	11.00	0.10	10.4658
1.200	2.090909	8.20	10.20	0.10	9.7175
1.500	2.363636	8.10	9.30	0.05	9.1390
1.700	2.545455	7.80	9.20	0.05	8.9449
1.900	2.727273	7.70	9.00	0.05	8.8379
2.000	2.818182	7.80	9.00	0.05	8.8030
2.100	2.909091	7.80	9.00	0.05	8.8025
2.500	3.272727	7.70	9.00	0.05	8.8274
3.000	3.727273	8.00	9.20	0.05	9.0367
4.000	4.636364	8.60	10.00	0.05	9.8058
5.000	5.545455	9.40	11.40	0.10	11.0845
6.000	6.454545	11.00	13.40	0.10	13.0890
7.000	7.363636	13.50	17.00	0.20	16.5347
7.500	7.818182	15.00	20.00	0.25	19.5969
8.000	8.272727	18.00	26.00	0.50	24.6388
9.000	9.181818	30.00	250.00	10.00	236.1812

**B.3.3.3.2 1" Water Reflection**

Case ID: u5o2-pl-0040-01

Material: UO<sub>2</sub>

Geometry: Plane

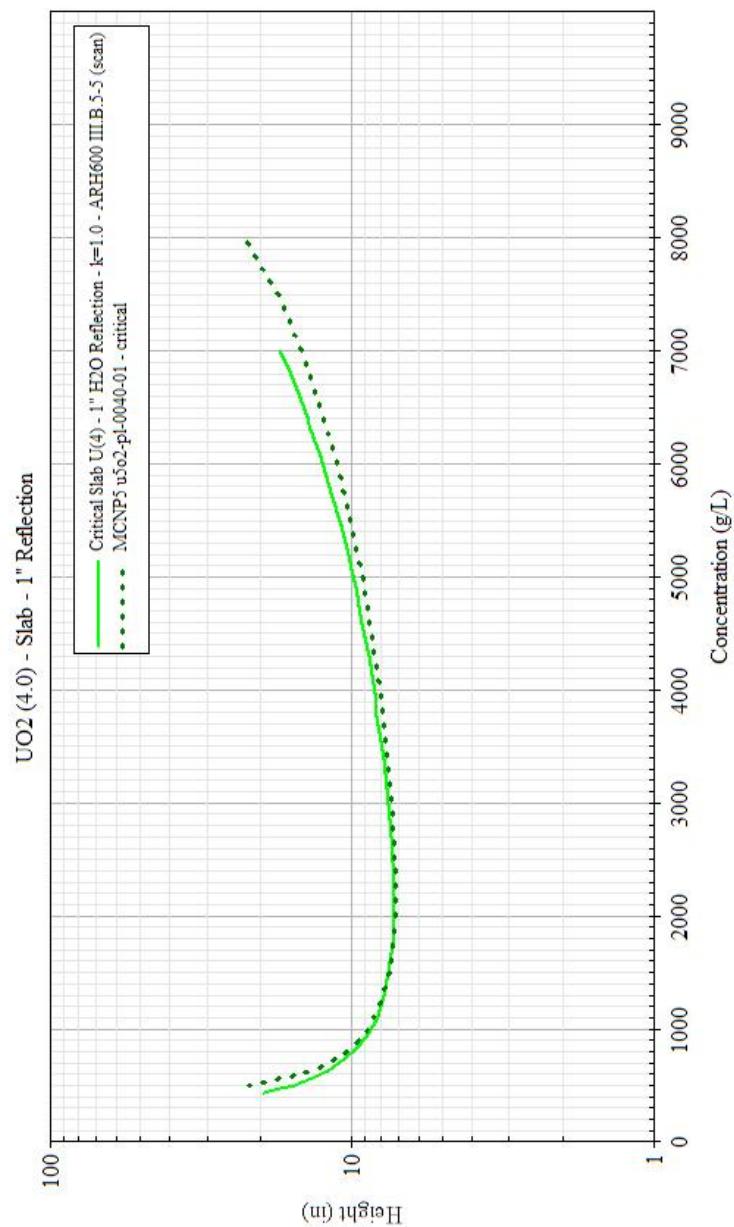
Isotopes: 4% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.3.2-1 UO<sub>2</sub> Plane - 4% 235U – 1" Water Reflection**

**Table B. 3.3.3.2-1 Critical Dimensions for UO<sub>2</sub> Plane - 4% 235U – 1" Water Reflection**

4% U235 UO <sub>2</sub> Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.500	1.454545	14.50	22.50	0.50	21.9051
0.650	1.590909	9.00	14.00	0.20	12.9243
0.800	1.727273	8.50	10.50	0.10	10.3765
0.900	1.818182	8.00	10.00	0.10	9.4488
1.000	1.909091	7.50	9.00	0.05	8.8629
1.200	2.090909	6.50	8.50	0.10	8.0850
1.500	2.363636	6.40	7.60	0.05	7.4819
1.700	2.545455	6.30	7.40	0.05	7.2766
1.900	2.727273	6.20	7.30	0.05	7.1650
2.000	2.818182	6.20	7.50	0.05	7.1247
2.100	2.909091	6.10	7.30	0.10	7.1057
2.500	3.272727	6.10	7.30	0.05	7.1102
3.000	3.727273	6.30	7.40	0.05	7.2747
4.000	4.636364	6.80	8.10	0.05	7.9756
5.000	5.545455	7.60	9.30	0.10	9.1714
6.000	6.454545	9.00	11.50	0.10	11.0638
7.000	7.363636	11.40	14.60	0.20	14.4368
7.500	7.818182	13.00	17.60	0.20	17.3619
8.000	8.272727	16.00	24.00	0.50	22.3338
9.000	9.181818	30.00	280.00	10.00	247.8544

**B.3.3.3.3 10" Water Reflection**

Case ID: u5o2-pl-0040-10

Material: UO<sub>2</sub>

Geometry: Plane

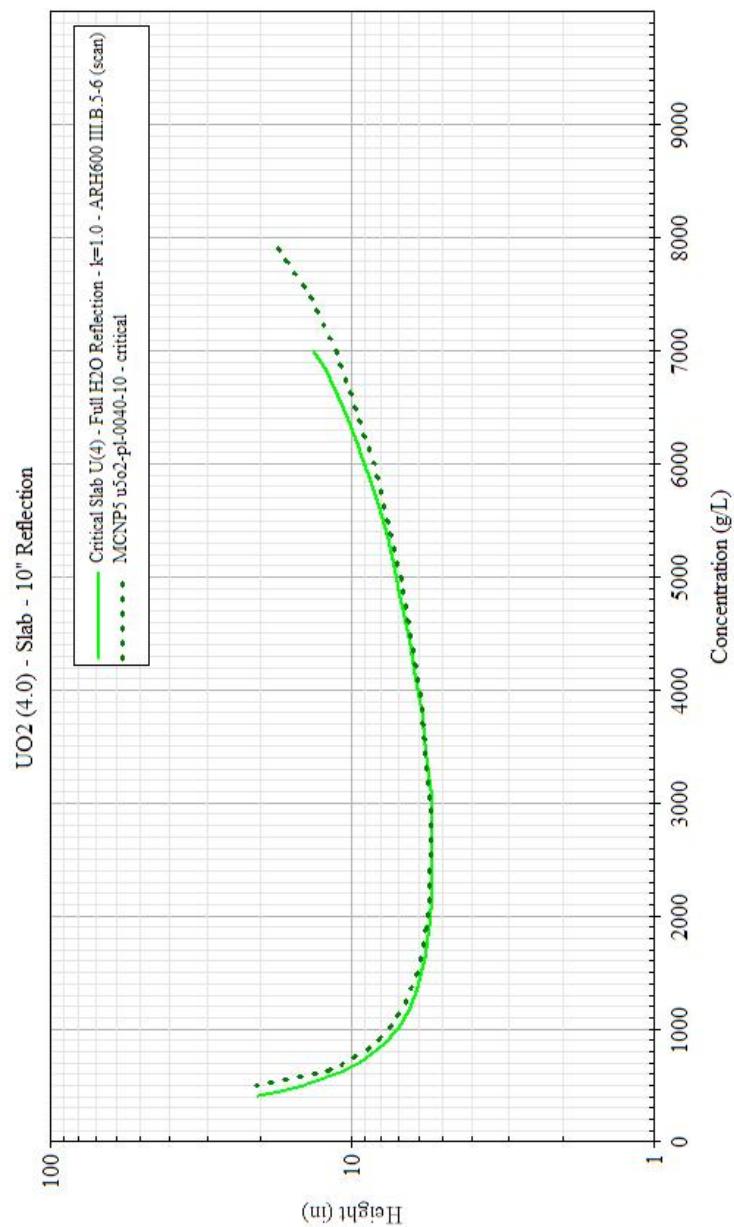
Isotopes: 4% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.3.3-1 UO<sub>2</sub> Plane - 4% 235U – 10" Water Reflection**

**Table B. 3.3.3.3-1 Critical Dimensions for UO<sub>2</sub> Plane - 4% 235U – 10” Water Reflection**

4% U235 UO <sub>2</sub> Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.500	1.454545	13.00	22.00	0.50	20.6836
0.650	1.590909	9.00	12.00	0.10	11.6665
0.800	1.727273	7.20	9.30	0.10	9.0754
0.900	1.818182	6.50	8.50	0.10	8.1565
1.000	1.909091	6.00	8.20	0.10	7.5239
1.200	2.090909	5.40	7.00	0.05	6.6942
1.500	2.363636	5.00	6.30	0.05	6.0544
1.700	2.545455	4.60	6.00	0.05	5.7787
1.900	2.727273	4.70	5.70	0.05	5.6284
2.000	2.818182	4.60	5.70	0.05	5.5702
2.100	2.909091	4.40	5.70	0.05	5.5188
2.500	3.272727	4.50	5.60	0.05	5.4352
3.000	3.727273	4.50	5.60	0.05	5.4816
4.000	4.636364	4.70	6.20	0.05	5.9132
5.000	5.545455	5.40	7.20	0.10	6.8143
6.000	6.454545	6.30	8.50	0.10	8.3185
7.000	7.363636	8.00	11.60	0.20	11.1457
7.500	7.818182	9.60	14.40	0.20	13.7105
8.000	8.272727	10.00	20.00	0.50	18.3653
9.000	9.181818	20.00	300.00	10.00	253.7600

**B.3.3.4      3%  $^{235}\text{U}$**

**B.3.3.4.1    0" Water Reflection**

Case ID: u5o2-pl-0030-00

Material: UO<sub>2</sub>

Geometry: Plane

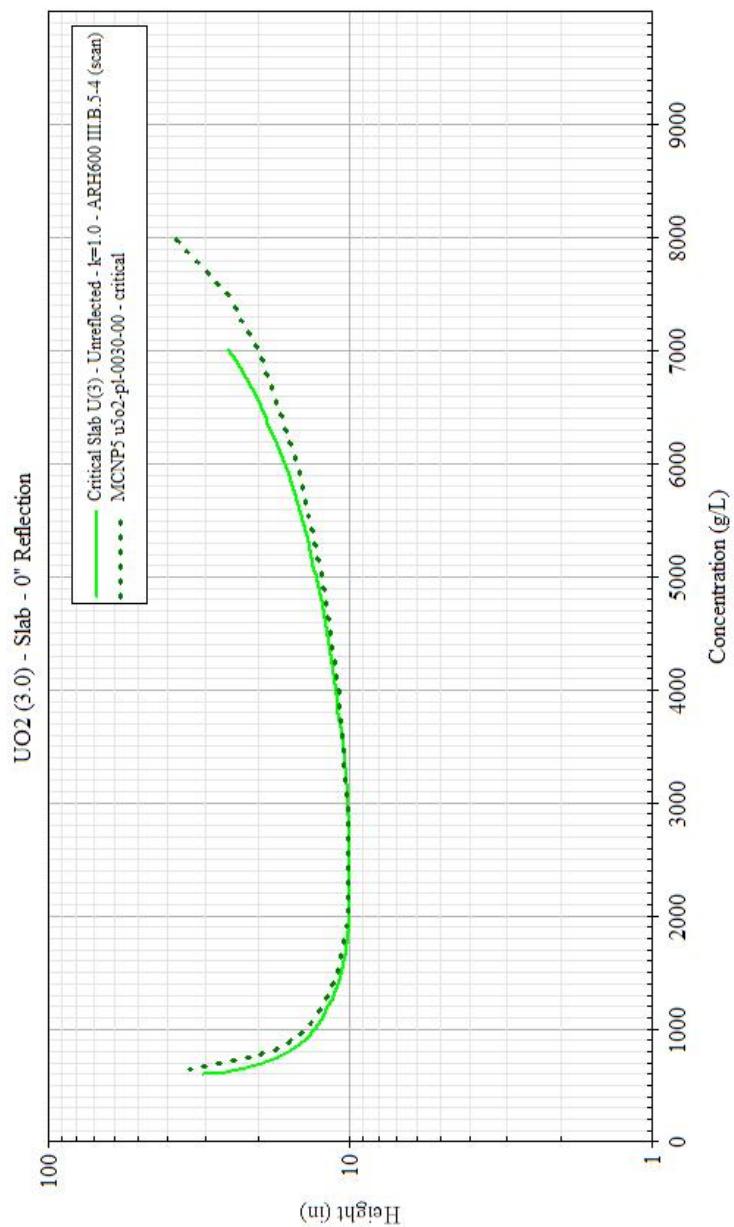
Isotopes: 3%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.4.1-1 UO<sub>2</sub> Plane - 3% 235U – 0" Water Reflection**

**Table B. 3.3.4.1-1 Critical Dimensions for UO<sub>2</sub> Plane - 3% 235U – 0” Water Reflection**

3% U235 UO <sub>2</sub> Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.650	1.590909	18.00	35.00	0.50	34.0037
0.800	1.727273	14.00	19.00	0.20	18.4039
0.900	1.818182	12.00	16.00	0.20	15.5796
1.000	1.909091	11.20	14.20	0.10	13.9047
1.200	2.090909	10.00	12.20	0.10	12.1696
1.500	2.363636	9.40	11.40	0.10	10.9421
1.700	2.545455	9.00	11.00	0.10	10.5217
1.900	2.727273	8.70	10.50	0.10	10.2065
2.000	2.818182	8.60	10.50	0.10	10.1366
2.100	2.909091	8.60	10.50	0.10	10.0858
2.500	3.272727	8.50	10.50	0.10	9.9761
3.000	3.727273	8.60	10.50	0.10	10.0830
4.000	4.636364	9.50	11.00	0.05	10.8556
5.000	5.545455	10.50	12.50	0.10	12.2861
6.000	6.454545	12.20	15.20	0.10	14.7562
7.000	7.363636	15.00	20.00	0.20	19.7441
7.500	7.818182	18.00	26.50	0.25	25.0024
8.000	8.272727	22.00	40.00	0.50	37.3107

**B.3.3.4.2 1" Water Reflection**

Case ID: u5o2-pl-0030-01

Material: UO<sub>2</sub>

Geometry: Plane

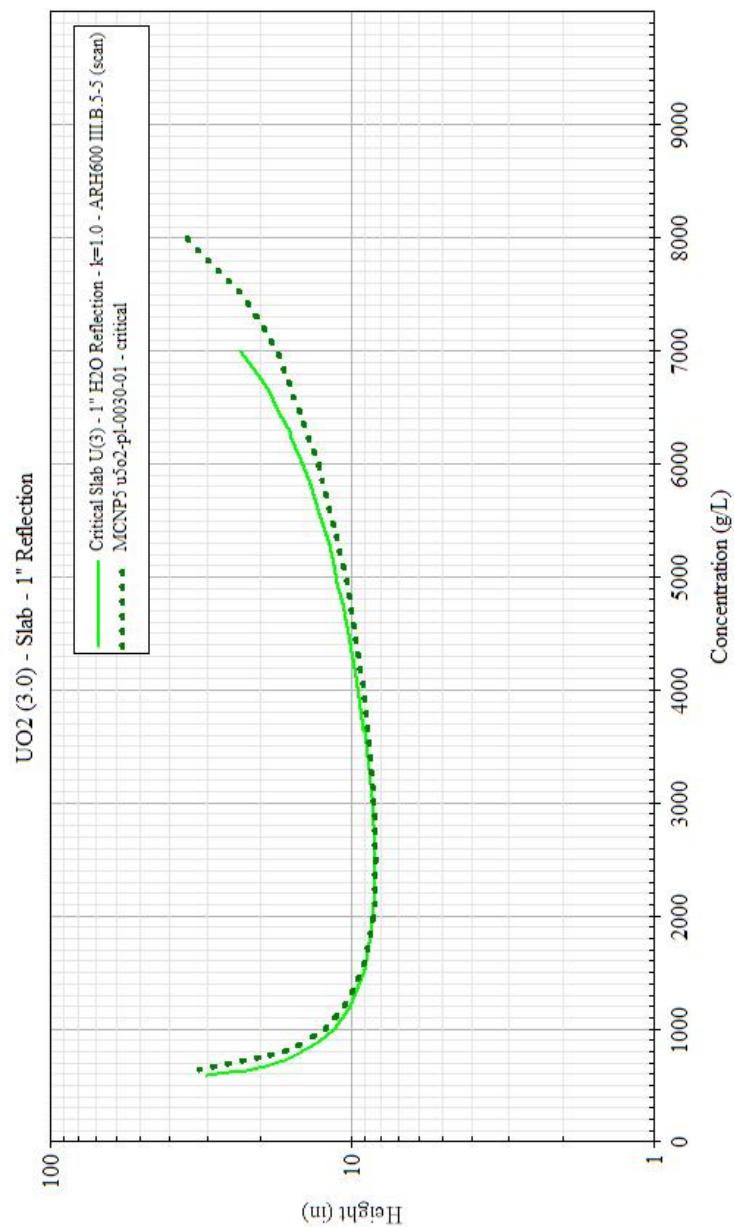
Isotopes: 3% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.4.2-1 UO<sub>2</sub> Plane - 3% 235U – 1" Water Reflection**

**Table B. 3.3.4.2-1 Critical Dimensions for UO<sub>2</sub> Plane - 3% 235U – 1" Water Reflection**

3% U235 UO <sub>2</sub> Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.650	1.590909	16.00	36.00	1.00	32.0867
0.800	1.727273	12.00	17.00	0.20	16.7932
0.900	1.818182	10.00	15.00	0.20	13.9670
1.000	1.909091	9.70	12.50	0.10	12.2976
1.200	2.090909	8.60	10.60	0.10	10.5434
1.500	2.363636	7.50	9.50	0.10	9.2950
1.700	2.545455	7.50	9.00	0.05	8.8400
1.900	2.727273	7.30	9.00	0.05	8.5636
2.000	2.818182	7.20	8.60	0.05	8.4626
2.100	2.909091	7.10	8.50	0.05	8.3981
2.500	3.272727	7.00	8.40	0.05	8.2507
3.000	3.727273	7.10	8.50	0.05	8.3288
4.000	4.636364	7.50	9.50	0.10	9.0194
5.000	5.545455	8.50	10.60	0.10	10.3756
6.000	6.454545	10.00	13.00	0.10	12.7771
7.000	7.363636	13.00	18.40	0.20	17.5894
7.500	7.818182	15.50	23.50	0.25	22.7103
8.000	8.272727	20.00	42.00	1.00	35.1372

**B.3.3.4.3      10" Water Reflection**

Case ID: u5o2-pl-0030-10

Material: UO<sub>2</sub>

Geometry: Plane

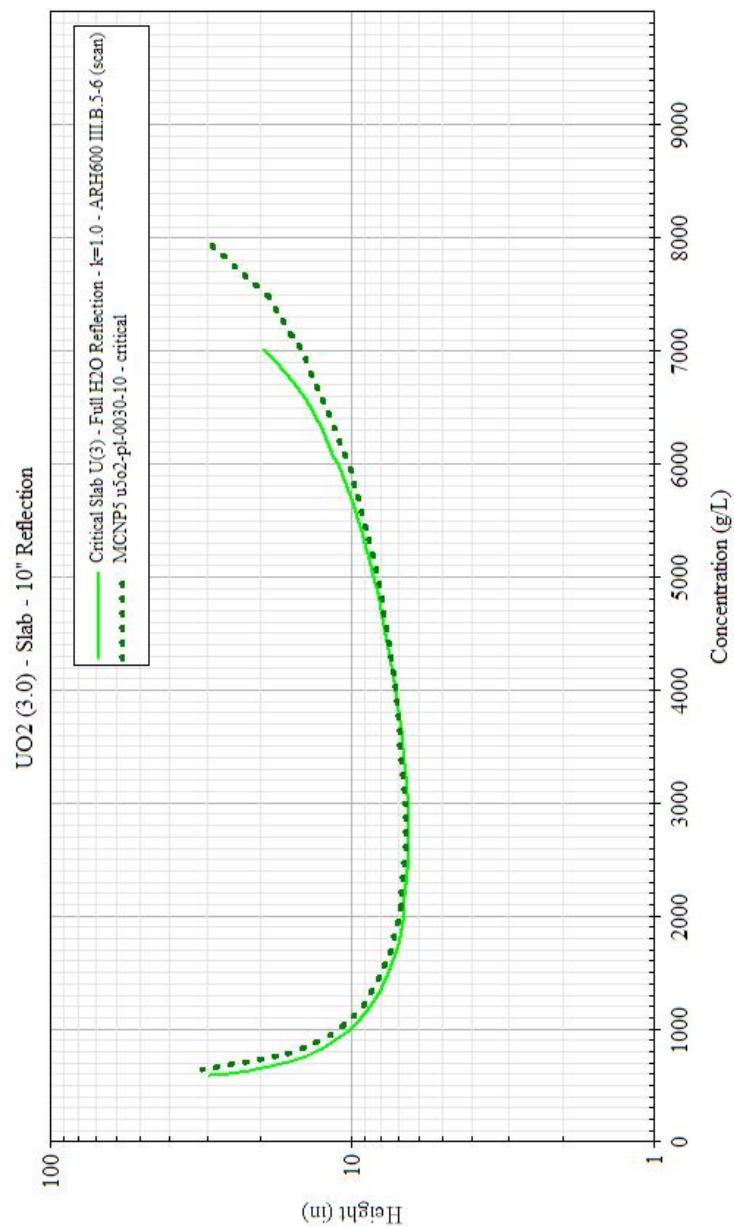
Isotopes: 3% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.4.3-1 UO<sub>2</sub> Plane - 3% 235U – 10" Water Reflection**

**Table B. 3.3.4.3-1 Critical Dimensions for UO<sub>2</sub> Plane - 3% 235U – 10” Water Reflection**

3% U235 UO <sub>2</sub> Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.650	1.590909	14.00	34.00	1.00	31.3333
0.800	1.727273	11.00	18.00	0.25	15.5526
0.900	1.818182	9.60	13.00	0.20	12.6986
1.000	1.909091	8.50	11.50	0.10	11.0162
1.200	2.090909	7.00	10.00	0.10	9.1658
1.500	2.363636	6.40	8.20	0.10	7.8639
1.700	2.545455	6.00	7.50	0.10	7.3786
1.900	2.727273	5.50	7.50	0.10	7.0874
2.000	2.818182	5.40	7.20	0.10	6.9324
2.100	2.909091	5.50	7.00	0.05	6.8564
2.500	3.272727	5.40	7.00	0.10	6.6325
3.000	3.727273	5.30	6.70	0.05	6.5720
4.000	4.636364	5.50	7.50	0.10	7.0372
5.000	5.545455	6.30	8.30	0.10	8.0504
6.000	6.454545	7.00	11.00	0.20	10.0630
7.000	7.363636	10.00	15.00	0.20	14.4076
7.500	7.818182	12.00	20.00	0.50	18.8648
8.000	8.272727	16.00	33.00	0.50	30.8167

**B.3.3.5      2.5%  $^{235}\text{U}$**

**B.3.3.5.1    0" Water Reflection**

Case ID: u5o2-pl-0025-00

Material: UO<sub>2</sub>

Geometry: Plane

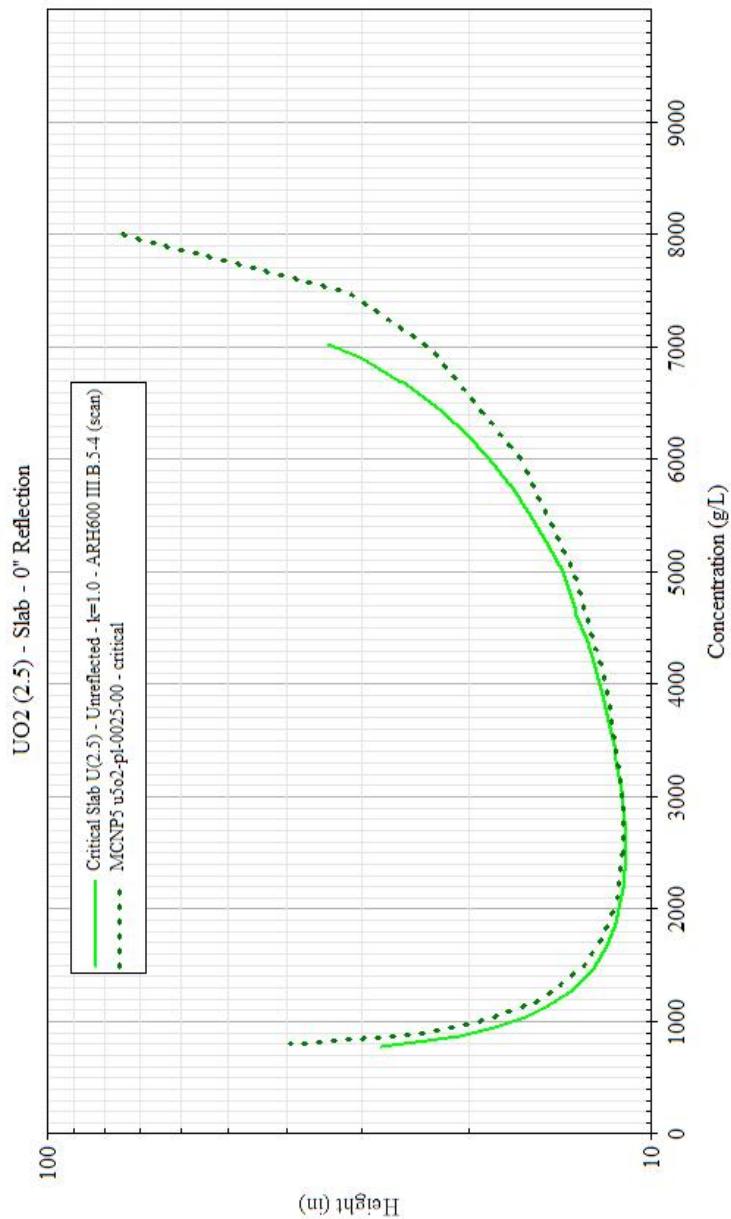
Isotopes: 2.5%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.5.1-1 UO<sub>2</sub> Plane - 2.5% 235U – 0" Water Reflection**

**Table B. 3.3.5.1-1Critical Dimensions for UO<sub>2</sub> Plane - 2.5% 235U – 0" Water Reflection**

2.5% U235 UO <sub>2</sub> Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.800	1.727273	20.00	42.00	1.00	39.5803
0.900	1.818182	16.00	26.00	0.50	24.0771
1.000	1.909091	14.00	20.00	0.25	19.1983
1.200	2.090909	12.00	16.00	0.20	15.2141
1.500	2.363636	10.50	13.00	0.10	12.8836
1.700	2.545455	10.00	12.30	0.10	12.1278
1.900	2.727273	9.60	12.00	0.10	11.6470
2.000	2.818182	9.60	11.60	0.10	11.4771
2.100	2.909091	9.50	11.60	0.10	11.3500
2.500	3.272727	9.50	11.30	0.10	11.0654
3.000	3.727273	9.50	11.30	0.10	11.0687
4.000	4.636364	10.00	12.00	0.10	11.8186
5.000	5.545455	11.20	13.60	0.10	13.3804
6.000	6.454545	13.20	16.80	0.20	16.3507
7.000	7.363636	17.00	24.50	0.25	23.0802
7.500	7.818182	20.00	34.00	0.50	31.6842
8.000	8.272727	26.00	80.00	2.00	75.0002

**B.3.3.5.2 1" Water Reflection**

Case ID: u5o2-pl-0025-01

Material: UO<sub>2</sub>

Geometry: Plane

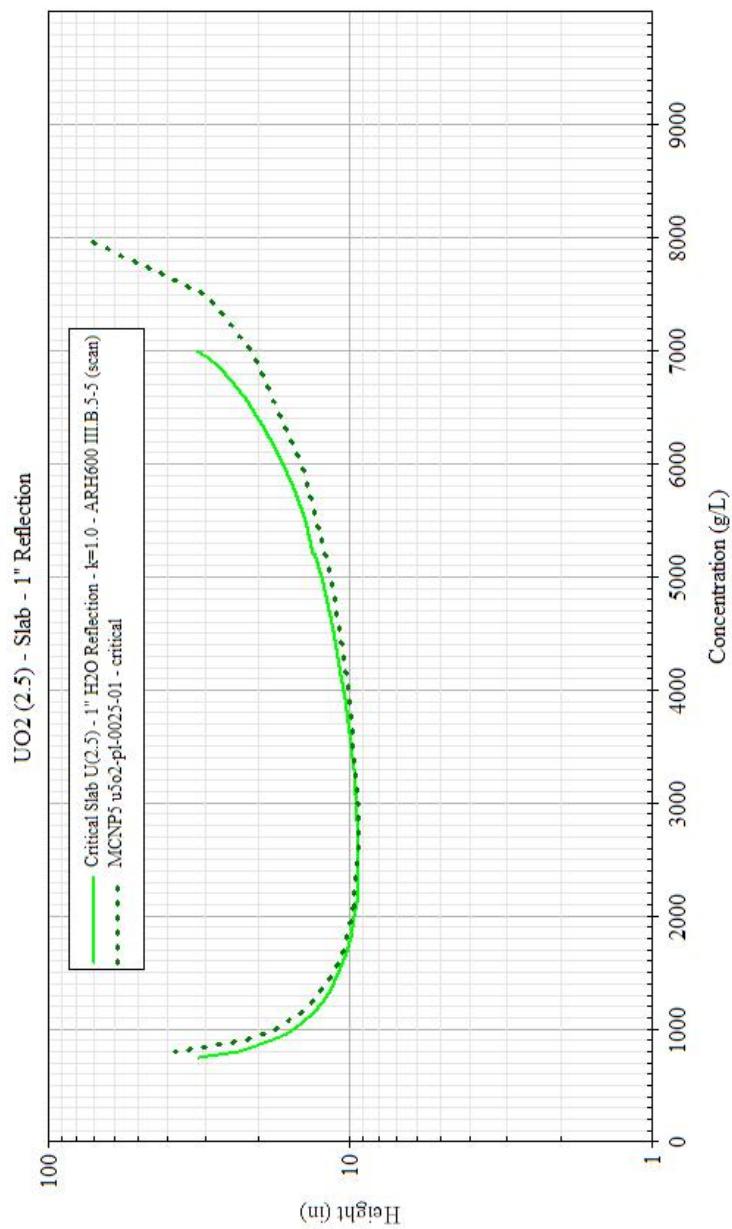
Isotopes: 2.5% <sup>235</sup>U

Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.5.2-1 UO<sub>2</sub> Plane - 2.5% 235U – 1" Water Reflection**

**Table B. 3.3.5.2-1 Critical Dimensions for UO<sub>2</sub> Plane - 2.5% 235U – 1" Water Reflection**

2.5% U235 UO <sub>2</sub> Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.800	1.727273	18.00	40.00	1.00	37.9819
0.900	1.818182	15.00	24.00	0.25	22.5117
1.000	1.909091	12.00	18.50	0.25	17.6433
1.200	2.090909	9.00	14.00	0.20	13.6036
1.500	2.363636	9.00	11.60	0.10	11.2438
1.700	2.545455	8.50	10.80	0.10	10.4584
1.900	2.727273	8.20	10.20	0.10	9.9810
2.000	2.818182	8.00	10.20	0.10	9.8137
2.100	2.909091	8.00	10.00	0.10	9.6581
2.500	3.272727	7.80	10.00	0.10	9.3499
3.000	3.727273	7.60	10.00	0.10	9.3148
4.000	4.636364	8.00	10.40	0.10	10.0082
5.000	5.545455	9.40	11.80	0.10	11.4745
6.000	6.454545	11.20	14.60	0.10	14.3085
7.000	7.363636	15.00	22.00	0.25	20.9123
7.500	7.818182	18.00	31.00	0.50	29.2911
8.000	8.272727	24.00	78.00	2.00	75.1526

**B.3.3.5.3      10" Water Reflection**

Case ID: u5o2-pl-0025-10

Material: UO<sub>2</sub>

Geometry: Plane

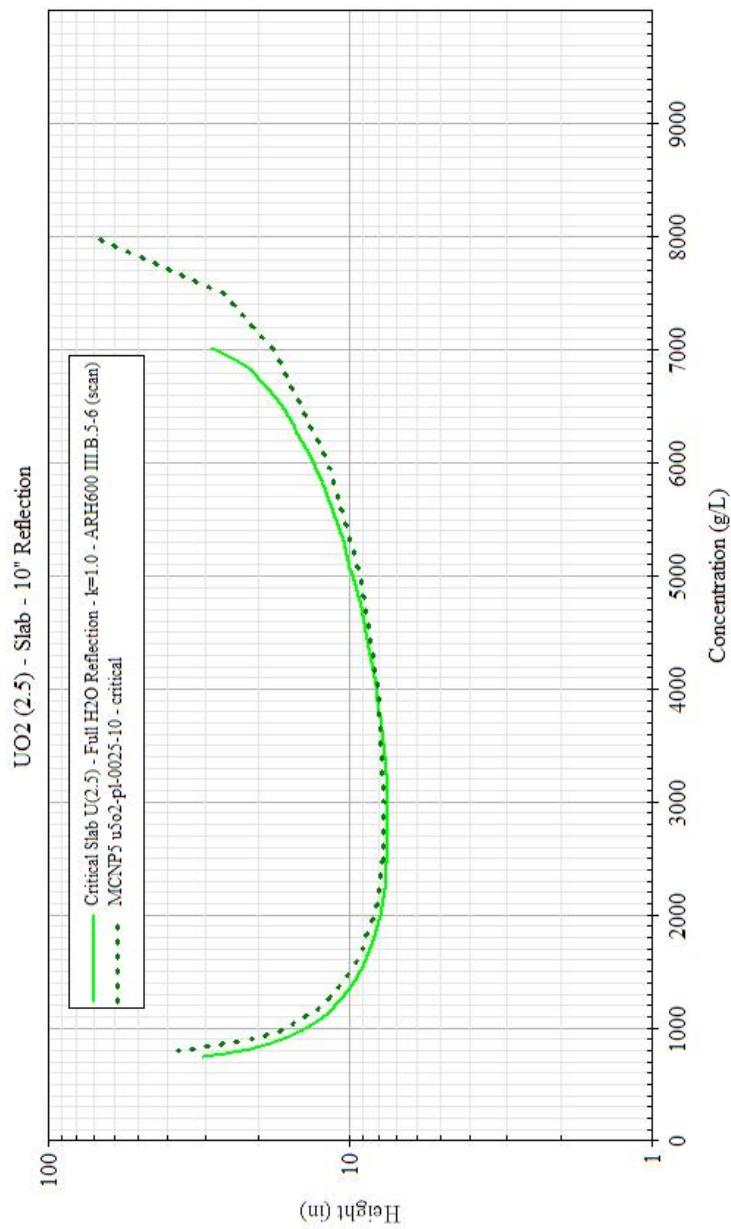
Isotopes: 2.5% <sup>235</sup>U

Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.5.3-1 UO<sub>2</sub> Plane - 2.5% 235U – 10" Water Reflection**

**Table B. 3.3.5.3-1 Critical Dimensions for UO<sub>2</sub> Plane - 2.5% 235U – 10” Water Reflection**

2.5% U235 UO <sub>2</sub> Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
0.800	1.727273	16.00	40.00	1.00	37.0838
0.900	1.818182	12.00	22.00	0.50	21.2224
1.000	1.909091	10.40	16.80	0.20	16.3561
1.200	2.090909	9.00	12.50	0.05	12.2650
1.500	2.363636	7.50	10.00	0.10	9.8335
1.700	2.545455	7.20	9.20	0.10	9.0040
1.900	2.727273	6.60	9.00	0.10	8.5061
2.000	2.818182	6.60	8.60	0.10	8.2857
2.100	2.909091	6.40	8.40	0.10	8.1185
2.500	3.272727	6.00	8.00	0.10	7.7229
3.000	3.727273	6.00	8.00	0.10	7.6040
4.000	4.636364	6.40	8.20	0.10	7.9956
5.000	5.545455	7.20	9.40	0.10	9.1922
6.000	6.454545	8.40	12.00	0.20	11.6752
7.000	7.363636	11.40	18.40	0.20	17.6194
7.500	7.818182	14.00	27.00	0.50	25.5161
8.000	8.272727	20.00	74.00	2.00	69.2308

**B.3.3.6      1.3%  $^{235}\text{U}$**

**B.3.3.6.1    0" Water Reflection**

Case ID: u5o2-pl-0013-00

Material: UO<sub>2</sub>

Geometry: Plane

Isotopes: 1.3%  $^{235}\text{U}$

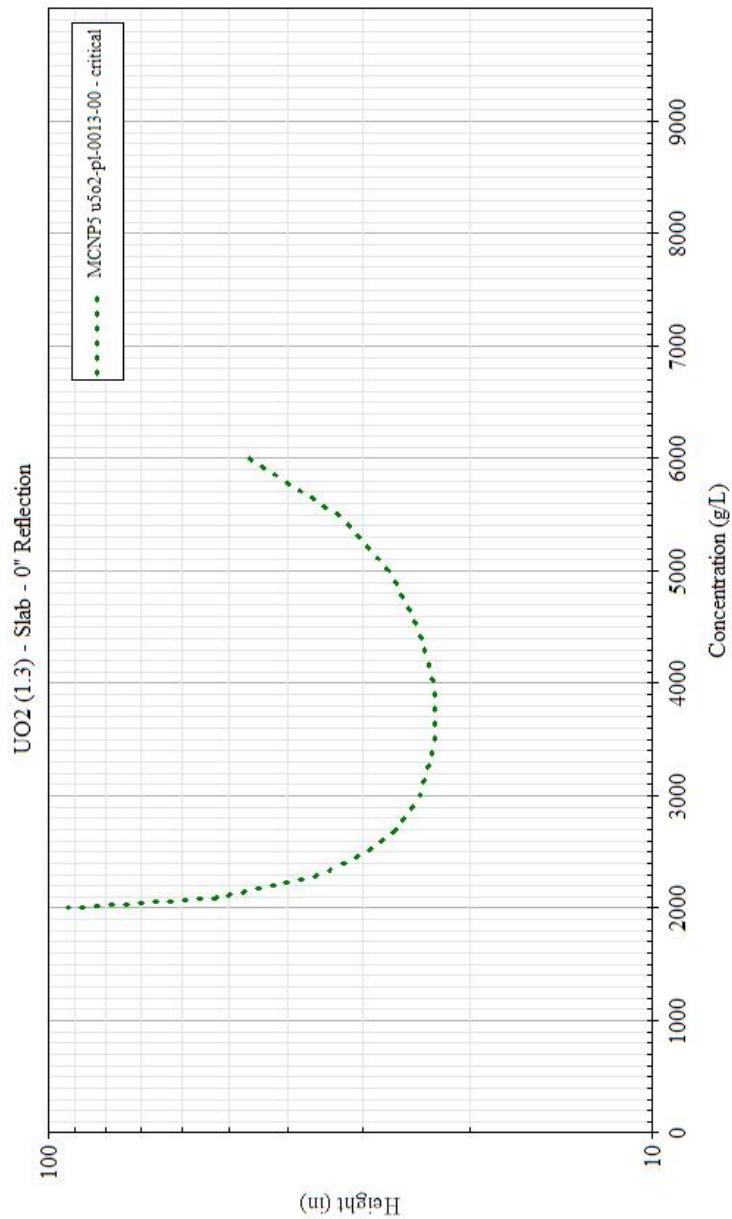
Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.6.1-1 UO<sub>2</sub> Plane - 1.3% 235U – 0" Water Reflection**



**Table B. 3.3.6.1-1 Critical Dimensions for UO<sub>2</sub> Plane - 1.3% 235U – 0” Water Reflection**

1.3% U235 UO <sub>2</sub> Plane - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	20.00	100.00	5.00	92.5650
2.100	2.909091	20.00	70.00	2.00	52.2544
2.300	3.090909	18.00	40.00	1.00	35.7805
2.500	3.272727	17.00	30.00	0.50	29.5252
2.700	3.454545	17.00	30.00	0.50	26.5000
3.000	3.727273	16.00	25.00	0.50	24.1446
3.500	4.181818	16.00	24.00	0.50	22.7159
4.000	4.636364	16.00	24.00	0.50	22.7946
4.500	5.090909	17.00	30.00	0.50	24.2471
5.000	5.545455	17.00	30.00	0.50	26.9870
5.500	6.000000	20.00	35.00	0.50	32.6925
6.000	6.454545	20.00	50.00	1.00	46.3081

**B.3.3.6.2 1" Water Reflection**

Case ID: u5o2-pl-0013-01

Material: UO<sub>2</sub>

Geometry: Plane

Isotopes: 1.3% <sup>235</sup>U

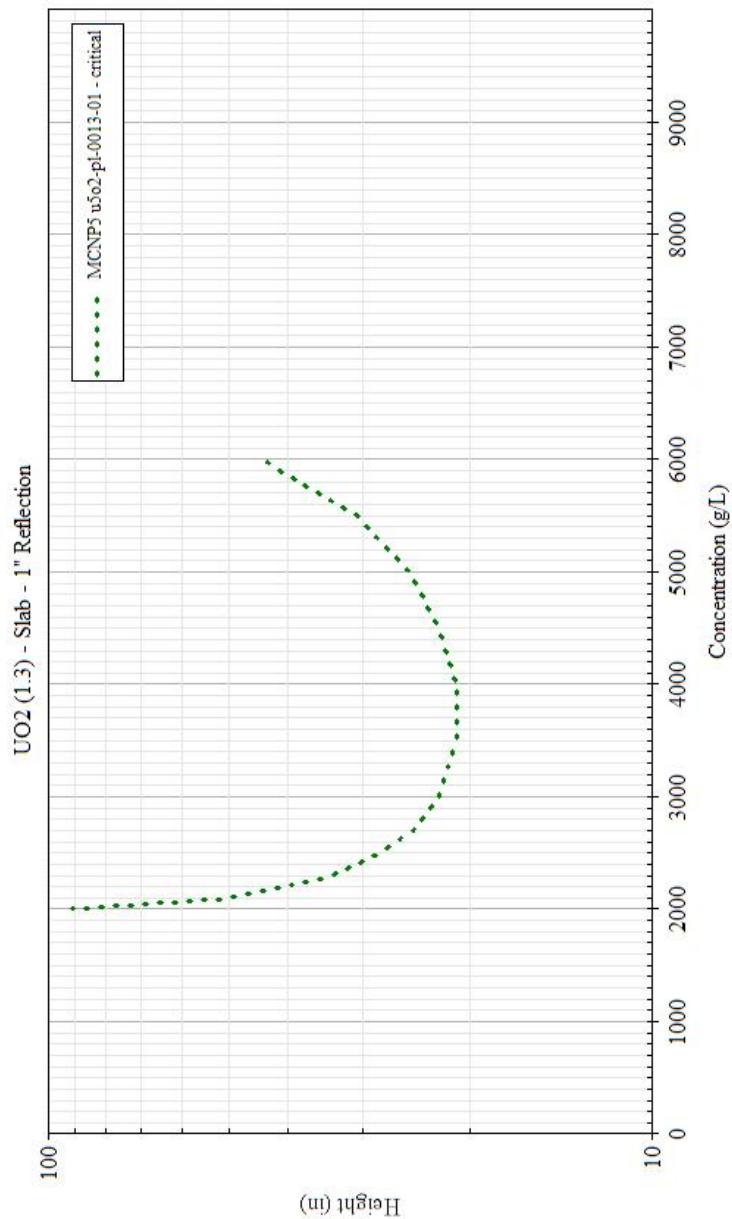
Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.6.2-1 UO<sub>2</sub> Plane - 1.3% 235U – 1" Water Reflection**



**Table B. 3.3.6.2-1 Critical Dimensions for UO<sub>2</sub> Plane - 1.3% 235U – 1” Water Reflection**

1.3% U235 UO <sub>2</sub> Plane - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	20.00	120.00	5.00	91.3515
2.100	2.909091	20.00	60.00	2.00	51.0066
2.300	3.090909	14.00	36.00	1.00	33.9934
2.500	3.272727	16.00	30.00	0.50	28.0558
2.700	3.454545	12.00	26.00	0.50	24.9042
3.000	3.727273	14.00	24.00	0.50	22.5188
3.500	4.181818	12.00	22.00	0.50	20.9528
4.000	4.636364	14.00	22.00	0.25	20.9806
4.500	5.090909	14.00	24.00	0.50	22.4208
5.000	5.545455	15.00	26.00	0.50	25.0598
5.500	6.000000	15.00	43.00	1.00	30.5764
6.000	6.454545	20.00	50.00	1.00	44.0241

**B.3.3.6.3      10" Water Reflection**

Case ID: u5o2-pl-0013-10

Material: UO<sub>2</sub>

Geometry: Plane

Isotopes: 1.3% <sup>235</sup>U

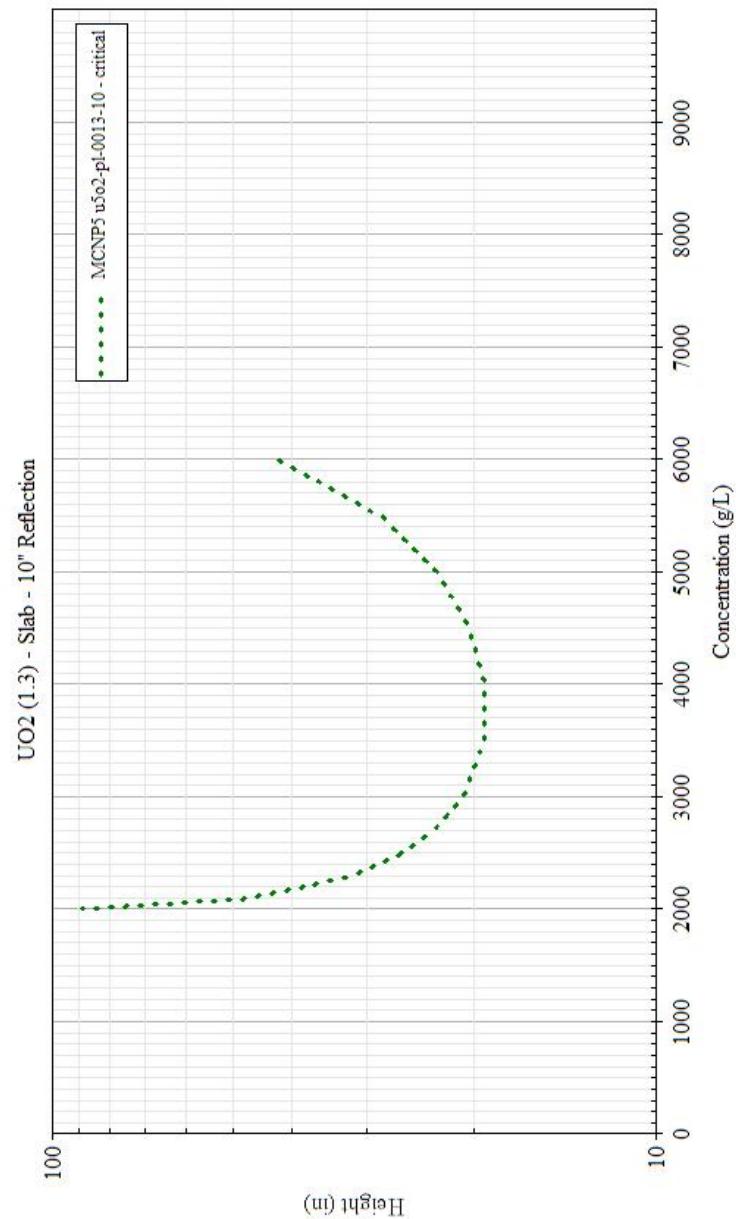
Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 3.3.6.3-1 UO<sub>2</sub> Plane - 1.3% 235U – 10" Water Reflection**



**Table B. 3.3.6.3-1 Critical Dimensions for UO<sub>2</sub> Plane - 1.3% 235U – 10” Water Reflection**

1.3% U235 UO <sub>2</sub> Plane - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
2.000	2.818182	20.00	100.00	2.50	89.3750
2.100	2.909091	16.00	52.00	2.00	47.8905
2.300	3.090909	16.00	36.00	1.00	31.9231
2.500	3.272727	14.00	28.00	0.50	26.3273
2.700	3.454545	14.00	24.00	0.50	23.3134
3.000	3.727273	12.00	22.00	0.50	20.7780
3.500	4.181818	12.00	22.00	0.50	19.2123
4.000	4.636364	12.00	22.00	0.50	19.1250
4.500	5.090909	10.00	22.00	0.50	20.3328
5.000	5.545455	14.00	24.00	0.50	22.8404
5.500	6.000000	15.00	30.00	0.50	28.2967
6.000	6.454545	18.00	48.00	1.00	42.0461

## **B.4 U-WATER MIXTURE**

### **B.4.1 Sphere**

**B.4.1.1 1.3%  $^{235}\text{U}$**

**B.4.1.1.1 0" Water Reflector**

Case ID: u5-sp-0013-00

Material: U (Elemental)

Geometry: Sphere

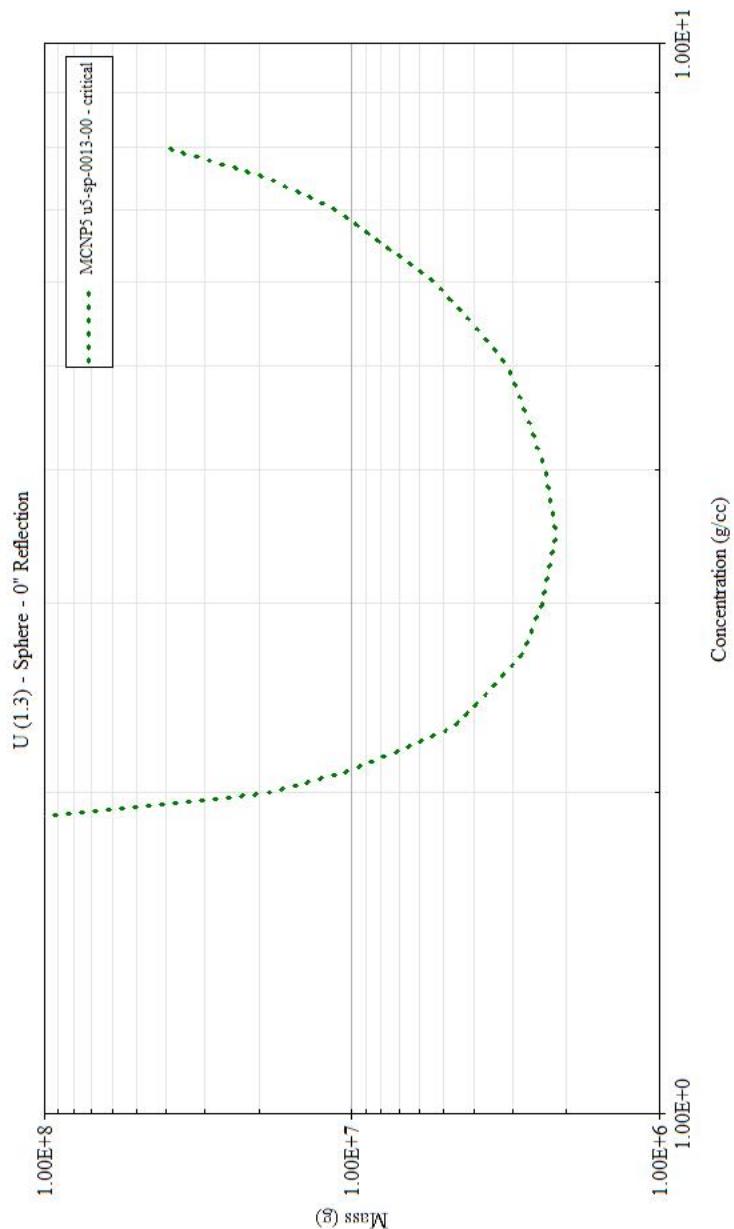
Isotopes: 1.3%  $^{235}\text{U}$

Reflector: 0" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 4.1.1.1-1 U Sphere - 1.3% 235U – 0” Water Reflection**

**Table B. 4.1.1.1-1 Critical Dimensions for U Sphere - 1.3% 235U – 0” Water Reflection**

1.3% U235 U (Elemental) Sphere - 0 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
1.900	2.799471	40.00	200.00	5.00	184.1000
2.000	2.894180	40.00	110.00	2.50	102.5234
2.100	2.988889	40.00	84.00	2.00	82.2373
2.300	3.178307	36.00	70.00	1.00	61.8548
2.500	3.367725	35.00	65.00	1.00	54.7433
2.700	3.557143	34.00	54.00	1.00	49.1667
3.000	3.841270	30.00	52.00	1.00	45.2727
3.500	4.314815	30.00	45.00	0.50	41.4451
4.000	4.788360	29.00	43.00	0.50	40.7356
4.500	5.261905	30.00	44.00	0.50	41.1330
5.000	5.735450	30.00	45.00	0.50	41.4947
5.500	6.208995	30.00	50.00	1.00	44.0687
6.000	6.682540	30.00	50.00	1.00	46.8913
7.000	7.629630	30.00	60.00	1.00	56.8239
7.500	8.103175	30.00	70.00	2.00	65.8843
8.000	8.576720	40.00	100.00	2.00	83.3398

**B.4.1.1.2 1" Water Reflection**

Case ID: u5-sp-0013-01

Material: U (Elemental)

Geometry: Sphere

Isotopes: 1.3%  $^{235}\text{U}$

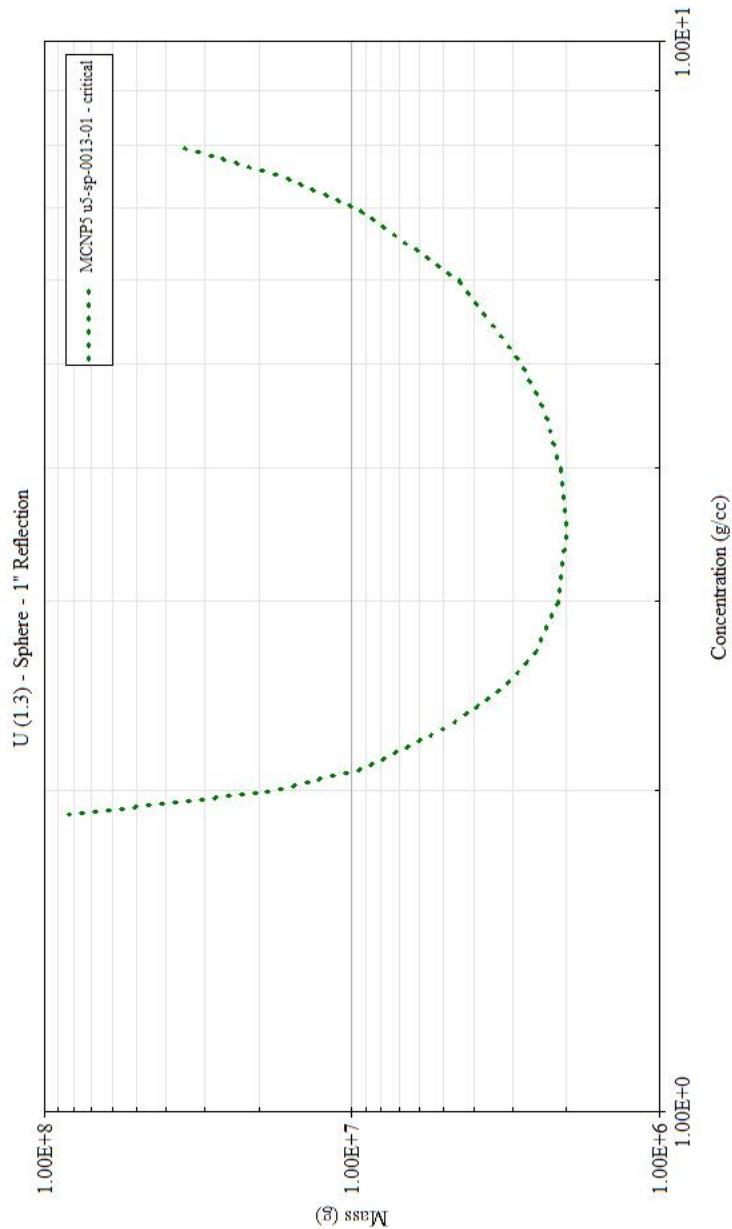
Reflector: 1" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 4.1.1.2-1 U Sphere - 1.3% 235U – 1" Water Reflection**



**Table B. 4.1.1.2-1 Critical Dimensions for U Sphere - 1.3% 235U – 1" Water Reflection**

1.3% U235 U (Elemental) Sphere - 1 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
1.900	2.799471	40.00	200.00	5.00	172.0861
2.000	2.894180	40.00	120.00	2.50	101.5418
2.100	2.988889	40.00	90.00	2.00	79.5073
2.300	3.178307	35.00	65.00	1.00	62.2428
2.500	3.367725	33.00	55.00	1.00	52.8788
2.700	3.557143	30.00	54.00	1.00	47.5850
3.000	3.841270	29.00	50.00	1.00	43.5680
3.500	4.314815	28.00	50.00	1.00	40.3643
4.000	4.788360	28.00	42.00	0.50	39.2569
4.500	5.261905	28.00	42.00	0.50	39.1411
5.000	5.735450	28.00	44.00	0.50	40.2129
5.500	6.208995	30.00	46.00	0.50	42.2305
6.000	6.682540	30.00	50.00	1.00	44.2188
7.000	7.629630	30.00	60.00	1.00	54.1782
7.500	8.103175	30.00	70.00	2.00	63.6781
8.000	8.576720	30.00	90.00	2.00	81.1898

**B.4.1.1.3      10" Water Reflection**

Case ID: u5-sp-0013-10

Material: U (Elemental)

Geometry: Sphere

Isotopes: 1.3%  $^{235}\text{U}$

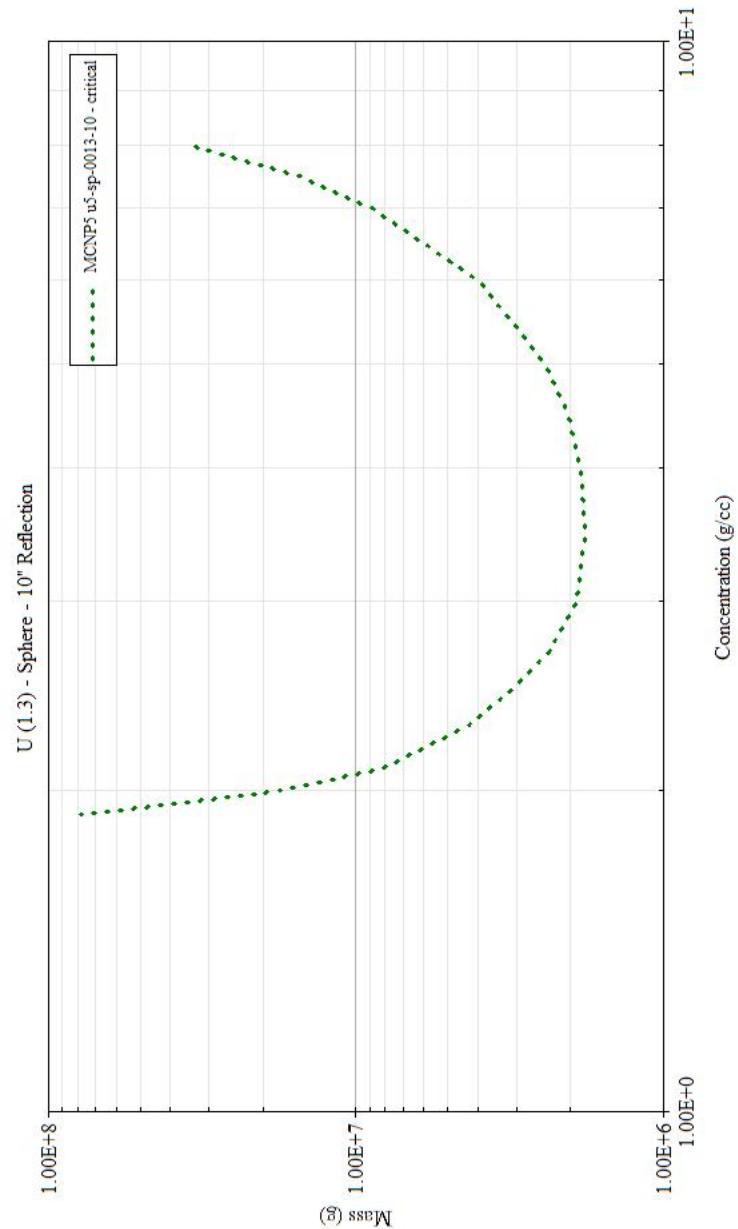
Reflector: 10" water reflected

Code: MCNP5 v1.40

Analyst: Scott Finfrock

Date: 9/2012

**Figure B. 4.1.1.3-1 U Sphere - 1.3% 235U – 10” Water Reflection**



**Table B. 4.1.1.3-1 Critical Dimensions for U Sphere - 1.3% 235U – 10” Water Reflection**

1.3% U235 U (Elemental) Sphere - 10 Inch(es) of Reflection					
Fissile Element Concentration in Mixture (g/cc)	Mixture Bulk Density (g/cc)	First Diameter (Inches)	Last Diameter (Inches)	Delta (Inches)	Critical Diameter (Inches)
1.900	2.799471	40.00	200.00	5.00	168.8953
2.000	2.894180	40.00	120.00	2.50	101.1182
2.100	2.988889	35.00	85.00	2.00	76.5032
2.300	3.178307	25.00	65.00	1.00	59.9841
2.500	3.367725	25.00	55.00	1.00	52.0241
2.700	3.557143	30.00	53.00	1.00	46.4452
3.000	3.841270	27.00	51.00	1.00	41.9524
3.500	4.314815	20.00	40.00	1.00	38.9371
4.000	4.788360	25.00	45.00	1.00	37.7847
4.500	5.261905	26.00	40.00	0.50	37.4486
5.000	5.735450	26.00	42.00	0.50	38.2183
5.500	6.208995	20.00	42.00	1.00	40.4239
6.000	6.682540	28.00	46.00	0.50	42.5497
7.000	7.629630	30.00	55.00	1.00	52.5970
7.500	8.103175	30.00	70.00	2.00	61.6110
8.000	8.576720	36.00	90.00	2.00	78.9706

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**APPENDIX C – CRITVIEW COMPATIBLE DATA FILES**

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# CHPRC-01905, Revision 0

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! generated by extract.exe
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reference: MCNP5 pu-icyl-0800-00
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created: Thu Jul 19 15:20:43 2012
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modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: none
reflthick:      0 in
keff: 1.0
var: critconc g/cc
var: diameter in
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  0.01500    23.40806
  0.01800    19.30768
  0.02000    17.77233
  0.02200    16.66105
  0.02400    15.85435
  0.02500    15.49911
  0.02600    15.22962
  0.02800    14.73194
  0.03000    14.33865
  0.03200    14.00737
  0.03600    13.49700
  0.04000    13.10512
  0.04500    12.77565
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  0.07500    11.90901
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  0.15000    11.80640
  0.20000    11.93633
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created: Thu Jul 19 15:20:44 2012
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modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:      1 in
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  0.02200    15.10469
  0.02400    14.31489
  0.02500    13.98899
  0.02600    13.67940
  0.02800    13.17855
  0.03000    12.80131
  0.03200    12.44468
  0.03600    11.95319
  0.04000    11.55610
  0.04500    11.21972
  0.05000    10.95585
  0.07500    10.35787
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  0.20000    10.32888
  0.35000    10.68374
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isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:    10 in
keff: 1.0
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var: diameter in
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  0.02600    12.48371
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  0.03000    11.54906
  0.03200    11.24030
  0.03600    10.68082
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4.00000 5.21885
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8.00000 3.63845
9.00000 3.39947
10.00000 3.19484
15.00000 2.45157
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isomat: Pu239 0.85 Pu240 0.15
reflmat: none
reflthick: 0 in
keff: 1.0
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var: diameter in
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0.01500 20.42942
0.01800 17.37752
0.02000 16.19859
0.02200 15.29762
0.02400 14.62020
0.02500 14.37538
0.02600 14.14396
0.02800 13.71012
0.03000 13.36992
0.03200 13.09005
0.03600 12.65686
0.04000 12.32727
0.04500 12.03894
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0.15000 11.14457
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0.35000 11.51353
0.50000 11.58212
0.75000 11.43747
1.00000 11.09330
1.50000 10.26985
2.00000 9.51586
2.50000 8.84704
3.00000 8.25274
4.00000 7.35456
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# CHPRC-01905, Revision 0

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set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:20 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000      52.08459
  0.01300      22.93957
  0.01500      18.88837
  0.01800      15.81998
  0.02000      14.63616
  0.02200      13.77166
  0.02400      13.13896
  0.02500      12.85658
  0.02600      12.61080
  0.02800      12.19852
  0.03000      11.83663
  0.03200      11.56525
  0.03600      11.12941
  0.04000      10.80345
  0.04500      10.49186
  0.05000      10.28084
  0.07500      9.73474
  0.10000      9.55232
  0.15000      9.55298
  0.20000      9.62764
  0.35000      9.88191
  0.50000      9.97374
  0.75000      9.84436
  1.00000      9.56048
  1.50000      8.81993
  2.00000      8.12011
  2.50000      7.51017
  3.00000      6.99232
  4.00000      6.16801
  5.00000      5.56107
  6.00000      5.08084
  7.00000      4.69481
  7.50000      4.52366
  8.00000      4.36277
  9.00000      4.08634
 10.00000      3.84469
 15.00000      2.93337
 19.60000      2.37206
reset:
title: MCNP5 pu-icyl-0850-10
reference: MCNP5 pu-icyl-0850-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:21 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:   10 in
keff: 1.0
var: critconc g/cc
var: diameter in
```

# CHPRC-01905, Revision 0

```
0.01000      50.34092
0.01300      21.80978
0.01500      17.75058
0.01800      14.69047
0.02000      13.49176
0.02200      12.58469
0.02400      11.94055
0.02500      11.64453
0.02600      11.37947
0.02800      10.98078
0.03000      10.62726
0.03200      10.33448
0.03600      9.87162
0.04000      9.52100
0.04500      9.20306
0.05000      8.95596
0.07500      8.32828
0.10000      8.10061
0.15000      7.96393
0.20000      7.96563
0.35000      8.08849
0.50000      8.12354
0.75000      7.97979
1.00000      7.73659
1.50000      7.12632
2.00000      6.53625
2.50000      6.04512
3.00000      5.62337
4.00000      4.96560
5.00000      4.47040
6.00000      4.08990
7.00000      3.78363
7.50000      3.65015
8.00000      3.52224
9.00000      3.29332
10.00000     3.09793
15.00000     2.39269
19.60000     1.96271
reset:
title: MCNP5 pu-icyl-0900-00
reference: MCNP5 pu-icyl-0900-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:47 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.01000      35.20242
0.01300      21.22991
0.01500      18.28056
0.01800      15.92202
0.02000      14.94678
0.02200      14.18337
0.02400      13.65721
0.02500      13.43244
0.02600      13.21134
0.02800      12.86742
0.03000      12.59084
0.03200      12.32691
0.03600      11.94869
0.04000      11.67332
0.04500      11.36679
0.05000      11.20170
0.07500      10.71345
0.10000      10.56212
```

# CHPRC-01905, Revision 0

```
0.15000 10.53679
0.20000 10.58653
0.35000 10.74580
0.50000 10.74900
0.75000 10.58016
1.00000 10.30713
1.50000 9.61090
2.00000 8.96322
2.50000 8.39909
3.00000 7.90227
4.00000 7.08749
5.00000 6.46916
6.00000 5.96410
7.00000 5.54000
7.50000 5.35693
8.00000 5.18438
9.00000 4.86607
10.00000 4.58458
15.00000 3.49118
19.60000 2.77859
reset:
title: MCNP5 pu-icyl-0900-01
reference: MCNP5 pu-icyl-0900-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:47 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: diameter in
 0.01000 33.6766
 0.01300 19.75711
 0.01500 16.73866
 0.01800 14.39836
 0.02000 13.40904
 0.02200 12.68515
 0.02400 12.13620
 0.02500 11.90869
 0.02600 11.68965
 0.02800 11.33486
 0.03000 11.06185
 0.03200 10.79487
 0.03600 10.41868
 0.04000 10.11354
 0.04500 9.84314
 0.05000 9.65705
 0.07500 9.14801
 0.10000 8.98232
 0.15000 8.93476
 0.20000 8.98197
 0.35000 9.12825
 0.50000 9.14724
 0.75000 9.02102
 1.00000 8.75778
 1.50000 8.15814
 2.00000 7.56880
 2.50000 7.06613
 3.00000 6.61532
 4.00000 5.90633
 5.00000 5.35331
 6.00000 4.92029
 7.00000 4.55804
 7.50000 4.40251
 8.00000 4.25007
 9.00000 3.98600
10.00000 3.75373
```

# CHPRC-01905, Revision 0

```
15.00000      2.87640
19.60000      2.33066
reset:
title: MCNP5 pu-icyl-0900-10
reference: MCNP5 pu-icyl-0900-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:27:47 2012
geometry: infcyl
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    32.59957
  0.01300    18.60606
  0.01500    15.63342
  0.01800    13.26476
  0.02000    12.23154
  0.02200    11.52127
  0.02400    10.94497
  0.02500    10.73113
  0.02600    10.51031
  0.02800    10.13401
  0.03000    9.85209
  0.03200    9.58179
  0.03600    9.17717
  0.04000    8.87786
  0.04500    8.57083
  0.05000    8.34512
  0.07500    7.77028
  0.10000    7.55468
  0.15000    7.40610
  0.20000    7.37946
  0.35000    7.41681
  0.50000    7.40019
  0.75000    7.25553
  1.00000    7.03894
  1.50000    6.54067
  2.00000    6.06265
  2.50000    5.63940
  3.00000    5.28773
  4.00000    4.71601
  5.00000    4.28638
  6.00000    3.93587
  7.00000    3.64891
  7.50000    3.52134
  8.00000    3.41213
  9.00000    3.19875
10.00000    3.01231
15.00000    2.33502
19.60000    1.92306
reset:
title: MCNP5 pu-pl-0800-00
reference: MCNP5 pu-pl-0800-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:31:08 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01100    34.87555
```

# CHPRC-01905, Revision 0

```
0.01200 23.24473
0.01500 14.61486
0.02000 10.91747
0.02500 9.47793
0.03000 8.71575
0.04000 7.93362
0.05000 7.53389
0.07500 7.14356
0.10000 7.03736
0.15000 7.03516
0.20000 7.12112
0.35000 7.34048
0.50000 7.44436
0.75000 7.35649
1.00000 7.11302
1.50000 6.48185
2.00000 5.89565
2.50000 5.40508
3.00000 4.98891
4.00000 4.34649
5.00000 3.87992
7.50000 3.08609
10.00000 2.56648
15.00000 1.86426
19.60000 1.42317
reset:
title: MCNP5 pu-pl-0800-01
reference: MCNP5 pu-pl-0800-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:31:08 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
refilmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: height in
0.01100 33.20617
0.01200 21.73801
0.01500 13.08410
0.02000 9.38128
0.02500 7.95491
0.03000 7.17000
0.04000 6.34856
0.05000 5.95100
0.07500 5.54401
0.10000 5.42678
0.15000 5.39712
0.20000 5.47354
0.35000 5.70334
0.50000 5.76955
0.75000 5.69782
1.00000 5.50338
1.50000 4.94871
2.00000 4.43797
2.50000 4.01448
3.00000 3.65426
4.00000 3.10219
5.00000 2.70495
7.50000 2.06130
10.00000 1.65624
15.00000 1.16264
19.60000 0.89191
reset:
title: MCNP5 pu-pl-0800-10
reference: MCNP5 pu-pl-0800-10
set: MCNP5 set
source: MCNP5 2012
```

# CHPRC-01905, Revision 0

```
created: Thu Jul 19 15:31:09 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
 0.01100    32.37426
 0.01200    20.56316
 0.01500    11.91615
 0.02000     8.16905
 0.02500     6.69960
 0.03000     5.91128
 0.04000     5.05271
 0.05000     4.61037
 0.07500     4.09377
 0.10000     3.89130
 0.15000     3.75530
 0.20000     3.73425
 0.35000     3.78431
 0.50000     3.81030
 0.75000     3.72279
 1.00000     3.54907
 1.50000     3.13114
 2.00000     2.75249
 2.50000     2.43737
 3.00000     2.17746
 4.00000     1.80093
 5.00000     1.52950
 7.50000     1.10264
10.00000     0.85666
15.00000     0.57752
19.60000     0.43745
reset:
title: MCNP5 pu-pl-0850-00
reference: MCNP5 pu-pl-0850-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:32 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: height in
 0.01000    33.85026
 0.01100    22.15574
 0.01200    17.71235
 0.01500    12.67143
 0.02000     9.91273
 0.02500     8.74347
 0.03000     8.11286
 0.04000     7.42401
 0.05000     7.09060
 0.07500     6.74342
 0.10000     6.63891
 0.15000     6.64290
 0.20000     6.69332
 0.35000     6.83640
 0.50000     6.87919
 0.75000     6.77956
 1.00000     6.56238
 1.50000     6.04485
 2.00000     5.54479
 2.50000     5.11922
```

# CHPRC-01905, Revision 0

```
3.00000      4.75653
4.00000      4.18394
5.00000      3.74898
7.50000      3.01032
10.00000     2.51293
15.00000     1.82746
19.60000     1.39715
reset:
title: MCNP5 pu-pl-0850-01
reference: MCNP5 pu-pl-0850-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:33 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    32.68444
  0.01100    20.61441
  0.01200    16.20094
  0.01500    11.14412
  0.02000    8.35976
  0.02500    7.21324
  0.03000    6.55760
  0.04000    5.87505
  0.05000    5.52759
  0.07500    5.15957
  0.10000    5.04123
  0.15000    5.00385
  0.20000    5.03987
  0.35000    5.19003
  0.50000    5.22437
  0.75000    5.15136
  1.00000    4.97941
  1.50000    4.52551
  2.00000    4.09807
  2.50000    3.72815
  3.00000    3.42307
  4.00000    2.94110
  5.00000    2.57684
  7.50000    1.97953
10.00000    1.59884
15.00000    1.12972
19.60000    0.86646
reset:
title: MCNP5 pu-pl-0850-10
reference: MCNP5 pu-pl-0850-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:33 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: h2o
reflthick:   10 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    31.19810
  0.01100    19.45726
  0.01200    15.04148
  0.01500    9.97440
  0.02000    7.18832
  0.02500    5.99866
  0.03000    5.32393
```

# CHPRC-01905, Revision 0

```
0.04000 4.58129
0.05000 4.19346
0.07500 3.72602
0.10000 3.53385
0.15000 3.38922
0.20000 3.35219
0.35000 3.34268
0.50000 3.33704
0.75000 3.24111
1.00000 3.08550
1.50000 2.75696
2.00000 2.44495
2.50000 2.18500
3.00000 1.97662
4.00000 1.64916
5.00000 1.41030
7.50000 1.02746
10.00000 0.80045
15.00000 0.54174
19.60000 0.41263
reset:
title: MCNP5 pu-pl-0900-00
reference: MCNP5 pu-pl-0900-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:14 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: none
reflthick: 0 in
keff: 1.0
var: critconc g/cc
var: height in
0.01000 22.24336
0.01100 17.38900
0.01200 14.78101
0.01500 11.29692
0.02000 9.12404
0.02500 8.15085
0.03000 7.60226
0.04000 7.00756
0.05000 6.70070
0.07500 6.37623
0.10000 6.27035
0.15000 6.23515
0.20000 6.27713
0.35000 6.36208
0.50000 6.34537
0.75000 6.24069
1.00000 6.05278
1.50000 5.61083
2.00000 5.20131
2.50000 4.83211
3.00000 4.52535
4.00000 4.02326
5.00000 3.62682
7.50000 2.93309
10.00000 2.45886
15.00000 1.79198
19.60000 1.37238
reset:
title: MCNP5 pu-pl-0900-01
reference: MCNP5 pu-pl-0900-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:15 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
```

# CHPRC-01905, Revision 0

```
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    20.71453
  0.01100    15.79315
  0.01200    13.28083
  0.01500    9.76182
  0.02000    7.58105
  0.02500    6.60541
  0.03000    6.05137
  0.04000    5.45398
  0.05000    5.12677
  0.07500    4.78574
  0.10000    4.67764
  0.15000    4.62956
  0.20000    4.64381
  0.35000    4.72112
  0.50000    4.72809
  0.75000    4.64412
  1.00000    4.48376
  1.50000    4.11283
  2.00000    3.75591
  2.50000    3.45282
  3.00000    3.19077
  4.00000    2.76743
  5.00000    2.44935
  7.50000    1.90252
  10.00000   1.54446
  15.00000   1.09461
  19.60000   0.84268
reset:
title: MCNP5 pu-pl-0900-10
reference: MCNP5 pu-pl-0900-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:30:15 2012
geometry: infplane
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
  0.01000    19.61757
  0.01100    14.63091
  0.01200    12.12507
  0.01500    8.62353
  0.02000    6.41306
  0.02500    5.42168
  0.03000    4.82978
  0.04000    4.17874
  0.05000    3.82970
  0.07500    3.40114
  0.10000    3.20498
  0.15000    3.05202
  0.20000    2.99993
  0.35000    2.95437
  0.50000    2.90729
  0.75000    2.82185
  1.00000    2.68528
  1.50000    2.41024
  2.00000    2.15812
  2.50000    1.95345
  3.00000    1.77901
  4.00000    1.50300
  5.00000    1.29393
```

# CHPRC-01905, Revision 0

```
    7.50000      0.95366
   10.00000      0.74631
   15.00000      0.51019
  19.60000      0.38768
reset:
title: MCNP5 pu-sp-0800-00
reference: MCNP5 pu-sp-0800-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:29 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: none
reflthick:      0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01300      39.63991
  0.01500      31.26109
  0.01800      25.84610
  0.02000      23.82292
  0.02200      22.37240
  0.02400      21.32274
  0.02500      20.90799
  0.02600      20.46797
  0.02800      19.85578
  0.03000      19.34407
  0.03200      18.92260
  0.03600      18.22523
  0.04000      17.70767
  0.04500      17.30286
  0.05000      16.92602
  0.07500      16.19044
  0.10000      15.99300
  0.15000      16.04585
  0.20000      16.24596
  0.35000      16.76204
  0.50000      16.97257
  0.75000      16.76422
 1.00000      16.28149
 1.50000      15.04018
 2.00000      13.84421
 2.50000      12.78921
 3.00000      11.92049
 4.00000      10.55829
 5.00000      9.54573
 6.00000      8.76371
 7.00000      8.12693
 7.50000      7.84247
 8.00000      7.59373
 9.00000      7.13594
 10.00000     6.73071
 15.00000     5.18588
 19.60000     4.16854
reset:
title: MCNP5 pu-sp-0800-01
reference: MCNP5 pu-sp-0800-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:29 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick:      1 in
keff: 1.0
var: critconc g/cc
var: diameter in
```

# CHPRC-01905, Revision 0

```
0.01300 38.17939
0.01500 29.66321
0.01800 24.24138
0.02000 22.24322
0.02200 20.81616
0.02400 19.76781
0.02500 19.31574
0.02600 18.95469
0.02800 18.31202
0.03000 17.78064
0.03200 17.34455
0.03600 16.66587
0.04000 16.16527
0.04500 15.74911
0.05000 15.39596
0.07500 14.61186
0.10000 14.39452
0.15000 14.42034
0.20000 14.61312
0.35000 15.11029
0.50000 15.31318
0.75000 15.19525
1.00000 14.77087
1.50000 13.55168
2.00000 12.42938
2.50000 11.47167
3.00000 10.64450
4.00000 9.39219
5.00000 8.49686
6.00000 7.76960
7.00000 7.19599
7.50000 6.94882
8.00000 6.71452
9.00000 6.30846
10.00000 5.95103
15.00000 4.62126
19.60000 3.77621
reset:
title: MCNP5 pu-sp-0800-10
reference: MCNP5 pu-sp-0800-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:30 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.80 Pu240 0.20
reflmat: h2o
reflthick: 10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.01300 36.92308
0.01500 28.63718
0.01800 23.10222
0.02000 21.04903
0.02200 19.64364
0.02400 18.56642
0.02500 18.18796
0.02600 17.74770
0.02800 17.07808
0.03000 16.58880
0.03200 16.12022
0.03600 15.42857
0.04000 14.90533
0.04500 14.43273
0.05000 14.06149
0.07500 13.20097
0.10000 12.92155
0.15000 12.81432
0.20000 12.93569
```

# CHPRC-01905, Revision 0

```
0.35000 13.31596
0.50000 13.45249
0.75000 13.29718
1.00000 12.88563
1.50000 11.85767
2.00000 10.85298
2.50000 10.00942
3.00000 9.33034
4.00000 8.24274
5.00000 7.44975
6.00000 6.83970
7.00000 6.34507
7.50000 6.13352
8.00000 5.93772
9.00000 5.59248
10.00000 5.28586
15.00000 4.15402
19.60000 3.43831
reset:
title: MCNP5 pu-sp-0850-00
reference: MCNP5 pu-sp-0850-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:39 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.85 Pu240 0.15
reflmat: none
reflthick: 0 in
keff: 1.0
var: critconc g/cc
var: diameter in
 0.01000 70.14702
 0.01300 32.66236
 0.01500 27.29520
 0.01800 23.28435
 0.02000 21.71229
 0.02200 20.56427
 0.02400 19.70288
 0.02500 19.40919
 0.02600 19.03189
 0.02800 18.50057
 0.03000 18.06633
 0.03200 17.68403
 0.03600 17.12580
 0.04000 16.68668
 0.04500 16.32700
 0.05000 16.02313
 0.07500 15.34697
 0.10000 15.14793
 0.15000 15.14924
 0.20000 15.30079
 0.35000 15.64277
 0.50000 15.77610
 0.75000 15.60238
 1.00000 15.13494
 1.50000 14.07723
 2.00000 13.05399
 2.50000 12.17546
 3.00000 11.39625
 4.00000 10.20133
 5.00000 9.27716
 6.00000 8.54596
 7.00000 7.95258
 7.50000 7.69209
 8.00000 7.43944
 9.00000 6.99513
10.00000 6.61361
15.00000 5.10787
19.60000 4.11057
```

# CHPRC-01905, Revision 0

```
reset:  
title: MCNP5 pu-sp-0850-01  
reference: MCNP5 pu-sp-0850-01  
set: MCNP5 set  
source: MCNP5 2012  
created: Thu Jul 19 15:19:40 2012  
geometry: sphere  
modmat: h2o  
critmat: Pu (elemental)  
isomat: Pu239 0.85 Pu240 0.15  
reflmat: h2o  
reflthick: 1 in  
keff: 1.0  
var: critconc g/cc  
var: diameter in  
0.01000 68.76865  
0.01300 31.12172  
0.01500 25.72084  
0.01800 21.80595  
0.02000 20.17627  
0.02200 19.07987  
0.02400 18.21700  
0.02500 17.83464  
0.02600 17.53272  
0.02800 16.95868  
0.03000 16.52634  
0.03200 16.19753  
0.03600 15.58296  
0.04000 15.14618  
0.04500 14.81972  
0.05000 14.47421  
0.07500 13.78023  
0.10000 13.59067  
0.15000 13.56917  
0.20000 13.70230  
0.35000 14.06197  
0.50000 14.16184  
0.75000 14.01966  
1.00000 13.61256  
1.50000 12.60221  
2.00000 11.67191  
2.50000 10.84708  
3.00000 10.15393  
4.00000 9.04921  
5.00000 8.20269  
6.00000 7.54547  
7.00000 7.01308  
7.50000 6.77681  
8.00000 6.56613  
9.00000 6.17492  
10.00000 5.82668  
15.00000 4.54338  
19.60000 3.71477  
reset:  
title: MCNP5 pu-sp-0850-10  
reference: MCNP5 pu-sp-0850-10  
set: MCNP5 set  
source: MCNP5 2012  
created: Thu Jul 19 15:19:40 2012  
geometry: sphere  
modmat: h2o  
critmat: Pu (elemental)  
isomat: Pu239 0.85 Pu240 0.15  
reflmat: h2o  
reflthick: 10 in  
keff: 1.0  
var: critconc g/cc  
var: diameter in  
0.01000 67.77274  
0.01300 30.07209  
0.01500 24.59040
```

# CHPRC-01905, Revision 0

```
0.01800    20.61863
0.02000    19.02609
0.02200    17.88607
0.02400    17.02950
0.02500    16.66711
0.02600    16.35369
0.02800    15.78925
0.03000    15.31570
0.03200    14.93540
0.03600    14.38219
0.04000    13.91037
0.04500    13.50272
0.05000    13.18544
0.07500    12.40000
0.10000    12.12986
0.15000    12.01347
0.20000    12.05969
0.35000    12.25222
0.50000    12.36930
0.75000    12.20187
1.00000    11.85394
1.50000    10.96025
2.00000    10.15351
2.50000    9.45534
3.00000    8.83695
4.00000    7.89506
5.00000    7.19211
6.00000    6.63054
7.00000    6.17801
7.50000    5.97414
8.00000    5.79050
9.00000    5.45193
10.00000   5.16631
15.00000   4.07140
19.60000   3.38219
reset:
title: MCNP5 pu-sp-0900-00
reference: MCNP5 pu-sp-0900-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:58 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: none
reflthick:      0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    46.53444
  0.01300    28.38925
  0.01500    24.53542
  0.01800    21.39500
  0.02000    20.09351
  0.02200    19.15469
  0.02400    18.43292
  0.02500    18.12308
  0.02600    17.81754
  0.02800    17.36757
  0.03000    16.98972
  0.03200    16.69286
  0.03600    16.17098
  0.04000    15.79555
  0.04500    15.44106
  0.05000    15.21004
  0.07500    14.54955
  0.10000    14.38436
  0.15000    14.37798
  0.20000    14.40797
  0.35000    14.63548
```

# CHPRC-01905, Revision 0

```
0.50000 14.70074
0.75000 14.45726
1.00000 14.07197
1.50000 13.18724
2.00000 12.32440
2.50000 11.54640
3.00000 10.92314
4.00000 9.84414
5.00000 9.00967
6.00000 8.32860
7.00000 7.77186
7.50000 7.52071
8.00000 7.28879
9.00000 6.87096
10.00000 6.49903
15.00000 5.02549
19.60000 4.05172
reset:
title: MCNP5 pu-sp-0900-01
reference: MCNP5 pu-sp-0900-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:58 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000 44.98222
  0.01300 26.84643
  0.01500 22.98913
  0.01800 19.84512
  0.02000 18.59911
  0.02200 17.63726
  0.02400 16.92228
  0.02500 16.64347
  0.02600 16.31641
  0.02800 15.85052
  0.03000 15.46577
  0.03200 15.16126
  0.03600 14.63996
  0.04000 14.28846
  0.04500 13.91282
  0.05000 13.65361
  0.07500 13.00025
  0.10000 12.81170
  0.15000 12.76313
  0.20000 12.83970
  0.35000 13.04872
  0.50000 13.08440
  0.75000 12.89180
  1.00000 12.56231
  1.50000 11.73451
  2.00000 10.97307
  2.50000 10.26097
  3.00000 9.67110
  4.00000 8.68804
  5.00000 7.92819
  6.00000 7.34092
  7.00000 6.83039
  7.50000 6.62270
  8.00000 6.40983
  9.00000 6.03826
  10.00000 5.71241
  15.00000 4.45918
  19.60000 3.66255
reset:
```

# CHPRC-01905, Revision 0

```
title: MCNP5 pu-sp-0900-10
reference: MCNP5 pu-sp-0900-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Jul 19 15:19:58 2012
geometry: sphere
modmat: h2o
critmat: Pu (elemental)
isomat: Pu239 0.90 Pu240 0.10
reflmat: h2o
reflthick: 10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.01000    44.10576
  0.01300    25.78350
  0.01500    21.88444
  0.01800    18.76527
  0.02000    17.43509
  0.02200    16.45492
  0.02400    15.74661
  0.02500    15.46332
  0.02600    15.16964
  0.02800    14.70305
  0.03000    14.28520
  0.03200    13.97000
  0.03600    13.41102
  0.04000    13.03295
  0.04500    12.67083
  0.05000    12.39981
  0.07500    11.66054
  0.10000    11.39351
  0.15000    11.24395
  0.20000    11.25430
  0.35000    11.35131
  0.50000    11.37372
  0.75000    11.20113
  1.00000    10.86955
  1.50000    10.16317
  2.00000    9.50389
  2.50000    8.90823
  3.00000    8.39254
  4.00000    7.55929
  5.00000    6.93532
  6.00000    6.42358
  7.00000    6.00246
  7.50000    5.80682
  8.00000    5.64865
  9.00000    5.32335
  10.00000   5.05178
  15.00000   4.00177
  19.60000   3.32852
reset:
title: MCNP5 u5o2-sp-0013-00
reference: MCNP5 u5o2-sp-0013-00
set: MCNP5 set
source: MCNP5 2012
created: Tue Sep 18 07:56:59 2012
geometry: sphere
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick: 0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  2.00000   164.70096
  2.10000   106.61614
  2.30000   73.76248
  2.50000   61.35424
```

# CHPRC-01905, Revision 0

```
2.70000      55.69356
3.00000      50.30401
3.50000      47.34614
4.00000      47.72062
4.50000      50.24627
5.00000      56.44443
5.50000      66.97571
6.00000      97.64510
reset:
title: MCNP5 u5o2-sp-0013-01
reference: MCNP5 u5o2-sp-0013-01
set: MCNP5 set
source: MCNP5 2012
created: Tue Sep 18 07:57:00 2012
geometry: sphere
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: diameter in
2.00000      176.07147
2.10000      100.96270
2.30000      69.81750
2.50000      60.14957
2.70000      53.58979
3.00000      48.77191
3.50000      45.38754
4.00000      45.64935
4.50000      48.61695
5.00000      54.19748
5.50000      64.62858
6.00000      93.61111
reset:
title: MCNP5 u5o2-sp-0013-10
reference: MCNP5 u5o2-sp-0013-10
set: MCNP5 set
source: MCNP5 2012
created: Tue Sep 18 07:57:00 2012
geometry: sphere
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
2.00000      187.18756
2.10000      103.51804
2.30000      71.20897
2.50000      56.81763
2.70000      51.64961
3.00000      47.07087
3.50000      44.42649
4.00000      44.51389
4.50000      46.47540
5.00000      52.32954
5.50000      63.51431
6.00000      93.09525
reset:
title: MCNP5 u5o2-icyl-0013-00
reference: MCNP5 u5o2-icyl-0013-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:39:44 2012
geometry: infcyl
modmat: h2o
critmat: UO2
```

# CHPRC-01905, Revision 0

```
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  2.00000   129.96236
  2.10000   82.07787
  2.30000   56.16816
  2.50000   46.48894
  2.70000   41.57032
  3.00000   37.98650
  3.50000   35.75774
  4.00000   36.14687
  4.50000   38.16728
  5.00000   42.49515
  5.50000   50.95908
  6.00000   73.39534
reset:
title: MCNP5 u5o2-icyl-0013-01
reference: MCNP5 u5o2-icyl-0013-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:39:45 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  2.00000   138.67648
  2.10000   80.82191
  2.30000   54.18024
  2.50000   44.29034
  2.70000   40.17500
  3.00000   36.54882
  3.50000   33.98254
  4.00000   34.30099
  4.50000   36.24406
  5.00000   40.53788
  5.50000   49.03481
  6.00000   71.02107
reset:
title: MCNP5 u5o2-icyl-0013-10
reference: MCNP5 u5o2-icyl-0013-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:39:45 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  2.00000   134.64279
  2.10000   79.17585
  2.30000   52.19252
  2.50000   43.33076
  2.70000   38.60791
  3.00000   34.85956
  3.50000   31.97252
  4.00000   32.57013
  4.50000   34.37897
  5.00000   38.54507
  5.50000   46.35874
```

# CHPRC-01905, Revision 0

```
 6.00000   67.00842
reset:
title: MCNP5 u5o2-icyl-0025-00
reference: MCNP5 u5o2-icyl-0025-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:40:46 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.80000   62.18463
  0.90000   37.99142
  1.00000   30.38421
  1.20000   24.37744
  1.50000   20.70036
  1.70000   19.53285
  1.90000   18.80992
  2.00000   18.55479
  2.10000   18.35058
  2.50000   17.92140
  3.00000   17.98556
  4.00000   19.06516
  5.00000   21.50483
  6.00000   26.08858
  7.00000   36.06952
  7.50000   49.28650
  8.00000   124.02617
reset:
title: MCNP5 u5o2-icyl-0025-01
reference: MCNP5 u5o2-icyl-0025-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:40:47 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.80000   60.48802
  0.90000   36.37122
  1.00000   28.94127
  1.20000   22.76969
  1.50000   19.10492
  1.70000   17.89498
  1.90000   17.16703
  2.00000   16.91160
  2.10000   16.64186
  2.50000   16.20863
  3.00000   16.22066
  4.00000   17.17933
  5.00000   19.60774
  6.00000   23.97141
  7.00000   34.16537
  7.50000   47.11351
  8.00000   115.83347
reset:
title: MCNP5 u5o2-icyl-0025-10
reference: MCNP5 u5o2-icyl-0025-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:40:47 2012
```

# CHPRC-01905, Revision 0

```
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.80000   58.92733
  0.90000   35.12013
  1.00000   27.81568
  1.20000   21.40678
  1.50000   17.68482
  1.70000   16.45423
  1.90000   15.69890
  2.00000   15.40049
  2.10000   15.14459
  2.50000   14.63017
  3.00000   14.50972
  4.00000   15.28139
  5.00000   17.29020
  6.00000   21.37854
  7.00000   30.94680
  7.50000   43.54652
  8.00000   112.17603
reset:
title: MCNP5 u5o2-icyl-0030-00
reference: MCNP5 u5o2-icyl-0030-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:44:46 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.65000   52.90644
  0.80000   29.10182
  0.90000   24.91401
  1.00000   22.39754
  1.20000   19.54626
  1.50000   17.68596
  1.70000   17.08689
  1.90000   16.64794
  2.00000   16.49863
  2.10000   16.42640
  2.50000   16.20983
  3.00000   16.39698
  4.00000   17.58784
  5.00000   19.77283
  6.00000   23.64555
  7.00000   31.26123
  7.50000   39.09934
  8.00000   58.38044
reset:
title: MCNP5 u5o2-icyl-0030-01
reference: MCNP5 u5o2-icyl-0030-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:44:46 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick:    1 in
```

# CHPRC-01905, Revision 0

```
keff: 1.0
var: critconc g/cc
var: diameter in
  0.65000      51.59723
  0.80000      27.64526
  0.90000      23.25037
  1.00000      20.77984
  1.20000      18.02640
  1.50000      16.10108
  1.70000      15.40426
  1.90000      15.01714
  2.00000      14.83333
  2.10000      14.69777
  2.50000      14.51543
  3.00000      14.66537
  4.00000      15.77473
  5.00000      17.89960
  6.00000      21.65729
  7.00000      29.10148
  7.50000      36.86686
  8.00000      55.60078
reset:
title: MCNP5 u5o2-icyl-0030-10
reference: MCNP5 u5o2-icyl-0030-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:44:47 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.65000      50.09356
  0.80000      26.34936
  0.90000      21.92238
  1.00000      19.44931
  1.20000      16.67667
  1.50000      14.68481
  1.70000      13.94669
  1.90000      13.46577
  2.00000      13.29670
  2.10000      13.17328
  2.50000      12.93473
  3.00000      12.90744
  4.00000      13.77081
  5.00000      15.55838
  6.00000      18.92213
  7.00000      25.88607
  7.50000      33.23199
  8.00000      52.38211
reset:
title: MCNP5 u5o2-icyl-0040-00
reference: MCNP5 u5o2-icyl-0040-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:49:03 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.50000      37.23810
  0.65000      23.23372
```

# CHPRC-01905, Revision 0

```
0.80000 19.30098
0.90000 17.92257
1.00000 16.99405
1.20000 15.83260
1.50000 14.97063
1.70000 14.63947
1.90000 14.50382
2.00000 14.44807
2.10000 14.41922
2.50000 14.45743
3.00000 14.77533
4.00000 16.00387
5.00000 17.93250
6.00000 20.99857
7.00000 26.38149
7.50000 31.06918
8.00000 38.65512
reset:
title: MCNP5 u5o2-icyl-0040-01
reference: MCNP5 u5o2-icyl-0040-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:49:04 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.50000 35.41445
0.65000 21.66610
0.80000 17.71367
0.90000 16.32500
1.00000 15.38833
1.20000 14.18962
1.50000 13.29553
1.70000 12.97569
1.90000 12.82507
2.00000 12.76638
2.10000 12.70736
2.50000 12.73347
3.00000 13.04435
4.00000 14.18269
5.00000 16.04344
6.00000 19.04438
7.00000 24.31779
7.50000 28.80716
8.00000 36.38390
reset:
title: MCNP5 u5o2-icyl-0040-10
reference: MCNP5 u5o2-icyl-0040-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:49:05 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: h2o
reflthick: 10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.50000 34.37245
0.65000 20.38818
0.80000 16.43979
0.90000 15.00354
1.00000 14.05471
```

# CHPRC-01905, Revision 0

```
1.20000    12.82662
1.50000    11.86176
1.70000    11.52698
1.90000    11.31004
2.00000    11.22527
2.10000    11.16306
2.50000    11.12823
3.00000    11.25011
4.00000    12.12816
5.00000    13.71794
6.00000    16.34902
7.00000    21.05548
7.50000    25.18554
8.00000    32.37816
reset:
title: MCNP5 u5o2-icyl-0050-00
reference: MCNP5 u5o2-icyl-0050-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:50:11 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: none
reflthick:      0 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.35000    56.72529
  0.40000    33.01232
  0.50000    22.70848
  0.65000    18.04085
  0.80000    16.11350
  0.90000    15.35502
  1.00000    14.81121
  1.20000    14.09389
  1.50000    13.58978
  1.70000    13.46163
  1.90000    13.40125
  2.00000    13.38823
  2.10000    13.38262
  2.50000    13.54623
  3.00000    13.89102
  4.00000    15.08043
  5.00000    16.93550
  6.00000    19.57407
  7.00000    23.81865
  7.50000    27.24393
  8.00000    31.87575
reset:
title: MCNP5 u5o2-icyl-0050-01
reference: MCNP5 u5o2-icyl-0050-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:50:12 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick:      1 in
keff: 1.0
var: critconc g/cc
var: diameter in
  0.35000    54.93334
  0.40000    31.43462
  0.50000    21.21938
  0.65000    16.51095
  0.80000    14.52478
  0.90000    13.73343
  1.00000    13.19401
```

# CHPRC-01905, Revision 0

```
1.20000 12.48305
1.50000 11.95941
1.70000 11.81085
1.90000 11.73477
2.00000 11.72604
2.10000 11.72606
2.50000 11.80569
3.00000 12.18514
4.00000 13.27886
5.00000 15.01382
6.00000 17.60245
7.00000 21.80759
7.50000 24.98549
8.00000 29.80478
reset:
title: MCNP5 u5o2-icyl-0050-10
reference: MCNP5 u5o2-icyl-0050-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:50:12 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick: 10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.35000 53.82606
0.40000 30.27028
0.50000 19.97047
0.65000 15.24781
0.80000 13.22993
0.90000 12.45163
1.00000 11.86285
1.20000 11.10354
1.50000 10.52789
1.70000 10.30618
1.90000 10.18071
2.00000 10.11933
2.10000 10.14586
2.50000 10.17576
3.00000 10.38946
4.00000 11.23031
5.00000 12.68913
6.00000 14.85487
7.00000 18.49426
7.50000 21.46719
8.00000 25.78195
reset:
title: MCNP5 u5o2-icyl-0060-00
reference: MCNP5 u5o2-icyl-0060-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:50:24 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: none
reflthick: 0 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.35000 27.95087
0.40000 22.84823
0.50000 18.43024
0.65000 15.73604
0.80000 14.46882
0.90000 13.95039
```

# CHPRC-01905, Revision 0

```
1.00000 13.59158
1.20000 13.11400
1.50000 12.81796
1.70000 12.73706
1.90000 12.73560
2.00000 12.73274
2.10000 12.76995
2.50000 12.94233
3.00000 13.37593
4.00000 14.52621
5.00000 16.27359
6.00000 18.59297
7.00000 22.18283
7.50000 24.75725
8.00000 28.13728
9.00000 40.15569
reset:
title: MCNP5 u5o2-icyl-0060-01
reference: MCNP5 u5o2-icyl-0060-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:50:25 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.35000 26.38790
0.40000 21.27413
0.50000 16.89518
0.65000 14.16259
0.80000 12.89604
0.90000 12.36095
1.00000 12.00128
1.20000 11.52346
1.50000 11.18658
1.70000 11.06013
1.90000 11.05294
2.00000 11.05380
2.10000 11.09590
2.50000 11.24293
3.00000 11.61784
4.00000 12.69590
5.00000 14.31938
6.00000 16.67118
7.00000 20.14947
7.50000 22.68847
8.00000 25.91053
9.00000 37.79545
reset:
title: MCNP5 u5o2-icyl-0060-10
reference: MCNP5 u5o2-icyl-0060-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:50:26 2012
geometry: infcyl
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick: 10 in
keff: 1.0
var: critconc g/cc
var: diameter in
0.35000 25.17824
0.40000 20.07703
0.50000 15.65833
```

# CHPRC-01905, Revision 0

```
0.65000 12.90732
0.80000 11.58490
0.90000 11.04687
1.00000 10.63259
1.20000 10.11848
1.50000 9.67132
1.70000 9.55660
1.90000 9.49582
2.00000 9.46460
2.10000 9.47297
2.50000 9.54569
3.00000 9.78146
4.00000 10.63233
5.00000 11.94561
6.00000 13.88937
7.00000 16.92622
7.50000 19.08531
8.00000 22.15398
9.00000 33.11944
reset:
title: MCNP5 u5o2-pl-0013-00
reference: MCNP5 u5o2-pl-0013-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 08:12:50 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick: 0 in
keff: 1.0
var: critconc g/cc
var: height in
2.00000 92.56503
2.10000 52.25444
2.30000 35.78048
2.50000 29.52515
2.70000 26.50000
3.00000 24.14460
3.50000 22.71585
4.00000 22.79459
4.50000 24.24710
5.00000 26.98701
5.50000 32.69250
6.00000 46.30812
reset:
title: MCNP5 u5o2-pl-0013-01
reference: MCNP5 u5o2-pl-0013-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 08:12:50 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: height in
2.00000 91.35148
2.10000 51.00655
2.30000 33.99337
2.50000 28.05582
2.70000 24.90420
3.00000 22.51880
3.50000 20.95282
4.00000 20.98059
4.50000 22.42078
5.00000 25.05975
```

# CHPRC-01905, Revision 0

```
5.50000      30.57637
6.00000      44.02413
reset:
title: MCNP5 u5o2-pl-0013-10
reference: MCNP5 u5o2-pl-0013-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 08:12:51 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
 2.00000     89.37500
 2.10000     47.89052
 2.30000     31.92309
 2.50000     26.32733
 2.70000     23.31340
 3.00000     20.77804
 3.50000     19.21227
 4.00000     19.12500
 4.50000     20.33275
 5.00000     22.84039
 5.50000     28.29671
 6.00000     42.04613
reset:
title: MCNP5 u5o2-pl-0025-00
reference: MCNP5 u5o2-pl-0025-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 08:04:11 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: height in
 0.80000     39.58033
 0.90000     24.07707
 1.00000     19.19830
 1.20000     15.21409
 1.50000     12.88356
 1.70000     12.12780
 1.90000     11.64696
 2.00000     11.47706
 2.10000     11.35000
 2.50000     11.06537
 3.00000     11.06870
 4.00000     11.81863
 5.00000     13.38038
 6.00000     16.35067
 7.00000     23.08019
 7.50000     31.68421
 8.00000     75.00021
reset:
title: MCNP5 u5o2-pl-0025-01
reference: MCNP5 u5o2-pl-0025-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 08:04:11 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
```

# CHPRC-01905, Revision 0

```
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.80000   37.98188
  0.90000   22.51168
  1.00000   17.64326
  1.20000   13.60355
  1.50000   11.24383
  1.70000   10.45839
  1.90000   9.98095
  2.00000   9.81366
  2.10000   9.65810
  2.50000   9.34988
  3.00000   9.31483
  4.00000   10.00819
  5.00000   11.47445
  6.00000   14.30853
  7.00000   20.91226
  7.50000   29.29111
  8.00000   75.15260
reset:
title: MCNP5 u5o2-pl-0025-10
reference: MCNP5 u5o2-pl-0025-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 08:04:12 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.025 U238 0.975
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
  0.80000   37.08376
  0.90000   21.22243
  1.00000   16.35610
  1.20000   12.26500
  1.50000   9.83347
  1.70000   9.00397
  1.90000   8.50609
  2.00000   8.28571
  2.10000   8.11849
  2.50000   7.72290
  3.00000   7.60397
  4.00000   7.99561
  5.00000   9.19222
  6.00000   11.67519
  7.00000   17.61939
  7.50000   25.51612
  8.00000   69.23077
reset:
title: MCNP5 u5o2-pl-0030-00
reference: MCNP5 u5o2-pl-0030-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:58:40 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: height in
  0.65000   34.00371
  0.80000   18.40389
```

# CHPRC-01905, Revision 0

```
0.90000 15.57956
1.00000 13.90474
1.20000 12.16961
1.50000 10.94214
1.70000 10.52174
1.90000 10.20651
2.00000 10.13662
2.10000 10.08576
2.50000 9.97611
3.00000 10.08297
4.00000 10.85564
5.00000 12.28605
6.00000 14.75622
7.00000 19.74405
7.50000 25.00244
8.00000 37.31068
reset:
title: MCNP5 u5o2-pl-0030-01
reference: MCNP5 u5o2-pl-0030-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:58:41 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: height in
0.65000 32.08672
0.80000 16.79322
0.90000 13.96698
1.00000 12.29759
1.20000 10.54344
1.50000 9.29501
1.70000 8.84000
1.90000 8.56362
2.00000 8.46256
2.10000 8.39813
2.50000 8.25068
3.00000 8.32875
4.00000 9.01941
5.00000 10.37562
6.00000 12.77712
7.00000 17.58935
7.50000 22.71029
8.00000 35.13717
reset:
title: MCNP5 u5o2-pl-0030-10
reference: MCNP5 u5o2-pl-0030-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:58:41 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.030 U238 0.970
reflmat: h2o
reflthick: 10 in
keff: 1.0
var: critconc g/cc
var: height in
0.65000 31.33333
0.80000 15.55263
0.90000 12.69862
1.00000 11.01615
1.20000 9.16577
1.50000 7.86387
1.70000 7.37859
```

# CHPRC-01905, Revision 0

```

1.90000      7.08740
2.00000      6.93242
2.10000      6.85635
2.50000      6.63252
3.00000      6.57203
4.00000      7.03722
5.00000      8.05035
6.00000      10.06302
7.00000      14.40757
7.50000      18.86482
8.00000      30.81668

reset:
title: MCNP5 u5o2-pl-0040-00
reference: MCNP5 u5o2-pl-0040-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:52:00 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
refilmat: none
reflthick:      0 in
keff: 1.0
var: critconc g/cc
var: height in
  0.50000    23.38820
  0.65000    14.50931
  0.80000    11.95000
  0.90000    11.05871
  1.00000    10.46581
  1.20000    9.71745
  1.50000    9.13898
  1.70000    8.94491
  1.90000    8.83786
  2.00000    8.80304
  2.10000    8.80253
  2.50000    8.82741
  3.00000    9.03674
  4.00000    9.80584
  5.00000    11.08452
  6.00000    13.08903
  7.00000    16.53467
  7.50000    19.59688
  8.00000    24.63878
  9.00000    236.18118

reset:
title: MCNP5 u5o2-pl-0040-01
reference: MCNP5 u5o2-pl-0040-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:52:01 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
refilmat: h2o
reflthick:      1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.50000    21.90506
  0.65000    12.92429
  0.80000    10.37653
  0.90000    9.44878
  1.00000    8.86287
  1.20000    8.08498
  1.50000    7.48193
  1.70000    7.27660
  1.90000    7.16504
  2.00000    7.12467

```

# CHPRC-01905, Revision 0

```
2.10000      7.10572
2.50000      7.11019
3.00000      7.27470
4.00000      7.97561
5.00000      9.17137
6.00000     11.06377
7.00000     14.43676
7.50000     17.36190
8.00000     22.33382
9.00000    247.85440
reset:
title: MCNP5 u5o2-pl-0040-10
reference: MCNP5 u5o2-pl-0040-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:52:02 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.040 U238 0.960
reflmat: h2o
reflthick:   10 in
keff: 1.0
var: critconc g/cc
var: height in
 0.50000    20.68362
 0.65000    11.66647
 0.80000    9.07541
 0.90000    8.15654
 1.00000    7.52393
 1.20000    6.69420
 1.50000    6.05436
 1.70000    5.77866
 1.90000    5.62839
 2.00000    5.57023
 2.10000    5.51884
 2.50000    5.43521
 3.00000    5.48161
 4.00000    5.91321
 5.00000    6.81432
 6.00000    8.31849
 7.00000    11.14570
 7.50000    13.71051
 8.00000    18.36525
 9.00000    253.75995
reset:
title: MCNP5 u5o2-pl-0050-00
reference: MCNP5 u5o2-pl-0050-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:51:47 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: none
reflthick:   0 in
keff: 1.0
var: critconc g/cc
var: height in
 0.35000    36.21810
 0.40000    20.84901
 0.50000    14.16907
 0.65000    11.16250
 0.80000    9.88995
 0.90000    9.39238
 1.00000    9.04750
 1.20000    8.59371
 1.50000    8.26766
 1.70000    8.17905
 1.90000    8.13763
```

# CHPRC-01905, Revision 0

```
2.00000      8.12634
2.10000      8.13333
2.50000      8.22691
3.00000      8.46657
4.00000      9.24195
5.00000     10.41727
6.00000     12.14234
7.00000     14.89758
7.50000     17.05833
8.00000     20.21758
9.00000     35.77457
reset:
title: MCNP5 u5o2-pl-0050-01
reference: MCNP5 u5o2-pl-0050-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:51:48 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: height in
 0.35000    34.40181
 0.40000    19.35241
 0.50000    12.66829
 0.65000    9.57050
 0.80000    8.29544
 0.90000    7.80170
 1.00000    7.43952
 1.20000    6.97642
 1.50000    6.61509
 1.70000    6.49798
 1.90000    6.44538
 2.00000    6.45000
 2.10000    6.43396
 2.50000    6.49528
 3.00000    6.71255
 4.00000    7.38907
 5.00000    8.49358
 6.00000   10.14282
 7.00000   12.80112
 7.50000   14.89873
 8.00000   17.93593
 9.00000   33.36869
reset:
title: MCNP5 u5o2-pl-0050-10
reference: MCNP5 u5o2-pl-0050-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:51:49 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.050 U238 0.950
reflmat: h2o
reflthick:   10 in
keff: 1.0
var: critconc g/cc
var: height in
 0.35000    33.40000
 0.40000    18.09178
 0.50000    11.38892
 0.65000    8.30529
 0.80000    6.98814
 0.90000    6.46927
 1.00000    6.07930
 1.20000    5.57823
```

# CHPRC-01905, Revision 0

```
1.50000      5.14653
1.70000      4.99408
1.90000      4.88753
2.00000      4.85769
2.10000      4.84072
2.50000      4.79073
3.00000      4.87414
4.00000      5.29496
5.00000      6.10760
6.00000      7.34904
7.00000      9.53866
7.50000     11.28819
8.00000     13.92362
9.00000     27.89044
reset:
title: MCNP5 u5o2-pl-0060-00
reference: MCNP5 u5o2-pl-0060-00
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:51:35 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
var: height in
  0.35000     17.54510
  0.40000     14.26265
  0.50000     11.37982
  0.65000     9.66121
  0.80000     8.85386
  0.90000     8.50242
  1.00000     8.26858
  1.20000     7.97255
  1.50000     7.74838
  1.70000     7.70311
  1.90000     7.70763
  2.00000     7.70606
  2.10000     7.72769
  2.50000     7.85544
  3.00000     8.09477
  4.00000     8.85434
  5.00000     9.95062
  6.00000     11.48742
  7.00000     13.83077
  7.50000     15.49288
  8.00000     17.72839
  9.00000     25.58214
 10.00000     55.44000
reset:
title: MCNP5 u5o2-pl-0060-01
reference: MCNP5 u5o2-pl-0060-01
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug  2 07:51:36 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick:    1 in
keff: 1.0
var: critconc g/cc
var: height in
  0.35000     16.03427
  0.40000     12.65774
  0.50000     9.82436
  0.65000     8.07644
```

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```
0.80000    7.23549
0.90000    6.88863
1.00000    6.66072
1.20000    6.33275
1.50000    6.10960
1.70000    6.04222
1.90000    6.01727
2.00000    6.03354
2.10000    6.03277
2.50000    6.13350
3.00000    6.34232
4.00000    7.04052
5.00000    8.04784
6.00000    9.51972
7.00000    11.74856
7.50000    13.38592
8.00000    15.50728
9.00000    23.36872
10.00000   53.44692
reset:
title: MCNP5 u5o2-pl-0060-10
reference: MCNP5 u5o2-pl-0060-10
set: MCNP5 set
source: MCNP5 2012
created: Thu Aug 02 07:51:36 2012
geometry: infplane
modmat: h2o
critmat: UO2
isomat: U235 0.060 U238 0.940
reflmat: h2o
reflthick:    10 in
keff: 1.0
var: critconc g/cc
var: height in
0.35000    14.74163
0.40000    11.47311
0.50000    8.60052
0.65000    6.78658
0.80000    5.92448
0.90000    5.55817
1.00000    5.28469
1.20000    4.92198
1.50000    4.60635
1.70000    4.49717
1.90000    4.42670
2.00000    4.39451
2.10000    4.39263
2.50000    4.39165
3.00000    4.49958
4.00000    4.90418
5.00000    5.62514
6.00000    6.72288
7.00000    8.47295
7.50000    9.82757
8.00000    11.59598
9.00000    18.48256
10.00000   47.40163
reset:
title: MCNP5 u5-sp-0013-00 - critical
reference: MCNP5 u5-sp-0013-00 - critical
set: MCNP5 set
source: MCNP5 primary
created: Thu Sep 20 07:24:44 2012
geometry: sphere
modmat: h2o
critmat: U (elemental)
isomat: U235 0.013 U238 0.987
reflmat: none
reflthick:    0 in
keff: 1.0
var: critconc g/cc
```

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```
var: diameter in
 1.90000 184.10001
 2.00000 102.52340
 2.10000 82.23731
 2.30000 61.85484
 2.50000 54.74334
 2.70000 49.16667
 3.00000 45.27273
 3.50000 41.44514
 4.00000 40.73560
 4.50000 41.13303
 5.00000 41.49468
 5.50000 44.06871
 6.00000 46.89128
 7.00000 56.82392
 7.50000 65.88434
 8.00000 83.33984
reset:
title: MCNP5 u5-sp-0013-01 - critical
reference: MCNP5 u5-sp-0013-01 - critical
set: MCNP5 set
source: MCNP5 primary
created: Thu Sep 20 07:24:44 2012
geometry: sphere
modmat: h2o
critmat: U (elemental)
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick: 1 in
keff: 1.0
var: critconc g/cc
var: diameter in
 1.90000 172.08614
 2.00000 101.54178
 2.10000 79.50726
 2.30000 62.24281
 2.50000 52.87877
 2.70000 47.58498
 3.00000 43.56797
 3.50000 40.36427
 4.00000 39.25686
 4.50000 39.14106
 5.00000 40.21290
 5.50000 42.23049
 6.00000 44.21875
 7.00000 54.17822
 7.50000 63.67805
 8.00000 81.18975
reset:
title: MCNP5 u5-sp-0013-10 - critical
reference: MCNP5 u5-sp-0013-10 - critical
set: MCNP5 set
source: MCNP5 primary
created: Thu Sep 20 07:24:45 2012
geometry: sphere
modmat: h2o
critmat: U (elemental)
isomat: U235 0.013 U238 0.987
reflmat: h2o
reflthick: 10 in
keff: 1.0
var: critconc g/cc
var: diameter in
 1.90000 168.89525
 2.00000 101.11816
 2.10000 76.50324
 2.30000 59.98410
 2.50000 52.02407
 2.70000 46.44517
 3.00000 41.95238
 3.50000 38.93711
```

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```
4.00000 37.78473
4.50000 37.44864
5.00000 38.21825
5.50000 40.42394
6.00000 42.54967
7.00000 52.59695
7.50000 61.61098
8.00000 78.97059
!
!end of MCNP 2012 (k=1 only) data
!
```

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**APPENDIX D – TEMPLATE FILES FOR CASES**

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**Template File: pu-icyl-0800-00.template**

```

inf cyl, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|3.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2>   <massd|3.6>    -1           imp:n=1
21 2   -1.000     -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
22 0           2           imp:n=0

1          cz  <rd|4.4>           $ Sphere
2          cz  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
        0.00    0.00    0.10
        0.00    0.00    0.50

```

```

0.00    0.00    1.00
0.00    0.00    2.00
0.00    0.00    3.00
1.00    1.00    1.00
1.00    1.00    2.00
1.00    1.00    3.00
2.00    2.00    1.00
2.00    2.00    2.00
2.00    2.00    3.00
-1.00   -1.00   -1.00
-10.00  -10.00  -20.00
-10.00  -10.00  -30.00
c
m2      $ water
        1001.66c    2
        8016.66c    1
mt2    lwtr.60t
c      pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
        1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
        8016.66c -<massW/mass*(O/(2*H+O))|1.6>
        94239.66c -<massC*en/mass|1.6>
        94240.66c -<massC*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c      pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
        94239.66c -<en|1.6>
        94240.66c -<(1-en)|1.6>
c

```

**Template File: pu-icyl-0800-01.template**

```

inf cyl, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|3.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc

```

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```

c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
 20 <&GETMAT(massW)|2>  <massd|3.6>   -1           imp:n=1
 21 2   -1.000      -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
 22 0           2           imp:n=0

 1       cz  <rd|4.4>          $ Sphere
 2       cz  <rd+rw*in|4.4>      $ Reflection

mode n
kcode 2000 1.0 100  zzz0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
      -1.00   -1.00   -1.00
      -10.00  -10.00  -20.00
      -10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c    pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c    pu only
m12   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>

```

c

**Template File: pu-icyl-0800-10.template**

```

inf cyl, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|3.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2>  <massd|3.6>    -1          imp:n=1
21 2   -1.000     -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
22 0           2           imp:n=0

1      cz  <rd|4.4>           $ Sphere
2      cz  <rd+rw*in|4.4>       $ Reflection

```

```

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
      -1.00   -1.00   -1.00
     -10.00  -10.00  -20.00
     -10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c  pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c  pu only
m12   $ Pu/H2O Sludge, <en*100|3.6> Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

### Template File: pu-icyl-0850-00.template

```

inf cyl, 85.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|3.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>

```

```

c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
21 2 -1.000     -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0             2           imp:n=0

1          cz <rd|4.4>           $ Sphere
2          cz <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00   0.00   0.00
        0.00   0.00   0.10
        0.00   0.00   0.50
        0.00   0.00   1.00
        0.00   0.00   2.00
        0.00   0.00   3.00
        1.00   1.00   1.00
        1.00   1.00   2.00
        1.00   1.00   3.00
        2.00   2.00   1.00
        2.00   2.00   2.00
        2.00   2.00   3.00
        -1.00  -1.00  -1.00
        -10.00 -10.00 -20.00
        -10.00 -10.00 -30.00

c
m2    $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c    pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t

```

```

c
c      pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
94239.66c -<en|1.6>
94240.66c -<(1-en)|1.6>
c

```

**Template File: pu-icyl-0850-01.template**

```

inf cyl, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|3.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2>  <massd|3.6>    -1          imp:n=1
21 2 -1.000     -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector

```

# CHPRC-01905, Revision 0

```

22 0           2           imp:n=0

1      cz <rd|4.4>          $ Sphere
2      cz <rd+rw*in|4.4>    $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2   $ water
      1001.66c   2
      8016.66c   1
mt2  lwtr.60t
c   pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c   pu only
m12  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

## Template File: pu-icyl-0850-10.template

```

inf cyl, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|3.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c

```

# CHPRC-01905, Revision 0

```

c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
  20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
  21 2 -1.000     -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
  22 0             2           imp:n=0

    1       cz <rd|4.4>           $ Sphere
    2       cz <rd+rw*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2   $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c   pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>

```

```

1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6>
94239.66c -<massC*en/mass|1.6>
94240.66c -<massC*(1-en)/mass|1.6>
mt11    lwtr.60t
c
c      pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
94239.66c -<en|1.6>
94240.66c -<(1-en)|1.6>
c

```

**Template File: pu-icyl-0900-00.template**

```

inf cyl, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|3.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}

```

```

</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ Sphere
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc 0.00 0.00 0.00
0.00 0.00 0.10
0.00 0.00 0.50
0.00 0.00 1.00
0.00 0.00 2.00
0.00 0.00 3.00
1.00 1.00 1.00
1.00 1.00 2.00
1.00 1.00 3.00
2.00 2.00 1.00
2.00 2.00 2.00
2.00 2.00 3.00
-1.00 -1.00 -1.00
-10.00 -10.00 -20.00
-10.00 -10.00 -30.00

c
m2 $ water
    1001.66c 2
    8016.66c 1
mt2 lwtr.60t
c pu/water mixture
m11 $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
    1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
    8016.66c -<massW/mass*(O/(2*H+O))|1.6>
    94239.66c -<massC*en/mass|1.6>
    94240.66c -<massC*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c pu only
m12 $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
    94239.66c -<en|1.6>
    94240.66c -<(1-en)|1.6>
c

```

### Template File: pu-icyl-0900-01.template

```

inf cyl, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else

```

```

c they will be interpreted as octal
c Conc = <c = 'zzz1'|5> milli-g Pu/cc
c Reflector width = <rW=1.0|3.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
21 2 -1.000   -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0           2           imp:n=0

1      cz <rd|4.4>           $ Sphere
2      cz <rd+rW*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
      -1.00 -1.00 -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00
c
m2    $ water

```

```

    1001.66c      2
    8016.66c      1
mt2    lwtr.60t
c      pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c      pu only
m12   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

**Template File: pu-icyl-0900-10.template**

```

inf cyl, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|3.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}

```

```

sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
 20 <&GETMAT(massW)|2>  <massd|3.6>   -1           imp:n=1
 21  2   -1.000      -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
 22  0           2           imp:n=0

 1          cz  <rd|4.4>           $ Sphere
 2          cz  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  zzz0
ksrc  0.00  0.00  0.00
  0.00  0.00  0.10
  0.00  0.00  0.50
  0.00  0.00  1.00
  0.00  0.00  2.00
  0.00  0.00  3.00
  1.00  1.00  1.00
  1.00  1.00  2.00
  1.00  1.00  3.00
  2.00  2.00  1.00
  2.00  2.00  2.00
  2.00  2.00  3.00
  -1.00  -1.00  -1.00
  -10.00  -10.00  -20.00
  -10.00  -10.00  -30.00
c
m2   $ water
     1001.66c   2
     8016.66c   1
mt2  lwtr.60t
c pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   pu only
m12   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

### Template File: Pu-pl-0800-00.template

```

Pu plane, 80.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c   zzz0 (in upper case) is replaced with the number of cycles
c   zzz1 = the actual concentration in units of milli-g/cc
c   qqq1 = the minimum dimensions (in hundredths of inches)
c   qqq2 = the maximum dimensions (in hundredths of inches)

```

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```

c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.800|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239 = <Pu239=239.0522|3.5>
c Pu240 = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
  20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
  21 2   -1.000      -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1>      $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6      imp:n=0

  1      py  <rd|6.4>          $ plane
  2      py  <-rd|6.4>
  3      py  <rd+rw*in|6.4>        $ Reflection
  4      py  <-rd-rw*in|6.4>
  *5     px   100
  *6     px   -100
  *7     pz   100
  *8     pz   -100

```

```

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
      -1.00   -1.00   -1.00
     -10.00  -10.00  -20.00
     -10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c  Pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c  Pu only
m12  $ U oxide, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
c

```

### Template File: Pu-pl-0800-01.template

```

Pu plane, 80.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'zzz1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.800|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c

```

```

c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0          3:-4:7:5:-8:-6                         imp:n=0

    1      py <rd|6.4>           $ plane
    2      py <-rd|6.4>
    3      py <rd+rw*in|6.4>       $ Reflection
    4      py <-rd-rw*in|6.4>
    *5     px   100
    *6     px   -100
    *7     pz   100
    *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00

```

```

    2.00    2.00    3.00
    -1.00   -1.00   -1.00
    -10.00  -10.00  -20.00
    -10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c  Pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c  Pu only
m12  $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
c

```

**Template File: Pu-pl-0800-10.template**

```

Pu plane, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.800|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239 = <Pu239=239.0522|3.5>
c Pu240 = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc

```

# CHPRC-01905, Revision 0

```

c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
 20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
 21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
 22 0           3:-4:7:5:-8:-6                      imp:n=0

 1      py <rd|6.4>          $ plane
 2      py <-rd|6.4>
 3      py <rd+rw*in|6.4>        $ Reflection
 4      py <-rd-rw*in|6.4>
 *5     px   100
 *6     px   -100
 *7     pz   100
 *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
      -1.00 -1.00 -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2    $ water
      1001.66c   2
      8016.66c   1
mt2    lwtr.60t
c    Pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water

```

```

c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
mt11    lwtr.60t
c
c      Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
c

```

**Template File: Pu-pl-0850-00.template**

```

Pu plane, 85.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.850|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c Pu239 = <Pu239=239.0522|3.5>
c Pu240 = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <masssd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{

```

```

    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
 20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
 21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1>      $zero
importance if no reflector
 22 0           3:-4:7:5:-8:-6                      imp:n=0

 1      py  <rd|6.4>          $ plane
 2      py  <-rd|6.4>
 3      py  <rd+rw*in|6.4>        $ Reflection
 4      py  <-rd-rw*in|6.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
      -1.00 -1.00 -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00
c
m2    $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c    Pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c    Pu only
m12   $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
c

```

**Template File: Pu-pl-0850-01.template**

```

Pu plane, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.850|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1>      $zero
importance if no reflector

```

# CHPRC-01905, Revision 0

```

22 0           3:-4:7:5:-8:-6           imp:n=0

1      py <rd|6.4>                 $ plane
2      py <-rd|6.4>
3      py <rd+rw*in|6.4>           $ Reflection
4      py <-rd-rw*in|6.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
      -1.00 -1.00 -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2   $ water
      1001.66c  2
      8016.66c  1
mt2   lwtr.60t
c   Pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>    $from water
c   8016.66c -<massO/mass|1.6>                  $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   Pu only
m12  $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c   8016.66c -<massO/mass|1.6>                  $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
c

```

## Template File: Pu-pl-0850-10.template

```

Pu plane, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c

```

# CHPRC-01905, Revision 0

```

c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.850|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
22 0          3:-4:7:5:-8:-6                          imp:n=0

1      py <rd|6.4>                      $ plane
2      py <-rd|6.4>
3      py <rd+rw*in|6.4>                  $ Reflection
4      py <-rd-rw*in|6.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0

```

```

ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
     -1.00   -1.00   -1.00
    -10.00  -10.00  -20.00
    -10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c  Pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c    8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c  Pu only
m12  $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c    8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
c

```

**Template File: Pu-pl-0900-00.template**

```

Pu plane, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.900|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>

```

```

c O      = <O=15.9994|3.5>
c Pu239  = <Pu239=239.0522|3.5>
c Pu240  = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
 20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
 21 2 -1.000     -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1>      $zero
importance if no reflector
 22 0           3:-4:7:5:-8:-6                      imp:n=0

    1      py <rd|6.4>          $ plane
    2      py <-rd|6.4>
    3      py <rd+rw*in|6.4>        $ Reflection
    4      py <-rd-rw*in|6.4>
    *5     px   100
    *6     px   -100
    *7     pz   100
    *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00

```

```

-10.00   -10.00   -20.00
-10.00   -10.00   -30.00
c
m2      $ water
        1001.66c    2
        8016.66c    1
mt2    lwtr.60t
c  Pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
       1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
       8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c       8016.66c -<massO/mass|1.6>            $from oxide
       94239.66c -<massPu*en/mass|1.6>
       94240.66c -<massPu*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c  Pu only
m12    $ U oxide, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
c       8016.66c -<massO/mass|1.6>            $from oxide
       94239.66c -<massPu*en/mass|1.6>
       94240.66c -<massPu*(1-en)/mass|1.6>
c

```

**Template File: Pu-pl-0900-01.template**

```

Pu plane, 90.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.900|1.3> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c Pu239 = <Pu239=239.0522|3.5>
c Pu240 = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c

```

# CHPRC-01905, Revision 0

```

c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c plane
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6                      imp:n=0

  1      py <rd|6.4>          $ plane
  2      py <-rd|6.4>
  3      py <rd+rw*in|6.4>        $ Reflection
  4      py <-rd-rw*in|6.4>
  *5     px   100
  *6     px   -100
  *7     pz   100
  *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2    $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c    Pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c    8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>

```

```

94240.66c -<massPu*(1-en)/mass|1.6>
mt11      lwtr.60t
c
c   Pu only
m12      $ U oxide, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
c       8016.66c -<massO/mass|1.6>           $from oxide
94239.66c -<massPu*en/mass|1.6>
94240.66c -<massPu*(1-en)/mass|1.6>
c

```

**Template File: Pu-pl-0900-10.template**

```

Pu plane, 90.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'zzz1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.900|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c Pu239 = <Pu239=239.0522|3.5>
c Pu240 = <Pu240=240.0538|3.5>
c
c Effective Plutonium atomic mass <Pueff = en*Pu239 + (1-en)*Pu240|3.5>
c PuO2
c Mass fraction of Pu in crit material <Pufrac = Pueff/(Pueff)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of Pu in sample <massPu=massC*Pufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-Pufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}

```

```

}

sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c  plane
  20 <&GETMAT(massW)|2>  <massd|3.6>   -1 2 -7 -5 8 6      imp:n=1
  21 2   -1.000      -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1>      $zero
importance if no reflector
  22 0   3:-4:7:5:-8:-6                                imp:n=0

    1      py  <rd|6.4>          $ plane
    2      py  <-rd|6.4>
    3      py  <rd+rw*in|6.4>        $ Reflection
    4      py  <-rd-rw*in|6.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
      -1.00 -1.00 -1.00
     -10.00 -10.00 -20.00
     -10.00 -10.00 -30.00

c
m2   $ water
      1001.66c   2
      8016.66c   1
mt2  lwtr.60t
c  Pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c  Pu only
m12  $ U oxide, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
c      8016.66c -<massO/mass|1.6>      $from oxide
      94239.66c -<massPu*en/mass|1.6>
      94240.66c -<massPu*(1-en)/mass|1.6>
c

```

**Template File: pu-sp-0800-00.template**

```

s-, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
  20 <&GETMAT(massW)|2>  <massd|3.6>   -1           imp:n=1
  21 2   -1.000     -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
  22 0           2           imp:n=0

  1       so  <rd|4.4>           $ Sphere
  2       so  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50

```

```

0.00    0.00    1.00
0.00    0.00    2.00
0.00    0.00    3.00
1.00    1.00    1.00
1.00    1.00    2.00
1.00    1.00    3.00
2.00    2.00    1.00
2.00    2.00    2.00
2.00    2.00    3.00
-1.00   -1.00   -1.00
-10.00  -10.00  -20.00
-10.00  -10.00  -30.00
c
m2      $ water
        1001.66c    2
        8016.66c    1
mt2    lwtr.60t
c      pu/water mixture
m11    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
        1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
        8016.66c -<massW/mass*(O/(2*H+O))|1.6>
        94239.66c -<massC*en/mass|1.6>
        94240.66c -<massC*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c      pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
        94239.66c -<en|1.6>
        94240.66c -<(1-en)|1.6>
c

```

**Template File: pu-sp-0800-01.template**

```

s-, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc

```

# CHPRC-01905, Revision 0

```

c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
  20 <&GETMAT(massW)|2>  <massd|3.6>   -1           imp:n=1
  21 2   -1.000      -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
  22 0           2           imp:n=0

  1       so  <rd|4.4>          $ Sphere
  2       so  <rd+rw*in|4.4>      $ Reflection

mode n
kcode 2000 1.0 100  zzz0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
      -1.00   -1.00   -1.00
      -10.00  -10.00  -20.00
      -10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c    pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c    pu only
m12   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>

```

c

**Template File: pu-sp-0800-10.template**

```
s-, 80.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.80|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
21 2 -1.000   -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0          2           imp:n=0

1      so <rd|4.4>           $ Sphere
2      so <rd+rw*in|4.4>     $ Reflection
```

```

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
      -1.00   -1.00   -1.00
     -10.00  -10.00  -20.00
     -10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c  pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c  pu only
m12  $ Pu/H2O Sludge, <en*100|3.6> Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

### Template File: pu-sp-0850-00.template

```

s-, 85.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>

```

```

c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
21 2 -1.000     -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0             2           imp:n=0

1          so <rd|4.4>           $ Sphere
2          so <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2    $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t

```

```

c
c      pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
94239.66c -<en|1.6>
94240.66c -<(1-en)|1.6>
c

```

### Template File: pu-sp-0850-01.template

```

s-, 85.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
20 <&GETMAT(massW)|2>  <massd|3.6>    -1           imp:n=1
21 2   -1.000     -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector

```

```

22 0           2           imp:n=0

1      so <rd|4.4>          $ Sphere
2      so <rd+rw*in|4.4>    $ Reflection

mode n
kcode 2000 1.0 100  zzz0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2   $ water
      1001.66c   2
      8016.66c   1
mt2  lwtr.60t
c   pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c   pu only
m12  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

### Template File: pu-sp-0850-10.template

```

s-, 85.0 wt% Pu239, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.85|1.2> wt fraction Pu239
c

```

# CHPRC-01905, Revision 0

```

c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
  20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
  21 2 -1.000     -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
  22 0             2           imp:n=0

  1       so <rd|4.4>           $ Sphere
  2       so <rd+rw*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2   $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c   pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>

```

```

1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6>
94239.66c -<massC*en/mass|1.6>
94240.66c -<massC*(1-en)/mass|1.6>
mt11    lwtr.60t
c
c      pu only
m12    $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
94239.66c -<en|1.6>
94240.66c -<(1-en)|1.6>
c

```

**Template File: pu-sp-0900-00.template**

```

s-, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}
sub GETMAT
{
  return 11 if( $_[0]>1e-10 );
  return 12;
}

```

```

</perl>
c sphere
 20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
 21 2 -1.000    -2 1      imp:n=<&IMP(rw)|1> $zero importance if no
reflector
 22 0             2           imp:n=0

 1       so <rd|4.4>           $ Sphere
 2       so <rd+rw*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00
      -1.00  -1.00  -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00

c
m2   $ water
      1001.66c   2
      8016.66c   1
mt2  lwtr.60t
c   pu/water mixture
m11  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c   pu only
m12  $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

### Template File: pu-sp-0900-01.template

```

s-, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else

```

```

c they will be interpreted as octal
c Conc = <c = 'zzz1'|5> milli-g Pu/cc
c Reflector width = <rW=1.0|2.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
21 2 -1.000   -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0           2           imp:n=0

1      so <rd|4.4>           $ Sphere
2      so <rd+rW*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
      -1.00 -1.00 -1.00
      -10.00 -10.00 -20.00
      -10.00 -10.00 -30.00
c
m2    $ water

```

```

    1001.66c      2
    8016.66c      1
mt2    lwtr.60t
c      pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c      pu only
m12   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, ZZZ1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

**Template File: pu-sp-0900-10.template**

```

s-, 90.0 wt% Pu239, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.90|1.2> wt fraction Pu239
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denPu=19.6|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denPu/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
  return 1 if( $_[0]>0 );
  return 0;
}

```

```

sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
 20 <&GETMAT(massW)|2>  <massd|3.6>   -1           imp:n=1
 21  2   -1.000      -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
 22  0           2           imp:n=0

 1           so  <rd|4.4>           $ Sphere
 2           so  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  zzz0
ksrc  0.00  0.00  0.00
 0.00  0.00  0.10
 0.00  0.00  0.50
 0.00  0.00  1.00
 0.00  0.00  2.00
 0.00  0.00  3.00
 1.00  1.00  1.00
 1.00  1.00  2.00
 1.00  1.00  3.00
 2.00  2.00  1.00
 2.00  2.00  2.00
 2.00  2.00  3.00
 -1.00  -1.00  -1.00
 -10.00  -10.00  -20.00
 -10.00  -10.00  -30.00
c
m2   $ water
     1001.66c   2
     8016.66c   1
mt2  lwtr.60t
c pu/water mixture
m11   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      94239.66c -<massC*en/mass|1.6>
      94240.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   pu only
m12   $ Pu/H2O Sludge, <en*100|3.6> wt% Pu239, zzz1 milli-g Pu/cc, <mass|2.4>
      94239.66c -<en|1.6>
      94240.66c -<(1-en)|1.6>
c

```

**Template File: u5-sp-0013-00.template**

```

U sphere, 1.3 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c   zzz0 (in upper case) is replaced with the number of cycles
c   zzz1 = the actual concentration in units of milli-g/cc
c   qqq1 = the minimum dimensions (in hundredths of inches)
c   qqq2 = the maximum dimensions (in hundredths of inches)

```

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```

c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denU=18.9|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
 20 <&GETMAT(massW)|2>  <massd|3.6>    -1           imp:n=1
 21 2   -1.000     -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
 22 0           2           imp:n=0

 1      so <rd|4.4>           $ Sphere
 2      so <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
      1.00   1.00   1.00
      1.00   1.00   2.00
      1.00   1.00   3.00
      2.00   2.00   1.00
      2.00   2.00   2.00
      2.00   2.00   3.00

```

```

-1.00   -1.00   -1.00
-10.00  -10.00  -20.00
-10.00  -10.00  -30.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c     u/water mixture
m11   $ U/H2O Sludge, <100*en | 3.1> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      92235.66c -<massC*en/mass|1.6>
      92238.66c -<massC*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c     u only
m12   $ U, <100*en | 3.1> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      92235.66c -<en|1.6>
      92238.66c -<(1-en)|1.6>
c

```

**Template File: u5-sp-0013-01.template**

```

U sphere, 1.3 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c     zzz0 (in upper case) is replaced with the number of cycles
c     zzz1 = the actual concentration in units of milli-g/cc
c     qqq1 = the minimum dimensions (in hundredths of inches)
c     qqq2 = the maximum dimensions (in hundredths of inches)
c     qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'zzz1'|5> milli-g Pu/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denU=18.9|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
```

```

sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
  20 <&GETMAT(massW)|2>  <massd|3.6>    -1           imp:n=1
  21 2   -1.000      -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
  22 0           2           imp:n=0

  1           so  <rd|4.4>           $ Sphere
  2           so  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
      1.00    1.00    1.00
      1.00    1.00    2.00
      1.00    1.00    3.00
      2.00    2.00    1.00
      2.00    2.00    2.00
      2.00    2.00    3.00
      -1.00   -1.00   -1.00
      -10.00  -10.00  -20.00
      -10.00  -10.00  -30.00
c
m2   $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c     u/water mixture
m11   $ U/H2O Sludge, <100*en | 3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>
      92235.66c -<massC*en/mass|1.6>
      92238.66c -<massC*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c     u only
m12   $ U, <100*en | 3.1> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      92235.66c -<en|1.6>
      92238.66c -<(1-en)|1.6>
c

```

**Template File: u5-sp-0013-10.template**

```

U sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g Pu/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of Pu <denU=18.9|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c sphere
  20 <&GETMAT(massW)|2>  <massd|3.6>    -1           imp:n=1
  21  2   -1.000     -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
  22  0            2           imp:n=0

  1          so  <rd|4.4>           $ Sphere
  2          so  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
        0.00    0.00    0.10
        0.00    0.00    0.50

```

```

0.00    0.00    1.00
0.00    0.00    2.00
0.00    0.00    3.00
1.00    1.00    1.00
1.00    1.00    2.00
1.00    1.00    3.00
2.00    2.00    1.00
2.00    2.00    2.00
2.00    2.00    3.00
-1.00   -1.00   -1.00
-10.00  -10.00  -20.00
-10.00  -10.00  -30.00
c
m2      $ water
        1001.66c    2
        8016.66c    1
mt2    lwtr.60t
c      u/water mixture
m11    $ U/H2O Sludge, <100*en | 3.1> wt% U235, zzz1 milli-g U/cc, <mass| 2.4>
        1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
        8016.66c -<massW/mass*(O/(2*H+O))|1.6>
        92235.66c -<massC*en/mass|1.6>
        92238.66c -<massC*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c      u only
m12    $ U, <100*en | 3.1> wt% U235, zzz1 milli-g U/cc, <mass| 2.4>
        92235.66c -<en|1.6>
        92238.66c -<(1-en)|1.6>
c

```

**Template File: u5o2-icyl-0013-00.template**

```

UO2 icyl, 1.3 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>

```

# CHPRC-01905, Revision 0

```

c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*0)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc 0.00 0.00 0.00
      0.00 0.00 0.10
      0.00 0.00 0.50
      0.00 0.00 1.00
      0.00 0.00 2.00
      0.00 0.00 3.00
c
m2 $ water
      1001.66c 2
      8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
      8016.66c -<massO/mass|1.6> $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6> $from oxide
      92235.66c -<massU*en/mass|1.6>

```

```
92238.66c -<massU*(1-en)/mass|1.6>
c
```

### **Template File: u5o2-icyl-0013-01.template**

```
UO2 icyl, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
```

```

c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc 0.00 0.00 0.00
0.00 0.00 0.10
0.00 0.00 0.50
0.00 0.00 1.00
0.00 0.00 2.00
0.00 0.00 3.00
c
m2 $ water
1001.66c 2
8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0013-10.template**

```

UO2 icyl, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c

```

```

c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235   = <u235=235.0439|3.5>
c U238   = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2>  <massd|3.6> -1           imp:n=1
21 2 -1.000     -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0             2           imp:n=0

1          cz  <rd|4.4>           $ infinite cylinder
2          cz  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00  0.00  0.00
        0.00  0.00  0.10
        0.00  0.00  0.50
        0.00  0.00  1.00
        0.00  0.00  2.00
        0.00  0.00  3.00

c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2    lwtr.60t
c    u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>

```

```

92238.66c -<massU*(1-en)/mass|1.6>
mt11      lwtr.60t
c
c   u oxide only
m12      $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
         8016.66c -<massO/mass|1.6>           $from oxide
         92235.66c -<massU*en/mass|1.6>
         92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0025-00.template**

```

UO2 icyl, 2.5 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H20 <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}

```

```

}

sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
 20 <&GETMAT(massW)|2>  <massd|3.6>   -1           imp:n=1
 21 2   -1.000      -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
 22 0           2           imp:n=0

 1          cz  <rd|4.4>           $ infinite cylinder
 2          cz  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
c
m2  $ water
      1001.66c  2
      8016.66c  1
mt2  lwtr.60t
c   u oxide / water mixture
m11  $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   u oxide only
m12  $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

### Template File: u5o2-icyl-0025-01.template

```

UO2 icyl, 2.5 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal

```

```

c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
21 2 -1.000   -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0          2           imp:n=0

1       cz <rd|4.4>           $ infinite cylinder
2       cz <rd+rw*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
c
m2   $ water
      1001.66c    2
      8016.66c    1

```

```

mt2    lwtr.60t
c      u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
       1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
       8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
       8016.66c -<massO/mass|1.6>                  $from oxide
       92235.66c -<massU*en/mass|1.6>
       92238.66c -<massU*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c      u oxide only
m12    $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
       8016.66c -<massO/mass|1.6>                  $from oxide
       92235.66c -<massU*en/mass|1.6>
       92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0025-10.template**

```

UO2 icyl, 2.5 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample

```

# CHPRC-01905, Revision 0

```

c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc 0.00 0.00 0.00
0.00 0.00 0.10
0.00 0.00 0.50
0.00 0.00 1.00
0.00 0.00 2.00
0.00 0.00 3.00
c
m2 $ water
1001.66c 2
8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

## Template File: u5o2-icyl-0030-00.template

```

UO2 icyl, 3.0 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)

```

# CHPRC-01905, Revision 0

```

c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2>   <massd|3.6>    -1           imp:n=1
21 2   -1.000      -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
22 0           2           imp:n=0

1      cz <rd|4.4>          $ infinite cylinder
2      cz <rd+rw*in|4.4>    $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50

```

```

0.00    0.00    1.00
0.00    0.00    2.00
0.00    0.00    3.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2    lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>          $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c    u oxide only
m12    $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>          $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0030-01.template**

```

UO2 icyl, 3.0 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'zzz1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc

```

# CHPRC-01905, Revision 0

```

c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc 0.00 0.00 0.00
    0.00 0.00 0.10
    0.00 0.00 0.50
    0.00 0.00 1.00
    0.00 0.00 2.00
    0.00 0.00 3.00
c
m2 $ water
    1001.66c 2
    8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
    1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
    8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
    8016.66c -<massO/mass|1.6> $from oxide
    92235.66c -<massU*en/mass|1.6>
    92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
    8016.66c -<massO/mass|1.6> $from oxide
    92235.66c -<massU*en/mass|1.6>
    92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0030-10.template**

```

UO2 icyl, 3.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
  20 <&GETMAT(massW)|2>   <massd|3.6>    -1           imp:n=1
  21  2   -1.000    -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
  22  0            2           imp:n=0

```

```

1      cz <rd|4.4>           $ infinite cylinder
2      cz <rd+rw*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00

c
m2   $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>                  $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c   u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>                  $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0040-00.template**

```

UO2 icyl, 4.0 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c

```

# CHPRC-01905, Revision 0

```

c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc 0.00 0.00 0.00
      0.00 0.00 0.10
      0.00 0.00 0.50
      0.00 0.00 1.00
      0.00 0.00 2.00
      0.00 0.00 3.00
c
m2 $ water
      1001.66c 2
      8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
      8016.66c -<massO/mass|1.6> $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6> $from oxide

```

```

92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

### **Template File: u5o2-icyl-0040-01.template**

```

UO2 icyl, 4.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}

```

```

</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc 0.00 0.00 0.00
0.00 0.00 0.10
0.00 0.00 0.50
0.00 0.00 1.00
0.00 0.00 2.00
0.00 0.00 3.00
c
m2 $ water
1001.66c 2
8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0040-10.template**

```

UO2 icyl, 4.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc

```

```

c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
 20 <&GETMAT(massW)|2>  <massd|3.6>   -1           imp:n=1
 21 2   -1.000     -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
 22 0           2           imp:n=0

    1      cz  <rd|4.4>           $ infinite cylinder
    2      cz  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
c
m2    $ water
      1001.66c  2
      8016.66c  1
mt2    lwtr.60t
c    u oxide / water mixture
m11    $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide

```

```

92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11    lwtr.60t
c
c   u oxide only
m12    $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
       8016.66c -<massO/mass|1.6>      $from oxide
       92235.66c -<massU*en/mass|1.6>
       92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0050-00.template**

```

UO2 icyl, 5.0 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );

```

```

    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
 20 <&GETMAT(massW)|2>  <massd|3.6>    -1      imp:n=1
 21 2 -1.000     -2 1           imp:n=<&IMP(rw)|1>   $zero importance if no
reflector
 22 0             2           imp:n=0

 1          cz  <rd|4.4>           $ infinite cylinder
 2          cz  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
      0.00    0.00    0.10
      0.00    0.00    0.50
      0.00    0.00    1.00
      0.00    0.00    2.00
      0.00    0.00    3.00
c
m2   $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>   $from water
      8016.66c -<massO/mass|1.6>           $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   u oxide only
m12   $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>           $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0050-01.template**

```

UO2 icyl, 5.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else

```

```

c they will be interpreted as octal
c Conc = <c = 'zzz1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1           imp:n=1
21 2 -1.000   -2 1           imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0           2           imp:n=0

1          cz <rd|4.4>           $ infinite cylinder
2          cz <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00
c
m2    $ water
      1001.66c     2

```

```

8016.66c      1
mt2   lwtr.60t
c     u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c     u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0050-10.template**

```

UO2 icyl, 5.0 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c

```

# CHPRC-01905, Revision 0

```

c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc 0.00 0.00 0.00
0.00 0.00 0.10
0.00 0.00 0.50
0.00 0.00 1.00
0.00 0.00 2.00
0.00 0.00 3.00
c
m2 $ water
1001.66c 2
8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0060-00.template**

```

UO2 icyl, 6.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
  20 <&GETMAT(massW)|2>   <massd|3.6>    -1           imp:n=1
  21  2   -1.000    -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
  22  0            2           imp:n=0

```

```

1      cz <rd|4.4>           $ infinite cylinder
2      cz <rd+rw*in|4.4>     $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00   0.00   0.00
      0.00   0.00   0.10
      0.00   0.00   0.50
      0.00   0.00   1.00
      0.00   0.00   2.00
      0.00   0.00   3.00

c
m2    $ water
      1001.66c   2
      8016.66c   1
mt2   lwtr.60t
c     u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>                  $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c     u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>                  $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-icyl-0060-01.template**

```

UO2 icyl, 6.0 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c     zzz0 (in upper case) is replaced with the number of cycles
c     zzz1 = the actual concentration in units of milli-g/cc
c     qqq1 = the minimum dimensions (in hundredths of inches)
c     qqq2 = the maximum dimensions (in hundredths of inches)
c     qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>
c

```

# CHPRC-01905, Revision 0

```

c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 zzz0
ksrc 0.00 0.00 0.00
      0.00 0.00 0.10
      0.00 0.00 0.50
      0.00 0.00 1.00
      0.00 0.00 2.00
      0.00 0.00 3.00
c
m2 $ water
      1001.66c 2
      8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
      8016.66c -<massO/mass|1.6> $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U Oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6> $from oxide

```

```

92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

### **Template File: u5o2-icyl-0060-10.template**

```

UO2 icyl, 6.0 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}

```

```

</perl>
c infinite cylinder
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 cz <rd|4.4> $ infinite cylinder
2 cz <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc 0.00 0.00 0.00
0.00 0.00 0.10
0.00 0.00 0.50
0.00 0.00 1.00
0.00 0.00 2.00
0.00 0.00 3.00
c
m2 $ water
1001.66c 2
8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0013-00.template**

```

UO2 infinite plane, 1.3 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc

```

```

c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235   = <u235=235.0439|3.5>
c U238   = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
22 0          3:-4:7:5:-8:-6      imp:n=0

    1      py <rd|5.4>           $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>       $ Reflection
    4      py <-rd-rw*in|5.4>
    *5     px   100
    *6     px   -100
    *7     pz   100
    *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water

```

```

 8016.66c -<massO/mass|1.6>      $from oxide
 92235.66c -<massU*en/mass|1.6>
 92238.66c -<massU*(1-en)/mass|1.6>
mt11    lwtr.60t
c
c   u oxide only
m12    $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
       8016.66c -<massO/mass|1.6>      $from oxide
       92235.66c -<massU*en/mass|1.6>
       92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0013-01.template**

```

UO2 infinite plane, 1.3 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <masssd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{

```

```

    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
 20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
 21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1> $zero
importance if no reflector
 22 0           3:-4:7:5:-8:-6                      imp:n=0

 1      py <rd|5.4>          $ plane
 2      py <-rd|5.4>
 3      py <rd+rw*in|5.4>        $ Reflection
 4      py <-rd-rw*in|5.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100 zzz0
ksrc 0.00 0.00 0.00
c
m2 $ water
    1001.66c    2
    8016.66c    1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
    1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
    8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
    8016.66c -<massO/mass|1.6>      $from oxide
    92235.66c -<massU*en/mass|1.6>
    92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
    8016.66c -<massO/mass|1.6>      $from oxide
    92235.66c -<massU*en/mass|1.6>
    92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0013-10.template**

```

UO2 infinite plane, 1.3 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer

```

# CHPRC-01905, Revision 0

```

c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235   = <u235=235.0439|3.5>
c U238   = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000    -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
22 0            3:-4:7:5:-8:-6                      imp:n=0

    1      py <rd|5.4>                      $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>                  $ Reflection
    4      py <-rd-rw*in|5.4>
*5      px    100
*6      px    -100
*7      pz    100
*8      pz    -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00    0.00    0.00

```

```

c
m2    $ water
      1001.66c      2
      8016.66c      1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

### Template File: u5o2-pl-0025-00.template

```

UO2 infinite plane, 2.5 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g

```

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```

c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
22 0           3:-4:7:5:-8:-6                         imp:n=0

1          py <rd|5.4>                      $ plane
2          py <-rd|5.4>
3          py <rd+rw*in|5.4>                  $ Reflection
4          py <-rd-rw*in|5.4>
*5         px   100
*6         px   -100
*7         pz   100
*8         pz   -100

mode n
kcode 2000 1.0 100 zzz0
ksrc 0.00 0.00 0.00
c
m2 $ water
    1001.66c 2
    8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
    1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
    8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
    8016.66c -<massO/mass|1.6>      $from oxide
    92235.66c -<massU*en/mass|1.6>
    92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
    8016.66c -<massO/mass|1.6>      $from oxide
    92235.66c -<massU*en/mass|1.6>
    92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0025-01.template**

```

UO2 infinite plane, 2.5 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6                      imp:n=0

```

```

1      py <rd|5.4>                      $ plane
2      py <-rd|5.4>
3      py <rd+rw*in|5.4>                  $ Reflection
4      py <-rd-rw*in|5.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c    u oxide / water mixture
m11  $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>                  $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c    u oxide only
m12  $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0025-10.template**

```

UO2 infinite plane, 2.5 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.025|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>

```

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```

c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000     -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6                      imp:n=0

    1      py <rd|5.4>          $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>        $ Reflection
    4      py <-rd-rw*in|5.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c   u oxide only

```

```
m12      $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
        8016.66c -<mass0/mass|1.6>      $from oxide
        92235.66c -<massU*en/mass|1.6>
        92238.66c -<massU*(1-en)/mass|1.6>
c
```

**Template File: u5o2-pl-0030-00.template**

```
UO2 infinite plane, 3.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
```

```

    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
22 0          3:-4:7:5:-8:-6                      imp:n=0

1      py <rd|5.4>                      $ plane
2      py <-rd|5.4>
3      py <rd+rw*in|5.4>                  $ Reflection
4      py <-rd-rw*in|5.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00  0.00  0.00
c
m2   $ water
     1001.66c   2
     8016.66c   1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0030-01.template**

```

UO2 infinite plane, 3.0 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235

```

```

c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235   = <u235=235.0439|3.5>
c U238   = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1> $zero
importance if no reflector
22 0          3:-4:7:5:-8:-6      imp:n=0

    1      py <rd|5.4>           $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>       $ Reflection
    4      py <-rd-rw*in|5.4>
    *5     px   100
    *6     px   -100
    *7     pz   100
    *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c    u oxide / water mixture

```

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```

m11      $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
8016.66c -<massO/mass|1.6>                  $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c      u oxide only
m12      $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6>                  $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

## Template File: u5o2-pl-0030-10.template

```

UO2 infinite plane, 3.0 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.030|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c

```

```

<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1> $zero
importance if no reflector
22 0            3:-4:7:5:-8:-6      imp:n=0

1      py <rd|5.4>           $ plane
2      py <-rd|5.4>
3      py <rd+rw*in|5.4>       $ Reflection
4      py <-rd-rw*in|5.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00  0.00  0.00
c
m2    $ water
      1001.66c      2
      8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>          $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c    u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>          $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0040-00.template**

```

UO2 infinite plane, 4.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6                      imp:n=0

```

```

1      py <rd|5.4>                      $ plane
2      py <-rd|5.4>
3      py <rd+rw*in|5.4>                  $ Reflection
4      py <-rd-rw*in|5.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c    u oxide / water mixture
m11  $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>                  $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c    u oxide only
m12  $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0040-01.template**

```

UO2 infinite plane, 4.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>

```

```

c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000     -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6                      imp:n=0

    1      py <rd|5.4>          $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>        $ Reflection
    4      py <-rd-rw*in|5.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c   u oxide only

```

```
m12      $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
        8016.66c -<mass0/mass|1.6>      $from oxide
        92235.66c -<massU*en/mass|1.6>
        92238.66c -<massU*(1-en)/mass|1.6>
c
```

**Template File: u5o2-pl-0040-10.template**

```
UO2 infinite plane, 4.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.040|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
```

```

    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
22 0          3:-4:7:5:-8:-6                      imp:n=0

1      py <rd|5.4>                      $ plane
2      py <-rd|5.4>
3      py <rd+rw*in|5.4>                  $ Reflection
4      py <-rd-rw*in|5.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00  0.00  0.00
c
m2   $ water
     1001.66c   2
     8016.66c   1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0050-00.template**

```

UO2 infinite plane, 5.0 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235

```

# CHPRC-01905, Revision 0

```

c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235   = <u235=235.0439|3.5>
c U238   = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1> $zero
importance if no reflector
22 0          3:-4:7:5:-8:-6      imp:n=0

    1      py <rd|5.4>           $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>       $ Reflection
    4      py <-rd-rw*in|5.4>
    *5     px    100
    *6     px   -100
    *7     pz    100
    *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c    u oxide / water mixture

```

# CHPRC-01905, Revision 0

```

m11      $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
8016.66c -<massO/mass|1.6>                  $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c      u oxide only
m12      $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6>                  $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

## Template File: u5o2-pl-0050-01.template

```

UO2 infinite plane, 5.0 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c

```

```

<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1> $zero
importance if no reflector
22 0            3:-4:7:5:-8:-6      imp:n=0

1      py <rd|5.4>           $ plane
2      py <-rd|5.4>
3      py <rd+rw*in|5.4>       $ Reflection
4      py <-rd-rw*in|5.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00  0.00  0.00
c
m2    $ water
      1001.66c      2
      8016.66c      1
mt2   lwtr.60t
c    u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>          $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c    u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>          $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0050-10.template**

```

UO2 infinite plane, 5.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.050|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6                      imp:n=0

```

```

1      py  <rd|5.4>                  $ plane
2      py  <-rd|5.4>
3      py  <rd+rw*in|5.4>          $ Reflection
4      py  <-rd-rw*in|5.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2  lwtr.60t
c    u oxide / water mixture
m11  $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c    u oxide only
m12  $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0060-00.template**

```

UO2 infinite plane, 6.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H     = <H=1.0079|3.5>
c O     = <O=15.9994|3.5>
c U235 = <u235=235.0439|3.5>
c U238 = <u238=238.0508|3.5>

```

# CHPRC-01905, Revision 0

```

c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
  20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
  21 2 -1.000     -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
  22 0           3:-4:7:5:-8:-6                      imp:n=0

    1      py <rd|5.4>          $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>        $ Reflection
    4      py <-rd-rw*in|5.4>
*5      px   100
*6      px   -100
*7      pz   100
*8      pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00  0.00  0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c   u oxide only

```

```
m12      $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
        8016.66c -<mass0/mass|1.6>      $from oxide
        92235.66c -<massU*en/mass|1.6>
        92238.66c -<massU*(1-en)/mass|1.6>
c
```

**Template File: u5o2-pl-0060-01.template**

```
UO2 infinite plane, 6.0 wt% U235, ZZZ1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
```

```

    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=<&IMP(rw)|1> $zero
importance if no reflector
22 0          3:-4:7:5:-8:-6                      imp:n=0

1      py <rd|5.4>                      $ plane
2      py <-rd|5.4>
3      py <rd+rw*in|5.4>                  $ Reflection
4      py <-rd-rw*in|5.4>
*5     px   100
*6     px   -100
*7     pz   100
*8     pz   -100

mode n
kcode 2000 1.0 100 zzz0
ksrc  0.00  0.00  0.00
c
m2   $ water
     1001.66c   2
     8016.66c   1
mt2   lwtr.60t
c   u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11  lwtr.60t
c
c   u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-pl-0060-10.template**

```

UO2 infinite plane, 6.0 wt% U235, zzz1 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.060|1.3> wt fraction U235

```

```

c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235   = <u235=235.0439|3.5>
c U238   = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
c infinite plane, double sided reflector (if present)
20 <&GETMAT(massW)|2> <massd|3.6> -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000 -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=&IMP(rw)|1> $zero
importance if no reflector
22 0            3:-4:7:5:-8:-6      imp:n=0

    1      py <rd|5.4>           $ plane
    2      py <-rd|5.4>
    3      py <rd+rw*in|5.4>       $ Reflection
    4      py <-rd-rw*in|5.4>
    *5     px   100
    *6     px   -100
    *7     pz   100
    *8     pz   -100

mode n
kcode 2000 1.0 100 ZZZ0
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c    2
      8016.66c    1
mt2   lwtr.60t
c    u oxide / water mixture

```

```

m11      $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
8016.66c -<massO/mass|1.6>                  $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11     lwtr.60t
c
c      u oxide only
m12      $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6>                  $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

**Template File: u5o2-sp-0013-00.template**

```

UO2 sphere, 1.3 wt% U235, zzz1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=0.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c

```

```

<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 so <rd|4.4> $ Sphere
2 so <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc 0.00 0.00 0.00
0.00 0.00 0.10
0.00 0.00 0.50
0.00 0.00 1.00
0.00 0.00 2.00
0.00 0.00 3.00
c
m2 $ water
1001.66c 2
8016.66c 1
mt2 lwtr.60t
c u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c u oxide only
m12 $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
8016.66c -<massO/mass|1.6> $from oxide
92235.66c -<massU*en/mass|1.6>
92238.66c -<massU*(1-en)/mass|1.6>
c

```

### Template File: u5o2-sp-0013-01.template

```

UO2 sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c

```

# CHPRC-01905, Revision 0

```

c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=1.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235   = <u235=235.0439|3.5>
c U238   = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g
c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
    20 <&GETMAT(massW)|2>  <massd|3.6>    -1           imp:n=1
    21 2   -1.000     -2 1           imp:n=<&IMP(rw)|1>    $zero importance if no
reflector
    22 0           2           imp:n=0

    1           so  <rd|4.4>           $ Sphere
    2           so  <rd+rw*in|4.4>       $ Reflection

mode n
kcode 2000 1.0 100  ZZZ0
ksrc  0.00    0.00    0.00
        0.00    0.00    0.10
        0.00    0.00    0.50
        0.00    0.00    1.00
        0.00    0.00    2.00
        0.00    0.00    3.00
c

```

```

m2      $ water
        1001.66c    2
        8016.66c    1
mt2    lwtr.60t
c      u oxide / water mixture
m11   $ UO2/H2O Sludge, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6>      $from water
      8016.66c -<massO/mass|1.6>                  $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11   lwtr.60t
c
c      u oxide only
m12   $ U oxide, <en|1.3> wt% U235, zzz1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6>      $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

### Template File: u5o2-sp-0013-10.template

```

UO2 sphere, 1.3 wt% U235, ZZZ1 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = <d1= QQQ1:QQQ2:QQQ3|5> hundredths of inches - must be integer
c radius = <rd=d1*2.54/100/2|5.4> cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = <c = 'ZZZ1'|5> milli-g U/cc
c Reflector width = <rw=10.0|2.1> inches
c Enrichment = <en=0.013|1.3> wt fraction U235
c
c Mixture Bulk Density of H2O <denW=1.0|1.5>
c Mixture Bulk Density of UO2 <denU=11.0|2.5> g/cc
c
c Atomic Masses
c H      = <H=1.0079|3.5>
c O      = <O=15.9994|3.5>
c U235  = <u235=235.0439|3.5>
c U238  = <u238=238.0508|3.5>
c
c Effective uranium atomic mass <ueff = en*u235 + (1-en)*u238|3.5>
c UO2
c Mass fraction of U in crit material <ufrac = ueff/(ueff + 2*O)|1.5>
c
c Assume a sample size of 1cc
c
c Volume of crit in sample <volC=c/denU/1000|1.4> cc
c Volume of water in sample <volW=1-volC|1.4> cc
c
c Mass of crit in sample <massC=c/1000|2.4> g
c Mass of U in sample <massU=massC*ufrac|2.4> g
c Mass of bound O in sample <massO=massC*(1-ufrac)|2.4> g

```

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```

c Mass of water in sample <massW=volW*denW|2.4> g
c
c Total mass of sample <mass=massC+massW|2.4>g for a 1cc sample
c Mass Mixture Bulk Density for crit material <massd=-mass|3.4>, expressed as negative
c
<perl>
sub IMP
{
    return 1 if( $_[0]>0 );
    return 0;
}
sub GETMAT
{
    return 11 if( $_[0]>1e-10 );
    return 12;
}
</perl>
20 <&GETMAT(massW)|2> <massd|3.6> -1 imp:n=1
21 2 -1.000 -2 1 imp:n=<&IMP(rw)|1> $zero importance if no
reflector
22 0 2 imp:n=0

1 so <rd|4.4> $ Sphere
2 so <rd+rw*in|4.4> $ Reflection

mode n
kcode 2000 1.0 100 ZZZ0
ksrc 0.00 0.00 0.00
      0.00 0.00 0.10
      0.00 0.00 0.50
      0.00 0.00 1.00
      0.00 0.00 2.00
      0.00 0.00 3.00
c
m2 $ water
      1001.66c 2
      8016.66c 1
mt2 lwtr.60t
c   u oxide / water mixture
m11 $ UO2/H2O Sludge, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      1001.66c -<massW/mass*(2*H/(2*H+O))|1.6>
      8016.66c -<massW/mass*(O/(2*H+O))|1.6> $from water
      8016.66c -<massO/mass|1.6> $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
mt11 lwtr.60t
c
c   u oxide only
m12 $ U oxide, <en|1.3> wt% U235, ZZZ1 milli-g U/cc, <mass|2.4>
      8016.66c -<massO/mass|1.6> $from oxide
      92235.66c -<massU*en/mass|1.6>
      92238.66c -<massU*(1-en)/mass|1.6>
c

```

**APPENDIX E – EXAMPLE INPUT FILES**

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**Example Input file, pu-icyl-0800-00-00750-01250.inp**

```

inf cyl, 80.0 wt% Pu239, 00750 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = 1250 hundredths of inches - must be integer
c radius = 15.8750 cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = 00750 milli-g Pu/cc
c Reflector width = 0.0 inches
c Enrichment = 0.80 wt fraction Pu239
c
c Mixture Bulk Density of H2O 1.00000
c Mixture Bulk Density of Pu 19.60000 g/cc
c
c Atomic Masses
c H      = 1.00790
c O      = 15.99940
c
c Assume a sample size of 1cc
c
c Volume of crit in sample 0.0383 cc
c Volume of water in sample 0.9617 cc
c
c Mass of crit in sample 0.7500 g
c Mass of water in sample 0.9617 g
c
c Total mass of sample 1.7117g for a 1cc sample
c Mass Mixture Bulk Density for crit material -1.7117, expressed as negative
c
c infinite cylinder
 20 11 -1.711735 -1      imp:n=1
 21 2  -1.000   -2 1      imp:n=0    $zero importance if no reflector
 22 0          2      imp:n=0

 1      cz     15.8750      $ Sphere
 2      cz     15.8750      $ Reflection

mode n
kcode 2000 1.0 100 1100
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
      -1.00 -1.00  -1.00
      -10.00 -10.00 -20.00

```

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```
-10.00   -10.00   -30.00
c
m2      $ water
        1001.66c      2
        8016.66c      1
mt2    lwtr.60t
c      pu/water mixture
m11    $ Pu/H2O Sludge,  80.000000 wt% Pu239, 00750 milli-g Pu/cc,  1.7117
       1001.66c -0.062868
       8016.66c -0.498980
       94239.66c -0.350522
       94240.66c -0.087630
mt11   lwtr.60t
c
c      pu only
m12    $ Pu/H2O Sludge,  80.000000 wt% Pu239, 00750 milli-g Pu/cc,  1.7117
       94239.66c -0.800000
       94240.66c -0.200000
c
```

**Example Input file, u5o2-pl-0030-01-04000-00900.inp**

```

UO2 infinite plane, 3.0 wt% U235, 04000 milli-g/cc, 2-sided refl
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = 900  hundredths of inches - must be integer
c radius = 11.4300 cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = 04000 milli-g U/cc
c Reflector width = 1.0 inches
c Enrichment = 0.030 wt fraction U235
c
c Mixture Bulk Density of H2O 1.00000
c Mixture Bulk Density of UO2 11.00000 g/cc
c
c Atomic Masses
c H      = 1.00790
c O      = 15.99940
c U235  = 235.04390
c U238  = 238.05080
c
c Effective uranium atomic mass 237.96059
c UO2
c Mass fraction of U in crit material 0.88147
c
c Assume a sample size of 1cc
c
c Volume of crit in sample 0.3636 cc
c Volume of water in sample 0.6364 cc
c
c Mass of crit in sample 4.0000 g
c Mass of U in sample 3.5259 g
c Mass of bound O in sample 0.4741 g
c Mass of water in sample 0.6364 g
c
c Total mass of sample 4.6364g for a 1cc sample
c Mass Mixture Bulk Density for crit material -4.6364, expressed as negative
c
c infinite plane, double sided reflector (if present)
20 11 -4.636364 -1 2 -7 -5 8 6      imp:n=1
21 2 -1.000   -3 4 6 8 -7 -5 ((1 -3):(-2 4))      imp:n=1 $zero importance
if no reflector
22 0      3:-4:7:5:-8:-6      imp:n=0

1      py    11.4300      $ plane
2      py    -11.4300
3      py    13.9700      $ Reflection
4      py    -13.9700
*5     px    100
*6     px    -100
*7     pz    100

```

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```
*8          pz      -100

mode n
kcode 2000 1.0 100  1100
ksrc  0.00    0.00    0.00
c
m2    $ water
      1001.66c      2
      8016.66c      1
mt2   lwtr.60t
c     u oxide / water mixture
m11   $ UO2/H2O Sludge, 0.030 wt% U235, 04000 milli-g U/cc,  4.6364
      1001.66c -0.015358
      8016.66c -0.121897      $from water
      8016.66c -0.102263      $from oxide
      92235.66c -0.022814
      92238.66c -0.737668
mt11  lwtr.60t
c
c     u oxide only
m12   $ U oxide, 0.030 wt% U235, 04000 milli-g U/cc,  4.6364
      8016.66c -0.102263      $from oxide
      92235.66c -0.022814
      92238.66c -0.737668
c
```

**Example Input file, u5-sp-0013-10-06000-04000.inp**

```

U sphere, 1.3 wt% U235, 06000 milli-g/cc,
c
c worm notes: format of the form |n.m for floating point, |n for integers
c      zzz0 (in upper case) is replaced with the number of cycles
c      zzz1 = the actual concentration in units of milli-g/cc
c      qqq1 = the minimum dimensions (in hundredths of inches)
c      qqq2 = the maximum dimensions (in hundredths of inches)
c      qqq3 = the delta (in hundredths of inches)
c
c Diameter = 4000 hundredths of inches - must be integer
c radius = 50.8000 cm
c note for perl, numbers with leading zeros must be enclosed in single quotes or else
c they will be interpreted as octal
c Conc = 06000 milli-g Pu/cc
c Reflector width = 10.0 inches
c Enrichment = 0.013 wt fraction U235
c
c Mixture Bulk Density of H2O 1.00000
c Mixture Bulk Density of Pu 18.90000 g/cc
c
c Atomic Masses
c H      = 1.00790
c O      = 15.99940
c
c Assume a sample size of 1cc
c
c Volume of crit in sample 0.3175 cc
c Volume of water in sample 0.6825 cc
c
c Mass of crit in sample 6.0000 g
c Mass of water in sample 0.6825 g
c
c Total mass of sample 6.6825g for a 1cc sample
c Mass Mixture Bulk Density for crit material -6.6825, expressed as negative
c
c sphere
  20 11  -6.682540  -1      imp:n=1
  21  2   -1.000    -2 1      imp:n=1      $zero importance if no reflector
  22  0           2      imp:n=0

    1      so    50.8000          $ Sphere
    2      so    76.2000          $ Reflection

mode n
kcode 2000 1.0 100 500
ksrc  0.00  0.00  0.00
      0.00  0.00  0.10
      0.00  0.00  0.50
      0.00  0.00  1.00
      0.00  0.00  2.00
      0.00  0.00  3.00
      1.00  1.00  1.00
      1.00  1.00  2.00
      1.00  1.00  3.00
      2.00  2.00  1.00
      2.00  2.00  2.00
      2.00  2.00  3.00
     -1.00  -1.00  -1.00
    -10.00  -10.00  -20.00
    -10.00  -10.00  -30.00

```

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```
c  
m2 $ water  
     1001.66c      2  
     8016.66c      1  
mt2 lwtr.60t  
c u/water mixture  
m11 $ U/H2O Sludge, 1.3 wt% U235, 06000 milli-g U/cc, 6.6825  
     1001.66c -0.011429  
     8016.66c -0.090709  
     92235.66c -0.011672  
     92238.66c -0.886190  
mt11 lwtr.60t  
c  
c u only  
m12 $ U, 1.3 wt% U235, 06000 milli-g U/cc, 6.6825  
     92235.66c -0.013000  
     92238.66c -0.987000  
c
```

**APPENDIX F – RAW DATA LISTING**

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sumtable.pu-icyl-0800-00	10	13	15
999.98 0.99129 0.00019	20.00 0.90324 0.00039	18.00 0.91658 0.00041	
999.99 0.99129 0.00019	22.50 0.93650 0.00037	18.25 0.92188 0.00044	
	22.75 0.94033 0.00037	18.50 0.92623 0.00043	
	23.00 0.94230 0.00038	18.75 0.93144 0.00042	
	23.25 0.94545 0.00037	19.00 0.93597 0.00042	
	23.50 0.94884 0.00037	19.25 0.93951 0.00042	
	23.75 0.95113 0.00038	19.50 0.94462 0.00042	
	24.00 0.95374 0.00038	19.75 0.94939 0.00041	
	24.25 0.95576 0.00035	20.00 0.95263 0.00043	
	24.50 0.95797 0.00037	20.25 0.95757 0.00040	
	24.75 0.96137 0.00035	20.50 0.96078 0.00041	
	25.00 0.96309 0.00036	20.75 0.96502 0.00041	
	25.25 0.96649 0.00036	21.00 0.96818 0.00041	
	25.50 0.96791 0.00036	21.25 0.97201 0.00040	
	25.75 0.96991 0.00037	21.50 0.97488 0.00040	
	26.00 0.97164 0.00038	21.75 0.97904 0.00040	
	26.25 0.97473 0.00035	22.00 0.98163 0.00039	
	26.50 0.97647 0.00036	22.25 0.98530 0.00040	
	26.75 0.97908 0.00036	22.50 0.98810 0.00042	
	27.00 0.98068 0.00036	22.75 0.99080 0.00039	
	27.25 0.98263 0.00035	23.00 0.99434 0.00040	
	27.50 0.98443 0.00036	23.25 0.99804 0.00039	
	27.75 0.98669 0.00034	23.50 1.00114 0.00039	
	28.00 0.98720 0.00035	23.75 1.00390 0.00039	
	28.25 0.99027 0.00035	24.00 1.00565 0.00039	
	28.50 0.99124 0.00035	24.25 1.00866 0.00040	
	28.75 0.99290 0.00035	24.50 1.01128 0.00038	
	29.00 0.99489 0.00035	24.75 1.01347 0.00038	
	29.25 0.99640 0.00033	25.00 1.01548 0.00038	
	29.50 0.99780 0.00034		
	29.75 0.99946 0.00034		
	30.00 1.00172 0.00033		
	32.50 1.01408 0.00033		
	35.00 1.02555 0.00033		
	37.50 1.03505 0.00030		
	40.00 1.04305 0.00032		
	42.50 1.04860 0.00030		
	45.00 1.05527 0.00030		
	47.50 1.05839 0.00029		
	50.00 1.06365 0.00028		
	52.50 1.06718 0.00028		
	55.00 1.07026 0.00029		
	57.50 1.07386 0.00027		
	60.00 1.07677 0.00027		
	62.50 1.07825 0.00027		
	65.00 1.07988 0.00027		
	67.50 1.08226 0.00027		
	70.00 1.08311 0.00025		
	72.50 1.08462 0.00026		
	75.00 1.08705 0.00025		
	77.50 1.08780 0.00025		
	80.00 1.08847 0.00026		
	82.50 1.08977 0.00025		
	85.00 1.09067 0.00025		
	87.50 1.09082 0.00025		
	90.00 1.09202 0.00025		
	92.50 1.09247 0.00023		
	95.00 1.09353 0.00025		
	97.50 1.09433 0.00024		
	100.00 1.09401 0.00024		
	102.50 1.09559 0.00024		

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18	20	22
15.90 0.92341 0.00047	14.00 0.89394 0.00053	14.00 0.91739 0.00051
16.10 0.92833 0.00047	14.25 0.90099 0.00050	14.25 0.92519 0.00051
16.30 0.93366 0.00049	14.50 0.90961 0.00048	14.50 0.93565 0.00053
16.50 0.93902 0.00049	14.75 0.91974 0.00049	14.75 0.94273 0.00052
16.70 0.94525 0.00045	15.00 0.92677 0.00047	15.00 0.95190 0.00049
16.90 0.94873 0.00045	15.25 0.93423 0.00049	15.25 0.96057 0.00050
17.10 0.95380 0.00047	15.50 0.94186 0.00048	15.50 0.96721 0.00048
17.30 0.95898 0.00048	15.75 0.94948 0.00048	15.75 0.97466 0.00049
17.50 0.96307 0.00047	16.00 0.95582 0.00050	16.00 0.98188 0.00050
17.70 0.96913 0.00045	16.25 0.96280 0.00050	16.25 0.99036 0.00051
17.90 0.97268 0.00045	16.50 0.97007 0.00051	16.50 0.99694 0.00049
18.10 0.97673 0.00045	16.75 0.97661 0.00048	16.75 1.00169 0.00050
18.30 0.98080 0.00047	17.00 0.98253 0.00049	17.00 1.00941 0.00048
18.50 0.98539 0.00045	17.25 0.98855 0.00049	17.25 1.01619 0.00049
18.70 0.98909 0.00045	17.50 0.99440 0.00048	17.50 1.02172 0.00050
18.90 0.99341 0.00044	17.75 0.99944 0.00048	17.75 1.02727 0.00049
19.10 0.99637 0.00046	18.00 1.00571 0.00047	18.00 1.03300 0.00049
19.30 0.99980 0.00045	18.25 1.01130 0.00047	18.25 1.03853 0.00049
19.50 1.00501 0.00044	18.50 1.01615 0.00046	18.50 1.04326 0.00050
19.70 1.00794 0.00045	18.75 1.02040 0.00047	18.75 1.04746 0.00049
19.90 1.01111 0.00044	19.00 1.02685 0.00047	19.00 1.05329 0.00047
20.00 1.01282 0.00043	19.25 1.03039 0.00046	19.25 1.05856 0.00048
	19.50 1.03679 0.00046	19.50 1.06381 0.00047
	19.75 1.03995 0.00046	19.75 1.06778 0.00049
	20.00 1.04568 0.00047	20.00 1.07315 0.00049

24	25	26
13.00 0.89889 0.00055	13.00 0.90693 0.00054	13.00 0.91640 0.00054
13.25 0.90955 0.00053	13.25 0.91872 0.00054	13.25 0.92786 0.00054
13.50 0.92051 0.00051	13.50 0.92842 0.00053	13.50 0.93731 0.00057
13.75 0.92974 0.00053	13.75 0.93858 0.00054	13.75 0.94687 0.00055
14.00 0.93759 0.00054	14.00 0.94907 0.00052	14.00 0.95662 0.00055
14.25 0.94828 0.00053	14.25 0.95737 0.00052	14.25 0.96590 0.00054
14.50 0.95610 0.00054	14.50 0.96710 0.00053	14.50 0.97495 0.00053
14.75 0.96607 0.00054	14.75 0.97574 0.00053	14.75 0.98357 0.00051
15.00 0.97396 0.00052	15.00 0.98359 0.00055	15.00 0.99279 0.00054
15.25 0.98175 0.00053	15.25 0.99154 0.00053	15.25 1.00064 0.00055
15.50 0.98922 0.00053	15.50 1.00003 0.00054	15.50 1.00827 0.00053
15.75 0.99669 0.00052	15.75 1.00722 0.00051	15.75 1.01602 0.00055
16.00 1.00462 0.00051	16.00 1.01386 0.00052	16.00 1.02401 0.00054
16.25 1.01246 0.00054	16.25 1.02152 0.00052	16.25 1.03029 0.00054
16.50 1.01974 0.00052	16.50 1.02885 0.00054	16.50 1.03921 0.00052
16.75 1.02395 0.00050	16.75 1.03522 0.00053	16.75 1.04471 0.00052
17.00 1.03124 0.00051	17.00 1.04164 0.00050	17.00 1.05055 0.00053
17.25 1.03814 0.00051	17.25 1.04804 0.00054	17.25 1.05620 0.00052
17.50 1.04439 0.00050	17.50 1.05406 0.00053	17.50 1.06397 0.00053
17.75 1.05040 0.00051	17.75 1.05977 0.00051	17.75 1.06973 0.00052
18.00 1.05423 0.00051	18.00 1.06634 0.00054	18.00 1.07465 0.00052

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28	30	32
12.00 0.88580 0.00056	12.00 0.89963 0.00056	12.00 0.91189 0.00059
12.20 0.89640 0.00057	12.25 0.91265 0.00057	12.20 0.92046 0.00057
12.40 0.90570 0.00056	12.50 0.92354 0.00059	12.40 0.93084 0.00060
12.60 0.91451 0.00056	12.75 0.93482 0.00057	12.60 0.93976 0.00059
12.80 0.92400 0.00056	13.00 0.94614 0.00057	12.80 0.94926 0.00056
13.00 0.93214 0.00056	13.25 0.95646 0.00056	13.00 0.95864 0.00057
13.20 0.94169 0.00057	13.50 0.96819 0.00056	13.20 0.96690 0.00057
13.40 0.95017 0.00054	13.75 0.97774 0.00058	13.40 0.97442 0.00060
13.60 0.95731 0.00055	14.00 0.98762 0.00055	13.60 0.98467 0.00057
13.80 0.96557 0.00057	14.25 0.99683 0.00057	13.80 0.99103 0.00060
14.00 0.97272 0.00055	14.50 1.00577 0.00058	14.00 0.99971 0.00057
14.20 0.98003 0.00058	14.75 1.01517 0.00056	14.20 1.00758 0.00058
14.40 0.98756 0.00056	15.00 1.02298 0.00057	14.40 1.01477 0.00055
14.60 0.99589 0.00054	15.25 1.03136 0.00057	14.60 1.02259 0.00055
14.80 1.00212 0.00054	15.50 1.03975 0.00057	14.80 1.03019 0.00057
15.00 1.00870 0.00054	15.75 1.04727 0.00056	15.00 1.03605 0.00055
15.20 1.01480 0.00056	16.00 1.05540 0.00054	15.20 1.04230 0.00057
15.40 1.02189 0.00056	16.25 1.06092 0.00057	15.40 1.04943 0.00057
15.60 1.02854 0.00056	16.50 1.06948 0.00054	15.60 1.05575 0.00053
15.80 1.03451 0.00055	16.75 1.07581 0.00055	15.80 1.06167 0.00057
16.00 1.04046 0.00055	17.00 1.08343 0.00057	16.00 1.06898 0.00057
16.20 1.04640 0.00055		
16.40 1.05223 0.00053		
16.60 1.05689 0.00053		
16.80 1.06306 0.00056		
17.00 1.06804 0.00053		

36	40	45
11.00 0.87685 0.00059	11.00 0.89045 0.00063	11.00 0.90781 0.00061
11.20 0.88769 0.00058	11.20 0.90236 0.00061	11.20 0.91818 0.00063
11.40 0.89914 0.00059	11.40 0.91458 0.00062	11.40 0.92887 0.00062
11.60 0.90991 0.00057	11.60 0.92556 0.00060	11.60 0.94108 0.00065
11.80 0.92130 0.00063	11.80 0.93466 0.00062	11.80 0.95262 0.00059
12.00 0.93141 0.00060	12.00 0.94524 0.00062	12.00 0.96159 0.00065
12.20 0.93989 0.00062	12.20 0.95708 0.00061	12.20 0.97089 0.00065
12.40 0.95088 0.00061	12.40 0.96689 0.00063	12.40 0.98302 0.00061
12.60 0.96005 0.00060	12.60 0.97617 0.00063	12.60 0.99221 0.00062
12.80 0.96933 0.00059	12.80 0.98585 0.00059	12.80 1.00108 0.00063
13.00 0.97829 0.00058	13.00 0.99559 0.00061	13.00 1.01128 0.00063
13.20 0.98707 0.00061	13.20 1.00398 0.00061	13.20 1.01942 0.00060
13.40 0.99564 0.00060	13.40 1.01225 0.00061	13.40 1.02860 0.00062
13.60 1.00463 0.00059	13.60 1.02068 0.00062	13.60 1.03695 0.00064
13.80 1.01363 0.00059	13.80 1.02907 0.00060	13.80 1.04486 0.00063
14.00 1.02012 0.00060	14.00 1.03740 0.00061	14.00 1.05283 0.00061
14.20 1.02849 0.00060	14.20 1.04634 0.00060	14.20 1.06159 0.00062
14.40 1.03512 0.00059	14.40 1.05294 0.00061	14.40 1.06820 0.00061
14.60 1.04231 0.00058	14.60 1.05899 0.00061	14.60 1.07585 0.00062
14.80 1.05080 0.00056	14.80 1.06731 0.00060	14.80 1.08365 0.00059
15.00 1.05724 0.00059	15.00 1.07316 0.00061	15.00 1.09011 0.00063
15.20 1.06363 0.00057		
15.40 1.07101 0.00058		
15.60 1.07653 0.00059		
15.80 1.08448 0.00058		
16.00 1.09047 0.00057		

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50	75	100
11.00 0.91805 0.00061	10.00 0.88281 0.00067	10.40 0.91928 0.00070
11.10 0.92285 0.00065	10.20 0.89701 0.00067	10.50 0.92464 0.00068
11.20 0.92956 0.00063	10.40 0.91072 0.00067	10.60 0.93082 0.00069
11.30 0.93551 0.00063	10.60 0.92296 0.00066	10.70 0.93878 0.00069
11.40 0.94067 0.00062	10.80 0.93609 0.00067	10.80 0.94497 0.00068
11.50 0.94656 0.00063	11.00 0.94694 0.00066	10.90 0.95144 0.00067
11.60 0.95277 0.00064	11.20 0.95805 0.00067	11.00 0.95560 0.00068
11.70 0.95851 0.00063	11.40 0.97141 0.00068	11.10 0.96313 0.00068
11.80 0.96337 0.00062	11.60 0.98213 0.00070	11.20 0.96789 0.00069
11.90 0.96867 0.00063	11.80 0.99407 0.00066	11.30 0.97363 0.00065
12.00 0.97205 0.00063	12.00 1.00495 0.00065	11.40 0.97902 0.00066
12.10 0.97911 0.00064	12.20 1.01504 0.00068	11.50 0.98449 0.00069
12.20 0.98372 0.00065	12.40 1.02309 0.00065	11.60 0.99011 0.00066
12.30 0.98949 0.00065	12.60 1.03479 0.00066	11.70 0.99623 0.00068
12.40 0.99593 0.00063	12.80 1.04382 0.00068	11.80 1.00282 0.00069
12.50 0.99887 0.00067	13.00 1.05293 0.00068	11.90 1.00723 0.00068
12.60 1.00402 0.00064	13.20 1.06062 0.00068	12.00 1.01158 0.00069
12.70 1.00877 0.00063	13.40 1.07102 0.00068	12.10 1.01721 0.00070
12.80 1.01384 0.00064	13.60 1.07838 0.00067	12.20 1.02208 0.00069
12.90 1.01877 0.00064	13.80 1.08775 0.00065	12.30 1.02653 0.00069
13.00 1.02337 0.00063	14.00 1.09525 0.00066	12.40 1.03280 0.00070
13.10 1.02683 0.00066		12.50 1.03820 0.00071
13.20 1.03201 0.00063		
13.30 1.03596 0.00063		
13.40 1.04053 0.00063		
13.50 1.04392 0.00062		

150	200	350
10.00 0.89217 0.00069	10.00 0.88759 0.00068	10.80 0.92392 0.00071
10.20 0.90704 0.00070	10.20 0.90173 0.00064	11.00 0.93411 0.00067
10.40 0.91889 0.00066	10.40 0.91482 0.00070	11.20 0.94442 0.00068
10.60 0.93124 0.00069	10.60 0.92535 0.00068	11.40 0.95832 0.00069
10.80 0.94305 0.00069	10.80 0.93754 0.00068	11.60 0.96697 0.00067
11.00 0.95553 0.00067	11.00 0.94936 0.00066	11.80 0.97577 0.00066
11.20 0.96619 0.00069	11.20 0.95938 0.00071	12.00 0.98552 0.00069
11.40 0.97733 0.00073	11.40 0.97075 0.00071	12.20 0.99400 0.00070
11.60 0.98831 0.00073	11.60 0.98214 0.00070	12.40 1.00283 0.00067
11.80 0.99971 0.00066	11.80 0.99332 0.00069	12.60 1.01265 0.00068
12.00 1.00877 0.00071	12.00 1.00312 0.00071	12.80 1.01992 0.00070
12.20 1.02050 0.00068	12.20 1.01180 0.00071	13.00 1.02819 0.00071
12.40 1.02961 0.00069	12.40 1.02174 0.00069	13.20 1.03570 0.00066
12.60 1.03964 0.00069	12.60 1.03043 0.00069	13.40 1.04409 0.00067
12.80 1.04715 0.00071	12.80 1.04128 0.00069	13.60 1.05232 0.00069
13.00 1.05663 0.00066	13.00 1.04885 0.00068	13.80 1.05956 0.00068
13.20 1.06750 0.00066	13.20 1.05689 0.00070	14.00 1.06543 0.00069
13.40 1.07408 0.00068	13.40 1.06599 0.00067	
13.60 1.08195 0.00069	13.60 1.07311 0.00066	
13.80 1.08898 0.00068	13.80 1.08059 0.00068	
14.00 1.09830 0.00068	14.00 1.08833 0.00067	

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500	750	1000
10.90 0.92412 0.00066	10.70 0.92230 0.00067	10.00 0.89904 0.00065
11.10 0.93626 0.00066	10.90 0.93371 0.00065	10.20 0.91074 0.00068
11.30 0.94632 0.00066	11.10 0.94199 0.00065	10.40 0.92052 0.00065
11.50 0.95600 0.00066	11.30 0.95199 0.00066	10.60 0.93260 0.00066
11.70 0.96562 0.00069	11.50 0.96231 0.00065	10.80 0.94242 0.00064
11.90 0.97364 0.00066	11.70 0.97154 0.00065	11.00 0.95511 0.00065
12.10 0.98272 0.00066	11.90 0.98176 0.00066	11.20 0.96386 0.00064
12.30 0.99146 0.00067	12.10 0.98979 0.00066	11.40 0.97394 0.00064
12.50 1.00045 0.00067	12.30 0.99878 0.00064	11.60 0.98336 0.00063
12.70 1.00968 0.00070	12.50 1.00615 0.00064	11.80 0.99241 0.00065
12.90 1.01763 0.00068	12.70 1.01448 0.00065	12.00 1.00039 0.00065
13.10 1.02466 0.00069	12.90 1.02279 0.00066	12.20 1.01059 0.00066
13.30 1.03266 0.00068	13.10 1.02968 0.00065	12.40 1.01834 0.00066
13.50 1.04027 0.00071	13.30 1.03719 0.00066	12.60 1.02506 0.00067
13.70 1.04758 0.00069	13.50 1.04543 0.00066	12.80 1.03448 0.00065
13.90 1.05473 0.00067	13.70 1.05172 0.00067	13.00 1.04164 0.00067
14.10 1.06193 0.00065	13.90 1.05842 0.00064	13.20 1.05006 0.00067
14.30 1.06772 0.00066	14.00 1.06309 0.00065	13.40 1.05796 0.00066
14.50 1.07339 0.00066		13.60 1.06339 0.00063
14.70 1.08195 0.00069		13.80 1.07018 0.00063
14.90 1.08772 0.00067		14.00 1.07863 0.00067
15.00 1.08947 0.00066		

1500	2000	2500
9.00 0.88044 0.00062	8.90 0.92322 0.00060	8.20 0.91659 0.00060
9.20 0.89429 0.00061	8.95 0.92614 0.00062	8.25 0.92098 0.00062
9.40 0.90742 0.00060	9.00 0.92988 0.00063	8.30 0.92447 0.00061
9.60 0.92045 0.00063	9.05 0.93211 0.00063	8.35 0.92926 0.00060
9.80 0.93268 0.00062	9.10 0.93557 0.00061	8.40 0.93335 0.00060
10.00 0.94469 0.00062	9.15 0.93979 0.00059	8.45 0.93608 0.00059
10.20 0.95642 0.00063	9.20 0.94414 0.00061	8.50 0.94110 0.00059
10.40 0.96703 0.00061	9.25 0.94630 0.00063	8.55 0.94469 0.00059
10.60 0.97821 0.00064	9.30 0.94893 0.00060	8.60 0.94921 0.00059
10.80 0.98942 0.00064	9.35 0.95471 0.00062	8.65 0.95357 0.00060
11.00 1.00044 0.00064	9.40 0.95751 0.00062	8.70 0.95613 0.00060
11.20 1.00991 0.00062	9.45 0.95984 0.00058	8.75 0.96084 0.00060
11.40 1.02022 0.00063	9.50 0.96438 0.00063	8.80 0.96348 0.00059
11.60 1.02793 0.00060	9.55 0.96660 0.00059	8.85 0.96751 0.00059
11.80 1.03697 0.00061	9.60 0.96883 0.00062	8.90 0.97081 0.00060
12.00 1.04766 0.00063	9.65 0.97266 0.00061	8.95 0.97369 0.00059
12.20 1.05657 0.00061	9.70 0.97631 0.00061	9.00 0.97798 0.00061
12.40 1.06418 0.00062	9.75 0.97790 0.00060	9.05 0.98263 0.00058
12.60 1.07270 0.00062	9.80 0.98177 0.00063	9.10 0.98578 0.00062
12.80 1.08180 0.00064	9.85 0.98528 0.00061	9.15 0.98855 0.00060
13.00 1.09025 0.00063	9.90 0.98802 0.00064	9.20 0.99268 0.00060
	9.95 0.99162 0.00062	9.25 0.99524 0.00058
	10.00 0.99567 0.00061	9.30 0.99906 0.00063
	10.05 0.99669 0.00061	9.35 1.00304 0.00059
	10.10 0.99996 0.00060	9.40 1.00634 0.00060
	10.15 1.00274 0.00059	
	10.20 1.00622 0.00060	
	10.25 1.00974 0.00062	
	10.30 1.01255 0.00064	

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3000	4000	5000
7.70 0.92071 0.00054	6.80 0.91590 0.00058	6.20 0.92111 0.00057
7.75 0.92531 0.00061	6.85 0.92061 0.00057	6.25 0.92659 0.00055
7.80 0.92910 0.00061	6.90 0.92684 0.00059	6.30 0.93369 0.00054
7.85 0.93418 0.00059	6.95 0.93176 0.00057	6.35 0.93874 0.00056
7.90 0.93846 0.00059	7.00 0.93701 0.00058	6.40 0.94559 0.00055
7.95 0.94339 0.00057	7.05 0.94169 0.00060	6.45 0.95148 0.00057
8.00 0.94617 0.00058	7.10 0.94676 0.00057	6.50 0.95862 0.00057
8.05 0.95083 0.00058	7.15 0.95336 0.00059	6.55 0.96253 0.00057
8.10 0.95505 0.00059	7.20 0.95816 0.00057	6.60 0.96908 0.00056
8.15 0.95966 0.00061	7.25 0.96222 0.00060	6.65 0.97505 0.00055
8.20 0.96365 0.00059	7.30 0.96815 0.00057	6.70 0.98054 0.00056
8.25 0.96813 0.00059	7.35 0.97212 0.00060	6.75 0.98629 0.00056
8.30 0.97109 0.00059	7.40 0.97765 0.00057	6.80 0.99147 0.00057
8.35 0.97600 0.00061	7.45 0.98420 0.00057	6.85 0.99778 0.00056
8.40 0.97973 0.00058	7.50 0.98741 0.00060	6.90 1.00403 0.00058
8.45 0.98458 0.00059	7.55 0.99295 0.00058	6.95 1.00913 0.00058
8.50 0.98787 0.00061	7.60 0.99853 0.00058	7.00 1.01424 0.00056
8.55 0.99225 0.00059	7.65 1.00247 0.00059	
8.60 0.99589 0.00058	7.70 1.00683 0.00057	
8.65 0.99979 0.00059	7.75 1.01197 0.00058	
8.70 1.00383 0.00059	7.80 1.01600 0.00059	
8.75 1.00823 0.00060		
8.80 1.01322 0.00060		
8.85 1.01692 0.00059		
8.90 1.01863 0.00060		
8.95 1.02308 0.00061		
9.00 1.02744 0.00060		

6000	7000	7500
5.60 0.90742 0.00056	5.20 0.90959 0.00053	5.00 0.90795 0.00052
5.62 0.91112 0.00055	5.22 0.91264 0.00052	5.02 0.90993 0.00050
5.64 0.91400 0.00054	5.24 0.91682 0.00054	5.04 0.91441 0.00051
5.66 0.91599 0.00054	5.26 0.92075 0.00053	5.06 0.91780 0.00051
5.68 0.91960 0.00054	5.28 0.92223 0.00052	5.08 0.92065 0.00053
5.70 0.92141 0.00054	5.30 0.92484 0.00052	5.10 0.92302 0.00051
5.72 0.92446 0.00056	5.32 0.92800 0.00054	5.12 0.92639 0.00051
5.74 0.92683 0.00053	5.34 0.93058 0.00052	5.14 0.92918 0.00053
5.76 0.93057 0.00056	5.36 0.93506 0.00054	5.16 0.93211 0.00054
5.78 0.93311 0.00054	5.38 0.93715 0.00055	5.18 0.93594 0.00051
5.80 0.93613 0.00054	5.40 0.94024 0.00053	5.20 0.93749 0.00051
5.82 0.93880 0.00055	5.42 0.94356 0.00053	5.22 0.94260 0.00053
5.84 0.94169 0.00054	5.44 0.94763 0.00054	5.24 0.94514 0.00053
5.86 0.94500 0.00055	5.46 0.95068 0.00054	5.26 0.94894 0.00053
5.88 0.94691 0.00056	5.48 0.95265 0.00056	5.28 0.95093 0.00053
5.90 0.94947 0.00055	5.50 0.95553 0.00053	5.30 0.95373 0.00052
5.92 0.95075 0.00057	5.52 0.95866 0.00053	5.32 0.95897 0.00054
5.94 0.95418 0.00056	5.54 0.96207 0.00054	5.34 0.96099 0.00055
5.96 0.95767 0.00055	5.56 0.96425 0.00054	5.36 0.96403 0.00053
5.98 0.96078 0.00054	5.58 0.96832 0.00055	5.38 0.96646 0.00054
6.00 0.96363 0.00055	5.60 0.97109 0.00053	5.40 0.97093 0.00054
6.02 0.96588 0.00056	5.62 0.97371 0.00055	5.42 0.97349 0.00052
6.04 0.96939 0.00056	5.64 0.97708 0.00057	5.44 0.97567 0.00054
6.06 0.97216 0.00055	5.66 0.97924 0.00054	5.46 0.98019 0.00055
6.08 0.97394 0.00057	5.68 0.98242 0.00055	5.48 0.98339 0.00052

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6.10	0.97647	0.00056	5.70	0.98423	0.00053	5.50	0.98480	0.00053
6.12	0.97850	0.00057	5.72	0.98765	0.00054	5.52	0.98849	0.00051
6.14	0.98145	0.00055	5.74	0.99011	0.00055	5.54	0.99118	0.00054
6.16	0.98434	0.00056	5.76	0.99404	0.00056	5.56	0.99428	0.00054
6.18	0.98750	0.00055	5.78	0.99625	0.00055	5.58	0.99787	0.00056
6.20	0.98956	0.00057	5.80	0.99875	0.00056	5.60	1.00059	0.00052
6.22	0.99168	0.00053	5.82	1.00203	0.00057	5.62	1.00269	0.00055
6.24	0.99524	0.00054	5.84	1.00511	0.00055	5.64	1.00586	0.00056
6.26	0.99803	0.00056	5.86	1.00812	0.00056	5.66	1.01002	0.00055
6.28	1.00013	0.00056	5.88	1.01029	0.00055	5.68	1.01235	0.00055
6.30	1.00228	0.00056	5.90	1.01329	0.00054	5.70	1.01549	0.00057
6.32	1.00427	0.00058	5.92	1.01603	0.00055			
6.34	1.00776	0.00056	5.94	1.01895	0.00055			
6.36	1.01064	0.00055	5.96	1.02271	0.00056			
6.38	1.01190	0.00056	5.98	1.02485	0.00055			
6.40	1.01454	0.00057	6.00	1.02698	0.00055			

8000	9000	10000						
4.90	0.91932	0.00052	4.50	0.90168	0.00048	4.30	0.91548	0.00049
4.92	0.92187	0.00054	4.52	0.90537	0.00049	4.32	0.91845	0.00047
4.94	0.92508	0.00052	4.54	0.90993	0.00049	4.34	0.92205	0.00047
4.96	0.92881	0.00052	4.56	0.91209	0.00048	4.36	0.92634	0.00047
4.98	0.93265	0.00052	4.58	0.91600	0.00051	4.38	0.92956	0.00048
5.00	0.93531	0.00053	4.60	0.92003	0.00051	4.40	0.93329	0.00049
5.02	0.93815	0.00053	4.62	0.92358	0.00050	4.42	0.93634	0.00049
5.04	0.94223	0.00052	4.64	0.92678	0.00049	4.44	0.94111	0.00047
5.06	0.94471	0.00052	4.66	0.93097	0.00052	4.46	0.94587	0.00048
5.08	0.94772	0.00053	4.68	0.93485	0.00050	4.48	0.94909	0.00049
5.10	0.95272	0.00049	4.70	0.93809	0.00050	4.50	0.95296	0.00050
5.12	0.95451	0.00053	4.72	0.94137	0.00051	4.52	0.95632	0.00047
5.14	0.95728	0.00051	4.74	0.94498	0.00051	4.54	0.95956	0.00051
5.16	0.96007	0.00051	4.76	0.94800	0.00053	4.56	0.96368	0.00049
5.18	0.96482	0.00054	4.78	0.95108	0.00051	4.58	0.96757	0.00050
5.20	0.96792	0.00051	4.80	0.95608	0.00050	4.60	0.97071	0.00050
5.22	0.97092	0.00053	4.82	0.95914	0.00052	4.62	0.97425	0.00050
5.24	0.97512	0.00053	4.84	0.96189	0.00052	4.64	0.97757	0.00050
5.26	0.97756	0.00051	4.86	0.96558	0.00051	4.66	0.98056	0.00050
5.28	0.98083	0.00052	4.88	0.96853	0.00050	4.68	0.98474	0.00050
5.30	0.98324	0.00052	4.90	0.97248	0.00052	4.70	0.98936	0.00048
5.32	0.98628	0.00054	4.92	0.97554	0.00050	4.72	0.99313	0.00049
5.34	0.98998	0.00052	4.94	0.97951	0.00051	4.74	0.99604	0.00052
5.36	0.99337	0.00052	4.96	0.98198	0.00049	4.76	0.99977	0.00050
5.38	0.99657	0.00053	4.98	0.98667	0.00052	4.78	1.00385	0.00050
5.40	0.99872	0.00053	5.00	0.98882	0.00052	4.80	1.00661	0.00050
5.42	1.00268	0.00054	5.02	0.99186	0.00052	4.82	1.00977	0.00049
5.44	1.00397	0.00053	5.04	0.99558	0.00050	4.84	1.01424	0.00051
5.46	1.00803	0.00051	5.06	0.99972	0.00051	4.86	1.01714	0.00052
5.48	1.01173	0.00052	5.08	1.00265	0.00053	4.88	1.02057	0.00051
5.50	1.01607	0.00053	5.10	1.00594	0.00051	4.90	1.02429	0.00053
			5.12	1.01013	0.00052	4.92	1.02630	0.00050
			5.14	1.01314	0.00053	4.94	1.03152	0.00052
			5.16	1.01713	0.00051	4.96	1.03399	0.00052
			5.18	1.01956	0.00052	4.98	1.03776	0.00052
			5.20	1.02234	0.00054	5.00	1.04214	0.00052

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15000	19600
3.20 0.90347 0.00043	2.60 0.92386 0.00040
3.22 0.90805 0.00040	2.62 0.92987 0.00042
3.24 0.91349 0.00041	2.64 0.93595 0.00042
3.26 0.91759 0.00043	2.66 0.94118 0.00042
3.28 0.92237 0.00041	2.68 0.94689 0.00043
3.30 0.92745 0.00042	2.70 0.95233 0.00042
3.32 0.93208 0.00043	2.72 0.95917 0.00042
3.34 0.93631 0.00044	2.74 0.96362 0.00043
3.36 0.94190 0.00044	2.76 0.96963 0.00043
3.38 0.94586 0.00043	2.78 0.97598 0.00043
3.40 0.95116 0.00046	2.80 0.98071 0.00045
3.42 0.95597 0.00044	2.82 0.98720 0.00045
3.44 0.96097 0.00043	2.84 0.99237 0.00044
3.46 0.96514 0.00044	2.86 0.99795 0.00046
3.48 0.96939 0.00043	2.88 1.00371 0.00044
3.50 0.97427 0.00045	2.90 1.00894 0.00044
3.52 0.97922 0.00043	
3.54 0.98416 0.00045	
3.56 0.98822 0.00042	
3.58 0.99284 0.00044	
3.60 0.99667 0.00047	
3.62 1.00134 0.00044	
3.64 1.00680 0.00047	
3.66 1.01109 0.00045	
3.68 1.01451 0.00045	
3.70 1.02057 0.00044	

## sumtable.pu-icyl-0800-01

10	13	15
999.98 0.99129 0.00019	20.00 0.92444 0.00035	17.00 0.92681 0.00041
999.99 0.99129 0.00019	20.50 0.93106 0.00037	17.25 0.93204 0.00041
	21.00 0.93694 0.00037	17.50 0.93609 0.00042
	21.50 0.94317 0.00036	17.75 0.94132 0.00041
	22.00 0.94872 0.00036	18.00 0.94588 0.00040
	22.50 0.95371 0.00036	18.25 0.94899 0.00042
	23.00 0.95894 0.00037	18.50 0.95272 0.00041
	23.50 0.96336 0.00034	18.75 0.95675 0.00038
	24.00 0.96834 0.00036	19.00 0.96102 0.00039
	24.50 0.97313 0.00034	19.25 0.96624 0.00040
	25.00 0.97701 0.00035	19.50 0.96824 0.00041
	25.50 0.98129 0.00035	19.75 0.97268 0.00040
	26.00 0.98428 0.00035	20.00 0.97585 0.00040
	26.50 0.98819 0.00035	20.25 0.97937 0.00039
	27.00 0.99208 0.00034	20.50 0.98258 0.00039
	27.50 0.99537 0.00033	20.75 0.98538 0.00040
	28.00 0.99855 0.00034	21.00 0.98958 0.00038
	28.50 1.00164 0.00034	21.25 0.99224 0.00040
	29.00 1.00435 0.00034	21.50 0.99448 0.00041
	29.50 1.00668 0.00033	21.75 0.99779 0.00038
	30.00 1.00963 0.00033	22.00 1.00061 0.00039
	32.50 1.02182 0.00031	22.25 1.00385 0.00038
	35.00 1.03095 0.00031	22.50 1.00704 0.00038
	37.50 1.03941 0.00031	22.75 1.00969 0.00037
	40.00 1.04670 0.00029	23.00 1.01155 0.00038
	42.50 1.05156 0.00030	

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18	20	22
14.00 0.91220 0.00048	13.00 0.91113 0.00050	12.00 0.89978 0.00051
14.25 0.92052 0.00045	13.25 0.91896 0.00049	12.20 0.90788 0.00048
14.50 0.92712 0.00047	13.50 0.92826 0.00048	12.40 0.91429 0.00050
14.75 0.93314 0.00045	13.75 0.93484 0.00049	12.60 0.92259 0.00050
15.00 0.94039 0.00046	14.00 0.94291 0.00044	12.80 0.92898 0.00049
15.25 0.94571 0.00045	14.25 0.95044 0.00046	13.00 0.93595 0.00050
15.50 0.95248 0.00045	14.50 0.95751 0.00048	13.20 0.94355 0.00050
15.75 0.95952 0.00045	14.75 0.96315 0.00047	13.40 0.94963 0.00048
16.00 0.96378 0.00043	15.00 0.97117 0.00048	13.60 0.95543 0.00050
16.25 0.96985 0.00042	15.25 0.97747 0.00046	13.80 0.96138 0.00048
16.50 0.97563 0.00045	15.50 0.98307 0.00048	14.00 0.96833 0.00050
16.75 0.98067 0.00045	15.75 0.98865 0.00046	14.20 0.97532 0.00048
17.00 0.98738 0.00043	16.00 0.99497 0.00047	14.40 0.98071 0.00050
17.25 0.99044 0.00044	16.25 1.00107 0.00045	14.60 0.98597 0.00051
17.50 0.99473 0.00043	16.50 1.00725 0.00044	14.80 0.99180 0.00049
17.75 0.99942 0.00044	16.75 1.01106 0.00047	15.00 0.99676 0.00048
18.00 1.00510 0.00044	17.00 1.01679 0.00045	15.20 1.00295 0.00048
18.25 1.00917 0.00043	17.25 1.02282 0.00047	15.40 1.00755 0.00048
18.50 1.01253 0.00043	17.50 1.02703 0.00046	15.60 1.01193 0.00048
18.75 1.01819 0.00043	17.75 1.03177 0.00044	15.80 1.01691 0.00047
19.00 1.02142 0.00045	18.00 1.03747 0.00046	16.00 1.02360 0.00051
19.25 1.02481 0.00043	18.25 1.04065 0.00043	16.20 1.02619 0.00048
19.50 1.02999 0.00042	18.50 1.04600 0.00047	16.40 1.03128 0.00048
19.75 1.03329 0.00044	18.75 1.04987 0.00047	16.60 1.03649 0.00048
20.00 1.03605 0.00044	19.00 1.05498 0.00045	16.80 1.04013 0.00047
	19.25 1.05824 0.00045	17.00 1.04336 0.00048
	19.50 1.06156 0.00044	
	19.75 1.06580 0.00042	
	20.00 1.07016 0.00045	

24	25	26
12.00 0.92107 0.00051	11.90 0.92571 0.00051	11.00 0.89572 0.00054
12.20 0.92927 0.00051	12.10 0.93544 0.00050	11.20 0.90465 0.00053
12.40 0.93628 0.00051	12.30 0.94225 0.00053	11.40 0.91399 0.00050
12.60 0.94340 0.00052	12.50 0.95074 0.00051	11.60 0.92158 0.00052
12.80 0.95202 0.00050	12.70 0.95666 0.00053	11.80 0.93076 0.00053
13.00 0.95864 0.00051	12.90 0.96381 0.00053	12.00 0.93912 0.00056
13.20 0.96505 0.00052	13.10 0.97033 0.00053	12.20 0.94735 0.00052
13.40 0.97138 0.00049	13.30 0.97735 0.00053	12.40 0.95399 0.00052
13.60 0.97775 0.00050	13.50 0.98409 0.00052	12.60 0.96264 0.00053
13.80 0.98443 0.00053	13.70 0.99155 0.00053	12.80 0.97021 0.00050
14.00 0.98977 0.00051	13.90 0.99713 0.00049	13.00 0.97676 0.00051
14.20 0.99672 0.00050	14.10 1.00358 0.00050	13.20 0.98393 0.00053
14.40 1.00243 0.00049	14.30 1.00946 0.00053	13.40 0.99011 0.00053
14.60 1.00837 0.00049	14.50 1.01599 0.00052	13.60 0.99734 0.00052
14.80 1.01447 0.00051	14.70 1.02053 0.00051	13.80 1.00404 0.00049
15.00 1.01900 0.00049	14.90 1.02591 0.00051	14.00 1.01038 0.00051
15.20 1.02435 0.00050	15.10 1.03292 0.00050	14.20 1.01634 0.00052
15.40 1.03010 0.00049	15.30 1.03702 0.00051	14.40 1.02175 0.00052
15.60 1.03447 0.00049	15.50 1.04308 0.00051	14.60 1.02785 0.00050
15.80 1.04098 0.00050	15.70 1.04884 0.00050	14.80 1.03339 0.00050
16.00 1.04449 0.00050	15.90 1.05203 0.00050	15.00 1.03788 0.00051
	16.00 1.05466 0.00050	15.20 1.04431 0.00049
		15.40 1.04979 0.00051
		15.60 1.05548 0.00051
		15.80 1.06050 0.00053

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28	30	32
11.00 0.91154 0.00053	11.00 0.92472 0.00056	10.00 0.88635 0.00056
11.20 0.91993 0.00054	11.20 0.93400 0.00056	10.20 0.89690 0.00059
11.40 0.93024 0.00053	11.40 0.94481 0.00053	10.40 0.90760 0.00056
11.60 0.93762 0.00056	11.60 0.95214 0.00057	10.60 0.91763 0.00055
11.80 0.94704 0.00054	11.80 0.96143 0.00054	10.80 0.92719 0.00056
12.00 0.95499 0.00051	12.00 0.96911 0.00056	11.00 0.93834 0.00056
12.20 0.96192 0.00052	12.20 0.97701 0.00056	11.20 0.94685 0.00056
12.40 0.97108 0.00054	12.40 0.98544 0.00054	11.40 0.95734 0.00055
12.60 0.97820 0.00054	12.60 0.99272 0.00056	11.60 0.96497 0.00056
12.80 0.98535 0.00051	12.80 0.99995 0.00055	11.80 0.97304 0.00057
13.00 0.99226 0.00056	13.00 1.00758 0.00053	12.00 0.98115 0.00056
13.20 1.00093 0.00054	13.20 1.01676 0.00054	12.20 0.99057 0.00057
13.40 1.00739 0.00054	13.40 1.02194 0.00056	12.40 0.99872 0.00057
13.60 1.01371 0.00053	13.60 1.02717 0.00054	12.60 1.00445 0.00056
13.80 1.02035 0.00051	13.80 1.03507 0.00054	12.80 1.01345 0.00058
14.00 1.02753 0.00054	14.00 1.04143 0.00054	13.00 1.02131 0.00053
14.20 1.03211 0.00051	14.20 1.04716 0.00057	13.20 1.02838 0.00057
14.40 1.03822 0.00053	14.40 1.05454 0.00055	13.40 1.03358 0.00053
14.60 1.04472 0.00052	14.60 1.05773 0.00054	13.60 1.04167 0.00057
14.80 1.04978 0.00052	14.80 1.06428 0.00051	13.80 1.04821 0.00056
15.00 1.05568 0.00054	15.00 1.07046 0.00053	14.00 1.05394 0.00053
		14.20 1.05944 0.00055
		14.40 1.06600 0.00054
		14.60 1.07252 0.00053
		14.80 1.07884 0.00054
		15.00 1.08371 0.00053

36	40	45
10.00 0.90589 0.00059	10.00 0.92298 0.00058	9.70 0.92079 0.00059
10.20 0.91749 0.00057	10.20 0.93253 0.00060	9.80 0.92677 0.00059
10.40 0.92866 0.00057	10.40 0.94436 0.00061	9.90 0.93285 0.00064
10.60 0.93751 0.00060	10.60 0.95426 0.00058	10.00 0.93933 0.00058
10.80 0.94851 0.00059	10.80 0.96428 0.00061	10.10 0.94246 0.00060
11.00 0.95746 0.00055	11.00 0.97359 0.00063	10.20 0.94934 0.00062
11.20 0.96769 0.00058	11.20 0.98310 0.00058	10.30 0.95420 0.00062
11.40 0.97668 0.00058	11.40 0.99232 0.00058	10.40 0.96020 0.00061
11.60 0.98569 0.00057	11.60 1.00216 0.00057	10.50 0.96502 0.00058
11.80 0.99316 0.00058	11.80 1.01047 0.00059	10.60 0.97068 0.00062
12.00 1.00209 0.00056	12.00 1.01875 0.00060	10.70 0.97538 0.00060
12.20 1.01065 0.00057	12.20 1.02690 0.00056	10.80 0.97865 0.00059
12.40 1.01816 0.00057	12.40 1.03561 0.00061	10.90 0.98497 0.00062
12.60 1.02722 0.00058	12.60 1.04388 0.00059	11.00 0.98919 0.00060
12.80 1.03400 0.00058	12.80 1.04983 0.00057	11.10 0.99536 0.00061
13.00 1.04132 0.00056	13.00 1.05813 0.00059	11.20 0.99902 0.00061
13.20 1.04933 0.00057	13.20 1.06587 0.00059	11.30 1.00399 0.00059
13.40 1.05566 0.00056	13.40 1.07299 0.00058	11.40 1.00919 0.00059
13.60 1.06347 0.00056	13.60 1.07949 0.00059	11.50 1.01270 0.00061
13.80 1.07070 0.00057	13.80 1.08472 0.00057	11.60 1.01690 0.00060
14.00 1.07656 0.00056	14.00 1.09311 0.00058	11.70 1.02293 0.00058
		11.80 1.02704 0.00061
		11.90 1.03006 0.00061
		12.00 1.03453 0.00062

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50	75	100
9.00 0.89019 0.00059	9.00 0.92147 0.00066	8.80 0.91782 0.00066
9.20 0.90298 0.00061	9.10 0.92628 0.00066	9.00 0.93148 0.00068
9.40 0.91432 0.00061	9.20 0.93420 0.00066	9.20 0.94440 0.00067
9.60 0.92706 0.00058	9.30 0.93876 0.00066	9.40 0.95689 0.00071
9.80 0.93790 0.00062	9.40 0.94526 0.00064	9.60 0.96795 0.00066
10.00 0.94968 0.00061	9.50 0.95200 0.00065	9.80 0.97959 0.00070
10.20 0.96065 0.00063	9.60 0.95819 0.00066	10.00 0.99210 0.00066
10.40 0.97159 0.00061	9.70 0.96413 0.00062	10.20 0.99996 0.00068
10.60 0.98231 0.00063	9.80 0.96912 0.00064	10.40 1.01113 0.00066
10.80 0.99227 0.00063	9.90 0.97582 0.00065	10.60 1.02144 0.00066
11.00 1.00219 0.00061	10.00 0.98156 0.00064	10.80 1.03160 0.00065
11.20 1.01133 0.00061	10.10 0.98676 0.00062	11.00 1.04161 0.00063
11.40 1.02103 0.00060	10.20 0.99241 0.00065	11.20 1.05156 0.00065
11.60 1.03094 0.00059	10.30 0.99680 0.00064	11.40 1.06001 0.00066
11.80 1.03822 0.00061	10.40 1.00233 0.00067	11.60 1.06837 0.00065
12.00 1.04688 0.00061	10.50 1.00706 0.00066	11.80 1.07750 0.00067
12.20 1.05568 0.00060	10.60 1.01263 0.00064	12.00 1.08767 0.00066
12.40 1.06371 0.00060	10.70 1.01885 0.00065	
12.60 1.07202 0.00061	10.80 1.02402 0.00066	
12.80 1.07950 0.00059	10.90 1.02932 0.00067	
13.00 1.08759 0.00061	11.00 1.03382 0.00065	

150	200	350
8.80 0.92087 0.00071	8.90 0.92128 0.00069	9.00 0.91322 0.00068
8.90 0.92579 0.00066	9.00 0.92850 0.00069	9.20 0.92642 0.00067
9.00 0.93333 0.00066	9.10 0.93489 0.00066	9.40 0.93663 0.00070
9.10 0.93851 0.00066	9.20 0.93937 0.00068	9.60 0.94876 0.00066
9.20 0.94439 0.00070	9.30 0.94561 0.00067	9.80 0.95864 0.00066
9.30 0.95169 0.00065	9.40 0.95252 0.00068	10.00 0.96781 0.00066
9.40 0.95601 0.00069	9.50 0.95724 0.00067	10.20 0.97782 0.00066
9.50 0.96293 0.00068	9.60 0.96266 0.00067	10.40 0.98775 0.00066
9.60 0.96882 0.00066	9.70 0.96736 0.00067	10.60 0.99534 0.00069
9.70 0.97475 0.00066	9.80 0.97411 0.00070	10.80 1.00647 0.00066
9.80 0.97894 0.00066	9.90 0.97870 0.00065	11.00 1.01339 0.00067
9.90 0.98529 0.00069	10.00 0.98373 0.00069	11.20 1.02130 0.00065
10.00 0.99019 0.00066	10.10 0.98865 0.00067	11.40 1.03042 0.00072
10.10 0.99500 0.00066	10.20 0.99429 0.00067	11.60 1.03803 0.00069
10.20 1.00174 0.00067	10.30 0.99866 0.00067	11.80 1.04560 0.00067
10.30 1.00542 0.00068	10.40 1.00330 0.00071	12.00 1.05454 0.00069
10.40 1.01174 0.00065	10.50 1.00964 0.00066	12.20 1.06118 0.00069
10.50 1.01564 0.00069	10.60 1.01269 0.00068	12.40 1.06911 0.00066
10.60 1.02021 0.00069	10.70 1.01778 0.00069	12.60 1.07467 0.00065
10.70 1.02670 0.00064	10.80 1.02294 0.00069	12.80 1.08225 0.00067
10.80 1.02983 0.00066	10.90 1.02832 0.00072	13.00 1.08828 0.00070
10.90 1.03506 0.00066	11.00 1.03238 0.00068	
11.00 1.03984 0.00067		

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500	750	1000
9.00 0.90975 0.00065	9.00 0.91624 0.00066	8.90 0.92571 0.00062
9.20 0.92165 0.00065	9.20 0.92765 0.00066	9.10 0.93654 0.00063
9.40 0.93180 0.00067	9.40 0.93759 0.00065	9.30 0.94743 0.00063
9.60 0.94321 0.00063	9.60 0.94708 0.00065	9.50 0.95756 0.00065
9.80 0.95229 0.00066	9.80 0.95696 0.00066	9.70 0.96657 0.00065
10.00 0.96242 0.00063	10.00 0.96724 0.00067	9.90 0.97758 0.00062
10.20 0.97296 0.00065	10.20 0.97630 0.00065	10.10 0.98645 0.00064
10.40 0.98020 0.00067	10.40 0.98652 0.00062	10.30 0.99449 0.00064
10.60 0.99024 0.00067	10.60 0.99351 0.00064	10.50 1.00359 0.00065
10.80 0.99964 0.00068	10.80 1.00361 0.00064	10.70 1.01240 0.00063
11.00 1.00699 0.00064	11.00 1.01063 0.00064	10.90 1.02158 0.00065
11.20 1.01455 0.00066	11.20 1.01924 0.00068	11.10 1.03086 0.00063
11.40 1.02313 0.00068	11.40 1.02679 0.00064	11.30 1.03695 0.00065
11.60 1.03003 0.00065	11.60 1.03422 0.00065	11.50 1.04421 0.00064
11.80 1.03890 0.00067	11.80 1.04142 0.00066	11.70 1.05259 0.00061
12.00 1.04695 0.00066	12.00 1.04890 0.00068	11.90 1.06008 0.00063
12.20 1.05313 0.00066	12.20 1.05743 0.00067	12.00 1.06328 0.00064
12.40 1.06018 0.00065	12.40 1.06296 0.00068	
12.60 1.06665 0.00066	12.60 1.06834 0.00064	
12.80 1.07372 0.00065	12.80 1.07605 0.00065	
13.00 1.08002 0.00064	13.00 1.08130 0.00064	

1500	2000	2500
8.00 0.91097 0.00063	7.50 0.92227 0.00062	6.90 0.91943 0.00063
8.05 0.91495 0.00063	7.55 0.92533 0.00061	6.95 0.92324 0.00062
8.10 0.91883 0.00063	7.60 0.92938 0.00062	7.00 0.92751 0.00062
8.15 0.92286 0.00060	7.65 0.93372 0.00064	7.05 0.93130 0.00062
8.20 0.92465 0.00063	7.70 0.93669 0.00061	7.10 0.93565 0.00060
8.25 0.92806 0.00063	7.75 0.93990 0.00064	7.15 0.93865 0.00062
8.30 0.93150 0.00064	7.80 0.94357 0.00062	7.20 0.94368 0.00062
8.35 0.93395 0.00064	7.85 0.94658 0.00062	7.25 0.94672 0.00065
8.40 0.93785 0.00063	7.90 0.95057 0.00063	7.30 0.95112 0.00061
8.45 0.93979 0.00061	7.95 0.95382 0.00059	7.35 0.95453 0.00063
8.50 0.94219 0.00065	8.00 0.95756 0.00063	7.40 0.95873 0.00060
8.55 0.94819 0.00065	8.05 0.95892 0.00062	7.45 0.96211 0.00060
8.60 0.94878 0.00062	8.10 0.96280 0.00061	7.50 0.96766 0.00061
8.65 0.95207 0.00063	8.15 0.96787 0.00065	7.55 0.96962 0.00063
8.70 0.95552 0.00061	8.20 0.97023 0.00061	7.60 0.97465 0.00061
8.75 0.95830 0.00063	8.25 0.97400 0.00064	7.65 0.97889 0.00061
8.80 0.96113 0.00064	8.30 0.97545 0.00062	7.70 0.98127 0.00060
8.85 0.96374 0.00064	8.35 0.97965 0.00060	7.75 0.98488 0.00058
8.90 0.96681 0.00062	8.40 0.98284 0.00062	7.80 0.98890 0.00060
8.95 0.97001 0.00061	8.45 0.98592 0.00063	7.85 0.99276 0.00062
9.00 0.97136 0.00063	8.50 0.98887 0.00064	7.90 0.99479 0.00059
9.05 0.97568 0.00064	8.55 0.99172 0.00062	7.95 0.99992 0.00063
9.10 0.97762 0.00062	8.60 0.99516 0.00060	8.00 1.00255 0.00062
9.15 0.98102 0.00063	8.65 0.99902 0.00062	8.05 1.00651 0.00060
9.20 0.98346 0.00062	8.70 1.00016 0.00060	8.10 1.00904 0.00062
9.25 0.98656 0.00062	8.75 1.00476 0.00062	
9.30 0.98767 0.00063	8.80 1.00680 0.00062	
9.35 0.99144 0.00065	8.85 1.00980 0.00061	
9.40 0.99283 0.00062	8.90 1.01313 0.00061	
9.45 0.99639 0.00063	8.95 1.01745 0.00064	
9.50 0.99860 0.00061	9.00 1.01885 0.00063	
9.55 1.00144 0.00061		
9.60 1.00411 0.00064		
9.65 1.00637 0.00063		

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3000	4000	5000
6.40 0.91813 0.00059	5.70 0.92137 0.00060	5.00 0.90435 0.00059
6.45 0.92290 0.00059	5.75 0.92817 0.00061	5.02 0.90921 0.00058
6.50 0.92711 0.00062	5.80 0.93315 0.00061	5.04 0.90994 0.00060
6.55 0.93089 0.00061	5.85 0.93971 0.00062	5.06 0.91248 0.00059
6.60 0.93637 0.00061	5.90 0.94551 0.00062	5.08 0.91672 0.00058
6.65 0.94028 0.00059	5.95 0.95023 0.00060	5.10 0.91916 0.00059
6.70 0.94281 0.00060	6.00 0.95485 0.00061	5.12 0.92107 0.00058
6.75 0.94893 0.00061	6.05 0.96011 0.00059	5.14 0.92484 0.00062
6.80 0.95372 0.00061	6.10 0.96568 0.00060	5.16 0.92672 0.00060
6.85 0.95686 0.00061	6.15 0.97186 0.00059	5.18 0.93000 0.00060
6.90 0.96243 0.00060	6.20 0.97566 0.00061	5.20 0.93205 0.00058
6.95 0.96628 0.00059	6.25 0.98153 0.00059	5.22 0.93476 0.00059
7.00 0.97054 0.00060	6.30 0.98559 0.00060	5.24 0.93758 0.00058
7.05 0.97478 0.00061	6.35 0.99105 0.00057	5.26 0.93986 0.00060
7.10 0.97780 0.00062	6.40 0.99564 0.00060	5.28 0.94095 0.00059
7.15 0.98216 0.00061	6.45 1.00088 0.00061	5.30 0.94402 0.00058
7.20 0.98760 0.00061	6.50 1.00577 0.00060	5.32 0.94605 0.00059
7.25 0.99042 0.00059	6.55 1.01184 0.00060	5.34 0.94994 0.00059
7.30 0.99419 0.00061	6.60 1.01602 0.00061	5.36 0.95254 0.00061
7.35 0.99847 0.00062		5.38 0.95469 0.00059
7.40 1.00280 0.00061		5.40 0.95566 0.00059
7.45 1.00640 0.00060		5.42 0.95937 0.00057
7.50 1.01090 0.00062		5.44 0.96220 0.00058
		5.46 0.96461 0.00059
		5.48 0.96634 0.00056
		5.50 0.96835 0.00062
		5.52 0.97057 0.00059
		5.54 0.97367 0.00060
		5.56 0.97651 0.00060
		5.58 0.97899 0.00062
		5.60 0.98002 0.00059
		5.62 0.98358 0.00058
		5.64 0.98612 0.00057
		5.66 0.98761 0.00061
		5.68 0.99058 0.00063
		5.70 0.99241 0.00059
		5.72 0.99508 0.00059
		5.74 0.99714 0.00062
		5.76 0.99956 0.00059
		5.78 1.00170 0.00058
		5.80 1.00435 0.00061
		5.82 1.00662 0.00061
		5.84 1.00916 0.00062
		5.86 1.01109 0.00057
		5.88 1.01315 0.00061
		5.90 1.01515 0.00059
		5.92 1.01765 0.00062
		5.94 1.02013 0.00061
		5.96 1.02182 0.00057
		5.98 1.02295 0.00064
		6.00 1.02533 0.00060

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6000	7000	7500
4.60 0.91078 0.00056	4.30 0.91902 0.00059	4.10 0.91148 0.00060
4.62 0.91369 0.00059	4.32 0.92277 0.00056	4.12 0.91354 0.00055
4.64 0.91588 0.00057	4.34 0.92533 0.00057	4.14 0.91823 0.00060
4.66 0.91912 0.00057	4.36 0.92928 0.00056	4.16 0.92121 0.00057
4.68 0.92257 0.00058	4.38 0.93133 0.00059	4.18 0.92458 0.00056
4.70 0.92527 0.00058	4.40 0.93513 0.00057	4.20 0.92882 0.00058
4.72 0.92828 0.00057	4.42 0.93821 0.00057	4.22 0.93178 0.00058
4.74 0.92978 0.00061	4.44 0.94077 0.00058	4.24 0.93585 0.00058
4.76 0.93383 0.00057	4.46 0.94497 0.00057	4.26 0.93724 0.00058
4.78 0.93709 0.00060	4.48 0.94713 0.00057	4.28 0.94156 0.00059
4.80 0.93934 0.00058	4.50 0.94937 0.00060	4.30 0.94516 0.00055
4.82 0.94125 0.00058	4.52 0.95396 0.00058	4.32 0.94833 0.00057
4.84 0.94512 0.00058	4.54 0.95635 0.00058	4.34 0.95085 0.00060
4.86 0.94850 0.00059	4.56 0.96076 0.00058	4.36 0.95521 0.00057
4.88 0.95117 0.00059	4.58 0.96344 0.00060	4.38 0.95909 0.00057
4.90 0.95349 0.00059	4.60 0.96539 0.00058	4.40 0.96082 0.00058
4.92 0.95644 0.00058	4.62 0.96985 0.00058	4.42 0.96463 0.00059
4.94 0.95949 0.00059	4.64 0.97179 0.00057	4.44 0.96770 0.00057
4.96 0.96197 0.00056	4.66 0.97525 0.00058	4.46 0.97100 0.00057
4.98 0.96434 0.00061	4.68 0.97693 0.00060	4.48 0.97395 0.00057
5.00 0.96731 0.00057	4.70 0.98118 0.00058	4.50 0.97667 0.00059
5.02 0.96942 0.00057	4.72 0.98357 0.00057	4.52 0.98023 0.00056
5.04 0.97321 0.00057	4.74 0.98696 0.00059	4.54 0.98369 0.00058
5.06 0.97418 0.00056	4.76 0.99135 0.00059	4.56 0.98692 0.00060
5.08 0.97887 0.00059	4.78 0.99319 0.00058	4.58 0.98919 0.00056
5.10 0.98074 0.00058	4.80 0.99547 0.00058	4.60 0.99291 0.00058
5.12 0.98242 0.00056	4.82 0.99773 0.00059	4.62 0.99595 0.00059
5.14 0.98615 0.00060	4.84 1.00189 0.00060	4.64 0.99839 0.00057
5.16 0.98921 0.00058	4.86 1.00546 0.00056	4.66 1.00270 0.00057
5.18 0.99142 0.00059	4.88 1.00853 0.00059	4.68 1.00456 0.00057
5.20 0.99393 0.00062	4.90 1.00976 0.00059	4.70 1.00801 0.00060
5.22 0.99696 0.00059	4.92 1.01373 0.00060	
5.24 0.99996 0.00058	4.94 1.01619 0.00058	
5.26 1.00171 0.00059	4.96 1.01914 0.00060	
5.28 1.00426 0.00061	4.98 1.02077 0.00060	
5.30 1.00716 0.00059	5.00 1.02555 0.00059	

8000	9000	10000
4.00 0.91947 0.00054	3.70 0.91100 0.00058	3.50 0.91585 0.00055
4.02 0.92289 0.00057	3.72 0.91514 0.00056	3.52 0.92032 0.00053
4.04 0.92619 0.00059	3.74 0.91892 0.00054	3.54 0.92319 0.00057
4.06 0.92857 0.00056	3.76 0.92276 0.00053	3.56 0.92818 0.00055
4.08 0.93290 0.00056	3.78 0.92603 0.00055	3.58 0.93153 0.00056
4.10 0.93601 0.00057	3.80 0.92932 0.00055	3.60 0.93553 0.00054
4.12 0.94049 0.00058	3.82 0.93345 0.00055	3.62 0.94025 0.00054
4.14 0.94294 0.00057	3.84 0.93741 0.00056	3.64 0.94317 0.00054
4.16 0.94606 0.00057	3.86 0.94151 0.00055	3.66 0.94720 0.00054
4.18 0.95056 0.00056	3.88 0.94458 0.00055	3.68 0.95226 0.00055
4.20 0.95419 0.00055	3.90 0.94844 0.00055	3.70 0.95562 0.00055
4.22 0.95578 0.00059	3.92 0.95161 0.00056	3.72 0.95942 0.00054
4.24 0.96001 0.00059	3.94 0.95550 0.00057	3.74 0.96349 0.00054
4.26 0.96247 0.00059	3.96 0.95845 0.00058	3.76 0.96704 0.00055
4.28 0.96698 0.00057	3.98 0.96258 0.00055	3.78 0.97058 0.00057
4.30 0.96990 0.00056	4.00 0.96673 0.00057	3.80 0.97490 0.00058
4.32 0.97231 0.00059	4.02 0.97054 0.00058	3.82 0.97921 0.00056
4.34 0.97751 0.00058	4.04 0.97260 0.00057	3.84 0.98307 0.00059
4.36 0.98005 0.00057	4.06 0.97609 0.00054	3.86 0.98637 0.00053

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4.38	0.98374	0.00058	4.08	0.98085	0.00057	3.88	0.99042	0.00057
4.40	0.98653	0.00059	4.10	0.98434	0.00057	3.90	0.99373	0.00054
4.42	0.98838	0.00060	4.12	0.98761	0.00058	3.92	0.99696	0.00058
4.44	0.99325	0.00059	4.14	0.99153	0.00055	3.94	1.00078	0.00055
4.46	0.99618	0.00056	4.16	0.99487	0.00059	3.96	1.00465	0.00054
4.48	1.00105	0.00059	4.18	0.99832	0.00057	3.98	1.00956	0.00055
4.50	1.00312	0.00058	4.20	1.00294	0.00057	4.00	1.01314	0.00057
4.52	1.00579	0.00061	4.22	1.00646	0.00055			
4.54	1.00971	0.00060	4.24	1.00934	0.00057			
4.56	1.01220	0.00056	4.26	1.01065	0.00057			
4.58	1.01491	0.00058	4.28	1.01610	0.00058			
4.60	1.01948	0.00060	4.30	1.02008	0.00058			

15000	19600				
2.65	0.91120	0.00051	2.15	0.91449	0.00048
2.67	0.91778	0.00049	2.17	0.92251	0.00049
2.69	0.92205	0.00051	2.19	0.92795	0.00048
2.71	0.92713	0.00051	2.21	0.93397	0.00049
2.73	0.93382	0.00050	2.23	0.94179	0.00051
2.75	0.93830	0.00051	2.25	0.94762	0.00049
2.77	0.94323	0.00051	2.27	0.95381	0.00051
2.79	0.94836	0.00054	2.29	0.96027	0.00050
2.81	0.95426	0.00050	2.31	0.96671	0.00049
2.83	0.95877	0.00050	2.33	0.97284	0.00048
2.85	0.96400	0.00051	2.35	0.97899	0.00051
2.87	0.96899	0.00051	2.37	0.98659	0.00050
2.89	0.97349	0.00052	2.39	0.99208	0.00052
2.91	0.97972	0.00050	2.41	0.99826	0.00050
2.93	0.98443	0.00051	2.43	1.00397	0.00052
2.95	0.98885	0.00050	2.45	1.01135	0.00052
2.97	0.99471	0.00055	2.47	1.01686	0.00051
2.99	0.99899	0.00052	2.49	1.02369	0.00050
3.01	1.00352	0.00054	2.50	1.02623	0.00053
3.03	1.00923	0.00054			
3.05	1.01321	0.00052			
3.07	1.01925	0.00052			
3.09	1.02376	0.00053			
3.10	1.02601	0.00055			

## sumtable.pu-icyl-0800-10

10	13	15						
999.98	0.99129	0.00019	10.00	0.71585	0.00039	15.00	0.90979	0.00042
999.99	0.99129	0.00019	15.00	0.86030	0.00038	15.25	0.91481	0.00039
			20.00	0.93912	0.00036	15.50	0.91954	0.00041
			20.50	0.94543	0.00035	15.75	0.92426	0.00040
			21.00	0.95008	0.00034	16.00	0.92905	0.00038
			21.50	0.95466	0.00035	16.25	0.93519	0.00039
			22.00	0.96136	0.00035	16.50	0.93882	0.00037
			22.50	0.96545	0.00033	16.75	0.94346	0.00039
			23.00	0.97014	0.00033	17.00	0.94785	0.00040
			23.50	0.97406	0.00034	17.25	0.95073	0.00038
			24.00	0.97754	0.00034	17.50	0.95600	0.00040
			24.50	0.98208	0.00034	17.75	0.95918	0.00039

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25.00	0.98528	0.00034	18.00	0.96319	0.00040
25.50	0.98980	0.00033	18.25	0.96695	0.00037
26.00	0.99314	0.00033	18.50	0.97113	0.00038
26.50	0.99618	0.00032	18.75	0.97459	0.00037
27.00	0.99923	0.00034	19.00	0.97861	0.00038
27.50	1.00324	0.00031	19.25	0.98138	0.00037
28.00	1.00459	0.00032	19.50	0.98452	0.00037
28.50	1.00805	0.00032	19.75	0.98751	0.00037
29.00	1.01094	0.00031	20.00	0.99091	0.00037
29.50	1.01197	0.00030	20.25	0.99354	0.00036
30.00	1.01570	0.00032	20.50	0.99682	0.00038
35.00	1.03568	0.00029	20.75	0.99987	0.00038
40.00	1.04955	0.00029	21.00	1.00318	0.00037
45.00	1.05999	0.00028	21.25	1.00491	0.00037
50.00	1.06766	0.00028	21.50	1.00832	0.00037
55.00	1.07366	0.00026	21.75	1.01021	0.00037
60.00	1.07841	0.00025	22.00	1.01272	0.00037
65.00	1.08222	0.00026			
70.00	1.08556	0.00026			
75.00	1.08701	0.00026			
80.00	1.08971	0.00024			
85.00	1.09167	0.00024			
90.00	1.09287	0.00024			
95.00	1.09411	0.00024			
100.00	1.09476	0.00024			
105.00	1.09598	0.00024			
110.00	1.09611	0.00023			

	18		20		22
13.00	0.91771	0.00044	12.00	0.91736	0.00046
13.25	0.92390	0.00044	12.25	0.92452	0.00044
13.50	0.93122	0.00043	12.50	0.93295	0.00045
13.75	0.93727	0.00042	12.75	0.94076	0.00046
14.00	0.94425	0.00043	13.00	0.94721	0.00045
14.25	0.95054	0.00044	13.25	0.95509	0.00046
14.50	0.95653	0.00045	13.50	0.96183	0.00044
14.75	0.96155	0.00043	13.75	0.96961	0.00045
15.00	0.96769	0.00042	14.00	0.97517	0.00044
15.25	0.97371	0.00043	14.25	0.98245	0.00044
15.50	0.97796	0.00043	14.50	0.98836	0.00045
15.75	0.98399	0.00043	14.75	0.99347	0.00043
16.00	0.98912	0.00043	15.00	1.00019	0.00045
16.25	0.99417	0.00042	15.25	1.00453	0.00043
16.50	0.99912	0.00043	15.50	1.01032	0.00045
16.75	1.00383	0.00042	15.75	1.01611	0.00044
17.00	1.00879	0.00042	16.00	1.02069	0.00044
17.25	1.01256	0.00044	16.25	1.02611	0.00044
17.50	1.01603	0.00041	16.50	1.03052	0.00045
17.75	1.02139	0.00040	16.75	1.03544	0.00042
18.00	1.02454	0.00041	17.00	1.04006	0.00043
18.25	1.02828	0.00040			
18.50	1.03278	0.00043			
18.75	1.03709	0.00041			
19.00	1.03945	0.00040			
19.25	1.04361	0.00040			
19.50	1.04666	0.00041			
19.75	1.04944	0.00041			
20.00	1.05234	0.00041			

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24	25	26
10.90 0.92474 0.00049	10.00 0.89451 0.00050	10.00 0.90395 0.00050
11.10 0.93221 0.00048	10.20 0.90347 0.00049	10.20 0.91451 0.00048
11.30 0.93868 0.00048	10.40 0.91262 0.00050	10.40 0.92197 0.00051
11.50 0.94714 0.00050	10.60 0.92145 0.00050	10.60 0.92961 0.00052
11.70 0.95346 0.00051	10.80 0.93016 0.00050	10.80 0.93854 0.00050
11.90 0.96126 0.00047	11.00 0.93792 0.00048	11.00 0.94690 0.00052
12.10 0.96719 0.00048	11.20 0.94588 0.00049	11.20 0.95477 0.00049
12.30 0.97462 0.00049	11.40 0.95228 0.00048	11.40 0.96328 0.00049
12.50 0.98173 0.00048	11.60 0.96113 0.00048	11.60 0.96971 0.00051
12.70 0.98721 0.00050	11.80 0.96687 0.00049	11.80 0.97756 0.00049
12.90 0.99382 0.00048	12.00 0.97561 0.00050	12.00 0.98455 0.00050
13.10 1.00024 0.00047	12.20 0.98095 0.00050	12.20 0.99076 0.00049
13.30 1.00651 0.00048	12.40 0.98837 0.00049	12.40 0.99725 0.00050
13.50 1.01111 0.00047	12.60 0.99401 0.00048	12.60 1.00382 0.00048
13.70 1.01661 0.00047	12.80 1.00154 0.00049	12.80 1.01098 0.00049
13.90 1.02235 0.00047	13.00 1.00706 0.00050	13.00 1.01759 0.00048
14.10 1.02733 0.00048	13.20 1.01315 0.00049	13.20 1.02217 0.00048
14.30 1.03397 0.00046	13.40 1.01879 0.00048	13.40 1.02842 0.00049
14.50 1.03739 0.00045	13.60 1.02493 0.00048	13.60 1.03397 0.00050
14.70 1.04312 0.00048	13.80 1.02967 0.00046	13.80 1.03961 0.00048
14.90 1.04741 0.00045	14.00 1.03751 0.00049	14.00 1.04560 0.00049
15.00 1.05054 0.00047	14.20 1.04064 0.00047	14.20 1.05027 0.00050
	14.40 1.04664 0.00049	14.40 1.05564 0.00051
	14.60 1.05128 0.00048	14.60 1.06075 0.00049
	14.80 1.05592 0.00048	14.80 1.06517 0.00049
	15.00 1.06090 0.00049	15.00 1.07096 0.00046

28	30	32
10.00 0.92074 0.00051	9.00 0.88535 0.00052	9.00 0.89882 0.00054
10.20 0.93021 0.00052	9.20 0.89647 0.00051	9.25 0.91053 0.00054
10.40 0.93823 0.00052	9.40 0.90703 0.00052	9.50 0.92431 0.00053
10.60 0.94675 0.00051	9.60 0.91640 0.00053	9.75 0.93512 0.00052
10.80 0.95589 0.00051	9.80 0.92631 0.00052	10.00 0.94832 0.00052
11.00 0.96316 0.00050	10.00 0.93570 0.00050	10.25 0.95926 0.00053
11.20 0.97248 0.00051	10.20 0.94400 0.00053	10.50 0.97073 0.00051
11.40 0.97958 0.00050	10.40 0.95297 0.00053	10.75 0.98129 0.00054
11.60 0.98720 0.00052	10.60 0.96195 0.00052	11.00 0.99158 0.00052
11.80 0.99409 0.00051	10.80 0.97016 0.00052	11.25 1.00034 0.00051
12.00 1.00110 0.00050	11.00 0.97952 0.00052	11.50 1.01026 0.00052
12.20 1.00833 0.00051	11.20 0.98618 0.00052	11.75 1.02051 0.00053
12.40 1.01484 0.00050	11.40 0.99444 0.00052	12.00 1.03018 0.00053
12.60 1.02152 0.00047	11.60 1.00190 0.00053	12.25 1.03821 0.00054
12.80 1.02749 0.00050	11.80 1.00921 0.00051	12.50 1.04607 0.00053
13.00 1.03418 0.00052	12.00 1.01635 0.00051	12.75 1.05582 0.00052
13.20 1.03973 0.00050	12.20 1.02322 0.00051	13.00 1.06279 0.00053
13.40 1.04634 0.00050	12.40 1.03004 0.00050	13.25 1.06921 0.00052
13.60 1.05191 0.00050	12.60 1.03698 0.00050	13.50 1.07677 0.00053
13.80 1.05725 0.00049	12.80 1.04340 0.00051	13.75 1.08489 0.00049
14.00 1.06274 0.00049	13.00 1.04864 0.00051	14.00 1.09161 0.00052
	13.20 1.05538 0.00052	
	13.40 1.06101 0.00049	

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36	40	45
9.00 0.91939 0.00054	8.80 0.92555 0.00056	8.00 0.89451 0.00058
9.20 0.92999 0.00054	8.90 0.93162 0.00056	8.20 0.90839 0.00055
9.40 0.94139 0.00055	9.00 0.93693 0.00053	8.40 0.91933 0.00057
9.60 0.95116 0.00055	9.10 0.94170 0.00055	8.60 0.93234 0.00055
9.80 0.96021 0.00056	9.20 0.94734 0.00058	8.80 0.94400 0.00057
10.00 0.96907 0.00054	9.30 0.95330 0.00055	9.00 0.95300 0.00058
10.20 0.97903 0.00054	9.40 0.95746 0.00055	9.20 0.96483 0.00056
10.40 0.98847 0.00054	9.50 0.96312 0.00054	9.40 0.97498 0.00055
10.60 0.99625 0.00052	9.60 0.96820 0.00055	9.60 0.98530 0.00058
10.80 1.00553 0.00054	9.70 0.97362 0.00055	9.80 0.99513 0.00056
11.00 1.01289 0.00054	9.80 0.97822 0.00056	10.00 1.00457 0.00057
11.20 1.02256 0.00056	9.90 0.98239 0.00056	10.20 1.01461 0.00058
11.40 1.02923 0.00054	10.00 0.98741 0.00056	10.40 1.02278 0.00057
11.60 1.03716 0.00053	10.10 0.99189 0.00054	10.60 1.03136 0.00056
11.80 1.04499 0.00054	10.20 0.99638 0.00055	10.80 1.03951 0.00057
12.00 1.05055 0.00055	10.30 1.00230 0.00055	11.00 1.04898 0.00057
12.20 1.05976 0.00053	10.40 1.00498 0.00055	11.20 1.05695 0.00056
12.40 1.06462 0.00055	10.50 1.01024 0.00056	11.40 1.06358 0.00056
12.60 1.07269 0.00055	10.60 1.01395 0.00057	11.60 1.07116 0.00056
12.80 1.07788 0.00053	10.70 1.01878 0.00056	11.80 1.08011 0.00058
13.00 1.08493 0.00056	10.80 1.02277 0.00054	12.00 1.08747 0.00056
	10.90 1.02653 0.00055	
	11.00 1.03197 0.00055	

50	75	100
8.00 0.90807 0.00059	7.60 0.92055 0.00058	7.40 0.92289 0.00062
8.10 0.91480 0.00057	7.70 0.92724 0.00059	7.45 0.92622 0.00061
8.20 0.92132 0.00056	7.80 0.93376 0.00061	7.50 0.92962 0.00062
8.30 0.92642 0.00058	7.90 0.93998 0.00061	7.55 0.93341 0.00061
8.40 0.93332 0.00059	8.00 0.94686 0.00059	7.60 0.93569 0.00061
8.50 0.93876 0.00059	8.10 0.95311 0.00060	7.65 0.93972 0.00061
8.60 0.94502 0.00058	8.20 0.95803 0.00062	7.70 0.94274 0.00062
8.70 0.95207 0.00059	8.30 0.96524 0.00061	7.75 0.94521 0.00060
8.80 0.95657 0.00059	8.40 0.97120 0.00060	7.80 0.94899 0.00062
8.90 0.96115 0.00055	8.50 0.97662 0.00060	7.85 0.95144 0.00062
9.00 0.96878 0.00055	8.60 0.98243 0.00059	7.90 0.95446 0.00065
9.10 0.97257 0.00057	8.70 0.98802 0.00059	7.95 0.95804 0.00060
9.20 0.97722 0.00059	8.80 0.99407 0.00060	8.00 0.96101 0.00062
9.30 0.98362 0.00057	8.90 0.99717 0.00060	8.05 0.96385 0.00062
9.40 0.98813 0.00059	9.00 1.00450 0.00060	8.10 0.96759 0.00062
9.50 0.99380 0.00058	9.10 1.01078 0.00061	8.15 0.96895 0.00063
9.60 0.99903 0.00056	9.20 1.01450 0.00060	8.20 0.97293 0.00062
9.70 1.00332 0.00059	9.30 1.01991 0.00060	8.25 0.97625 0.00061
9.80 1.00933 0.00055	9.40 1.02517 0.00059	8.30 0.97949 0.00061
9.90 1.01352 0.00057	9.50 1.03042 0.00061	8.35 0.98146 0.00061
10.00 1.01792 0.00056		8.40 0.98426 0.00059
		8.45 0.98909 0.00063
		8.50 0.98919 0.00062
		8.55 0.99274 0.00062
		8.60 0.99555 0.00063
		8.65 0.99882 0.00062
		8.70 1.00119 0.00062
		8.75 1.00392 0.00061
		8.80 1.00669 0.00058
		8.85 1.00976 0.00061

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150	200	350
7.00 0.90537 0.00064	7.00 0.90679 0.00062	7.30 0.92165 0.00064
7.10 0.91151 0.00064	7.10 0.91134 0.00062	7.35 0.92249 0.00063
7.20 0.91873 0.00063	7.20 0.91915 0.00062	7.40 0.92544 0.00061
7.30 0.92421 0.00062	7.30 0.92512 0.00061	7.45 0.92918 0.00062
7.40 0.93215 0.00063	7.40 0.93076 0.00061	7.50 0.93183 0.00065
7.50 0.93792 0.00060	7.50 0.93849 0.00064	7.55 0.93390 0.00062
7.60 0.94371 0.00063	7.60 0.94273 0.00064	7.60 0.93653 0.00061
7.70 0.95168 0.00064	7.70 0.94855 0.00063	7.65 0.94026 0.00062
7.80 0.95572 0.00063	7.80 0.95615 0.00065	7.70 0.94324 0.00063
7.90 0.96186 0.00064	7.90 0.96080 0.00064	7.75 0.94606 0.00062
8.00 0.96676 0.00062	8.00 0.96741 0.00064	7.80 0.94836 0.00062
8.10 0.97372 0.00064	8.10 0.97213 0.00063	7.85 0.95115 0.00063
8.20 0.98039 0.00062	8.20 0.97843 0.00064	7.90 0.95456 0.00063
8.30 0.98477 0.00063	8.30 0.98267 0.00063	7.95 0.95646 0.00061
8.40 0.99086 0.00064	8.40 0.98738 0.00064	8.00 0.95757 0.00059
8.50 0.99702 0.00064	8.50 0.99464 0.00066	8.05 0.96150 0.00063
8.60 1.00163 0.00062	8.60 1.00030 0.00064	8.10 0.96446 0.00062
8.70 1.00628 0.00062	8.70 1.00386 0.00064	8.15 0.96647 0.00063
8.80 1.01219 0.00062	8.80 1.01005 0.00063	8.20 0.96907 0.00063
8.90 1.01800 0.00064	8.90 1.01490 0.00061	8.25 0.97365 0.00066
9.00 1.02256 0.00063	9.00 1.01996 0.00065	8.30 0.97358 0.00063
		8.35 0.97658 0.00061
		8.40 0.97921 0.00063
		8.45 0.98128 0.00063
		8.50 0.98574 0.00065
		8.55 0.98725 0.00066
		8.60 0.98938 0.00064
		8.65 0.99205 0.00064
		8.70 0.99502 0.00064
		8.75 0.99648 0.00062
		8.80 1.00029 0.00063
		8.85 1.00136 0.00063
		8.90 1.00295 0.00064
		8.95 1.00675 0.00062
		9.00 1.00769 0.00065

500	750	1000
7.40 0.92522 0.00063	7.00 0.90748 0.00062	7.00 0.92304 0.00060
7.45 0.92803 0.00064	7.10 0.91438 0.00059	7.10 0.92768 0.00059
7.50 0.92914 0.00061	7.20 0.92017 0.00061	7.20 0.93311 0.00059
7.55 0.93225 0.00062	7.30 0.92633 0.00061	7.30 0.93781 0.00062
7.60 0.93506 0.00063	7.40 0.93066 0.00060	7.40 0.94432 0.00063
7.65 0.93801 0.00065	7.50 0.93686 0.00063	7.50 0.94896 0.00060
7.70 0.94051 0.00063	7.60 0.94176 0.00063	7.60 0.95542 0.00059
7.75 0.94320 0.00063	7.70 0.94694 0.00063	7.70 0.96182 0.00060
7.80 0.94581 0.00062	7.80 0.95270 0.00063	7.80 0.96521 0.00060
7.85 0.94926 0.00063	7.90 0.95795 0.00060	7.90 0.97113 0.00062
7.90 0.95108 0.00062	8.00 0.96225 0.00061	8.00 0.97510 0.00061
7.95 0.95447 0.00061	8.10 0.96650 0.00064	8.10 0.97862 0.00062
8.00 0.95655 0.00063	8.20 0.97163 0.00063	8.20 0.98506 0.00063
8.05 0.95884 0.00063	8.30 0.97622 0.00065	8.30 0.98954 0.00061
8.10 0.96132 0.00061	8.40 0.98178 0.00061	8.40 0.99448 0.00061
8.15 0.96480 0.00065	8.50 0.98690 0.00060	8.50 0.99934 0.00062
8.20 0.96559 0.00061	8.60 0.99054 0.00064	8.60 1.00502 0.00061
8.25 0.96832 0.00061	8.70 0.99456 0.00060	8.70 1.00761 0.00061

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8.30	0.97023	0.00062	8.80	0.99952	0.00063	8.80	1.01358	0.00062
8.35	0.97357	0.00060	8.90	1.00348	0.00060	8.90	1.01751	0.00061
8.40	0.97563	0.00063	9.00	1.00756	0.00064	9.00	1.02118	0.00060
8.45	0.97831	0.00060						
8.50	0.98045	0.00063						
8.55	0.98262	0.00064						
8.60	0.98534	0.00062						
8.65	0.98803	0.00062						
8.70	0.98997	0.00063						
8.75	0.99270	0.00066						
8.80	0.99495	0.00062						
8.85	0.99586	0.00062						
8.90	0.99877	0.00063						
8.95	1.00085	0.00062						
9.00	1.00313	0.00063						
9.05	1.00549	0.00063						
9.10	1.00626	0.00059						
9.15	1.01066	0.00065						
9.20	1.01160	0.00062						

1500	2000	2500						
6.50	0.92456	0.00059	5.90	0.91992	0.00058	5.50	0.92409	0.00058
6.60	0.93098	0.00061	5.95	0.92201	0.00060	5.55	0.92850	0.00057
6.70	0.93814	0.00058	6.00	0.92733	0.00059	5.60	0.93228	0.00057
6.80	0.94393	0.00062	6.05	0.93060	0.00058	5.65	0.93630	0.00058
6.90	0.94943	0.00061	6.10	0.93405	0.00062	5.70	0.94012	0.00059
7.00	0.95598	0.00058	6.15	0.93934	0.00058	5.75	0.94430	0.00057
7.10	0.96214	0.00059	6.20	0.94215	0.00060	5.80	0.94932	0.00058
7.20	0.96893	0.00058	6.25	0.94502	0.00060	5.85	0.95208	0.00058
7.30	0.97420	0.00061	6.30	0.94946	0.00059	5.90	0.95681	0.00058
7.40	0.98005	0.00059	6.35	0.95370	0.00059	5.95	0.96096	0.00057
7.50	0.98537	0.00061	6.40	0.95699	0.00059	6.00	0.96552	0.00059
7.60	0.99162	0.00061	6.45	0.96029	0.00060	6.05	0.96876	0.00059
7.70	0.99679	0.00059	6.50	0.96253	0.00058	6.10	0.97318	0.00061
7.80	1.00116	0.00060	6.55	0.96617	0.00058	6.15	0.97694	0.00059
7.90	1.00629	0.00060	6.60	0.97096	0.00061	6.20	0.98041	0.00058
8.00	1.01190	0.00060	6.65	0.97290	0.00059	6.25	0.98355	0.00061
8.10	1.01651	0.00061	6.70	0.97725	0.00060	6.30	0.98865	0.00059
8.20	1.02200	0.00061	6.75	0.98039	0.00061	6.35	0.99255	0.00061
8.30	1.02763	0.00056	6.80	0.98419	0.00060	6.40	0.99537	0.00057
8.40	1.03268	0.00061	6.85	0.98582	0.00059	6.45	0.99924	0.00057
8.50	1.03711	0.00060	6.90	0.99002	0.00061	6.50	1.00215	0.00060
			6.95	0.99320	0.00059	6.55	1.00604	0.00059
			7.00	0.99575	0.00059	6.60	1.01132	0.00060
			7.05	0.99983	0.00060			
			7.10	1.00219	0.00055			
			7.15	1.00635	0.00058			
			7.20	1.00726	0.00061			

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3000	4000	5000
5.00 0.91224 0.00058	4.50 0.92094 0.00056	4.00 0.91382 0.00056
5.05 0.91679 0.00060	4.55 0.92784 0.00057	4.02 0.91683 0.00057
5.10 0.92304 0.00056	4.60 0.93356 0.00057	4.04 0.91953 0.00057
5.15 0.92714 0.00058	4.65 0.93994 0.00058	4.06 0.92273 0.00058
5.20 0.93184 0.00059	4.70 0.94487 0.00057	4.08 0.92475 0.00057
5.25 0.93632 0.00057	4.75 0.95033 0.00059	4.10 0.92789 0.00060
5.30 0.94125 0.00060	4.80 0.95603 0.00058	4.12 0.92986 0.00059
5.35 0.94588 0.00059	4.85 0.96111 0.00060	4.14 0.93331 0.00061
5.40 0.95061 0.00060	4.90 0.96671 0.00059	4.16 0.93493 0.00057
5.45 0.95468 0.00059	4.95 0.97259 0.00056	4.18 0.93803 0.00058
5.50 0.96048 0.00059	5.00 0.97755 0.00056	4.20 0.94069 0.00059
5.55 0.96480 0.00060	5.05 0.98292 0.00062	4.22 0.94304 0.00058
5.60 0.96784 0.00059	5.10 0.98841 0.00057	4.24 0.94599 0.00057
5.65 0.97248 0.00061	5.15 0.99298 0.00059	4.26 0.94890 0.00055
5.70 0.97651 0.00061	5.20 0.99764 0.00056	4.28 0.95108 0.00058
5.75 0.98090 0.00058	5.25 1.00390 0.00060	4.30 0.95384 0.00058
5.80 0.98574 0.00058	5.30 1.00839 0.00059	4.32 0.95681 0.00058
5.85 0.99007 0.00061		4.34 0.95904 0.00056
5.90 0.99426 0.00058		4.36 0.96097 0.00060
5.95 0.99879 0.00058		4.38 0.96423 0.00059
6.00 1.00198 0.00060		4.40 0.96665 0.00058
6.05 1.00689 0.00059		4.42 0.96896 0.00059
6.10 1.01034 0.00057		4.44 0.97190 0.00059
		4.46 0.97396 0.00058
		4.48 0.97701 0.00058
		4.50 0.97980 0.00058
		4.52 0.98236 0.00058
		4.54 0.98458 0.00060
		4.56 0.98657 0.00060
		4.58 0.98940 0.00059
		4.60 0.99239 0.00060
		4.62 0.99405 0.00056
		4.64 0.99637 0.00061
		4.66 0.99964 0.00060
		4.68 1.00013 0.00056
		4.70 1.00226 0.00060

6000	7000	7500
3.70 0.92029 0.00056	3.40 0.91654 0.00056	3.30 0.92116 0.00057
3.72 0.92387 0.00057	3.42 0.92027 0.00059	3.32 0.92383 0.00056
3.74 0.92736 0.00057	3.44 0.92393 0.00055	3.34 0.92713 0.00054
3.76 0.92907 0.00059	3.46 0.92726 0.00058	3.36 0.93141 0.00058
3.78 0.93288 0.00056	3.48 0.93027 0.00055	3.38 0.93583 0.00057
3.80 0.93572 0.00057	3.50 0.93400 0.00057	3.40 0.93897 0.00058
3.82 0.93770 0.00057	3.52 0.93619 0.00056	3.42 0.94181 0.00059
3.84 0.94189 0.00056	3.54 0.94109 0.00059	3.44 0.94453 0.00059
3.86 0.94401 0.00057	3.56 0.94408 0.00057	3.46 0.94855 0.00057
3.88 0.94769 0.00058	3.58 0.94694 0.00057	3.48 0.95263 0.00058
3.90 0.94957 0.00059	3.60 0.94923 0.00060	3.50 0.95560 0.00057
3.92 0.95424 0.00058	3.62 0.95342 0.00057	3.52 0.95987 0.00058
3.94 0.95543 0.00059	3.64 0.95724 0.00056	3.54 0.96286 0.00056
3.96 0.95880 0.00059	3.66 0.96084 0.00057	3.56 0.96658 0.00059
3.98 0.96203 0.00058	3.68 0.96309 0.00058	3.58 0.96855 0.00058
4.00 0.96457 0.00057	3.70 0.96687 0.00060	3.60 0.97298 0.00058
4.02 0.96733 0.00060	3.72 0.96993 0.00060	3.62 0.97584 0.00059
4.04 0.96956 0.00058	3.74 0.97361 0.00058	3.64 0.97875 0.00057
4.06 0.97296 0.00058	3.76 0.97594 0.00057	3.66 0.98293 0.00057

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4.08	0.97614	0.00058	3.78	0.97877	0.00058	3.68	0.98571	0.00062
4.10	0.97882	0.00059	3.80	0.98218	0.00058	3.70	0.98916	0.00061
4.12	0.98203	0.00058	3.82	0.98583	0.00059	3.72	0.99240	0.00061
4.14	0.98456	0.00059	3.84	0.98928	0.00057	3.74	0.99602	0.00059
4.16	0.98775	0.00059	3.86	0.99189	0.00058	3.76	0.99812	0.00058
4.18	0.99099	0.00057	3.88	0.99591	0.00058	3.78	1.00328	0.00057
4.20	0.99273	0.00060	3.90	0.99737	0.00058	3.80	1.00564	0.00060
4.22	0.99620	0.00059	3.92	1.00199	0.00058	3.82	1.00892	0.00058
4.24	0.99954	0.00060	3.94	1.00415	0.00059	3.84	1.01233	0.00057
4.26	1.00160	0.00058	3.96	1.00656	0.00058	3.86	1.01478	0.00057
4.28	1.00368	0.00058	3.98	1.01046	0.00058	3.88	1.01691	0.00060
4.30	1.00772	0.00061	4.00	1.01461	0.00060	3.90	1.02168	0.00059
						3.92	1.02520	0.00058
						3.94	1.02736	0.00058
						3.96	1.03204	0.00059
						3.98	1.03362	0.00057
						4.00	1.03695	0.00059

8000	9000	10000						
3.10	0.90499	0.00056	2.90	0.90254	0.00055	2.80	0.91924	0.00059
3.12	0.90871	0.00056	2.92	0.90650	0.00057	2.82	0.92282	0.00057
3.14	0.91216	0.00058	2.94	0.91159	0.00056	2.84	0.92779	0.00058
3.16	0.91580	0.00055	2.96	0.91511	0.00055	2.86	0.93147	0.00054
3.18	0.91952	0.00058	2.98	0.91903	0.00054	2.88	0.93608	0.00059
3.20	0.92336	0.00056	3.00	0.92305	0.00058	2.90	0.94016	0.00057
3.22	0.92692	0.00055	3.02	0.92752	0.00055	2.92	0.94407	0.00057
3.24	0.93064	0.00055	3.04	0.93149	0.00056	2.94	0.94841	0.00054
3.26	0.93330	0.00054	3.06	0.93577	0.00058	2.96	0.95271	0.00057
3.28	0.93805	0.00056	3.08	0.93832	0.00057	2.98	0.95737	0.00057
3.30	0.94144	0.00059	3.10	0.94471	0.00055	3.00	0.96101	0.00057
3.32	0.94437	0.00057	3.12	0.94732	0.00058	3.02	0.96509	0.00055
3.34	0.94900	0.00058	3.14	0.95064	0.00055	3.04	0.96954	0.00056
3.36	0.95260	0.00059	3.16	0.95472	0.00057	3.06	0.97328	0.00057
3.38	0.95571	0.00060	3.18	0.95909	0.00057	3.08	0.97720	0.00057
3.40	0.95950	0.00059	3.20	0.96270	0.00058	3.10	0.98190	0.00055
3.42	0.96173	0.00059	3.22	0.96740	0.00056	3.12	0.98429	0.00056
3.44	0.96657	0.00058	3.24	0.96978	0.00055	3.14	0.98950	0.00058
3.46	0.97071	0.00061	3.26	0.97290	0.00059	3.16	0.99383	0.00059
3.48	0.97348	0.00057	3.28	0.97773	0.00056	3.18	0.99836	0.00058
3.50	0.97621	0.00055	3.30	0.98218	0.00059	3.20	1.00057	0.00059
3.52	0.98143	0.00055	3.32	0.98543	0.00058	3.22	1.00597	0.00057
3.54	0.98428	0.00058	3.34	0.98927	0.00057	3.24	1.00968	0.00059
3.56	0.98754	0.00058	3.36	0.99176	0.00058	3.26	1.01310	0.00058
3.58	0.99060	0.00058	3.38	0.99632	0.00057	3.28	1.01790	0.00058
3.60	0.99403	0.00060	3.40	1.00010	0.00059	3.30	1.02134	0.00058
3.62	0.99727	0.00060	3.42	1.00470	0.00058			
3.64	1.00023	0.00056	3.44	1.00764	0.00059			
3.66	1.00484	0.00060	3.46	1.01141	0.00058			
3.68	1.00803	0.00058	3.48	1.01544	0.00058			
3.70	1.01172	0.00055	3.50	1.01925	0.00059			

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15000	19600
2.15 0.91607 0.00055	1.75 0.91092 0.00053
2.17 0.92166 0.00054	1.77 0.91577 0.00052
2.19 0.92703 0.00054	1.79 0.92354 0.00053
2.21 0.93296 0.00055	1.81 0.93109 0.00055
2.23 0.93960 0.00055	1.83 0.93806 0.00054
2.25 0.94491 0.00055	1.85 0.94603 0.00053
2.27 0.95053 0.00056	1.87 0.95207 0.00054
2.29 0.95538 0.00055	1.89 0.95988 0.00053
2.31 0.96073 0.00057	1.91 0.96668 0.00054
2.33 0.96693 0.00056	1.93 0.97327 0.00056
2.35 0.97160 0.00055	1.95 0.98042 0.00055
2.37 0.97799 0.00057	1.97 0.98736 0.00053
2.39 0.98366 0.00056	1.99 0.99378 0.00057
2.41 0.98992 0.00056	2.01 1.00119 0.00055
2.43 0.99562 0.00058	2.03 1.00838 0.00057
2.45 0.99951 0.00055	2.05 1.01511 0.00054
2.47 1.00574 0.00057	
2.49 1.01084 0.00053	
2.50 1.01335 0.00057	

## sumtable.pu-icyl-0850-00

10	13	15
20.00 0.84255 0.00036	19.00 0.92363 0.00041	16.00 0.90622 0.00046
22.50 0.87552 0.00034	19.25 0.92870 0.00040	16.25 0.91370 0.00044
25.00 0.90009 0.00033	19.50 0.93364 0.00041	16.50 0.92012 0.00046
27.50 0.91947 0.00033	19.75 0.93770 0.00038	16.75 0.92699 0.00044
30.00 0.93579 0.00030	20.00 0.94184 0.00040	17.00 0.93274 0.00044
30.50 0.93853 0.00029	20.25 0.94534 0.00039	17.25 0.93865 0.00045
31.00 0.94162 0.00029	20.50 0.95001 0.00039	17.50 0.94452 0.00044
31.50 0.94351 0.00030	20.75 0.95360 0.00039	17.75 0.94988 0.00043
32.00 0.94593 0.00030	21.00 0.95684 0.00039	18.00 0.95496 0.00044
32.50 0.94773 0.00029	21.25 0.96069 0.00041	18.25 0.96070 0.00042
33.00 0.95120 0.00029	21.50 0.96397 0.00039	18.50 0.96446 0.00043
33.50 0.95289 0.00028	21.75 0.96833 0.00038	18.75 0.96964 0.00043
34.00 0.95484 0.00030	22.00 0.97113 0.00040	19.00 0.97509 0.00044
34.50 0.95739 0.00029	22.25 0.97389 0.00039	19.25 0.97979 0.00042
35.00 0.95934 0.00028	22.50 0.97754 0.00038	19.50 0.98434 0.00042
35.50 0.96044 0.00028	22.75 0.98052 0.00038	19.75 0.98857 0.00042
36.00 0.96312 0.00028	23.00 0.98324 0.00037	20.00 0.99327 0.00040
36.50 0.96485 0.00028	23.25 0.98616 0.00038	20.25 0.99728 0.00042
37.00 0.96563 0.00027	23.50 0.98882 0.00037	20.50 1.00107 0.00042
37.50 0.96869 0.00028	23.75 0.99185 0.00039	20.75 1.00635 0.00043
38.00 0.96934 0.00028	24.00 0.99416 0.00037	21.00 1.00926 0.00040
38.50 0.97079 0.00029	24.25 0.99752 0.00038	21.25 1.01335 0.00043
39.00 0.97190 0.00028	24.50 0.99997 0.00037	21.50 1.01624 0.00042
39.50 0.97401 0.00026	24.75 1.00327 0.00038	21.75 1.01978 0.00043
40.00 0.97556 0.00028	25.00 1.00499 0.00039	22.00 1.02314 0.00042
40.50 0.97609 0.00028	25.25 1.00694 0.00035	22.25 1.02726 0.00038
41.00 0.97778 0.00028	25.50 1.01033 0.00037	22.50 1.03072 0.00040
41.50 0.97882 0.00026	25.75 1.01185 0.00036	22.75 1.03342 0.00040
42.00 0.98045 0.00027	26.00 1.01365 0.00036	23.00 1.03633 0.00040
42.50 0.98096 0.00027		
43.00 0.98256 0.00026		
43.50 0.98397 0.00026		
44.00 0.98534 0.00026		
44.50 0.98585 0.00026		
45.00 0.98716 0.00027		

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45.50	0.98762	0.00026
46.00	0.98925	0.00025
46.50	0.99031	0.00026
47.00	0.99037	0.00025
47.50	0.99133	0.00024
48.00	0.99222	0.00026
48.50	0.99209	0.00026
49.00	0.99437	0.00025
49.50	0.99398	0.00024
50.00	0.99585	0.00025
50.50	0.99566	0.00024
51.00	0.99661	0.00024
51.50	0.99733	0.00024
52.00	0.99773	0.00025
52.50	0.99889	0.00025
53.00	0.99932	0.00024
53.50	1.00020	0.00024
54.00	1.00093	0.00024
54.50	1.00094	0.00023
55.00	1.00270	0.00024
57.50	1.00435	0.00024
60.00	1.00718	0.00023
62.50	1.00897	0.00022
65.00	1.01104	0.00023
67.50	1.01209	0.00023
70.00	1.01389	0.00023
72.50	1.01565	0.00022
75.00	1.01739	0.00021
77.50	1.01794	0.00022
80.00	1.01892	0.00022
82.50	1.02038	0.00022
85.00	1.02090	0.00021
87.50	1.02079	0.00021
90.00	1.02239	0.00021
92.50	1.02354	0.00021
95.00	1.02384	0.00020
97.50	1.02447	0.00021
100.00	1.02483	0.00020
102.50	1.02489	0.00021
105.00	1.02563	0.00021
107.50	1.02639	0.00021
110.00	1.02592	0.00020

	18		20		22
14.00	0.90046	0.00049	13.00	0.88979	0.00051
14.25	0.90911	0.00049	13.25	0.89994	0.00052
14.50	0.91795	0.00049	13.50	0.90991	0.00053
14.75	0.92587	0.00049	13.75	0.92001	0.00052
15.00	0.93340	0.00047	14.00	0.92889	0.00052
15.25	0.94233	0.00049	14.25	0.93886	0.00053
15.50	0.95039	0.00047	14.50	0.94720	0.00051
15.75	0.95689	0.00046	14.75	0.95656	0.00052
16.00	0.96420	0.00048	15.00	0.96423	0.00050
16.25	0.97114	0.00047	15.25	0.97185	0.00052
16.50	0.97833	0.00047	15.50	0.98088	0.00050
16.75	0.98459	0.00048	15.75	0.98835	0.00051
17.00	0.99134	0.00046	16.00	0.99436	0.00051
17.25	0.99747	0.00046	16.25	1.00146	0.00049

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17.50	1.00243	0.00045	16.50	1.00943	0.00048	16.50	1.03615	0.00051
17.75	1.01008	0.00047	16.75	1.01640	0.00049	16.75	1.04169	0.00051
18.00	1.01461	0.00048	17.00	1.02245	0.00050	17.00	1.04829	0.00046
18.25	1.02006	0.00047	17.25	1.02846	0.00048	17.25	1.05452	0.00052
18.50	1.02514	0.00046	17.50	1.03455	0.00048	17.50	1.06237	0.00050
18.75	1.03049	0.00045	17.75	1.04135	0.00047	17.75	1.06790	0.00051
19.00	1.03549	0.00045	18.00	1.04613	0.00049	18.00	1.07398	0.00051
19.25	1.04012	0.00045	18.25	1.05242	0.00047			
19.50	1.04515	0.00046	18.50	1.05687	0.00048			
19.75	1.04890	0.00044	18.75	1.06272	0.00049			
20.00	1.05455	0.00044	19.00	1.06748	0.00047			
			19.25	1.07205	0.00047			
			19.50	1.07849	0.00047			
			19.75	1.08298	0.00049			
			20.00	1.08605	0.00046			

24	25	26						
12.00	0.88877	0.00057	12.00	0.89673	0.00056	12.00	0.90456	0.00057
12.20	0.89754	0.00056	12.25	0.90869	0.00057	12.20	0.91541	0.00056
12.40	0.90704	0.00054	12.50	0.92105	0.00057	12.40	0.92567	0.00056
12.60	0.91735	0.00055	12.75	0.93294	0.00055	12.60	0.93415	0.00056
12.80	0.92507	0.00057	13.00	0.94287	0.00056	12.80	0.94387	0.00055
13.00	0.93524	0.00054	13.25	0.95549	0.00054	13.00	0.95244	0.00053
13.20	0.94220	0.00056	13.50	0.96546	0.00056	13.20	0.96203	0.00056
13.40	0.95136	0.00055	13.75	0.97594	0.00054	13.40	0.97012	0.00056
13.60	0.96005	0.00055	14.00	0.98464	0.00053	13.60	0.97854	0.00057
13.80	0.96847	0.00055	14.25	0.99501	0.00057	13.80	0.98724	0.00058
14.00	0.97550	0.00054	14.50	1.00496	0.00054	14.00	0.99440	0.00056
14.20	0.98390	0.00053	14.75	1.01417	0.00054	14.20	1.00218	0.00056
14.40	0.99082	0.00053	15.00	1.02290	0.00055	14.40	1.00983	0.00056
14.60	0.99940	0.00052	15.25	1.02922	0.00054	14.60	1.01737	0.00055
14.80	1.00534	0.00054	15.50	1.03922	0.00054	14.80	1.02541	0.00055
15.00	1.01245	0.00053	15.75	1.04631	0.00053	15.00	1.03226	0.00055
15.20	1.01843	0.00053	16.00	1.05447	0.00054	15.20	1.03914	0.00054
15.40	1.02656	0.00055	16.25	1.06290	0.00053	15.40	1.04511	0.00055
15.60	1.03169	0.00052	16.50	1.06953	0.00052	15.60	1.05182	0.00055
15.80	1.03802	0.00052	16.75	1.07444	0.00053	15.80	1.05786	0.00056
16.00	1.04450	0.00053	17.00	1.08178	0.00053	16.00	1.06373	0.00054
16.20	1.05059	0.00050						
16.40	1.05634	0.00051						
16.60	1.06115	0.00053						
16.80	1.06764	0.00055						
17.00	1.07302	0.00051						

28	30	32						
12.00	0.92113	0.00060	11.00	0.87850	0.00059	11.00	0.88919	0.00059
12.20	0.93020	0.00057	11.20	0.88939	0.00059	11.20	0.90164	0.00058
12.40	0.94207	0.00059	11.40	0.90097	0.00059	11.40	0.91362	0.00060
12.60	0.94982	0.00057	11.60	0.91198	0.00057	11.60	0.92480	0.00060
12.80	0.95934	0.00057	11.80	0.92374	0.00059	11.80	0.93564	0.00060
13.00	0.96834	0.00059	12.00	0.93352	0.00060	12.00	0.94676	0.00059
13.20	0.97841	0.00057	12.20	0.94393	0.00060	12.20	0.95602	0.00059
13.40	0.98609	0.00056	12.40	0.95460	0.00057	12.40	0.96664	0.00057

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13.60	0.99483	0.00056	12.60	0.96399	0.00058	12.60	0.97592	0.00059
13.80	1.00422	0.00058	12.80	0.97338	0.00056	12.80	0.98672	0.00059
14.00	1.01104	0.00056	13.00	0.98243	0.00056	13.00	0.99611	0.00059
14.20	1.01902	0.00056	13.20	0.99181	0.00059	13.20	1.00475	0.00061
14.40	1.02701	0.00058	13.40	1.00145	0.00058	13.40	1.01263	0.00059
14.60	1.03514	0.00058	13.60	1.01006	0.00056	13.60	1.02319	0.00057
14.80	1.04097	0.00057	13.80	1.01772	0.00057	13.80	1.02941	0.00058
15.00	1.04762	0.00056	14.00	1.02614	0.00058	14.00	1.03826	0.00059
15.20	1.05530	0.00055	14.20	1.03421	0.00059	14.20	1.04656	0.00060
15.40	1.06138	0.00056	14.40	1.04168	0.00057	14.40	1.05352	0.00059
15.60	1.06778	0.00056	14.60	1.04867	0.00057	14.60	1.06134	0.00058
15.80	1.07612	0.00055	14.80	1.05504	0.00058	14.80	1.06892	0.00057
16.00	1.08047	0.00056	15.00	1.06332	0.00056	15.00	1.07546	0.00057
			15.20	1.06998	0.00059			
			15.40	1.07529	0.00056			
			15.60	1.08324	0.00058			
			15.80	1.08900	0.00059			
			16.00	1.09517	0.00054			

36	40	45						
11.00	0.90831	0.00060	11.00	0.92470	0.00062	10.80	0.92804	0.00063
11.10	0.91490	0.00060	11.10	0.93100	0.00064	11.00	0.94014	0.00065
11.20	0.92178	0.00063	11.20	0.93701	0.00061	11.20	0.95157	0.00063
11.30	0.92717	0.00060	11.30	0.94209	0.00064	11.40	0.96400	0.00065
11.40	0.93287	0.00062	11.40	0.94961	0.00063	11.60	0.97489	0.00065
11.50	0.93922	0.00061	11.50	0.95472	0.00063	11.80	0.98639	0.00064
11.60	0.94454	0.00064	11.60	0.96034	0.00063	12.00	0.99809	0.00062
11.70	0.95020	0.00061	11.70	0.96523	0.00062	12.20	1.00790	0.00063
11.80	0.95552	0.00059	11.80	0.97195	0.00061	12.40	1.01836	0.00064
11.90	0.96133	0.00062	11.90	0.97655	0.00067	12.60	1.02891	0.00063
12.00	0.96659	0.00061	12.00	0.98221	0.00064	12.80	1.03917	0.00062
12.10	0.97201	0.00063	12.10	0.98710	0.00061	13.00	1.04820	0.00063
12.20	0.97775	0.00060	12.20	0.99405	0.00063	13.20	1.05638	0.00062
12.30	0.98275	0.00060	12.30	0.99904	0.00061	13.40	1.06582	0.00063
12.40	0.98615	0.00063	12.40	1.00256	0.00063	13.60	1.07615	0.00061
12.50	0.99288	0.00059	12.50	1.00838	0.00059	13.80	1.08361	0.00062
12.60	0.99739	0.00060	12.60	1.01332	0.00063	14.00	1.09213	0.00062
12.70	1.00198	0.00061	12.70	1.01693	0.00061			
12.80	1.00641	0.00064	12.80	1.02337	0.00062			
12.90	1.01024	0.00060	12.90	1.02853	0.00060			
13.00	1.01605	0.00062	13.00	1.03364	0.00060			

50	75	100						
10.50	0.92007	0.00064	10.00	0.91494	0.00065	10.00	0.92477	0.00068
10.55	0.92296	0.00065	10.05	0.91873	0.00068	10.05	0.92713	0.00068
10.60	0.92593	0.00066	10.10	0.92379	0.00067	10.10	0.93206	0.00070
10.65	0.92948	0.00063	10.15	0.92498	0.00068	10.15	0.93444	0.00067
10.70	0.93120	0.00068	10.20	0.92979	0.00069	10.20	0.93778	0.00066
10.75	0.93523	0.00066	10.25	0.93184	0.00069	10.25	0.94251	0.00071
10.80	0.93840	0.00065	10.30	0.93626	0.00070	10.30	0.94581	0.00070
10.85	0.94186	0.00064	10.35	0.94006	0.00068	10.35	0.94951	0.00069
10.90	0.94503	0.00065	10.40	0.94316	0.00070	10.40	0.95191	0.00071
10.95	0.94916	0.00063	10.45	0.94638	0.00066	10.45	0.95462	0.00069

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11.00	0.95087	0.00063	10.50	0.95001	0.00068	10.50	0.95819	0.00068
11.05	0.95575	0.00064	10.55	0.95307	0.00069	10.55	0.96221	0.00068
11.10	0.95844	0.00067	10.60	0.95615	0.00063	10.60	0.96556	0.00070
11.15	0.96134	0.00065	10.65	0.96013	0.00065	10.65	0.96801	0.00071
11.20	0.96364	0.00066	10.70	0.96326	0.00068	10.70	0.97370	0.00069
11.25	0.96846	0.00065	10.75	0.96655	0.00068	10.75	0.97570	0.00071
11.30	0.97042	0.00065	10.80	0.96909	0.00066	10.80	0.97858	0.00069
11.35	0.97323	0.00065	10.85	0.97322	0.00065	10.85	0.98227	0.00069
11.40	0.97575	0.00066	10.90	0.97613	0.00070	10.90	0.98555	0.00069
11.45	0.98001	0.00065	10.95	0.97895	0.00069	10.95	0.98736	0.00069
11.50	0.98126	0.00064	11.00	0.98189	0.00070	11.00	0.99259	0.00070
11.55	0.98373	0.00063	11.05	0.98561	0.00068	11.05	0.99392	0.00069
11.60	0.98800	0.00065	11.10	0.98726	0.00067	11.10	0.99669	0.00068
11.65	0.99036	0.00064	11.15	0.99233	0.00065	11.15	1.00024	0.00068
11.70	0.99295	0.00067	11.20	0.99422	0.00067	11.20	1.00258	0.00070
11.75	0.99631	0.00065	11.25	0.99830	0.00067	11.25	1.00580	0.00070
11.80	0.99957	0.00063	11.30	0.99975	0.00067	11.30	1.00909	0.00070
11.85	1.00130	0.00065	11.35	1.00401	0.00066			
11.90	1.00420	0.00065	11.40	1.00646	0.00068			
11.95	1.00744	0.00063	11.45	1.00895	0.00065			
12.00	1.00937	0.00062	11.50	1.01286	0.00069			

150	200	350						
10.00	0.92624	0.00070	10.00	0.92276	0.00069	10.00	0.91245	0.00071
10.05	0.93011	0.00072	10.05	0.92543	0.00070	10.10	0.91873	0.00069
10.10	0.93224	0.00069	10.10	0.92883	0.00070	10.20	0.92544	0.00069
10.15	0.93686	0.00072	10.15	0.93218	0.00071	10.30	0.93189	0.00070
10.20	0.94058	0.00071	10.20	0.93500	0.00071	10.40	0.93692	0.00069
10.25	0.94434	0.00072	10.25	0.93889	0.00068	10.50	0.94223	0.00067
10.30	0.94728	0.00071	10.30	0.94145	0.00069	10.60	0.94877	0.00070
10.35	0.94952	0.00069	10.35	0.94468	0.00071	10.70	0.95557	0.00068
10.40	0.95353	0.00070	10.40	0.94802	0.00070	10.80	0.95956	0.00072
10.45	0.95544	0.00071	10.45	0.95065	0.00070	10.90	0.96751	0.00068
10.50	0.96052	0.00071	10.50	0.95392	0.00070	11.00	0.97217	0.00071
10.55	0.96159	0.00068	10.55	0.95797	0.00071	11.10	0.97786	0.00070
10.60	0.96808	0.00071	10.60	0.96119	0.00069	11.20	0.98336	0.00069
10.65	0.96813	0.00069	10.65	0.96472	0.00071	11.30	0.98842	0.00068
10.70	0.97236	0.00069	10.70	0.96810	0.00069	11.40	0.99404	0.00069
10.75	0.97484	0.00070	10.75	0.96981	0.00073	11.50	0.99928	0.00070
10.80	0.97851	0.00068	10.80	0.97341	0.00070	11.60	1.00460	0.00071
10.85	0.98132	0.00070	10.85	0.97787	0.00071	11.70	1.01099	0.00067
10.90	0.98495	0.00067	10.90	0.97997	0.00068	11.80	1.01561	0.00066
10.95	0.98874	0.00069	10.95	0.98181	0.00068	11.90	1.02059	0.00070
11.00	0.99087	0.00070	11.00	0.98622	0.00070	12.00	1.02372	0.00074
11.05	0.99360	0.00068	11.05	0.98824	0.00069			
11.10	0.99581	0.00068	11.10	0.99161	0.00071			
11.15	1.00051	0.00071	11.15	0.99317	0.00070			
11.20	1.00384	0.00069	11.20	0.99682	0.00071			
11.25	1.00657	0.00072	11.25	1.00034	0.00071			
11.30	1.00882	0.00069	11.30	1.00258	0.00073			
11.35	1.01110	0.00069	11.35	1.00554	0.00071			
11.40	1.01446	0.00068	11.40	1.00832	0.00072			
11.45	1.01719	0.00071						
11.50	1.01953	0.00068						
11.60	1.02580	0.00070						
11.70	1.03064	0.00072						
11.80	1.03734	0.00072						
11.90	1.04257	0.00068						

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500	750	1000
10.00 0.91078 0.00066	10.00 0.91945 0.00063	9.80 0.92547 0.00066
10.10 0.91587 0.00070	10.10 0.92615 0.00068	9.90 0.93027 0.00064
10.20 0.92216 0.00066	10.20 0.93267 0.00067	10.00 0.93684 0.00067
10.30 0.92891 0.00069	10.30 0.93821 0.00067	10.10 0.94236 0.00066
10.40 0.93521 0.00068	10.40 0.94456 0.00067	10.20 0.94998 0.00066
10.50 0.93963 0.00068	10.50 0.94974 0.00065	10.30 0.95533 0.00066
10.60 0.94621 0.00068	10.60 0.95505 0.00067	10.40 0.96092 0.00064
10.70 0.95193 0.00067	10.70 0.96064 0.00067	10.50 0.96633 0.00064
10.80 0.95981 0.00068	10.80 0.96662 0.00069	10.60 0.97300 0.00066
10.90 0.96201 0.00066	10.90 0.97088 0.00067	10.70 0.97795 0.00065
11.00 0.96838 0.00066	11.00 0.97736 0.00069	10.80 0.98302 0.00067
11.10 0.97404 0.00065	11.10 0.98219 0.00066	10.90 0.98936 0.00065
11.20 0.98024 0.00068	11.20 0.98690 0.00066	11.00 0.99457 0.00064
11.30 0.98617 0.00068	11.30 0.99315 0.00068	11.10 1.00039 0.00069
11.40 0.98896 0.00067	11.40 0.99837 0.00067	11.20 1.00414 0.00064
11.50 0.99605 0.00070	11.50 1.00272 0.00066	11.30 1.01118 0.00065
11.60 1.00086 0.00068	11.60 1.00876 0.00070	11.40 1.01579 0.00067
11.70 1.00653 0.00070	11.70 1.01360 0.00067	11.50 1.02061 0.00066
11.80 1.00993 0.00064	11.80 1.01762 0.00067	11.60 1.02498 0.00069
11.90 1.01491 0.00067	11.90 1.02297 0.00068	11.70 1.02961 0.00064
12.00 1.01995 0.00067	12.00 1.02767 0.00068	11.80 1.03473 0.00067
	12.10 1.03113 0.00068	11.90 1.03990 0.00065
	12.20 1.03594 0.00067	12.00 1.04270 0.00064
	12.30 1.04024 0.00065	12.10 1.04841 0.00066
	12.40 1.04449 0.00067	12.20 1.05315 0.00066
	12.50 1.04980 0.00066	12.30 1.05704 0.00064
	12.60 1.05426 0.00068	12.40 1.06151 0.00060
	12.70 1.05803 0.00066	12.50 1.06538 0.00066
	12.80 1.06162 0.00062	12.60 1.06930 0.00064
	12.90 1.06627 0.00067	12.70 1.07496 0.00065
	13.00 1.07009 0.00066	12.80 1.07879 0.00067
		12.90 1.08278 0.00065
		13.00 1.08695 0.00066

1500	2000	2500
9.00 0.91639 0.00065	8.40 0.91744 0.00064	7.90 0.92226 0.00060
9.10 0.92312 0.00063	8.45 0.92183 0.00060	7.95 0.92608 0.00061
9.20 0.93026 0.00067	8.50 0.92561 0.00062	8.00 0.93048 0.00061
9.30 0.93608 0.00063	8.55 0.92891 0.00061	8.05 0.93571 0.00060
9.40 0.94275 0.00065	8.60 0.93354 0.00064	8.10 0.93916 0.00062
9.50 0.95062 0.00063	8.65 0.93643 0.00061	8.15 0.94361 0.00060
9.60 0.95582 0.00062	8.70 0.94123 0.00058	8.20 0.94773 0.00061
9.70 0.96252 0.00065	8.75 0.94562 0.00062	8.25 0.95320 0.00061
9.80 0.96897 0.00062	8.80 0.94985 0.00061	8.30 0.95628 0.00062
9.90 0.97687 0.00064	8.85 0.95254 0.00062	8.35 0.96064 0.00062
10.00 0.98106 0.00063	8.90 0.95661 0.00062	8.40 0.96404 0.00062
10.10 0.98865 0.00064	8.95 0.95897 0.00064	8.45 0.96910 0.00063
10.20 0.99525 0.00063	9.00 0.96317 0.00063	8.50 0.97288 0.00062
10.30 1.00205 0.00066	9.05 0.96649 0.00062	8.55 0.97589 0.00064
10.40 1.00611 0.00064	9.10 0.97142 0.00062	8.60 0.98156 0.00060
10.50 1.01083 0.00064	9.15 0.97367 0.00062	8.65 0.98492 0.00061
10.60 1.01801 0.00064	9.20 0.97790 0.00060	8.70 0.98931 0.00064
10.70 1.02457 0.00063	9.25 0.98162 0.00062	8.75 0.99262 0.00063
10.80 1.02861 0.00068	9.30 0.98478 0.00061	8.80 0.99603 0.00062
10.90 1.03358 0.00062	9.35 0.98890 0.00063	8.85 1.00025 0.00062

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11.00	1.03980	0.00062	9.40	0.99072	0.00065	8.90	1.00508	0.00061
11.10	1.04471	0.00064	9.45	0.99518	0.00061	8.95	1.00791	0.00065
11.20	1.05021	0.00064	9.50	0.99921	0.00062	9.00	1.01248	0.00062
11.30	1.05555	0.00066	9.55	1.00170	0.00063			
11.40	1.06233	0.00064	9.60	1.00600	0.00063			
11.50	1.06469	0.00064	9.65	1.00934	0.00060			
11.60	1.06991	0.00064	9.70	1.01210	0.00064			
11.70	1.07514	0.00066						
11.80	1.08083	0.00064						
11.90	1.08337	0.00064						
12.00	1.08863	0.00064						

3000	4000	5000						
7.40	0.91881	0.00062	6.60	0.91698	0.00057	6.00	0.91599	0.00056
7.45	0.92527	0.00063	6.65	0.92345	0.00059	6.05	0.92429	0.00057
7.50	0.93058	0.00064	6.70	0.93011	0.00056	6.10	0.93041	0.00055
7.55	0.93494	0.00060	6.75	0.93412	0.00060	6.15	0.93562	0.00058
7.60	0.93964	0.00061	6.80	0.93972	0.00061	6.20	0.94240	0.00058
7.65	0.94330	0.00060	6.85	0.94658	0.00060	6.25	0.94839	0.00056
7.70	0.94829	0.00059	6.90	0.95253	0.00060	6.30	0.95544	0.00058
7.75	0.95369	0.00058	6.95	0.95774	0.00058	6.35	0.96189	0.00057
7.80	0.95726	0.00062	7.00	0.96217	0.00060	6.40	0.96876	0.00059
7.85	0.96309	0.00063	7.05	0.96801	0.00059	6.45	0.97419	0.00057
7.90	0.96720	0.00061	7.10	0.97306	0.00061	6.50	0.98060	0.00059
7.95	0.97186	0.00064	7.15	0.97830	0.00058	6.55	0.98521	0.00059
8.00	0.97587	0.00061	7.20	0.98302	0.00060	6.60	0.99192	0.00058
8.05	0.98077	0.00059	7.25	0.98920	0.00058	6.65	0.99811	0.00059
8.10	0.98602	0.00060	7.30	0.99370	0.00060	6.70	1.00400	0.00063
8.15	0.98850	0.00060	7.35	0.99952	0.00061	6.75	1.00929	0.00058
8.20	0.99360	0.00060	7.40	1.00478	0.00059	6.80	1.01702	0.00055
8.25	0.99981	0.00061	7.45	1.00924	0.00060	6.85	1.02132	0.00061
8.30	1.00328	0.00061	7.50	1.01435	0.00060	6.90	1.02753	0.00059
8.35	1.00770	0.00059				6.95	1.03125	0.00059
8.40	1.01121	0.00063				7.00	1.03907	0.00058

6000	7000	7500						
5.50	0.91318	0.00054	5.10	0.91149	0.00053	4.90	0.90692	0.00052
5.52	0.91616	0.00054	5.12	0.91490	0.00053	4.92	0.91062	0.00051
5.54	0.91977	0.00054	5.14	0.91818	0.00054	4.94	0.91452	0.00052
5.56	0.92162	0.00054	5.16	0.92220	0.00055	4.96	0.91614	0.00050
5.58	0.92512	0.00051	5.18	0.92537	0.00053	4.98	0.92139	0.00055
5.60	0.92804	0.00055	5.20	0.92797	0.00054	5.00	0.92444	0.00054
5.62	0.93025	0.00055	5.22	0.93077	0.00053	5.02	0.92807	0.00052
5.64	0.93274	0.00056	5.24	0.93442	0.00054	5.04	0.93177	0.00052
5.66	0.93644	0.00054	5.26	0.93762	0.00054	5.06	0.93446	0.00052
5.68	0.93890	0.00057	5.28	0.94039	0.00055	5.08	0.93755	0.00051
5.70	0.94221	0.00054	5.30	0.94315	0.00054	5.10	0.94073	0.00052
5.72	0.94552	0.00056	5.32	0.94611	0.00055	5.12	0.94442	0.00054
5.74	0.94795	0.00058	5.34	0.94950	0.00055	5.14	0.94646	0.00054
5.76	0.95022	0.00055	5.36	0.95261	0.00055	5.16	0.95044	0.00054
5.78	0.95332	0.00056	5.38	0.95598	0.00056	5.18	0.95354	0.00055
5.80	0.95589	0.00055	5.40	0.95988	0.00054	5.20	0.95716	0.00052
5.82	0.95816	0.00055	5.42	0.96199	0.00055	5.22	0.96055	0.00052

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5.84	0.96165	0.00057	5.44	0.96564	0.00055	5.24	0.96342	0.00054
5.86	0.96488	0.00054	5.46	0.96835	0.00055	5.26	0.96677	0.00054
5.88	0.96760	0.00056	5.48	0.97156	0.00055	5.28	0.96972	0.00053
5.90	0.97000	0.00058	5.50	0.97398	0.00055	5.30	0.97236	0.00055
5.92	0.97288	0.00057	5.52	0.97741	0.00054	5.32	0.97534	0.00055
5.94	0.97537	0.00057	5.54	0.98145	0.00055	5.34	0.97931	0.00055
5.96	0.97776	0.00057	5.56	0.98364	0.00054	5.36	0.98303	0.00054
5.98	0.98127	0.00058	5.58	0.98663	0.00055	5.38	0.98616	0.00054
6.00	0.98355	0.00056	5.60	0.98901	0.00055	5.40	0.98908	0.00056
6.02	0.98673	0.00059	5.62	0.99223	0.00054	5.42	0.99247	0.00054
6.04	0.98992	0.00058	5.64	0.99556	0.00054	5.44	0.99549	0.00055
6.06	0.99094	0.00057	5.66	0.99791	0.00057	5.46	0.99720	0.00055
6.08	0.99463	0.00059	5.68	1.00079	0.00054	5.48	1.00045	0.00054
6.10	0.99659	0.00055	5.70	1.00451	0.00056	5.50	1.00381	0.00053
6.12	1.00044	0.00057	5.72	1.00695	0.00054	5.52	1.00658	0.00052
6.14	1.00258	0.00057	5.74	1.01003	0.00055	5.54	1.00988	0.00057
6.16	1.00559	0.00060	5.76	1.01293	0.00056	5.56	1.01268	0.00054
6.18	1.00849	0.00059	5.78	1.01617	0.00058	5.58	1.01609	0.00056
6.20	1.01026	0.00059	5.80	1.01924	0.00056	5.60	1.02003	0.00055

8000	9000	10000						
4.80	0.91774	0.00052	4.50	0.91724	0.00051	4.20	0.91152	0.00046
4.82	0.92138	0.00052	4.52	0.92204	0.00049	4.22	0.91487	0.00048
4.84	0.92502	0.00051	4.54	0.92469	0.00050	4.24	0.91815	0.00049
4.86	0.92875	0.00052	4.56	0.92854	0.00050	4.26	0.92292	0.00047
4.88	0.93241	0.00051	4.58	0.93195	0.00051	4.28	0.92696	0.00049
4.90	0.93428	0.00054	4.60	0.93629	0.00050	4.30	0.93031	0.00049
4.92	0.93929	0.00053	4.62	0.93878	0.00052	4.32	0.93525	0.00050
4.94	0.94269	0.00052	4.64	0.94363	0.00050	4.34	0.93889	0.00050
4.96	0.94553	0.00051	4.66	0.94820	0.00051	4.36	0.94266	0.00046
4.98	0.94970	0.00052	4.68	0.95063	0.00050	4.38	0.94574	0.00049
5.00	0.95193	0.00052	4.70	0.95346	0.00052	4.40	0.94984	0.00049
5.02	0.95551	0.00054	4.72	0.95688	0.00051	4.42	0.95359	0.00051
5.04	0.95736	0.00053	4.74	0.96115	0.00051	4.44	0.95763	0.00051
5.06	0.96205	0.00053	4.76	0.96525	0.00051	4.46	0.96070	0.00048
5.08	0.96431	0.00053	4.78	0.96864	0.00052	4.48	0.96542	0.00050
5.10	0.96970	0.00053	4.80	0.97087	0.00052	4.50	0.96823	0.00049
5.12	0.97229	0.00052	4.82	0.97519	0.00054	4.52	0.97236	0.00052
5.14	0.97503	0.00052	4.84	0.97836	0.00052	4.54	0.97559	0.00050
5.16	0.97884	0.00053	4.86	0.98145	0.00052	4.56	0.97909	0.00051
5.18	0.98181	0.00054	4.88	0.98554	0.00050	4.58	0.98285	0.00052
5.20	0.98507	0.00053	4.90	0.98956	0.00052	4.60	0.98679	0.00051
5.22	0.98792	0.00055	4.92	0.99256	0.00051	4.62	0.99008	0.00051
5.24	0.99135	0.00055	4.94	0.99728	0.00051	4.64	0.99485	0.00051
5.26	0.99511	0.00054	4.96	1.00037	0.00052	4.66	0.99787	0.00050
5.28	0.99798	0.00053	4.98	1.00221	0.00053	4.68	1.00123	0.00050
5.30	1.00142	0.00053	5.00	1.00598	0.00051	4.70	1.00519	0.00051
5.32	1.00501	0.00053	5.02	1.01045	0.00054	4.72	1.00922	0.00052
5.34	1.00758	0.00054	5.04	1.01250	0.00053	4.74	1.01319	0.00052
5.36	1.01065	0.00056	5.06	1.01665	0.00050	4.76	1.01677	0.00053
5.38	1.01346	0.00055	5.08	1.01908	0.00055	4.78	1.01941	0.00051
5.40	1.01720	0.00054	5.10	1.02323	0.00052	4.80	1.02404	0.00053

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15000	19600
3.20 0.91616 0.00042	2.50 0.90642 0.00041
3.22 0.92188 0.00044	2.52 0.91147 0.00042
3.24 0.92580 0.00043	2.54 0.91808 0.00042
3.26 0.93140 0.00043	2.56 0.92352 0.00043
3.28 0.93510 0.00043	2.58 0.92982 0.00043
3.30 0.94058 0.00042	2.60 0.93534 0.00044
3.32 0.94640 0.00042	2.62 0.94173 0.00044
3.34 0.95089 0.00043	2.64 0.94776 0.00041
3.36 0.95541 0.00042	2.66 0.95257 0.00044
3.38 0.95974 0.00044	2.68 0.95863 0.00044
3.40 0.96369 0.00044	2.70 0.96460 0.00043
3.42 0.96968 0.00045	2.72 0.97010 0.00043
3.44 0.97420 0.00043	2.74 0.97684 0.00044
3.46 0.97894 0.00044	2.76 0.98242 0.00044
3.48 0.98428 0.00045	2.78 0.98803 0.00043
3.50 0.98873 0.00045	2.80 0.99321 0.00044
3.52 0.99362 0.00043	2.82 0.99908 0.00044
3.54 0.99760 0.00045	2.84 1.00533 0.00045
3.56 1.00212 0.00044	2.86 1.01056 0.00044
3.58 1.00649 0.00044	2.88 1.01677 0.00045
3.60 1.01163 0.00044	2.90 1.02150 0.00046

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10	13	15
20.00 0.86235 0.00033	17.00 0.91534 0.00040	15.00 0.92035 0.00043
22.50 0.89055 0.00032	17.75 0.92962 0.00040	15.25 0.92662 0.00045
25.00 0.91299 0.00031	18.00 0.93404 0.00039	15.50 0.93317 0.00044
27.50 0.92930 0.00032	18.20 0.93662 0.00041	15.75 0.93878 0.00041
28.00 0.93329 0.00029	18.40 0.94058 0.00038	16.00 0.94389 0.00042
28.50 0.93568 0.00030	18.50 0.94178 0.00038	16.25 0.94954 0.00043
29.00 0.93889 0.00031	18.60 0.94332 0.00039	16.50 0.95451 0.00042
29.50 0.94128 0.00030	18.80 0.94600 0.00037	16.75 0.96060 0.00042
30.00 0.94407 0.00029	19.00 0.95010 0.00039	17.00 0.96494 0.00042
30.50 0.94641 0.00031	19.20 0.95287 0.00039	17.25 0.96990 0.00042
31.00 0.94880 0.00028	19.25 0.95441 0.00038	17.50 0.97478 0.00040
31.50 0.95127 0.00028	19.40 0.95525 0.00039	17.75 0.97942 0.00041
32.00 0.95345 0.00028	19.60 0.95937 0.00038	18.00 0.98410 0.00041
32.50 0.95519 0.00028	19.80 0.96205 0.00041	18.25 0.98895 0.00041
33.00 0.95702 0.00028	20.00 0.96419 0.00038	18.50 0.99317 0.00040
33.50 0.95938 0.00028	20.20 0.96716 0.00037	18.75 0.99793 0.00040
34.00 0.96166 0.00028	20.40 0.96991 0.00036	19.00 1.00167 0.00041
34.50 0.96325 0.00028	20.60 0.97311 0.00038	19.25 1.00618 0.00042
35.00 0.96490 0.00028	20.75 0.97435 0.00037	19.50 1.00960 0.00040
35.50 0.96619 0.00028	20.80 0.97621 0.00036	19.75 1.01344 0.00041
36.00 0.96840 0.00027	21.00 0.97666 0.00038	20.00 1.01703 0.00039
36.50 0.96974 0.00029	21.20 0.98005 0.00037	
37.00 0.97157 0.00027	21.40 0.98187 0.00037	
37.50 0.97244 0.00027	21.50 0.98332 0.00036	
38.00 0.97419 0.00027	21.60 0.98452 0.00036	
38.50 0.97531 0.00028	21.80 0.98729 0.00037	
39.00 0.97646 0.00026	22.00 0.98880 0.00037	
39.50 0.97797 0.00027	22.20 0.99098 0.00038	
40.00 0.97905 0.00026	22.25 0.99287 0.00035	
40.50 0.98040 0.00026	22.40 0.99357 0.00038	
41.00 0.98134 0.00026	22.60 0.99539 0.00036	
41.50 0.98229 0.00027	22.80 0.99903 0.00036	
42.00 0.98408 0.00026	23.00 1.00042 0.00037	

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42.50	0.98445	0.00026	23.20	1.00183	0.00037
43.00	0.98603	0.00026	23.40	1.00361	0.00036
43.50	0.98750	0.00026	23.60	1.00611	0.00034
44.00	0.98712	0.00027	23.75	1.00738	0.00035
44.50	0.98878	0.00025	23.80	1.00836	0.00036
45.00	0.98976	0.00025	24.00	1.00972	0.00035
45.50	0.98968	0.00025	24.50	1.01353	0.00035
46.00	0.99144	0.00025	25.25	1.02077	0.00034
46.50	0.99219	0.00025	26.00	1.02656	0.00035
47.00	0.99332	0.00026	26.75	1.03173	0.00036
47.50	0.99370	0.00025	27.50	1.03752	0.00033
48.00	0.99490	0.00024	28.25	1.04204	0.00034
48.50	0.99548	0.00024	29.00	1.04699	0.00033
49.00	0.99553	0.00025	29.75	1.05130	0.00033
49.50	0.99761	0.00025	30.50	1.05464	0.00033
50.00	0.99739	0.00024	31.25	1.05852	0.00032
50.50	0.99755	0.00024	32.00	1.06241	0.00032
51.00	0.99849	0.00024	32.75	1.06680	0.00032
51.50	0.99961	0.00025	33.00	1.06817	0.00033
52.00	0.99989	0.00023			
52.50	1.00054	0.00025			
53.00	1.00143	0.00024			
53.50	1.00152	0.00023			
54.00	1.00273	0.00024			
54.50	1.00291	0.00023			
55.00	1.00379	0.00022			
57.50	1.00609	0.00024			
60.00	1.00828	0.00023			
62.50	1.00995	0.00023			
65.00	1.01226	0.00021			
67.50	1.01399	0.00021			
70.00	1.01494	0.00022			
72.50	1.01641	0.00024			
75.00	1.01732	0.00022			
77.50	1.01847	0.00022			
80.00	1.01931	0.00021			
82.50	1.01994	0.00021			
85.00	1.02203	0.00021			
87.50	1.02205	0.00021			
90.00	1.02252	0.00021			
92.50	1.02372	0.00021			
95.00	1.02403	0.00021			
97.50	1.02413	0.00020			
100.00	1.02579	0.00021			
102.50	1.02606	0.00020			
105.00	1.02615	0.00021			
107.50	1.02665	0.00019			
110.00	1.02740	0.00020			

18	20	22						
13.00	0.91793	0.00048	12.00	0.91011	0.00049	11.00	0.89217	0.00052
13.25	0.92637	0.00048	12.25	0.91981	0.00050	11.20	0.90094	0.00052
13.50	0.93504	0.00047	12.50	0.93011	0.00049	11.40	0.91063	0.00054
13.75	0.94357	0.00047	12.75	0.93937	0.00047	11.60	0.91773	0.00051
14.00	0.95050	0.00045	13.00	0.94866	0.00049	11.80	0.92811	0.00050
14.25	0.95785	0.00048	13.25	0.95697	0.00050	12.00	0.93536	0.00050
14.50	0.96501	0.00047	13.50	0.96446	0.00049	12.20	0.94455	0.00050
14.75	0.97128	0.00047	13.75	0.97387	0.00049	12.40	0.95144	0.00053

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15.00	0.97951	0.00046	14.00	0.98173	0.00049	12.60	0.95929	0.00050
15.25	0.98557	0.00046	14.25	0.98907	0.00048	12.80	0.96672	0.00051
15.50	0.99168	0.00046	14.50	0.99579	0.00048	13.00	0.97400	0.00052
15.75	0.99855	0.00046	14.75	1.00352	0.00050	13.20	0.98169	0.00050
16.00	1.00373	0.00046	15.00	1.01031	0.00049	13.40	0.98742	0.00052
16.25	1.00906	0.00045	15.25	1.01711	0.00048	13.60	0.99473	0.00049
16.50	1.01535	0.00047	15.50	1.02366	0.00048	13.80	1.00087	0.00050
16.75	1.02032	0.00043	15.75	1.02904	0.00049	14.00	1.00653	0.00051
17.00	1.02646	0.00045	16.00	1.03588	0.00048	14.20	1.01276	0.00050
17.25	1.03073	0.00045	16.25	1.04207	0.00049	14.40	1.01971	0.00048
17.50	1.03602	0.00044	16.50	1.04692	0.00047	14.60	1.02563	0.00050
17.75	1.04117	0.00045	16.75	1.05354	0.00047	14.80	1.03125	0.00048
18.00	1.04530	0.00045	17.00	1.05858	0.00047	15.00	1.03651	0.00048
						15.20	1.04229	0.00049
						15.40	1.04794	0.00050
						15.60	1.05202	0.00050
						15.80	1.05772	0.00051
						16.00	1.06220	0.00048

24	25	26						
11.00	0.91198	0.00052	11.00	0.92172	0.00053	10.80	0.92236	0.00056
11.20	0.92195	0.00053	11.20	0.93296	0.00054	11.00	0.93168	0.00053
11.40	0.93083	0.00052	11.40	0.94154	0.00053	11.20	0.94116	0.00055
11.60	0.94083	0.00052	11.60	0.95091	0.00054	11.40	0.95062	0.00054
11.80	0.94932	0.00055	11.80	0.95841	0.00053	11.60	0.95880	0.00057
12.00	0.95790	0.00053	12.00	0.96633	0.00052	11.80	0.96789	0.00053
12.20	0.96407	0.00052	12.20	0.97365	0.00054	12.00	0.97520	0.00055
12.40	0.97377	0.00051	12.40	0.98375	0.00051	12.20	0.98402	0.00051
12.60	0.98138	0.00054	12.60	0.99078	0.00053	12.40	0.99263	0.00052
12.80	0.98934	0.00050	12.80	0.99714	0.00055	12.60	0.99957	0.00053
13.00	0.99506	0.00051	13.00	1.00725	0.00052	12.80	1.00753	0.00054
13.20	1.00217	0.00052	13.20	1.01281	0.00053	13.00	1.01557	0.00053
13.40	1.01052	0.00052	13.40	1.02093	0.00055	13.20	1.02224	0.00052
13.60	1.01790	0.00051	13.60	1.02646	0.00051	13.40	1.02902	0.00053
13.80	1.02313	0.00051	13.80	1.03328	0.00052	13.60	1.03549	0.00050
14.00	1.02936	0.00051	14.00	1.04104	0.00050	13.80	1.04204	0.00052
14.20	1.03658	0.00050	14.20	1.04614	0.00052	14.00	1.04911	0.00051
14.40	1.04194	0.00053	14.40	1.05184	0.00051	14.20	1.05550	0.00052
14.60	1.04831	0.00052	14.60	1.05904	0.00052	14.40	1.06240	0.00053
14.80	1.05276	0.00052	14.80	1.06432	0.00052	14.60	1.06763	0.00053
15.00	1.05984	0.00050	15.00	1.06960	0.00052	14.80	1.07389	0.00051
						15.00	1.07979	0.00051

28	30	32						
10.00	0.89467	0.00054	10.00	0.90918	0.00056	10.00	0.91999	0.00056
10.20	0.90580	0.00055	10.20	0.91854	0.00057	10.10	0.92559	0.00058
10.40	0.91693	0.00056	10.40	0.93069	0.00056	10.20	0.93299	0.00056
10.60	0.92696	0.00055	10.60	0.94062	0.00057	10.30	0.93776	0.00057
10.80	0.93760	0.00056	10.80	0.95222	0.00056	10.40	0.94241	0.00058
11.00	0.94693	0.00058	11.00	0.96015	0.00054	10.50	0.94794	0.00058
11.20	0.95699	0.00055	11.20	0.97125	0.00056	10.60	0.95276	0.00056
11.40	0.96680	0.00054	11.40	0.98018	0.00058	10.70	0.95750	0.00058
11.60	0.97505	0.00055	11.60	0.98917	0.00054	10.80	0.96317	0.00059

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11.80	0.98365	0.00055	11.80	0.99848	0.00054	10.90	0.96847	0.00057
12.00	0.99196	0.00053	12.00	1.00678	0.00056	11.00	0.97316	0.00059
12.20	1.00006	0.00056	12.20	1.01424	0.00057	11.10	0.97687	0.00055
12.40	1.00886	0.00054	12.40	1.02401	0.00055	11.20	0.98334	0.00058
12.60	1.01580	0.00055	12.60	1.03149	0.00056	11.30	0.98725	0.00057
12.80	1.02539	0.00053	12.80	1.03878	0.00054	11.40	0.99235	0.00058
13.00	1.03252	0.00056	13.00	1.04573	0.00055	11.50	0.99632	0.00058
13.20	1.03874	0.00054	13.20	1.05377	0.00054	11.60	1.00196	0.00056
13.40	1.04638	0.00053	13.40	1.06022	0.00055	11.70	1.00667	0.00055
13.60	1.05278	0.00052	13.60	1.06783	0.00055	11.80	1.01033	0.00056
13.80	1.06100	0.00053	13.80	1.07471	0.00055	12.00	1.01846	0.00057
14.00	1.06592	0.00055	14.00	1.08091	0.00057	12.20	1.02828	0.00056
						12.40	1.03582	0.00057
						12.60	1.04334	0.00057
						12.80	1.05177	0.00056
						13.00	1.05989	0.00057
						13.20	1.06585	0.00056
						13.40	1.07411	0.00055
						13.60	1.08110	0.00057
						13.80	1.08692	0.00056
						14.00	1.09379	0.00055

36	40	45						
9.70	0.92259	0.00059	9.00	0.89565	0.00058	9.00	0.91117	0.00062
9.75	0.92718	0.00057	9.20	0.90851	0.00061	9.10	0.91762	0.00063
9.80	0.92941	0.00059	9.40	0.92055	0.00060	9.20	0.92383	0.00059
9.85	0.93259	0.00062	9.60	0.93396	0.00061	9.30	0.93148	0.00064
9.90	0.93428	0.00062	9.80	0.94606	0.00060	9.40	0.93582	0.00060
9.95	0.93767	0.00060	10.00	0.95739	0.00060	9.50	0.94330	0.00063
10.00	0.94069	0.00059	10.20	0.96837	0.00062	9.60	0.94907	0.00060
10.05	0.94330	0.00058	10.40	0.97944	0.00061	9.70	0.95441	0.00062
10.10	0.94736	0.00059	10.60	0.98977	0.00059	9.80	0.96161	0.00061
10.15	0.94893	0.00056	10.80	0.99982	0.00057	9.90	0.96600	0.00062
10.20	0.95194	0.00057	11.00	1.01025	0.00060	10.00	0.97222	0.00061
10.25	0.95519	0.00058	11.20	1.02046	0.00060	10.10	0.97879	0.00060
10.30	0.95669	0.00056	11.40	1.03004	0.00059	10.20	0.98421	0.00062
10.35	0.95927	0.00059	11.60	1.03960	0.00059	10.30	0.99026	0.00063
10.40	0.96440	0.00059	11.80	1.04843	0.00058	10.40	0.99605	0.00062
10.45	0.96518	0.00057	12.00	1.05620	0.00059	10.50	1.00035	0.00062
10.50	0.96872	0.00058	12.20	1.06626	0.00059	10.60	1.00620	0.00061
10.55	0.97156	0.00060	12.40	1.07412	0.00060	10.70	1.01075	0.00062
10.60	0.97404	0.00059	12.60	1.08138	0.00060	10.80	1.01572	0.00061
10.65	0.97677	0.00059	12.80	1.08937	0.00057	10.90	1.02092	0.00061
10.70	0.97734	0.00060	13.00	1.09697	0.00058	11.00	1.02604	0.00061
10.75	0.98176	0.00058				11.10	1.03141	0.00059
10.80	0.98354	0.00059				11.20	1.03652	0.00060
10.85	0.98669	0.00058				11.30	1.04090	0.00061
10.90	0.98913	0.00061				11.40	1.04528	0.00059
10.95	0.99140	0.00059				11.50	1.04955	0.00058
11.00	0.99429	0.00059				11.60	1.05553	0.00058
11.05	0.99765	0.00056				11.70	1.05974	0.00062
11.10	0.99850	0.00059				11.80	1.06485	0.00060
11.15	1.00105	0.00058				11.90	1.06970	0.00060
11.20	1.00415	0.00057				12.00	1.07337	0.00061
11.25	1.00681	0.00058						
11.30	1.00830	0.00059						

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50	75	100
9.00 0.92284 0.00063	8.50 0.91953 0.00064	8.40 0.92328 0.00065
9.20 0.93555 0.00063	8.55 0.92429 0.00067	8.45 0.92647 0.00068
9.40 0.94766 0.00063	8.60 0.92734 0.00065	8.50 0.93113 0.00069
9.60 0.95966 0.00063	8.65 0.93090 0.00064	8.55 0.93347 0.00069
9.80 0.97380 0.00063	8.70 0.93454 0.00065	8.60 0.93796 0.00070
10.00 0.98498 0.00061	8.75 0.93668 0.00066	8.65 0.94072 0.00067
10.20 0.99538 0.00061	8.80 0.94101 0.00066	8.70 0.94461 0.00067
10.40 1.00681 0.00060	8.85 0.94411 0.00065	8.75 0.94884 0.00069
10.60 1.01769 0.00063	8.90 0.94658 0.00067	8.80 0.95124 0.00066
10.80 1.02823 0.00060	8.95 0.95120 0.00067	8.85 0.95501 0.00067
11.00 1.03889 0.00062	9.00 0.95455 0.00063	8.90 0.95716 0.00067
11.20 1.04833 0.00064	9.05 0.95620 0.00065	8.95 0.96183 0.00066
11.40 1.05820 0.00061	9.10 0.96000 0.00067	9.00 0.96401 0.00068
11.60 1.06729 0.00062	9.15 0.96441 0.00062	9.05 0.96851 0.00065
11.80 1.07748 0.00064	9.20 0.96699 0.00067	9.10 0.97110 0.00067
12.00 1.08594 0.00061	9.25 0.97000 0.00066	9.15 0.97522 0.00066
	9.30 0.97554 0.00066	9.20 0.97737 0.00067
	9.35 0.97699 0.00064	9.25 0.98189 0.00065
	9.40 0.98006 0.00063	9.30 0.98457 0.00068
	9.45 0.98379 0.00065	9.35 0.98708 0.00068
	9.50 0.98560 0.00065	9.40 0.98966 0.00067
	9.55 0.98805 0.00068	9.45 0.99382 0.00068
	9.60 0.99205 0.00066	9.50 0.99592 0.00066
	9.65 0.99526 0.00067	9.55 0.99985 0.00070
	9.70 0.99827 0.00068	9.60 1.00308 0.00065
	9.75 1.00076 0.00068	9.65 1.00483 0.00066
	9.80 1.00487 0.00066	9.70 1.00857 0.00066
	9.85 1.00753 0.00064	
	9.90 1.00991 0.00065	
	9.95 1.01441 0.00065	
	10.00 1.01728 0.00064	

150	200	350
8.30 0.91949 0.00070	8.40 0.92392 0.00069	8.00 0.88715 0.00067
8.35 0.92306 0.00070	8.45 0.92608 0.00069	8.20 0.89835 0.00068
8.40 0.92687 0.00065	8.50 0.92982 0.00069	8.40 0.91281 0.00067
8.45 0.93024 0.00068	8.55 0.93306 0.00068	8.60 0.92701 0.00065
8.50 0.93279 0.00070	8.60 0.93578 0.00068	8.80 0.93858 0.00067
8.55 0.93595 0.00066	8.65 0.94073 0.00070	9.00 0.95170 0.00067
8.60 0.94072 0.00069	8.70 0.94255 0.00069	9.20 0.96286 0.00068
8.65 0.94516 0.00065	8.75 0.94573 0.00068	9.40 0.97480 0.00068
8.70 0.94618 0.00067	8.80 0.94970 0.00070	9.60 0.98448 0.00068
8.75 0.95178 0.00067	8.85 0.95176 0.00072	9.80 0.99520 0.00067
8.80 0.95482 0.00070	8.90 0.95510 0.00066	10.00 1.00692 0.00068
8.85 0.95761 0.00067	8.95 0.95965 0.00068	10.20 1.01697 0.00070
8.90 0.96094 0.00067	9.00 0.96231 0.00067	10.40 1.02746 0.00068
8.95 0.96331 0.00069	9.05 0.96585 0.00070	10.60 1.03675 0.00066
9.00 0.96568 0.00066	9.10 0.96836 0.00067	10.80 1.04537 0.00065
9.05 0.96946 0.00067	9.15 0.97087 0.00069	11.00 1.05331 0.00067
9.10 0.97353 0.00068	9.20 0.97556 0.00069	11.20 1.06201 0.00067
9.15 0.97748 0.00065	9.25 0.97746 0.00068	11.40 1.07092 0.00066
9.20 0.98003 0.00067	9.30 0.98087 0.00067	11.60 1.07937 0.00067
9.25 0.98265 0.00067	9.35 0.98290 0.00065	11.80 1.08741 0.00067

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9.30	0.98531	0.00069	9.40	0.98728	0.00067	12.00	1.09453	0.00066
9.35	0.98738	0.00067	9.45	0.99022	0.00070			
9.40	0.99143	0.00067	9.50	0.99335	0.00066			
9.45	0.99457	0.00068	9.55	0.99615	0.00067			
9.50	0.99828	0.00066	9.60	0.99749	0.00069			
9.55	0.99975	0.00067	9.65	1.00203	0.00069			
9.60	1.00394	0.00070	9.70	1.00475	0.00067			
9.65	1.00688	0.00070	9.75	1.00746	0.00066			
9.70	1.00933	0.00069	9.80	1.00923	0.00066			
			9.85	1.01231	0.00067			
			9.90	1.01559	0.00070			
			9.95	1.01779	0.00069			
			10.00	1.02140	0.00069			

500	750	1000						
8.00	0.88240	0.00067	8.00	0.89171	0.00063	8.30	0.92826	0.00068
8.20	0.89732	0.00067	8.20	0.90498	0.00064	8.35	0.92909	0.00065
8.40	0.91074	0.00069	8.40	0.91863	0.00067	8.40	0.93321	0.00067
8.60	0.92347	0.00066	8.60	0.93133	0.00066	8.45	0.93672	0.00063
8.80	0.93398	0.00063	8.80	0.94267	0.00064	8.50	0.94101	0.00066
9.00	0.94886	0.00065	9.00	0.95491	0.00068	8.55	0.94194	0.00062
9.20	0.95926	0.00066	9.20	0.96555	0.00066	8.60	0.94589	0.00063
9.40	0.96991	0.00068	9.40	0.97815	0.00063	8.65	0.94843	0.00067
9.60	0.98291	0.00066	9.60	0.98688	0.00069	8.70	0.95235	0.00063
9.80	0.99087	0.00070	9.80	0.99780	0.00066	8.75	0.95575	0.00064
10.00	1.00138	0.00067	10.00	1.00772	0.00066	8.80	0.95861	0.00062
10.20	1.01159	0.00067	10.20	1.01646	0.00065	8.85	0.96187	0.00064
10.40	1.02089	0.00070	10.40	1.02632	0.00065	8.90	0.96381	0.00065
10.60	1.03049	0.00065	10.60	1.03624	0.00065	8.95	0.96617	0.00066
10.80	1.03981	0.00066	10.80	1.04451	0.00066	9.00	0.96967	0.00066
11.00	1.04836	0.00069	11.00	1.05386	0.00067	9.05	0.97227	0.00067
11.20	1.05576	0.00065	11.20	1.06127	0.00064	9.10	0.97494	0.00064
11.40	1.06470	0.00068	11.40	1.07094	0.00066	9.15	0.97754	0.00068
11.60	1.07432	0.00066	11.60	1.07814	0.00067	9.20	0.98006	0.00065
11.80	1.08135	0.00069	11.80	1.08528	0.00067	9.25	0.98472	0.00066
12.00	1.08910	0.00068	12.00	1.09274	0.00065	9.30	0.98552	0.00065
			9.35	0.98977	0.00067			
			9.40	0.99132	0.00066			
			9.45	0.99500	0.00065			
			9.50	0.99660	0.00065			
			9.55	0.99939	0.00066			
			9.60	1.00230	0.00066			
			9.65	1.00502	0.00065			
			9.70	1.00827	0.00067			

1500	2000	2500						
7.60	0.91968	0.00062	7.00	0.91556	0.00064	6.60	0.92423	0.00060
7.65	0.92394	0.00065	7.05	0.92082	0.00064	6.65	0.92821	0.00062
7.70	0.92599	0.00064	7.10	0.92471	0.00064	6.70	0.93321	0.00062
7.75	0.92986	0.00062	7.15	0.92910	0.00063	6.75	0.93739	0.00061
7.80	0.93467	0.00065	7.20	0.93182	0.00066	6.80	0.94152	0.00064
7.85	0.93694	0.00065	7.25	0.93749	0.00061	6.85	0.94592	0.00059
7.90	0.94048	0.00065	7.30	0.94085	0.00065	6.90	0.95035	0.00064

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7.95	0.94518	0.00064	7.35	0.94330	0.00064	6.95	0.95563	0.00061
8.00	0.94720	0.00064	7.40	0.94781	0.00063	7.00	0.95924	0.00063
8.05	0.95097	0.00065	7.45	0.95204	0.00065	7.05	0.96337	0.00064
8.10	0.95381	0.00065	7.50	0.95524	0.00062	7.10	0.96831	0.00066
8.15	0.95674	0.00064	7.55	0.95955	0.00062	7.15	0.97214	0.00062
8.20	0.96115	0.00065	7.60	0.96307	0.00063	7.20	0.97521	0.00061
8.25	0.96398	0.00065	7.65	0.96645	0.00061	7.25	0.97948	0.00062
8.30	0.96745	0.00065	7.70	0.97054	0.00060	7.30	0.98406	0.00062
8.35	0.97167	0.00065	7.75	0.97367	0.00063	7.35	0.98763	0.00064
8.40	0.97335	0.00064	7.80	0.97743	0.00062	7.40	0.99166	0.00060
8.45	0.97589	0.00063	7.85	0.98227	0.00064	7.45	0.99539	0.00063
8.50	0.98095	0.00062	7.90	0.98509	0.00065	7.50	0.99902	0.00063
8.55	0.98396	0.00063	7.95	0.98839	0.00062	7.55	1.00384	0.00063
8.60	0.98573	0.00066	8.00	0.99186	0.00063	7.60	1.00629	0.00063
8.65	0.98978	0.00064	8.05	0.99638	0.00063			
8.70	0.99279	0.00063	8.10	0.99926	0.00062			
8.75	0.99570	0.00065	8.15	1.00110	0.00064			
8.80	0.99892	0.00061	8.20	1.00548	0.00063			
8.85	1.00163	0.00063						
8.90	1.00456	0.00063						
8.95	1.00802	0.00062						
9.00	1.01085	0.00063						

3000	4000	5000						
6.00	0.90650	0.00062	5.40	0.91346	0.00059	4.90	0.91477	0.00060
6.05	0.91230	0.00062	5.45	0.91883	0.00060	4.92	0.91806	0.00061
6.10	0.91631	0.00062	5.50	0.92543	0.00060	4.94	0.91986	0.00058
6.15	0.92135	0.00063	5.55	0.93057	0.00062	4.96	0.92349	0.00061
6.20	0.92626	0.00062	5.60	0.93573	0.00060	4.98	0.92622	0.00059
6.25	0.93116	0.00061	5.65	0.94198	0.00062	5.00	0.92818	0.00058
6.30	0.93672	0.00061	5.70	0.94761	0.00063	5.02	0.93068	0.00059
6.35	0.94185	0.00063	5.75	0.95347	0.00061	5.04	0.93341	0.00059
6.40	0.94704	0.00062	5.80	0.95912	0.00061	5.06	0.93661	0.00058
6.45	0.95030	0.00059	5.85	0.96536	0.00061	5.08	0.93984	0.00060
6.50	0.95560	0.00062	5.90	0.97006	0.00061	5.10	0.94110	0.00058
6.55	0.95963	0.00062	5.95	0.97531	0.00060	5.12	0.94456	0.00061
6.60	0.96512	0.00061	6.00	0.98039	0.00058	5.14	0.94644	0.00061
6.65	0.96981	0.00063	6.05	0.98516	0.00062	5.16	0.95105	0.00059
6.70	0.97467	0.00063	6.10	0.99303	0.00059	5.18	0.95170	0.00063
6.75	0.97855	0.00061	6.15	0.99817	0.00063	5.20	0.95495	0.00062
6.80	0.98328	0.00062	6.20	1.00325	0.00058	5.22	0.95690	0.00060
6.85	0.98806	0.00062	6.25	1.00738	0.00063	5.24	0.95949	0.00058
6.90	0.99269	0.00062	6.30	1.01357	0.00062	5.26	0.96207	0.00059
6.95	0.99642	0.00061				5.28	0.96419	0.00063
7.00	1.00065	0.00060				5.30	0.96796	0.00060
7.05	1.00503	0.00061				5.32	0.96988	0.00061
7.10	1.01008	0.00064				5.34	0.97175	0.00062
						5.36	0.97559	0.00064
						5.38	0.97827	0.00063
						5.40	0.98005	0.00060
						5.42	0.98276	0.00060
						5.44	0.98623	0.00064
						5.46	0.98802	0.00060
						5.48	0.98946	0.00056
						5.50	0.99405	0.00060
						5.52	0.99484	0.00062
						5.54	0.99753	0.00062
						5.56	0.99987	0.00061

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5.58	1.00230	0.00060
5.60	1.00543	0.00061
5.62	1.00751	0.00060
5.64	1.01017	0.00063
5.66	1.01253	0.00061
5.68	1.01436	0.00060
5.70	1.01694	0.00062

	6000		7000		7500
4.50	0.91673	0.00061	4.20	0.92045	0.00057
4.52	0.91787	0.00056	4.22	0.92569	0.00058
4.54	0.92073	0.00058	4.24	0.92795	0.00059
4.56	0.92510	0.00057	4.26	0.93162	0.00057
4.58	0.92764	0.00059	4.28	0.93502	0.00059
4.60	0.93009	0.00058	4.30	0.93808	0.00059
4.62	0.93293	0.00060	4.32	0.94144	0.00056
4.64	0.93679	0.00060	4.34	0.94516	0.00058
4.66	0.93965	0.00060	4.36	0.94862	0.00057
4.68	0.94231	0.00058	4.38	0.95145	0.00059
4.70	0.94543	0.00059	4.40	0.95458	0.00059
4.72	0.94893	0.00059	4.42	0.95709	0.00059
4.74	0.95086	0.00061	4.44	0.96024	0.00059
4.76	0.95542	0.00059	4.46	0.96467	0.00060
4.78	0.95690	0.00062	4.48	0.96651	0.00060
4.80	0.96070	0.00059	4.50	0.97016	0.00056
4.82	0.96240	0.00062	4.52	0.97343	0.00058
4.84	0.96613	0.00058	4.54	0.97447	0.00060
4.86	0.96851	0.00059	4.56	0.97900	0.00059
4.88	0.97232	0.00060	4.58	0.98419	0.00058
4.90	0.97523	0.00059	4.60	0.98639	0.00062
4.92	0.97819	0.00056	4.62	0.98836	0.00059
4.94	0.97949	0.00059	4.64	0.99071	0.00061
4.96	0.98335	0.00061	4.66	0.99528	0.00059
4.98	0.98598	0.00063	4.68	0.99769	0.00058
5.00	0.98814	0.00062	4.70	1.00081	0.00062
5.02	0.99178	0.00060	4.72	1.00400	0.00061
5.04	0.99407	0.00060	4.74	1.00802	0.00060
5.06	0.99805	0.00061	4.76	1.00995	0.00060
5.08	0.99992	0.00061	4.78	1.01413	0.00063
5.10	1.00182	0.00063	4.80	1.01594	0.00059
5.12	1.00591	0.00060			
5.14	1.00869	0.00062			
5.16	1.01056	0.00060			
5.18	1.01347	0.00060			
5.20	1.01587	0.00059			

8000			9000			10000		
3.90	0.91904	0.00056	3.60	0.90874	0.00056	3.40	0.91180	0.00054
3.92	0.92307	0.00058	3.62	0.91280	0.00057	3.42	0.91585	0.00053
3.94	0.92582	0.00058	3.64	0.91641	0.00056	3.44	0.91975	0.00054
3.96	0.93013	0.00057	3.66	0.91957	0.00056	3.46	0.92399	0.00057
3.98	0.93292	0.00056	3.68	0.92301	0.00056	3.48	0.92762	0.00055
4.00	0.93701	0.00056	3.70	0.92812	0.00057	3.50	0.93196	0.00057

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4.02	0.94059	0.00055	3.72	0.93208	0.00057	3.52	0.93504	0.00055
4.04	0.94472	0.00055	3.74	0.93462	0.00057	3.54	0.94022	0.00054
4.06	0.94735	0.00058	3.76	0.93869	0.00055	3.56	0.94436	0.00056
4.08	0.95068	0.00058	3.78	0.94267	0.00055	3.58	0.94967	0.00056
4.10	0.95449	0.00059	3.80	0.94750	0.00058	3.60	0.95227	0.00058
4.12	0.95716	0.00059	3.82	0.95103	0.00057	3.62	0.95673	0.00058
4.14	0.96089	0.00056	3.84	0.95466	0.00059	3.64	0.95967	0.00058
4.16	0.96448	0.00058	3.86	0.95828	0.00056	3.66	0.96432	0.00056
4.18	0.96868	0.00058	3.88	0.96155	0.00060	3.68	0.96866	0.00057
4.20	0.97126	0.00058	3.90	0.96495	0.00056	3.70	0.97139	0.00055
4.22	0.97530	0.00058	3.92	0.96959	0.00056	3.72	0.97731	0.00055
4.24	0.97944	0.00057	3.94	0.97291	0.00056	3.74	0.97984	0.00057
4.26	0.98233	0.00059	3.96	0.97724	0.00059	3.76	0.98369	0.00058
4.28	0.98541	0.00060	3.98	0.98096	0.00056	3.78	0.98781	0.00055
4.30	0.98963	0.00060	4.00	0.98471	0.00060	3.80	0.99249	0.00057
4.32	0.99353	0.00059	4.02	0.98798	0.00058	3.82	0.99591	0.00057
4.34	0.99608	0.00059	4.04	0.99193	0.00055	3.84	0.99914	0.00058
4.36	0.99969	0.00060	4.06	0.99600	0.00057	3.86	1.00281	0.00057
4.38	1.00193	0.00059	4.08	0.99869	0.00059	3.88	1.00758	0.00058
4.40	1.00473	0.00058	4.10	1.00282	0.00057	3.90	1.01169	0.00059
			4.12	1.00623	0.00058			
			4.14	1.00852	0.00056			
			4.16	1.01331	0.00058			
			4.18	1.01660	0.00059			
			4.20	1.02014	0.00057			

15000	19600				
2.60	0.91222	0.00052	2.10	0.91131	0.00048
2.62	0.91842	0.00050	2.12	0.91802	0.00050
2.64	0.92309	0.00051	2.14	0.92467	0.00047
2.66	0.92803	0.00053	2.16	0.93006	0.00048
2.68	0.93340	0.00050	2.18	0.93813	0.00048
2.70	0.93947	0.00050	2.20	0.94406	0.00048
2.72	0.94431	0.00053	2.22	0.95048	0.00049
2.74	0.94956	0.00054	2.24	0.95852	0.00050
2.76	0.95533	0.00050	2.26	0.96296	0.00049
2.78	0.95986	0.00050	2.28	0.97027	0.00048
2.80	0.96578	0.00051	2.30	0.97682	0.00051
2.82	0.97001	0.00053	2.32	0.98385	0.00051
2.84	0.97610	0.00052	2.34	0.99025	0.00053
2.86	0.98201	0.00051	2.36	0.99625	0.00051
2.88	0.98663	0.00054	2.38	1.00247	0.00051
2.90	0.99129	0.00054	2.40	1.00944	0.00049
2.92	0.99619	0.00051			
2.94	1.00189	0.00054			
2.96	1.00689	0.00052			
2.98	1.01249	0.00052			
3.00	1.01653	0.00053			

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10	13	15
20.00 0.87587 0.00032	16.00 0.91763 0.00038	14.00 0.92309 0.00040
22.50 0.90106 0.00032	16.25 0.92306 0.00039	14.25 0.92999 0.00041
25.00 0.92095 0.00029	16.50 0.92694 0.00037	14.50 0.93584 0.00043
27.00 0.93383 0.00029	16.75 0.93115 0.00040	14.75 0.94131 0.00040
27.50 0.93657 0.00029	17.00 0.93646 0.00037	15.00 0.94755 0.00041
28.00 0.93868 0.00029	17.25 0.94019 0.00038	15.25 0.95305 0.00039
29.00 0.94463 0.00028	17.50 0.94282 0.00038	15.50 0.95870 0.00040
30.00 0.94812 0.00027	17.75 0.94748 0.00037	15.75 0.96315 0.00041
31.00 0.95448 0.00029	18.00 0.95137 0.00037	16.00 0.96874 0.00040
32.00 0.95782 0.00027	18.25 0.95535 0.00036	16.25 0.97352 0.00039
32.50 0.95901 0.00028	18.50 0.95904 0.00036	16.50 0.97793 0.00041
33.00 0.96164 0.00026	18.75 0.96270 0.00036	16.75 0.98132 0.00041
34.00 0.96536 0.00028	19.00 0.96653 0.00036	17.00 0.98844 0.00037
35.00 0.96831 0.00027	19.25 0.96903 0.00036	17.25 0.99140 0.00040
36.00 0.97221 0.00025	19.50 0.97295 0.00035	17.50 0.99592 0.00040
37.00 0.97460 0.00026	19.75 0.97510 0.00035	17.75 0.99999 0.00039
37.50 0.97558 0.00026	20.00 0.97916 0.00035	18.00 1.00429 0.00039
38.00 0.97719 0.00025	20.25 0.98320 0.00035	18.25 1.00846 0.00038
39.00 0.97938 0.00026	20.50 0.98393 0.00035	18.50 1.01149 0.00038
40.00 0.98237 0.00025	20.75 0.98843 0.00035	18.75 1.01564 0.00039
41.00 0.98367 0.00025	21.00 0.99085 0.00035	19.00 1.01896 0.00038
42.00 0.98640 0.00026	21.25 0.99355 0.00035	19.25 1.02345 0.00039
42.50 0.98687 0.00025	21.50 0.99646 0.00035	19.50 1.02615 0.00038
43.00 0.98771 0.00025	21.75 0.99978 0.00034	19.75 1.02913 0.00036
44.00 0.99031 0.00024	22.00 1.00070 0.00035	20.00 1.03301 0.00037
45.00 0.99095 0.00024	22.25 1.00432 0.00035	
46.00 0.99361 0.00024	22.50 1.00660 0.00036	
47.00 0.99484 0.00024	22.75 1.00951 0.00034	
47.50 0.99615 0.00023	23.00 1.01015 0.00035	
48.00 0.99640 0.00023		
49.00 0.99845 0.00024		
50.00 0.99955 0.00023		
51.00 1.00087 0.00024		
52.00 1.00218 0.00023		
52.50 1.00221 0.00024		
53.00 1.00271 0.00024		
55.00 1.00461 0.00023		
57.50 1.00736 0.00023		
60.00 1.00927 0.00022		
62.50 1.01083 0.00022		
65.00 1.01316 0.00022		

18	20	22
12.00 0.92252 0.00046	11.00 0.91625 0.00046	10.00 0.89832 0.00049
12.25 0.93130 0.00045	11.25 0.92627 0.00049	10.20 0.90820 0.00050
12.50 0.93796 0.00046	11.50 0.93591 0.00047	10.40 0.91733 0.00049
12.75 0.94732 0.00045	11.75 0.94515 0.00046	10.60 0.92527 0.00047
13.00 0.95499 0.00043	12.00 0.95398 0.00048	10.80 0.93424 0.00049
13.25 0.96231 0.00045	12.25 0.96137 0.00048	11.00 0.94225 0.00049
13.50 0.96924 0.00043	12.50 0.97132 0.00045	11.20 0.94914 0.00047
13.75 0.97566 0.00045	12.75 0.97818 0.00046	11.40 0.95856 0.00049
14.00 0.98299 0.00043	13.00 0.98583 0.00045	11.60 0.96545 0.00047
14.25 0.98872 0.00044	13.25 0.99413 0.00045	11.80 0.97300 0.00048
14.50 0.99568 0.00043	13.50 1.00020 0.00047	12.00 0.98031 0.00048
14.75 1.00135 0.00043	13.75 1.00870 0.00047	12.20 0.98801 0.00049
15.00 1.00741 0.00044	14.00 1.01522 0.00047	12.40 0.99409 0.00048
15.25 1.01346 0.00044	14.25 1.02176 0.00045	12.60 1.00049 0.00049
15.50 1.01889 0.00042	14.50 1.02693 0.00048	12.80 1.00681 0.00047
15.75 1.02487 0.00044	14.75 1.03462 0.00045	13.00 1.01338 0.00046

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16.00	1.02969	0.00043	15.00	1.04077	0.00044	13.20	1.01947	0.00048
16.25	1.03417	0.00042	15.25	1.04570	0.00046	13.40	1.02429	0.00048
16.50	1.03960	0.00041	15.50	1.05152	0.00046	13.60	1.03069	0.00046
16.75	1.04470	0.00044	15.75	1.05768	0.00044	13.80	1.03566	0.00045
17.00	1.04971	0.00042	16.00	1.06253	0.00045	14.00	1.04217	0.00046
						14.20	1.04657	0.00047
						14.40	1.05283	0.00049
						14.60	1.05762	0.00046
						14.80	1.06249	0.00046
						15.00	1.06736	0.00049

24	25	26						
10.00	0.92110	0.00051	9.90	0.92618	0.00051	9.00	0.88857	0.00050
10.20	0.93092	0.00049	10.10	0.93543	0.00050	9.20	0.89992	0.00051
10.40	0.93872	0.00051	10.30	0.94429	0.00051	9.40	0.90967	0.00051
10.60	0.94718	0.00052	10.50	0.95413	0.00049	9.60	0.92091	0.00051
10.80	0.95581	0.00051	10.70	0.96192	0.00050	9.80	0.93028	0.00052
11.00	0.96521	0.00051	10.90	0.97035	0.00051	10.00	0.94016	0.00051
11.20	0.97175	0.00051	11.10	0.97996	0.00052	10.20	0.94878	0.00052
11.40	0.98068	0.00051	11.30	0.98688	0.00050	10.40	0.95897	0.00048
11.60	0.98780	0.00050	11.50	0.99445	0.00049	10.60	0.96685	0.00050
11.80	0.99494	0.00050	11.70	1.00213	0.00051	10.80	0.97571	0.00051
12.00	1.00214	0.00049	11.90	1.00954	0.00048	11.00	0.98403	0.00051
12.20	1.00998	0.00051	12.10	1.01656	0.00050	11.20	0.99257	0.00052
12.40	1.01686	0.00049	12.30	1.02373	0.00052	11.40	1.00085	0.00051
12.60	1.02311	0.00049	12.50	1.03139	0.00048	11.60	1.00815	0.00052
12.80	1.03019	0.00049	12.70	1.03728	0.00049	11.80	1.01508	0.00050
13.00	1.03578	0.00049	12.90	1.04383	0.00049	12.00	1.02224	0.00053
13.20	1.04269	0.00048	13.10	1.04914	0.00050	12.20	1.02950	0.00050
13.40	1.04791	0.00048	13.30	1.05573	0.00050	12.40	1.03734	0.00050
13.60	1.05376	0.00047	13.50	1.06247	0.00048	12.60	1.04271	0.00049
13.80	1.06047	0.00050	13.70	1.06656	0.00050	12.80	1.04995	0.00050
14.00	1.06505	0.00047	13.90	1.07312	0.00048	13.00	1.05610	0.00050
			14.00	1.07531	0.00047	13.20	1.06238	0.00048
						13.40	1.06811	0.00051
						13.60	1.07485	0.00050
						13.80	1.08025	0.00051
						14.00	1.08567	0.00049

28	30	32						
9.00	0.90491	0.00050	9.00	0.91977	0.00053	9.00	0.93352	0.00053
9.20	0.91557	0.00053	9.20	0.93058	0.00054	9.05	0.93496	0.00055
9.40	0.92685	0.00051	9.40	0.94075	0.00051	9.10	0.93791	0.00053
9.60	0.93719	0.00055	9.60	0.95158	0.00051	9.15	0.94156	0.00053
9.80	0.94705	0.00053	9.80	0.96241	0.00053	9.20	0.94350	0.00055
10.00	0.95719	0.00054	10.00	0.97101	0.00052	9.25	0.94553	0.00053
10.20	0.96620	0.00051	10.20	0.98068	0.00051	9.30	0.94838	0.00052
10.40	0.97508	0.00052	10.40	0.99037	0.00053	9.35	0.95232	0.00054
10.60	0.98358	0.00052	10.60	0.99881	0.00052	9.40	0.95363	0.00053
10.80	0.99351	0.00054	10.80	1.00754	0.00053	9.45	0.95704	0.00054
11.00	1.00069	0.00051	11.00	1.01595	0.00050	9.50	0.95926	0.00055
11.20	1.00868	0.00053	11.20	1.02395	0.00053	9.55	0.96143	0.00053
11.40	1.01710	0.00050	11.40	1.03219	0.00053	9.60	0.96393	0.00052

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11.60	1.02585	0.00053	11.60	1.04019	0.00050	9.65	0.96655	0.00056
11.80	1.03352	0.00050	11.80	1.04671	0.00052	9.70	0.96925	0.00052
12.00	1.03983	0.00051	12.00	1.05500	0.00052	9.75	0.97143	0.00056
12.20	1.04767	0.00052	12.20	1.06188	0.00052	9.80	0.97480	0.00052
12.40	1.05431	0.00052	12.40	1.06857	0.00052	9.85	0.97734	0.00054
12.60	1.05975	0.00051	12.60	1.07611	0.00053	9.90	0.97922	0.00056
12.80	1.06718	0.00050	12.80	1.08374	0.00050	9.95	0.98223	0.00052
13.00	1.07322	0.00052	13.00	1.08913	0.00053	10.00	0.98447	0.00054
						10.05	0.98674	0.00052
						10.10	0.98884	0.00051
						10.15	0.99165	0.00053
						10.20	0.99366	0.00054
						10.25	0.99684	0.00051
						10.30	0.99900	0.00053
						10.35	1.00045	0.00053
						10.40	1.00435	0.00053
						10.60	1.01281	0.00057
						10.80	1.02044	0.00055
						11.00	1.02933	0.00052

36	40	45						
8.00	0.89319	0.00055	8.00	0.91089	0.00058	7.90	0.92137	0.00059
8.20	0.90604	0.00058	8.05	0.91376	0.00054	7.95	0.92482	0.00058
8.40	0.91860	0.00054	8.10	0.91696	0.00055	8.00	0.92833	0.00057
8.60	0.92967	0.00056	8.15	0.92046	0.00057	8.05	0.93147	0.00058
8.80	0.94211	0.00054	8.20	0.92319	0.00058	8.10	0.93462	0.00056
9.00	0.95339	0.00056	8.25	0.92674	0.00058	8.15	0.93776	0.00057
9.20	0.96518	0.00056	8.30	0.93054	0.00056	8.20	0.94080	0.00056
9.40	0.97629	0.00056	8.35	0.93384	0.00057	8.25	0.94512	0.00058
9.60	0.98693	0.00056	8.40	0.93688	0.00057	8.30	0.94707	0.00056
9.80	0.99634	0.00056	8.45	0.93833	0.00056	8.35	0.95031	0.00058
10.00	1.00656	0.00054	8.50	0.94273	0.00057	8.40	0.95286	0.00057
10.20	1.01639	0.00054	8.55	0.94482	0.00057	8.45	0.95632	0.00058
10.40	1.02471	0.00055	8.60	0.94897	0.00053	8.50	0.95961	0.00058
10.60	1.03422	0.00056	8.65	0.95165	0.00057	8.55	0.96208	0.00057
10.80	1.04333	0.00052	8.70	0.95463	0.00056	8.60	0.96615	0.00054
11.00	1.05232	0.00053	8.75	0.95679	0.00057	8.65	0.96907	0.00057
11.20	1.05964	0.00052	8.80	0.96023	0.00054	8.70	0.97214	0.00056
11.40	1.06865	0.00056	8.85	0.96359	0.00057	8.75	0.97454	0.00056
11.60	1.07572	0.00053	8.90	0.96618	0.00056	8.80	0.97658	0.00056
11.80	1.08306	0.00053	8.95	0.96887	0.00057	8.85	0.98115	0.00058
12.00	1.09233	0.00053	9.00	0.97182	0.00055	8.90	0.98364	0.00058
			9.05	0.97459	0.00058	8.95	0.98620	0.00058
			9.10	0.97732	0.00059	9.00	0.98778	0.00056
			9.15	0.98063	0.00056	9.05	0.99144	0.00058
			9.20	0.98315	0.00057	9.10	0.99475	0.00058
			9.25	0.98591	0.00055	9.15	0.99731	0.00057
			9.30	0.98842	0.00055	9.20	0.99982	0.00056
			9.35	0.99138	0.00057	9.25	1.00276	0.00059
			9.40	0.99302	0.00058	9.30	1.00569	0.00060
			9.45	0.99627	0.00056	9.35	1.00858	0.00057
			9.50	0.99924	0.00055	9.40	1.01039	0.00058
			9.55	1.00105	0.00056			
			9.60	1.00410	0.00056			
			9.65	1.00651	0.00058			
			9.70	1.00914	0.00055			

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50	75	100
7.70 0.92170 0.00055	7.00 0.90976 0.00062	6.90 0.91823 0.00063
7.75 0.92518 0.00059	7.05 0.91338 0.00061	6.95 0.92148 0.00061
7.80 0.92802 0.00056	7.10 0.91635 0.00061	7.00 0.92628 0.00064
7.85 0.93200 0.00060	7.15 0.92047 0.00060	7.05 0.93039 0.00062
7.90 0.93610 0.00060	7.20 0.92445 0.00061	7.10 0.93437 0.00059
7.95 0.93779 0.00057	7.25 0.92771 0.00060	7.15 0.93660 0.00062
8.00 0.94123 0.00058	7.30 0.93232 0.00061	7.20 0.94052 0.00059
8.05 0.94385 0.00059	7.35 0.93441 0.00061	7.25 0.94420 0.00061
8.10 0.94722 0.00058	7.40 0.93951 0.00062	7.30 0.94706 0.00061
8.15 0.95150 0.00057	7.45 0.94225 0.00059	7.35 0.95094 0.00062
8.20 0.95605 0.00059	7.50 0.94660 0.00060	7.40 0.95491 0.00062
8.25 0.95722 0.00056	7.55 0.95032 0.00059	7.45 0.95822 0.00063
8.30 0.96107 0.00058	7.60 0.95265 0.00061	7.50 0.96188 0.00062
8.35 0.96354 0.00059	7.65 0.95641 0.00060	7.55 0.96565 0.00061
8.40 0.96715 0.00058	7.70 0.96078 0.00059	7.60 0.96894 0.00062
8.45 0.96927 0.00059	7.75 0.96250 0.00060	7.65 0.97157 0.00063
8.50 0.97389 0.00059	7.80 0.96640 0.00062	7.70 0.97378 0.00064
8.55 0.97608 0.00059	7.85 0.97047 0.00062	7.75 0.97861 0.00063
8.60 0.97904 0.00058	7.90 0.97367 0.00060	7.80 0.98143 0.00061
8.65 0.98358 0.00059	7.95 0.97734 0.00061	7.85 0.98555 0.00063
8.70 0.98528 0.00057	8.00 0.97954 0.00061	7.90 0.98816 0.00059
8.75 0.98857 0.00058	8.05 0.98254 0.00063	7.95 0.99162 0.00062
8.80 0.99164 0.00059	8.10 0.98738 0.00061	8.00 0.99267 0.00060
8.85 0.99411 0.00058	8.15 0.98951 0.00063	8.05 0.99780 0.00060
8.90 0.99743 0.00057	8.20 0.99255 0.00060	8.10 0.99995 0.00060
8.95 0.99969 0.00056	8.25 0.99591 0.00061	8.15 1.00405 0.00061
9.00 1.00229 0.00057	8.30 0.99789 0.00063	8.20 1.00757 0.00064
9.05 1.00591 0.00058	8.35 1.00162 0.00061	
9.10 1.00928 0.00057	8.40 1.00532 0.00061	
	8.45 1.00817 0.00061	
	8.50 1.01115 0.00060	

150	200	350
6.80 0.92255 0.00061	6.80 0.92402 0.00060	6.90 0.92860 0.00063
6.85 0.92539 0.00065	6.85 0.92730 0.00063	6.95 0.93212 0.00063
6.90 0.92878 0.00061	6.90 0.92992 0.00061	7.00 0.93447 0.00064
6.95 0.93212 0.00062	6.95 0.93456 0.00066	7.05 0.93819 0.00063
7.00 0.93702 0.00064	7.00 0.93879 0.00066	7.10 0.94133 0.00062
7.05 0.93903 0.00062	7.05 0.94209 0.00061	7.15 0.94439 0.00062
7.10 0.94353 0.00064	7.10 0.94432 0.00062	7.20 0.94905 0.00063
7.15 0.94748 0.00063	7.15 0.94827 0.00063	7.25 0.95112 0.00062
7.20 0.95052 0.00062	7.20 0.95117 0.00062	7.30 0.95367 0.00062
7.25 0.95539 0.00061	7.25 0.95558 0.00063	7.35 0.95714 0.00065
7.30 0.95754 0.00065	7.30 0.95787 0.00063	7.40 0.95992 0.00065
7.35 0.95906 0.00061	7.35 0.96119 0.00062	7.45 0.96362 0.00063
7.40 0.96309 0.00061	7.40 0.96502 0.00062	7.50 0.96599 0.00063
7.45 0.96780 0.00059	7.45 0.96782 0.00062	7.55 0.96954 0.00065
7.50 0.97044 0.00064	7.50 0.97048 0.00063	7.60 0.97135 0.00064
7.55 0.97454 0.00063	7.55 0.97409 0.00067	7.65 0.97580 0.00062
7.60 0.97744 0.00062	7.60 0.97833 0.00064	7.70 0.97732 0.00063
7.65 0.98041 0.00062	7.65 0.98039 0.00061	7.75 0.98160 0.00066
7.70 0.98457 0.00061	7.70 0.98321 0.00064	7.80 0.98349 0.00063
7.75 0.98718 0.00065	7.75 0.98657 0.00064	7.85 0.98637 0.00064
7.80 0.98888 0.00065	7.80 0.98826 0.00063	7.90 0.98941 0.00062
7.85 0.99397 0.00064	7.85 0.99249 0.00064	7.95 0.99120 0.00067
7.90 0.99628 0.00063	7.90 0.99617 0.00066	8.00 0.99539 0.00064

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7.95 0.99888 0.00063	7.95 0.99930 0.00065	8.05 0.99746 0.00065
8.00 1.00290 0.00064	8.00 1.00154 0.00065	8.10 1.00076 0.00062
8.05 1.00535 0.00063	8.05 1.00507 0.00066	8.15 1.00228 0.00065
8.10 1.00875 0.00062	8.10 1.00740 0.00063	8.20 1.00572 0.00064
		8.25 1.00857 0.00062
		8.30 1.01120 0.00063

500	750	1000
6.80 0.92255 0.00060	6.70 0.92481 0.00062	6.40 0.91806 0.00062
6.90 0.92889 0.00062	6.80 0.93046 0.00061	6.45 0.92100 0.00060
7.00 0.93449 0.00063	6.90 0.93757 0.00062	6.50 0.92477 0.00062
7.10 0.94091 0.00060	7.00 0.94324 0.00063	6.55 0.92961 0.00059
7.20 0.94770 0.00062	7.10 0.94890 0.00060	6.60 0.93219 0.00062
7.30 0.95429 0.00062	7.20 0.95489 0.00060	6.65 0.93564 0.00062
7.40 0.95942 0.00064	7.30 0.96094 0.00061	6.70 0.93683 0.00063
7.50 0.96622 0.00063	7.40 0.96699 0.00063	6.75 0.94128 0.00063
7.60 0.97175 0.00063	7.50 0.97254 0.00064	6.80 0.94470 0.00063
7.70 0.97600 0.00064	7.60 0.97867 0.00063	6.85 0.94774 0.00062
7.80 0.98240 0.00060	7.70 0.98291 0.00061	6.90 0.94968 0.00064
7.90 0.98779 0.00062	7.80 0.98925 0.00061	6.95 0.95298 0.00060
8.00 0.99362 0.00067	7.90 0.99471 0.00062	7.00 0.95704 0.00061
8.10 0.99875 0.00065	8.00 1.00134 0.00063	7.05 0.96005 0.00059
8.20 1.00406 0.00064	8.10 1.00499 0.00061	7.10 0.96378 0.00063
8.30 1.00903 0.00062	8.20 1.01036 0.00062	7.15 0.96636 0.00060
8.40 1.01263 0.00062	8.30 1.01597 0.00063	7.20 0.96878 0.00064
8.50 1.01808 0.00064	8.40 1.02032 0.00063	7.25 0.97118 0.00061
8.60 1.02359 0.00062	8.50 1.02408 0.00059	7.30 0.97437 0.00064
8.70 1.02877 0.00064	8.60 1.03008 0.00061	7.35 0.97692 0.00062
8.80 1.03432 0.00065	8.70 1.03469 0.00061	7.40 0.98114 0.00060
8.90 1.03833 0.00066	8.80 1.04025 0.00066	7.45 0.98342 0.00063
9.00 1.04367 0.00063	8.90 1.04470 0.00062	7.50 0.98725 0.00061
9.10 1.04745 0.00063	9.00 1.04974 0.00063	7.55 0.98920 0.00062
9.20 1.05193 0.00065	9.10 1.05299 0.00064	7.60 0.99317 0.00062
9.30 1.05601 0.00065	9.20 1.05742 0.00065	7.65 0.99560 0.00060
9.40 1.06094 0.00061	9.30 1.06176 0.00065	7.70 0.99667 0.00062
9.50 1.06471 0.00061	9.40 1.06516 0.00059	7.75 1.00122 0.00061
9.60 1.06918 0.00063	9.50 1.07016 0.00064	7.80 1.00318 0.00060
9.70 1.07231 0.00065	9.60 1.07567 0.00062	7.85 1.00685 0.00062
9.80 1.07730 0.00064	9.70 1.07756 0.00060	7.90 1.00814 0.00061
9.90 1.08177 0.00065	9.80 1.08194 0.00064	7.95 1.01124 0.00062
10.00 1.08442 0.00064	9.90 1.08703 0.00064	8.00 1.01453 0.00061
	10.00 1.09075 0.00064	

1500	2000	2500
6.00 0.92375 0.00061	5.50 0.91831 0.00060	5.00 0.90616 0.00060
6.05 0.92601 0.00062	5.55 0.92309 0.00063	5.05 0.91232 0.00058
6.10 0.93012 0.00061	5.60 0.92654 0.00060	5.10 0.91625 0.00058
6.15 0.93318 0.00061	5.65 0.93121 0.00061	5.15 0.92143 0.00059
6.20 0.93794 0.00062	5.70 0.93456 0.00062	5.20 0.92645 0.00062
6.25 0.94196 0.00058	5.75 0.93850 0.00060	5.25 0.93018 0.00058
6.30 0.94416 0.00060	5.80 0.94290 0.00059	5.30 0.93515 0.00059
6.35 0.94870 0.00060	5.85 0.94698 0.00059	5.35 0.93937 0.00058
6.40 0.95183 0.00058	5.90 0.95053 0.00061	5.40 0.94480 0.00058

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6.45 0.95552 0.00065	5.95 0.95449 0.00061	5.45 0.94872 0.00062
6.50 0.95966 0.00060	6.00 0.95767 0.00061	5.50 0.95364 0.00059
6.55 0.96194 0.00061	6.05 0.96259 0.00062	5.55 0.95872 0.00062
6.60 0.96591 0.00058	6.10 0.96660 0.00061	5.60 0.96230 0.00060
6.65 0.96937 0.00061	6.15 0.97126 0.00060	5.65 0.96723 0.00058
6.70 0.97222 0.00060	6.20 0.97458 0.00060	5.70 0.97076 0.00060
6.75 0.97563 0.00062	6.25 0.97779 0.00059	5.75 0.97478 0.00059
6.80 0.97906 0.00062	6.30 0.98211 0.00060	5.80 0.97937 0.00061
6.85 0.98332 0.00059	6.35 0.98648 0.00061	5.85 0.98306 0.00058
6.90 0.98609 0.00060	6.40 0.98928 0.00061	5.90 0.98906 0.00060
6.95 0.98828 0.00062	6.45 0.99317 0.00059	5.95 0.99314 0.00061
7.00 0.99159 0.00061	6.50 0.99710 0.00057	6.00 0.99575 0.00060
7.05 0.99479 0.00060	6.55 1.00110 0.00061	6.05 1.00046 0.00059
7.10 0.99851 0.00061	6.60 1.00468 0.00062	6.10 1.00457 0.00060
7.15 1.00134 0.00060	6.65 1.00782 0.00061	6.15 1.00828 0.00060
7.20 1.00538 0.00064	6.70 1.01130 0.00063	6.20 1.01239 0.00060
7.25 1.00753 0.00062		
7.30 1.01117 0.00063		

3000	4000	5000
4.80 0.91911 0.00061	4.30 0.92130 0.00059	3.90 0.92268 0.00058
4.85 0.92412 0.00062	4.35 0.92882 0.00059	3.92 0.92544 0.00057
4.90 0.92873 0.00060	4.40 0.93405 0.00059	3.94 0.92772 0.00058
4.95 0.93420 0.00059	4.45 0.93984 0.00058	3.96 0.93025 0.00056
5.00 0.94018 0.00062	4.50 0.94569 0.00062	3.98 0.93373 0.00059
5.05 0.94504 0.00058	4.55 0.95256 0.00059	4.00 0.93719 0.00056
5.10 0.94975 0.00058	4.60 0.95910 0.00060	4.02 0.93910 0.00057
5.15 0.95506 0.00058	4.65 0.96420 0.00057	4.04 0.94143 0.00058
5.20 0.95895 0.00059	4.70 0.96995 0.00060	4.06 0.94550 0.00056
5.25 0.96414 0.00060	4.75 0.97630 0.00059	4.08 0.94735 0.00059
5.30 0.96836 0.00062	4.80 0.98125 0.00060	4.10 0.94905 0.00058
5.35 0.97400 0.00059	4.85 0.98747 0.00058	4.12 0.95155 0.00058
5.40 0.97938 0.00057	4.90 0.99230 0.00059	4.14 0.95572 0.00058
5.45 0.98508 0.00058	4.95 0.99844 0.00060	4.16 0.95790 0.00057
5.50 0.98743 0.00061	5.00 1.00344 0.00059	4.18 0.96169 0.00061
5.55 0.99334 0.00061	5.05 1.00974 0.00058	4.20 0.96424 0.00059
5.60 0.99764 0.00060	5.10 1.01530 0.00060	4.22 0.96656 0.00058
5.65 1.00269 0.00059		4.24 0.96899 0.00059
5.70 1.00711 0.00061		4.26 0.97176 0.00060
		4.28 0.97456 0.00060
		4.30 0.97711 0.00057
		4.32 0.98002 0.00060
		4.34 0.98265 0.00061
		4.36 0.98455 0.00060
		4.38 0.98707 0.00060
		4.40 0.98988 0.00059
		4.42 0.99413 0.00061
		4.44 0.99623 0.00061
		4.46 0.99869 0.00063
		4.48 1.00121 0.00058
		4.50 1.00369 0.00060
		4.52 1.00545 0.00059
		4.54 1.00889 0.00059
		4.56 1.00971 0.00058
		4.58 1.01445 0.00059
		4.60 1.01570 0.00060

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6000	7000	7500
3.60 0.92530 0.00058	3.30 0.91900 0.00058	3.20 0.92172 0.00060
3.62 0.92828 0.00059	3.32 0.92145 0.00056	3.22 0.92485 0.00059
3.64 0.93148 0.00061	3.34 0.92613 0.00055	3.24 0.92924 0.00058
3.66 0.93478 0.00056	3.36 0.92931 0.00059	3.26 0.93256 0.00055
3.68 0.93758 0.00057	3.38 0.93301 0.00059	3.28 0.93577 0.00059
3.70 0.94018 0.00060	3.40 0.93664 0.00059	3.30 0.93940 0.00058
3.72 0.94455 0.00059	3.42 0.93996 0.00060	3.32 0.94309 0.00058
3.74 0.94691 0.00059	3.44 0.94351 0.00058	3.34 0.94651 0.00059
3.76 0.95012 0.00056	3.46 0.94719 0.00060	3.36 0.95033 0.00059
3.78 0.95402 0.00057	3.48 0.95006 0.00059	3.38 0.95367 0.00060
3.80 0.95654 0.00060	3.50 0.95299 0.00060	3.40 0.95710 0.00059
3.82 0.95920 0.00059	3.52 0.95782 0.00059	3.42 0.96149 0.00058
3.84 0.96263 0.00059	3.54 0.96125 0.00057	3.44 0.96478 0.00057
3.86 0.96529 0.00059	3.56 0.96400 0.00058	3.46 0.96802 0.00057
3.88 0.96861 0.00056	3.58 0.96764 0.00059	3.48 0.97111 0.00060
3.90 0.97101 0.00059	3.60 0.97120 0.00057	3.50 0.97545 0.00057
3.92 0.97485 0.00059	3.62 0.97448 0.00058	3.52 0.97838 0.00057
3.94 0.97743 0.00060	3.64 0.97688 0.00059	3.54 0.98257 0.00058
3.96 0.98079 0.00059	3.66 0.98061 0.00061	3.56 0.98562 0.00060
3.98 0.98375 0.00059	3.68 0.98443 0.00058	3.58 0.98924 0.00058
4.00 0.98664 0.00059	3.70 0.98736 0.00058	3.60 0.99170 0.00059
4.02 0.98998 0.00061	3.72 0.99021 0.00056	3.62 0.99597 0.00059
4.04 0.99335 0.00059	3.74 0.99328 0.00055	3.64 0.99826 0.00058
4.06 0.99562 0.00058	3.76 0.99653 0.00058	3.66 1.00169 0.00060
4.08 0.99905 0.00060	3.78 0.99919 0.00059	3.68 1.00574 0.00061
4.10 1.00097 0.00058	3.80 1.00365 0.00060	3.70 1.00910 0.00060
4.12 1.00303 0.00058	3.82 1.00688 0.00060	
4.14 1.00748 0.00060	3.84 1.00901 0.00059	
4.16 1.00971 0.00058	3.86 1.01184 0.00059	
4.18 1.01181 0.00059	3.88 1.01673 0.00060	
4.20 1.01487 0.00059	3.90 1.01904 0.00062	
	3.92 1.02235 0.00060	
	3.94 1.02470 0.00059	
	3.96 1.02871 0.00060	
	3.98 1.03185 0.00060	
	4.00 1.03434 0.00059	

8000	9000	10000
3.00 0.90326 0.00058	2.90 0.92085 0.00055	2.70 0.91437 0.00055
3.02 0.90628 0.00058	2.92 0.92500 0.00057	2.72 0.91837 0.00058
3.04 0.91061 0.00056	2.94 0.92955 0.00057	2.74 0.92194 0.00057
3.06 0.91582 0.00057	2.96 0.93262 0.00058	2.76 0.92756 0.00057
3.08 0.91879 0.00057	2.98 0.93731 0.00058	2.78 0.93123 0.00057
3.10 0.92335 0.00058	3.00 0.94144 0.00056	2.80 0.93628 0.00056
3.12 0.92560 0.00058	3.02 0.94501 0.00058	2.82 0.93965 0.00058
3.14 0.93023 0.00057	3.04 0.94949 0.00058	2.84 0.94406 0.00057
3.16 0.93413 0.00056	3.06 0.95353 0.00059	2.86 0.94925 0.00058
3.18 0.93831 0.00059	3.08 0.95793 0.00056	2.88 0.95262 0.00058
3.20 0.94227 0.00056	3.10 0.96201 0.00057	2.90 0.95678 0.00058
3.22 0.94506 0.00058	3.12 0.96568 0.00056	2.92 0.96062 0.00058
3.24 0.94877 0.00056	3.14 0.96940 0.00059	2.94 0.96548 0.00059
3.26 0.95334 0.00059	3.16 0.97358 0.00057	2.96 0.96960 0.00058
3.28 0.95597 0.00056	3.18 0.97676 0.00058	2.98 0.97506 0.00059

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3.30	0.96053	0.00060	3.20	0.98038	0.00059	3.00	0.97927	0.00060
3.32	0.96405	0.00057	3.22	0.98477	0.00058	3.02	0.98281	0.00056
3.34	0.96790	0.00059	3.24	0.98881	0.00057	3.04	0.98665	0.00058
3.36	0.97160	0.00059	3.26	0.99303	0.00057	3.06	0.99203	0.00060
3.38	0.97467	0.00055	3.28	0.99755	0.00058	3.08	0.99542	0.00057
3.40	0.97887	0.00059	3.30	1.00123	0.00058	3.10	1.00053	0.00059
3.42	0.98202	0.00059	3.32	1.00416	0.00061	3.12	1.00343	0.00059
3.44	0.98597	0.00061	3.34	1.00832	0.00060	3.14	1.00788	0.00057
3.46	0.98923	0.00057	3.36	1.01240	0.00059	3.16	1.01166	0.00057
3.48	0.99314	0.00058	3.38	1.01527	0.00058	3.18	1.01554	0.00057
3.50	0.99616	0.00058	3.40	1.01950	0.00059	3.20	1.02106	0.00059
3.52	0.99948	0.00060						
3.54	1.00412	0.00061						
3.56	1.00659	0.00059						
3.58	1.01092	0.00058						
3.60	1.01503	0.00059						

15000	19600				
2.10	0.91636	0.00053	1.70	0.90486	0.00052
2.12	0.92150	0.00055	1.72	0.91260	0.00056
2.14	0.92829	0.00056	1.74	0.91939	0.00051
2.16	0.93406	0.00055	1.76	0.92747	0.00054
2.18	0.94011	0.00054	1.78	0.93433	0.00054
2.20	0.94572	0.00057	1.80	0.94129	0.00057
2.22	0.95128	0.00053	1.82	0.94893	0.00054
2.24	0.95690	0.00056	1.84	0.95557	0.00053
2.26	0.96327	0.00056	1.86	0.96363	0.00055
2.28	0.96814	0.00059	1.88	0.96991	0.00056
2.30	0.97459	0.00053	1.90	0.97802	0.00055
2.32	0.97926	0.00057	1.92	0.98458	0.00057
2.34	0.98515	0.00056	1.94	0.99194	0.00054
2.36	0.99042	0.00055	1.96	0.99919	0.00055
2.38	0.99644	0.00058	1.98	1.00517	0.00057
2.40	1.00205	0.00056	2.00	1.01289	0.00059
2.42	1.00646	0.00055			
2.44	1.01293	0.00055			
2.46	1.01876	0.00060			
2.48	1.02375	0.00057			
2.50	1.03025	0.00057			

## sumtable.pu-icyl-0900-00

10	13	15						
20.00	0.87852	0.00037	17.00	0.91940	0.00042	15.00	0.91379	0.00045
21.00	0.89201	0.00035	17.25	0.92511	0.00043	15.25	0.92197	0.00045
22.00	0.90551	0.00035	17.50	0.93168	0.00042	15.50	0.92890	0.00047
23.00	0.91776	0.00035	17.75	0.93749	0.00042	15.75	0.93672	0.00045
24.00	0.92859	0.00034	18.00	0.94229	0.00041	16.00	0.94438	0.00044
25.00	0.93821	0.00034	18.25	0.94749	0.00043	16.25	0.95101	0.00044
26.00	0.94707	0.00033	18.50	0.95253	0.00042	16.50	0.95780	0.00045
27.00	0.95434	0.00033	18.75	0.95718	0.00041	16.75	0.96300	0.00044
28.00	0.96173	0.00030	19.00	0.96186	0.00041	17.00	0.96993	0.00044
29.00	0.96842	0.00031	19.25	0.96702	0.00041	17.25	0.97628	0.00045
30.00	0.97557	0.00032	19.50	0.97071	0.00042	17.50	0.98200	0.00045

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31.00	0.98045	0.00030	19.75	0.97705	0.00040	17.75	0.98729	0.00045
32.00	0.98553	0.00029	20.00	0.97883	0.00041	18.00	0.99407	0.00044
33.00	0.99016	0.00030	20.25	0.98519	0.00041	18.25	0.99939	0.00045
34.00	0.99555	0.00030	20.50	0.98718	0.00042	18.50	1.00438	0.00045
35.00	0.99933	0.00029	20.75	0.99156	0.00038	18.75	1.01008	0.00044
36.00	1.00264	0.00027	21.00	0.99611	0.00040	19.00	1.01467	0.00044
37.00	1.00649	0.00028	21.25	1.00034	0.00039	19.25	1.01947	0.00043
38.00	1.01003	0.00029	21.50	1.00353	0.00037	19.50	1.02434	0.00044
39.00	1.01286	0.00027	21.75	1.00686	0.00038	19.75	1.02816	0.00043
40.00	1.01562	0.00027	22.00	1.01047	0.00039	20.00	1.03347	0.00041
41.00	1.01897	0.00027	22.25	1.01380	0.00039	20.25	1.03671	0.00043
42.00	1.02155	0.00026	22.50	1.01704	0.00038	20.50	1.04052	0.00043
43.00	1.02357	0.00026	22.75	1.01967	0.00039	20.75	1.04547	0.00042
44.00	1.02632	0.00026	23.00	1.02374	0.00037	21.00	1.04915	0.00041
45.00	1.02856	0.00025						
46.00	1.02876	0.00026						
47.00	1.03223	0.00025						
48.00	1.03393	0.00026						
49.00	1.03640	0.00025						
50.00	1.03736	0.00024						

18	20	22						
13.00	0.89495	0.00051	12.90	0.91979	0.00053	12.00	0.90178	0.00052
13.20	0.90391	0.00052	13.10	0.92968	0.00053	12.20	0.91152	0.00055
13.40	0.91357	0.00053	13.30	0.93766	0.00053	12.40	0.92130	0.00056
13.60	0.91983	0.00051	13.50	0.94557	0.00053	12.60	0.93069	0.00055
13.80	0.92848	0.00050	13.70	0.95473	0.00054	12.80	0.93976	0.00053
14.00	0.93537	0.00051	13.90	0.96213	0.00052	13.00	0.94787	0.00055
14.20	0.94332	0.00052	14.10	0.97029	0.00051	13.20	0.95879	0.00052
14.40	0.95015	0.00051	14.30	0.97735	0.00051	13.40	0.96652	0.00054
14.60	0.95812	0.00050	14.50	0.98420	0.00052	13.60	0.97534	0.00053
14.80	0.96477	0.00052	14.70	0.99235	0.00052	13.80	0.98442	0.00054
15.00	0.97105	0.00048	14.90	0.99833	0.00054	14.00	0.99129	0.00054
15.20	0.97743	0.00049	15.10	1.00547	0.00052	14.20	1.00079	0.00053
15.40	0.98476	0.00048	15.30	1.01310	0.00052	14.40	1.00809	0.00053
15.60	0.99040	0.00049	15.50	1.02005	0.00049	14.60	1.01479	0.00054
15.80	0.99662	0.00051	15.70	1.02548	0.00050	14.80	1.02112	0.00050
16.00	1.00216	0.00047	15.90	1.03027	0.00050	15.00	1.02881	0.00056
16.20	1.00804	0.00048	16.10	1.03703	0.00052	15.20	1.03525	0.00054
16.40	1.01388	0.00050	16.30	1.04333	0.00051	15.40	1.04157	0.00052
16.60	1.01940	0.00050	16.50	1.04882	0.00048	15.60	1.04948	0.00053
16.80	1.02519	0.00049	16.70	1.05438	0.00052	15.80	1.05516	0.00051
17.00	1.02910	0.00048	16.90	1.05937	0.00050	16.00	1.06210	0.00055
17.20	1.03564	0.00049	17.00	1.06257	0.00050			
17.40	1.04035	0.00048						
17.60	1.04431	0.00050						
17.80	1.04924	0.00046						
18.00	1.05403	0.00047						

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24	25	26
12.00 0.92249 0.00055	11.00 0.87463 0.00057	11.70 0.92402 0.00059
12.20 0.93198 0.00055	11.20 0.88663 0.00056	11.75 0.92668 0.00055
12.40 0.94241 0.00055	11.40 0.89764 0.00058	11.80 0.92911 0.00056
12.60 0.95205 0.00056	11.60 0.90994 0.00055	11.85 0.93242 0.00055
12.80 0.96256 0.00058	11.80 0.92053 0.00058	11.90 0.93494 0.00058
13.00 0.97229 0.00055	12.00 0.93160 0.00057	11.95 0.93774 0.00057
13.20 0.97964 0.00057	12.20 0.94162 0.00057	12.00 0.93931 0.00057
13.40 0.98918 0.00056	12.40 0.95237 0.00056	12.05 0.94238 0.00058
13.60 0.99760 0.00055	12.60 0.96192 0.00056	12.10 0.94581 0.00059
13.80 1.00599 0.00055	12.80 0.97083 0.00060	12.15 0.94919 0.00057
14.00 1.01384 0.00053	13.00 0.98185 0.00055	12.20 0.95116 0.00058
14.20 1.02213 0.00056	13.20 0.98917 0.00057	12.25 0.95258 0.00055
14.40 1.03046 0.00056	13.40 0.99848 0.00058	12.30 0.95572 0.00057
14.60 1.03592 0.00055	13.60 1.00785 0.00058	12.35 0.95794 0.00056
14.80 1.04346 0.00056	13.80 1.01441 0.00055	12.40 0.96075 0.00060
15.00 1.05024 0.00054	14.00 1.02327 0.00057	12.45 0.96362 0.00059
15.20 1.05844 0.00055	14.20 1.03117 0.00057	12.50 0.96517 0.00058
15.40 1.06464 0.00053	14.40 1.03905 0.00053	12.55 0.96753 0.00057
15.60 1.07075 0.00053	14.60 1.04626 0.00055	12.60 0.96987 0.00056
15.80 1.07767 0.00056	14.80 1.05418 0.00056	12.65 0.97326 0.00059
16.00 1.08270 0.00055	15.00 1.06136 0.00055	12.70 0.97503 0.00058
	15.20 1.06886 0.00054	12.75 0.97728 0.00056
	15.40 1.07522 0.00054	12.80 0.98059 0.00059
	15.60 1.08214 0.00053	12.85 0.98148 0.00056
	15.80 1.08870 0.00053	12.90 0.98520 0.00058
	16.00 1.09501 0.00055	12.95 0.98680 0.00057
		13.00 0.99000 0.00057
		13.05 0.99257 0.00056
		13.10 0.99388 0.00056
		13.15 0.99628 0.00057
		13.20 0.99934 0.00055
		13.25 1.00225 0.00057
		13.30 1.00413 0.00057

28	30	32
11.40 0.92243 0.00059	11.00 0.91146 0.00061	11.00 0.92341 0.00061
11.45 0.92574 0.00060	11.10 0.91821 0.00059	11.05 0.92734 0.00059
11.50 0.92840 0.00059	11.20 0.92463 0.00060	11.10 0.92987 0.00059
11.55 0.93074 0.00060	11.30 0.93064 0.00060	11.15 0.93291 0.00063
11.60 0.93256 0.00057	11.40 0.93601 0.00061	11.20 0.93676 0.00060
11.65 0.93618 0.00058	11.50 0.94201 0.00061	11.25 0.93959 0.00058
11.70 0.93961 0.00058	11.60 0.94755 0.00061	11.30 0.94342 0.00061
11.75 0.94168 0.00059	11.70 0.95395 0.00057	11.35 0.94504 0.00061
11.80 0.94486 0.00059	11.80 0.95920 0.00058	11.40 0.94758 0.00061
11.85 0.94748 0.00059	11.90 0.96371 0.00061	11.45 0.95181 0.00062
11.90 0.95003 0.00055	12.00 0.97003 0.00060	11.50 0.95360 0.00062
11.95 0.95258 0.00059	12.10 0.97557 0.00057	11.55 0.95778 0.00060
12.00 0.95608 0.00058	12.20 0.97963 0.00063	11.60 0.96051 0.00063
12.05 0.95857 0.00059	12.30 0.98581 0.00057	11.65 0.96288 0.00059
12.10 0.96239 0.00059	12.40 0.99059 0.00061	11.70 0.96477 0.00062
12.15 0.96294 0.00059	12.50 0.99663 0.00058	11.75 0.96757 0.00059
12.20 0.96638 0.00058	12.60 1.00034 0.00057	11.80 0.97115 0.00062
12.25 0.96920 0.00057	12.70 1.00661 0.00058	11.85 0.97394 0.00060
12.30 0.97190 0.00058	12.80 1.01138 0.00061	11.90 0.97676 0.00057
12.35 0.97512 0.00056	12.90 1.01506 0.00057	11.95 0.97837 0.00063
12.40 0.97755 0.00059	13.00 1.02082 0.00059	12.00 0.98243 0.00060
12.45 0.98059 0.00058		12.05 0.98457 0.00061

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12.50	0.98272	0.00059		12.10	0.98738	0.00060
12.55	0.98404	0.00058		12.15	0.99151	0.00059
12.60	0.98626	0.00057		12.20	0.99248	0.00060
12.65	0.98850	0.00057		12.25	0.99594	0.00062
12.70	0.99225	0.00059		12.30	0.99873	0.00060
12.75	0.99440	0.00059		12.35	1.00109	0.00057
12.80	0.99733	0.00059		12.40	1.00237	0.00062
12.85	0.99923	0.00056		12.45	1.00594	0.00062
12.90	1.00144	0.00059		12.50	1.00857	0.00061
12.95	1.00390	0.00057				
13.00	1.00542	0.00057				
13.05	1.00799	0.00059				
13.10	1.01227	0.00061				

36	40	45						
10.80	0.93184	0.00062	10.40	0.92027	0.00063	10.00	0.90548	0.00067
10.85	0.93398	0.00060	10.45	0.92384	0.00058	10.05	0.91006	0.00063
10.90	0.93798	0.00062	10.50	0.92633	0.00062	10.10	0.91459	0.00064
10.95	0.94187	0.00062	10.55	0.93043	0.00065	10.15	0.91706	0.00065
11.00	0.94297	0.00062	10.60	0.93326	0.00065	10.20	0.92055	0.00065
11.05	0.94701	0.00059	10.65	0.93656	0.00061	10.25	0.92465	0.00063
11.10	0.95073	0.00061	10.70	0.94075	0.00063	10.30	0.92837	0.00065
11.15	0.95309	0.00062	10.75	0.94338	0.00062	10.35	0.93133	0.00066
11.20	0.95576	0.00061	10.80	0.94700	0.00063	10.40	0.93538	0.00064
11.25	0.95814	0.00063	10.85	0.94991	0.00064	10.45	0.93878	0.00064
11.30	0.96288	0.00061	10.90	0.95298	0.00063	10.50	0.94217	0.00064
11.35	0.96563	0.00063	10.95	0.95687	0.00061	10.55	0.94429	0.00065
11.40	0.96691	0.00062	11.00	0.96012	0.00063	10.60	0.94814	0.00065
11.45	0.97125	0.00064	11.05	0.96270	0.00064	10.65	0.95227	0.00066
11.50	0.97483	0.00063	11.10	0.96597	0.00063	10.70	0.95598	0.00065
11.55	0.97718	0.00062	11.15	0.96950	0.00062	10.75	0.95931	0.00065
11.60	0.98066	0.00060	11.20	0.97201	0.00064	10.80	0.96314	0.00064
11.65	0.98304	0.00066	11.25	0.97619	0.00062	10.85	0.96448	0.00064
11.70	0.98464	0.00063	11.30	0.97900	0.00065	10.90	0.96851	0.00064
11.75	0.98957	0.00062	11.35	0.98157	0.00062	10.95	0.97251	0.00065
11.80	0.99254	0.00063	11.40	0.98429	0.00063	11.00	0.97496	0.00065
11.85	0.99530	0.00062	11.45	0.98809	0.00062	11.05	0.97770	0.00065
11.90	0.99740	0.00060	11.50	0.98998	0.00064	11.10	0.98127	0.00063
11.95	1.00007	0.00063	11.55	0.99407	0.00062	11.15	0.98455	0.00063
12.00	1.00182	0.00064	11.60	0.99662	0.00061	11.20	0.98700	0.00065
12.05	1.00580	0.00061	11.65	0.99875	0.00063	11.25	0.99199	0.00064
12.10	1.00909	0.00064	11.70	1.00143	0.00063	11.30	0.99358	0.00065
12.15	1.01064	0.00061	11.75	1.00459	0.00061	11.35	0.99956	0.00063
12.20	1.01295	0.00061	11.80	1.00782	0.00062	11.40	1.00087	0.00063
12.30	1.01874	0.00062	11.85	1.01111	0.00062	11.45	1.00311	0.00063
12.40	1.02463	0.00061	11.90	1.01397	0.00065	11.50	1.00801	0.00065
12.50	1.02869	0.00061	11.95	1.01739	0.00064			
12.60	1.03514	0.00062	12.00	1.01934	0.00064			
12.70	1.03951	0.00061						
12.80	1.04484	0.00063						
12.90	1.04973	0.00062						
13.00	1.05534	0.00064						

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50	75	100
10.00 0.91844 0.00064	9.60 0.91860 0.00072	9.40 0.91260 0.00069
10.05 0.92313 0.00065	9.65 0.92407 0.00068	9.45 0.91744 0.00070
10.10 0.92482 0.00066	9.70 0.92559 0.00069	9.50 0.92230 0.00069
10.15 0.92912 0.00071	9.75 0.93053 0.00068	9.55 0.92500 0.00071
10.20 0.93333 0.00068	9.80 0.93505 0.00068	9.60 0.92951 0.00070
10.25 0.93631 0.00065	9.85 0.93992 0.00068	9.65 0.93241 0.00073
10.30 0.94091 0.00066	9.90 0.94086 0.00070	9.70 0.93709 0.00070
10.35 0.94394 0.00066	9.95 0.94649 0.00070	9.75 0.94036 0.00067
10.40 0.94844 0.00064	10.00 0.95011 0.00067	9.80 0.94500 0.00067
10.45 0.94935 0.00062	10.05 0.95407 0.00069	9.85 0.94832 0.00069
10.50 0.95496 0.00063	10.10 0.95716 0.00069	9.90 0.95236 0.00068
10.55 0.95838 0.00067	10.15 0.96007 0.00066	9.95 0.95649 0.00072
10.60 0.95989 0.00067	10.20 0.96542 0.00067	10.00 0.95888 0.00070
10.65 0.96458 0.00065	10.25 0.96798 0.00066	10.05 0.96446 0.00070
10.70 0.96573 0.00065	10.30 0.97221 0.00069	10.10 0.96834 0.00067
10.75 0.97212 0.00065	10.35 0.97610 0.00068	10.15 0.97089 0.00070
10.80 0.97448 0.00066	10.40 0.97882 0.00068	10.20 0.97485 0.00072
10.85 0.97785 0.00067	10.45 0.98184 0.00069	10.25 0.97823 0.00067
10.90 0.97994 0.00066	10.50 0.98588 0.00070	10.30 0.98156 0.00068
10.95 0.98281 0.00068	10.55 0.98869 0.00071	10.35 0.98580 0.00070
11.00 0.98750 0.00063	10.60 0.99362 0.00070	10.40 0.98914 0.00071
11.05 0.98955 0.00068	10.65 0.99653 0.00069	10.45 0.99232 0.00071
11.10 0.99349 0.00066	10.70 0.99880 0.00071	10.50 0.99617 0.00069
11.15 0.99696 0.00064	10.75 1.00326 0.00069	10.55 0.99936 0.00070
11.20 0.99988 0.00066	10.80 1.00770 0.00069	10.60 1.00200 0.00070
11.25 1.00341 0.00062	10.85 1.00913 0.00069	10.65 1.00513 0.00072
11.30 1.00684 0.00067	10.90 1.01298 0.00072	10.70 1.00945 0.00069
11.35 1.00996 0.00064	10.95 1.01502 0.00071	10.75 1.01259 0.00068
11.40 1.01269 0.00063	11.00 1.01797 0.00069	10.80 1.01736 0.00071
		10.85 1.01992 0.00073
		10.90 1.02257 0.00070
		10.95 1.02632 0.00067
		11.00 1.02935 0.00069

150	200	350
9.50 0.92442 0.00072	9.50 0.92241 0.00069	9.60 0.92421 0.00069
9.55 0.92863 0.00069	9.55 0.92666 0.00069	9.65 0.92795 0.00070
9.60 0.93413 0.00072	9.60 0.93125 0.00070	9.70 0.93084 0.00068
9.65 0.93664 0.00070	9.65 0.93417 0.00070	9.75 0.93481 0.00070
9.70 0.94073 0.00071	9.70 0.93924 0.00070	9.80 0.93954 0.00068
9.75 0.94320 0.00069	9.75 0.94134 0.00071	9.85 0.94164 0.00070
9.80 0.94926 0.00070	9.80 0.94528 0.00067	9.90 0.94574 0.00069
9.85 0.95174 0.00069	9.85 0.94961 0.00070	9.95 0.94955 0.00071
9.90 0.95553 0.00069	9.90 0.95280 0.00069	10.00 0.95124 0.00069
9.95 0.95926 0.00072	9.95 0.95677 0.00069	10.05 0.95638 0.00069
10.00 0.96263 0.00070	10.00 0.96000 0.00070	10.10 0.95902 0.00070
10.05 0.96710 0.00070	10.05 0.96311 0.00070	10.15 0.96350 0.00070
10.10 0.97154 0.00071	10.10 0.96809 0.00070	10.20 0.96667 0.00068
10.15 0.97537 0.00072	10.15 0.97140 0.00070	10.25 0.96876 0.00072
10.20 0.97669 0.00071	10.20 0.97497 0.00072	10.30 0.97288 0.00069
10.25 0.98029 0.00068	10.25 0.97725 0.00069	10.35 0.97480 0.00069
10.30 0.98480 0.00069	10.30 0.98090 0.00069	10.40 0.97929 0.00067
10.35 0.98803 0.00069	10.35 0.98357 0.00070	10.45 0.98166 0.00069
10.40 0.99077 0.00069	10.40 0.98823 0.00069	10.50 0.98615 0.00069
10.45 0.99490 0.00067	10.45 0.98989 0.00070	10.55 0.98902 0.00070
10.50 0.99741 0.00073	10.50 0.99350 0.00070	10.60 0.99122 0.00067
10.55 1.00093 0.00070	10.55 0.99745 0.00070	10.65 0.99379 0.00072

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10.60 1.00487 0.00070	10.60 1.00094 0.00068	10.70 0.99564 0.00069
10.65 1.00872 0.00067	10.65 1.00416 0.00070	10.75 1.00040 0.00068
10.70 1.01224 0.00070	10.70 1.00747 0.00070	10.80 1.00373 0.00072
		10.85 1.00532 0.00069
		10.90 1.00919 0.00069
		10.95 1.01331 0.00069
		11.00 1.01572 0.00070

500	750	1000
9.60 0.92552 0.00067	9.40 0.92148 0.00067	9.00 0.91262 0.00066
9.65 0.92802 0.00070	9.45 0.92527 0.00067	9.10 0.91891 0.00066
9.70 0.93103 0.00069	9.50 0.92890 0.00065	9.20 0.92613 0.00066
9.75 0.93518 0.00069	9.55 0.93388 0.00068	9.30 0.93382 0.00067
9.80 0.93828 0.00067	9.60 0.93725 0.00068	9.40 0.94188 0.00065
9.85 0.94200 0.00069	9.65 0.94070 0.00067	9.50 0.94881 0.00065
9.90 0.94517 0.00068	9.70 0.94243 0.00067	9.60 0.95342 0.00065
9.95 0.94810 0.00070	9.75 0.94640 0.00071	9.70 0.96129 0.00066
10.00 0.95125 0.00070	9.80 0.95076 0.00070	9.80 0.96794 0.00064
10.05 0.95552 0.00071	9.85 0.95372 0.00068	9.90 0.97473 0.00067
10.10 0.96009 0.00066	9.90 0.95517 0.00066	10.00 0.98083 0.00066
10.15 0.96220 0.00068	9.95 0.96051 0.00069	10.10 0.98617 0.00066
10.20 0.96573 0.00069	10.00 0.96229 0.00069	10.20 0.99484 0.00063
10.25 0.96793 0.00067	10.05 0.96616 0.00066	10.30 0.99949 0.00066
10.30 0.97288 0.00068	10.10 0.96864 0.00068	10.40 1.00664 0.00065
10.35 0.97510 0.00066	10.15 0.97294 0.00068	10.50 1.01229 0.00066
10.40 0.97807 0.00071	10.20 0.97656 0.00069	10.60 1.01865 0.00064
10.45 0.98197 0.00064	10.25 0.97850 0.00066	10.70 1.02371 0.00067
10.50 0.98518 0.00068	10.30 0.98109 0.00067	10.80 1.03053 0.00066
10.55 0.98561 0.00070	10.35 0.98459 0.00070	10.90 1.03659 0.00070
10.60 0.99110 0.00067	10.40 0.98831 0.00070	11.00 1.04107 0.00065
10.65 0.99399 0.00069	10.45 0.99136 0.00067	
10.70 0.99607 0.00070	10.50 0.99434 0.00068	
10.75 1.00008 0.00069	10.55 0.99772 0.00066	
10.80 1.00199 0.00067	10.60 1.00150 0.00067	
10.85 1.00600 0.00067	10.65 1.00359 0.00065	
10.90 1.00815 0.00068	10.70 1.00537 0.00069	
10.95 1.01048 0.00068	10.75 1.01009 0.00067	
11.00 1.01466 0.00069	10.80 1.01298 0.00068	
	10.85 1.01591 0.00068	
	10.90 1.01686 0.00067	
	10.95 1.02152 0.00069	
	11.00 1.02368 0.00069	

1500	2000	2500
8.50 0.91699 0.00066	8.00 0.91894 0.00065	7.50 0.91633 0.00062
8.55 0.92101 0.00066	8.05 0.92469 0.00061	7.55 0.92266 0.00061
8.60 0.92455 0.00066	8.10 0.92885 0.00063	7.60 0.92748 0.00062
8.65 0.92933 0.00065	8.15 0.93350 0.00064	7.65 0.93239 0.00062
8.70 0.93209 0.00065	8.20 0.93797 0.00063	7.70 0.93654 0.00061
8.75 0.93507 0.00065	8.25 0.94138 0.00065	7.75 0.94242 0.00061
8.80 0.94016 0.00063	8.30 0.94416 0.00067	7.80 0.94556 0.00062
8.85 0.94567 0.00064	8.35 0.95109 0.00063	7.85 0.95062 0.00063
8.90 0.94887 0.00065	8.40 0.95418 0.00066	7.90 0.95705 0.00066

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8.95	0.95132	0.00065	8.45	0.95852	0.00066	7.95	0.96071	0.00061
9.00	0.95559	0.00064	8.50	0.96277	0.00063	8.00	0.96540	0.00063
9.05	0.95901	0.00061	8.55	0.96705	0.00064	8.05	0.97063	0.00065
9.10	0.96330	0.00065	8.60	0.97134	0.00064	8.10	0.97453	0.00065
9.15	0.96659	0.00065	8.65	0.97555	0.00063	8.15	0.98021	0.00064
9.20	0.96909	0.00064	8.70	0.97926	0.00064	8.20	0.98321	0.00061
9.25	0.97439	0.00066	8.75	0.98312	0.00066	8.25	0.98708	0.00062
9.30	0.97796	0.00065	8.80	0.98717	0.00064	8.30	0.99305	0.00063
9.35	0.98134	0.00063	8.85	0.99079	0.00067	8.35	0.99622	0.00064
9.40	0.98542	0.00066	8.90	0.99588	0.00063	8.40	1.00007	0.00064
9.45	0.98842	0.00067	8.95	0.99876	0.00064	8.45	1.00518	0.00065
9.50	0.99079	0.00063	9.00	1.00345	0.00064	8.50	1.00883	0.00064
9.55	0.99556	0.00065	9.05	1.00679	0.00063			
9.60	0.99930	0.00070	9.10	1.01053	0.00065			
9.65	1.00251	0.00065						
9.70	1.00509	0.00065						
9.75	1.01055	0.00068						
9.80	1.01275	0.00064						
9.85	1.01575	0.00065						
9.90	1.01853	0.00065						
9.95	1.02227	0.00067						
10.00	1.02653	0.00065						

3000	4000	5000						
7.00	0.90846	0.00061	6.40	0.91917	0.00059	5.90	0.92512	0.00056
7.05	0.91501	0.00061	6.42	0.92086	0.00062	5.92	0.92792	0.00059
7.10	0.91920	0.00061	6.44	0.92463	0.00061	5.94	0.93061	0.00058
7.15	0.92545	0.00061	6.46	0.92664	0.00061	5.96	0.93351	0.00059
7.20	0.93023	0.00060	6.48	0.92927	0.00061	5.98	0.93629	0.00060
7.25	0.93607	0.00060	6.50	0.93019	0.00058	6.00	0.93978	0.00058
7.30	0.93977	0.00066	6.52	0.93438	0.00059	6.02	0.94202	0.00059
7.35	0.94596	0.00062	6.54	0.93629	0.00061	6.04	0.94379	0.00060
7.40	0.95064	0.00061	6.56	0.93850	0.00060	6.06	0.94678	0.00057
7.45	0.95622	0.00059	6.58	0.94114	0.00059	6.08	0.94982	0.00057
7.50	0.96113	0.00063	6.60	0.94422	0.00061	6.10	0.95190	0.00058
7.55	0.96717	0.00060	6.62	0.94637	0.00060	6.12	0.95535	0.00057
7.60	0.97053	0.00064	6.64	0.94855	0.00060	6.14	0.95843	0.00059
7.65	0.97623	0.00061	6.66	0.95047	0.00058	6.16	0.96129	0.00059
7.70	0.98051	0.00063	6.68	0.95360	0.00059	6.18	0.96282	0.00059
7.75	0.98576	0.00061	6.70	0.95527	0.00063	6.20	0.96519	0.00059
7.80	0.99133	0.00061	6.72	0.95750	0.00061	6.22	0.96891	0.00056
7.85	0.99598	0.00061	6.74	0.96030	0.00060	6.24	0.97094	0.00057
7.90	0.99984	0.00063	6.76	0.96204	0.00060	6.26	0.97246	0.00061
7.95	1.00336	0.00062	6.78	0.96466	0.00060	6.28	0.97575	0.00060
8.00	1.00895	0.00063	6.80	0.96628	0.00062	6.30	0.97929	0.00058
			6.82	0.96940	0.00058	6.32	0.98191	0.00058
			6.84	0.97115	0.00060	6.34	0.98409	0.00059
			6.86	0.97380	0.00061	6.36	0.98608	0.00059
			6.88	0.97540	0.00060	6.38	0.98898	0.00060
			6.90	0.97824	0.00059	6.40	0.99188	0.00061
			6.92	0.98079	0.00061	6.42	0.99396	0.00061
			6.94	0.98434	0.00060	6.44	0.99669	0.00059
			6.96	0.98588	0.00061	6.46	0.99783	0.00061
			6.98	0.98797	0.00061	6.48	1.00257	0.00061
			7.00	0.98975	0.00059	6.50	1.00472	0.00061
			7.02	0.99252	0.00061	6.52	1.00631	0.00058
			7.04	0.99437	0.00061	6.54	1.00951	0.00060
			7.06	0.99707	0.00062	6.56	1.01177	0.00059

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7.08 0.99912 0.00062	6.58 1.01428 0.00059
7.10 1.00147 0.00064	6.60 1.01602 0.00061
7.12 1.00354 0.00060	
7.14 1.00470 0.00060	
7.16 1.00721 0.00059	
7.18 1.00901 0.00063	
7.20 1.01198 0.00064	

6000	7000	7500
5.40 0.91875 0.00054	5.00 0.91283 0.00055	4.80 0.90800 0.00053
5.42 0.91962 0.00055	5.02 0.91681 0.00057	4.82 0.91114 0.00051
5.44 0.92374 0.00055	5.04 0.92062 0.00053	4.84 0.91498 0.00051
5.46 0.92751 0.00056	5.06 0.92307 0.00053	4.86 0.91770 0.00054
5.48 0.93079 0.00057	5.08 0.92622 0.00054	4.88 0.92116 0.00053
5.50 0.93205 0.00057	5.10 0.92991 0.00053	4.90 0.92548 0.00054
5.52 0.93642 0.00059	5.12 0.93358 0.00053	4.92 0.92739 0.00053
5.54 0.93919 0.00057	5.14 0.93617 0.00053	4.94 0.93250 0.00053
5.56 0.94183 0.00058	5.16 0.94005 0.00056	4.96 0.93541 0.00053
5.58 0.94554 0.00058	5.18 0.94355 0.00056	4.98 0.93892 0.00054
5.60 0.94748 0.00058	5.20 0.94671 0.00052	5.00 0.94199 0.00054
5.62 0.95000 0.00054	5.22 0.95048 0.00056	5.02 0.94577 0.00054
5.64 0.95357 0.00056	5.24 0.95366 0.00055	5.04 0.94853 0.00055
5.66 0.95582 0.00057	5.26 0.95593 0.00055	5.06 0.95169 0.00054
5.68 0.96027 0.00055	5.28 0.95902 0.00055	5.08 0.95506 0.00056
5.70 0.96247 0.00058	5.30 0.96237 0.00055	5.10 0.95766 0.00052
5.72 0.96556 0.00057	5.32 0.96566 0.00054	5.12 0.96233 0.00056
5.74 0.96737 0.00056	5.34 0.96789 0.00056	5.14 0.96427 0.00055
5.76 0.97145 0.00058	5.36 0.97002 0.00054	5.16 0.96875 0.00054
5.78 0.97416 0.00056	5.38 0.97481 0.00055	5.18 0.97094 0.00054
5.80 0.97713 0.00057	5.40 0.97749 0.00054	5.20 0.97456 0.00056
5.82 0.97959 0.00057	5.42 0.98146 0.00057	5.22 0.97753 0.00055
5.84 0.98312 0.00059	5.44 0.98359 0.00058	5.24 0.98109 0.00054
5.86 0.98522 0.00056	5.46 0.98779 0.00057	5.26 0.98462 0.00055
5.88 0.98930 0.00058	5.48 0.99021 0.00055	5.28 0.98749 0.00055
5.90 0.99102 0.00058	5.50 0.99420 0.00057	5.30 0.99089 0.00054
5.92 0.99396 0.00056	5.52 0.99611 0.00057	5.32 0.99491 0.00053
5.94 0.99653 0.00059	5.54 1.00000 0.00055	5.34 0.99713 0.00058
5.96 0.99935 0.00057	5.56 1.00205 0.00058	5.36 1.00052 0.00056
5.98 1.00252 0.00059	5.58 1.00525 0.00056	5.38 1.00385 0.00058
6.00 1.00540 0.00059	5.60 1.00949 0.00056	5.40 1.00690 0.00055
6.02 1.00795 0.00056	5.62 1.01228 0.00055	5.42 1.01050 0.00057
6.04 1.01153 0.00057	5.64 1.01458 0.00055	5.44 1.01345 0.00055
6.06 1.01402 0.00058	5.66 1.01924 0.00058	5.46 1.01576 0.00058
6.08 1.01568 0.00058	5.68 1.02058 0.00057	5.48 1.01976 0.00056
6.10 1.01911 0.00059	5.70 1.02455 0.00056	5.50 1.02212 0.00058

8000	9000	10000
4.70 0.91778 0.00051	4.40 0.91463 0.00049	4.10 0.90611 0.00047
4.72 0.92148 0.00053	4.42 0.91825 0.00050	4.12 0.91058 0.00047
4.74 0.92487 0.00053	4.44 0.92292 0.00051	4.14 0.91458 0.00047
4.76 0.92824 0.00052	4.46 0.92560 0.00052	4.16 0.91809 0.00049
4.78 0.93158 0.00054	4.48 0.92943 0.00050	4.18 0.92153 0.00049
4.80 0.93478 0.00052	4.50 0.93297 0.00051	4.20 0.92621 0.00047

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4.82 0.93888 0.00054	4.52 0.93699 0.00050	4.22 0.92976 0.00048
4.84 0.94188 0.00052	4.54 0.94125 0.00051	4.24 0.93428 0.00048
4.86 0.94529 0.00054	4.56 0.94334 0.00051	4.26 0.93781 0.00049
4.88 0.94877 0.00054	4.58 0.94792 0.00049	4.28 0.94077 0.00048
4.90 0.95287 0.00051	4.60 0.95178 0.00051	4.30 0.94602 0.00050
4.92 0.95592 0.00054	4.62 0.95457 0.00048	4.32 0.94815 0.00047
4.94 0.95998 0.00053	4.64 0.95931 0.00050	4.34 0.95312 0.00050
4.96 0.96256 0.00052	4.66 0.96195 0.00053	4.36 0.95659 0.00050
4.98 0.96569 0.00055	4.68 0.96652 0.00050	4.38 0.96195 0.00049
5.00 0.96985 0.00053	4.70 0.97091 0.00052	4.40 0.96526 0.00049
5.02 0.97255 0.00054	4.72 0.97365 0.00054	4.42 0.96831 0.00049
5.04 0.97603 0.00052	4.74 0.97653 0.00054	4.44 0.97287 0.00050
5.06 0.97894 0.00053	4.76 0.98188 0.00053	4.46 0.97692 0.00052
5.08 0.98356 0.00055	4.78 0.98547 0.00052	4.48 0.98016 0.00052
5.10 0.98683 0.00055	4.80 0.98795 0.00052	4.50 0.98473 0.00049
5.12 0.99058 0.00053	4.82 0.99123 0.00054	4.52 0.98756 0.00049
5.14 0.99353 0.00055	4.84 0.99557 0.00054	4.54 0.99129 0.00050
5.16 0.99502 0.00052	4.86 0.99908 0.00052	4.56 0.99433 0.00051
5.18 0.99892 0.00054	4.88 1.00211 0.00054	4.58 0.99895 0.00053
5.20 1.00385 0.00057	4.90 1.00560 0.00054	4.60 1.00354 0.00051
5.22 1.00651 0.00054	4.92 1.00879 0.00054	4.62 1.00641 0.00050
5.24 1.01059 0.00055	4.94 1.01256 0.00054	4.64 1.01070 0.00051
5.26 1.01244 0.00054	4.96 1.01660 0.00051	4.66 1.01352 0.00052
5.28 1.01583 0.00055	4.98 1.01929 0.00052	4.68 1.01820 0.00050
5.30 1.02030 0.00054	5.00 1.02434 0.00053	4.70 1.02134 0.00052

15000	19600
3.10 0.90412 0.00042	2.50 0.91740 0.00041
3.12 0.90957 0.00041	2.52 0.92361 0.00042
3.14 0.91359 0.00042	2.54 0.92873 0.00042
3.16 0.91933 0.00043	2.56 0.93553 0.00042
3.18 0.92462 0.00043	2.58 0.94069 0.00042
3.20 0.92964 0.00041	2.60 0.94697 0.00042
3.22 0.93378 0.00044	2.62 0.95409 0.00044
3.24 0.94008 0.00044	2.64 0.95906 0.00043
3.26 0.94466 0.00045	2.66 0.96558 0.00042
3.28 0.94749 0.00043	2.68 0.97120 0.00045
3.30 0.95393 0.00044	2.70 0.97684 0.00044
3.32 0.95917 0.00045	2.72 0.98252 0.00044
3.34 0.96350 0.00043	2.74 0.98781 0.00045
3.36 0.96826 0.00043	2.76 0.99447 0.00044
3.38 0.97334 0.00044	2.78 1.00042 0.00045
3.40 0.97758 0.00045	2.80 1.00675 0.00046
3.42 0.98351 0.00045	2.82 1.01159 0.00045
3.44 0.98790 0.00045	2.84 1.01748 0.00044
3.46 0.99182 0.00047	2.86 1.02337 0.00044
3.48 0.99715 0.00045	2.88 1.02878 0.00046
3.50 1.00225 0.00046	2.90 1.03466 0.00043
3.52 1.00695 0.00044	
3.54 1.01159 0.00046	
3.56 1.01512 0.00047	
3.58 1.02124 0.00046	
3.60 1.02553 0.00048	

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	10	13	15
20.00	0.89864	0.00035	13.00 0.89777 0.00045
22.50	0.92835	0.00033	13.25 0.90643 0.00045
23.00	0.93355	0.00031	13.50 0.91452 0.00043
23.50	0.93713	0.00032	13.75 0.92127 0.00044
24.00	0.94298	0.00032	14.00 0.92906 0.00045
24.50	0.94762	0.00030	14.25 0.93704 0.00044
25.00	0.95051	0.00030	14.50 0.94509 0.00044
25.50	0.95480	0.00031	14.75 0.95167 0.00043
26.00	0.95815	0.00031	15.00 0.95717 0.00043
26.50	0.96292	0.00031	15.25 0.96563 0.00044
27.00	0.96571	0.00031	15.50 0.97163 0.00043
27.50	0.96921	0.00030	15.75 0.97703 0.00043
28.00	0.97235	0.00031	16.00 0.98185 0.00042
28.50	0.97413	0.00031	16.25 0.98775 0.00044
29.00	0.97794	0.00030	16.50 0.99453 0.00043
29.50	0.98150	0.00030	16.75 1.00026 0.00043
30.00	0.98340	0.00031	17.00 1.00445 0.00043
30.50	0.98614	0.00029	17.25 1.00909 0.00043
31.00	0.98773	0.00028	17.50 1.01455 0.00042
31.50	0.99065	0.00030	17.75 1.01887 0.00041
32.00	0.99302	0.00029	18.00 1.02450 0.00040
32.50	0.99624	0.00028	18.25 1.02880 0.00042
33.00	0.99745	0.00028	18.50 1.03395 0.00041
33.50	0.99923	0.00028	18.75 1.03789 0.00042
34.00	1.00141	0.00029	19.00 1.04186 0.00042
34.50	1.00281	0.00028	19.25 1.04608 0.00041
35.00	1.00528	0.00028	19.50 1.05066 0.00043
37.50	1.01434	0.00028	19.75 1.05292 0.00039
40.00	1.02008	0.00026	20.00 1.05776 0.00041
42.50	1.02588	0.00026	
45.00	1.03162	0.00024	
47.50	1.03570	0.00024	
50.00	1.03947	0.00024	
52.50	1.04280	0.00022	
55.00	1.04588	0.00022	
57.50	1.04862	0.00023	
60.00	1.05044	0.00022	

	18	20	22
12.00	0.91714	0.00050	11.00 0.92623 0.00052
12.20	0.92484	0.00049	11.25 0.93546 0.00054
12.40	0.93239	0.00051	11.50 0.94570 0.00052
12.60	0.93945	0.00049	11.75 0.95424 0.00053
12.80	0.94732	0.00048	12.00 0.96358 0.00051
13.00	0.95544	0.00047	12.25 0.97184 0.00052
13.20	0.96184	0.00049	12.50 0.98079 0.00052
13.40	0.96769	0.00048	12.75 0.98856 0.00053
13.60	0.97548	0.00048	13.00 0.99636 0.00051
13.80	0.98131	0.00049	13.25 1.00491 0.00052
14.00	0.98869	0.00047	13.50 1.01143 0.00053
14.20	0.99397	0.00047	13.75 1.01852 0.00052
14.40	1.00005	0.00046	14.00 1.02470 0.00052
14.60	1.00625	0.00049	14.25 1.03257 0.00051
14.80	1.01289	0.00048	14.50 1.03992 0.00052
15.00	1.01728	0.00047	14.75 1.04666 0.00050

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15.20	1.02208	0.00047	15.00	1.04948	0.00049	14.20	1.05314	0.00051
15.40	1.02813	0.00048	15.25	1.05583	0.00047	14.40	1.05901	0.00051
15.60	1.03277	0.00045	15.50	1.06292	0.00048	14.60	1.06434	0.00049
15.80	1.03838	0.00045	15.75	1.06961	0.00050	14.80	1.07133	0.00052
16.00	1.04307	0.00048	16.00	1.07500	0.00047	15.00	1.07648	0.00048

24	25	26						
10.00	0.89524	0.00056	10.00	0.90535	0.00056	10.00	0.91403	0.00055
10.20	0.90618	0.00055	10.20	0.91633	0.00055	10.20	0.92414	0.00057
10.40	0.91764	0.00056	10.40	0.92733	0.00055	10.40	0.93681	0.00056
10.60	0.92850	0.00054	10.60	0.93678	0.00054	10.60	0.94686	0.00053
10.80	0.93900	0.00052	10.80	0.94841	0.00055	10.80	0.95658	0.00056
11.00	0.94808	0.00054	11.00	0.95822	0.00054	11.00	0.96652	0.00056
11.20	0.95845	0.00053	11.20	0.96765	0.00056	11.20	0.97721	0.00055
11.40	0.96756	0.00054	11.40	0.97655	0.00053	11.40	0.98549	0.00057
11.60	0.97699	0.00053	11.60	0.98719	0.00052	11.60	0.99606	0.00055
11.80	0.98548	0.00053	11.80	0.99531	0.00053	11.80	1.00485	0.00054
12.00	0.99430	0.00052	12.00	1.00394	0.00053	12.00	1.01435	0.00057
12.20	1.00267	0.00054	12.20	1.01300	0.00055	12.20	1.02305	0.00055
12.40	1.01159	0.00054	12.40	1.02004	0.00053	12.40	1.03079	0.00054
12.60	1.01882	0.00055	12.60	1.02797	0.00054	12.60	1.03846	0.00056
12.80	1.02639	0.00052	12.80	1.03658	0.00056	12.80	1.04567	0.00050
13.00	1.03430	0.00055	13.00	1.04466	0.00052	13.00	1.05386	0.00053
13.20	1.04050	0.00052	13.20	1.05117	0.00052	13.20	1.06221	0.00055
13.40	1.04892	0.00052	13.40	1.05837	0.00054	13.40	1.06825	0.00056
13.60	1.05563	0.00051	13.60	1.06492	0.00054	13.60	1.07569	0.00055
13.80	1.06155	0.00053	13.80	1.07342	0.00053	13.80	1.08259	0.00056
14.00	1.07016	0.00054	14.00	1.08014	0.00054	14.00	1.08878	0.00054

28	30	32						
9.90	0.92415	0.00056	9.60	0.91984	0.00059	9.00	0.89325	0.00058
9.95	0.92699	0.00054	9.80	0.93273	0.00057	9.20	0.90615	0.00056
10.00	0.92900	0.00054	10.00	0.94325	0.00058	9.40	0.91860	0.00059
10.05	0.93182	0.00056	10.20	0.95413	0.00058	9.60	0.93185	0.00058
10.10	0.93530	0.00058	10.40	0.96689	0.00057	9.80	0.94393	0.00061
10.15	0.93729	0.00056	10.60	0.97701	0.00058	10.00	0.95520	0.00059
10.20	0.94124	0.00055	10.80	0.98687	0.00058	10.20	0.96795	0.00060
10.25	0.94395	0.00057	11.00	0.99683	0.00059	10.40	0.97810	0.00059
10.30	0.94633	0.00056	11.20	1.00708	0.00058	10.60	0.98975	0.00057
10.35	0.95028	0.00056	11.40	1.01864	0.00058	10.80	1.00027	0.00059
10.40	0.95248	0.00057	11.60	1.02586	0.00058	11.00	1.01099	0.00058
10.45	0.95593	0.00057	11.80	1.03678	0.00056	11.20	1.02094	0.00059
10.50	0.95720	0.00057	12.00	1.04477	0.00057	11.40	1.03022	0.00060
10.55	0.95995	0.00056	12.20	1.05293	0.00057	11.60	1.03997	0.00055
10.60	0.96280	0.00056	12.40	1.06175	0.00054	11.80	1.04846	0.00057
10.65	0.96603	0.00059	12.60	1.07052	0.00056	12.00	1.05844	0.00057
10.70	0.96721	0.00056	12.80	1.07774	0.00057	12.20	1.06663	0.00056
10.75	0.97034	0.00056	13.00	1.08696	0.00056	12.40	1.07509	0.00058
10.80	0.97299	0.00056				12.60	1.08327	0.00059
10.85	0.97597	0.00056				12.80	1.09125	0.00056
10.90	0.97802	0.00055				13.00	1.09885	0.00057
10.95	0.97996	0.00056						
11.00	0.98325	0.00056						

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11.05	0.98703	0.00055
11.10	0.98760	0.00057
11.15	0.99113	0.00056
11.20	0.99187	0.00058
11.25	0.99627	0.00055
11.30	0.99719	0.00056
11.35	1.00122	0.00057
11.40	1.00259	0.00055
11.45	1.00507	0.00055
11.50	1.00830	0.00055

36	40	45
9.00 0.91200 0.00060	8.90 0.92118 0.00060	8.70 0.92360 0.00063
9.10 0.91985 0.00058	9.10 0.93503 0.00061	8.75 0.92645 0.00061
9.20 0.92588 0.00060	9.30 0.94857 0.00061	8.80 0.93097 0.00063
9.30 0.93300 0.00063	9.50 0.96259 0.00059	8.85 0.93464 0.00060
9.40 0.93853 0.00060	9.70 0.97533 0.00060	8.90 0.93815 0.00060
9.50 0.94507 0.00060	9.90 0.98628 0.00060	8.95 0.94072 0.00061
9.60 0.95170 0.00062	10.10 0.99923 0.00059	9.00 0.94523 0.00062
9.70 0.95849 0.00057	10.30 1.01060 0.00061	9.05 0.94869 0.00060
9.80 0.96454 0.00060	10.50 1.02143 0.00062	9.10 0.95102 0.00063
9.90 0.97066 0.00058	10.70 1.03269 0.00060	9.15 0.95493 0.00062
10.00 0.97641 0.00059	10.90 1.04131 0.00062	9.20 0.95776 0.00061
10.10 0.98262 0.00060	11.10 1.05273 0.00060	9.25 0.96140 0.00061
10.20 0.98759 0.00058	11.30 1.06380 0.00061	9.30 0.96407 0.00062
10.30 0.99418 0.00059	11.50 1.07389 0.00060	9.35 0.96768 0.00062
10.40 0.99847 0.00060	11.70 1.08305 0.00061	9.40 0.97135 0.00063
10.50 1.00666 0.00058	11.90 1.09195 0.00060	9.45 0.97450 0.00063
10.60 1.00994 0.00058	12.00 1.09623 0.00060	9.50 0.97819 0.00062
10.70 1.01606 0.00059		9.55 0.98080 0.00061
10.80 1.02032 0.00059		9.60 0.98417 0.00059
10.90 1.02624 0.00059		9.65 0.98678 0.00061
11.00 1.03211 0.00061		9.70 0.99125 0.00062
		9.75 0.99443 0.00065
		9.80 0.99629 0.00064
		9.85 1.00059 0.00061
		9.90 1.00274 0.00064
		9.95 1.00492 0.00062
		10.00 1.00855 0.00061

50	75	100
8.50 0.92159 0.00062	8.00 0.91549 0.00065	7.90 0.91965 0.00067
8.55 0.92423 0.00062	8.05 0.91958 0.00066	7.95 0.92347 0.00066
8.60 0.92804 0.00061	8.10 0.92305 0.00067	8.00 0.92701 0.00068
8.65 0.93138 0.00061	8.15 0.92807 0.00067	8.05 0.93141 0.00067
8.70 0.93534 0.00063	8.20 0.93185 0.00065	8.10 0.93529 0.00067
8.75 0.93889 0.00062	8.25 0.93600 0.00066	8.15 0.93995 0.00066
8.80 0.94411 0.00064	8.30 0.93932 0.00066	8.20 0.94262 0.00070
8.85 0.94650 0.00062	8.35 0.94234 0.00064	8.25 0.94626 0.00067
8.90 0.94892 0.00064	8.40 0.94714 0.00065	8.30 0.95041 0.00068
8.95 0.95319 0.00064	8.45 0.95052 0.00065	8.35 0.95424 0.00069
9.00 0.95668 0.00064	8.50 0.95362 0.00065	8.40 0.95756 0.00065
9.05 0.96109 0.00064	8.55 0.95697 0.00067	8.45 0.96054 0.00066

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9.10	0.96472	0.00065	8.60	0.96121	0.00066	8.50	0.96540	0.00069
9.15	0.96766	0.00063	8.65	0.96417	0.00067	8.55	0.96926	0.00071
9.20	0.97192	0.00063	8.70	0.96852	0.00066	8.60	0.97323	0.00066
9.25	0.97486	0.00063	8.75	0.97359	0.00067	8.65	0.97588	0.00068
9.30	0.97759	0.00062	8.80	0.97644	0.00067	8.70	0.97928	0.00066
9.35	0.98003	0.00063	8.85	0.97985	0.00068	8.75	0.98259	0.00065
9.40	0.98378	0.00063	8.90	0.98275	0.00065	8.80	0.98631	0.00069
9.45	0.98750	0.00063	8.95	0.98645	0.00068	8.85	0.99012	0.00067
9.50	0.99018	0.00063	9.00	0.99115	0.00065	8.90	0.99347	0.00068
9.55	0.99358	0.00063	9.05	0.99419	0.00065	8.95	0.99841	0.00068
9.60	0.99743	0.00063	9.10	0.99566	0.00066	9.00	1.00087	0.00067
9.65	0.99938	0.00063	9.15	1.00018	0.00066	9.05	1.00417	0.00066
9.70	1.00378	0.00063	9.20	1.00365	0.00063	9.10	1.00859	0.00068
9.75	1.00664	0.00065	9.25	1.00866	0.00064			
9.80	1.00982	0.00064	9.30	1.01111	0.00068			
9.85	1.01149	0.00061						
9.90	1.01416	0.00062						
9.95	1.01897	0.00062						
10.00	1.02133	0.00064						

150	200	350						
7.90	0.92376	0.00067	7.90	0.92235	0.00068	8.00	0.92418	0.00067
7.95	0.92713	0.00070	7.95	0.92734	0.00067	8.05	0.92937	0.00067
8.00	0.93191	0.00067	8.00	0.93247	0.00067	8.10	0.93138	0.00068
8.05	0.93600	0.00066	8.05	0.93414	0.00070	8.15	0.93507	0.00066
8.10	0.93982	0.00067	8.10	0.93934	0.00068	8.20	0.93837	0.00068
8.15	0.94401	0.00069	8.15	0.94187	0.00066	8.25	0.94216	0.00070
8.20	0.94792	0.00067	8.20	0.94592	0.00069	8.30	0.94640	0.00067
8.25	0.95139	0.00068	8.25	0.95007	0.00067	8.35	0.94880	0.00068
8.30	0.95563	0.00068	8.30	0.95248	0.00070	8.40	0.95296	0.00065
8.35	0.95873	0.00069	8.35	0.95603	0.00068	8.45	0.95460	0.00069
8.40	0.96297	0.00067	8.40	0.96059	0.00070	8.50	0.96115	0.00071
8.45	0.96635	0.00065	8.45	0.96421	0.00070	8.55	0.96223	0.00068
8.50	0.96997	0.00066	8.50	0.96677	0.00065	8.60	0.96670	0.00067
8.55	0.97377	0.00071	8.55	0.97026	0.00068	8.65	0.96985	0.00068
8.60	0.97707	0.00068	8.60	0.97481	0.00066	8.70	0.97267	0.00067
8.65	0.97936	0.00071	8.65	0.97705	0.00069	8.75	0.97560	0.00070
8.70	0.98383	0.00069	8.70	0.98110	0.00071	8.80	0.97964	0.00067
8.75	0.98831	0.00067	8.75	0.98453	0.00066	8.85	0.98162	0.00071
8.80	0.99167	0.00069	8.80	0.98731	0.00067	8.90	0.98625	0.00067
8.85	0.99515	0.00068	8.85	0.99189	0.00068	8.95	0.98851	0.00069
8.90	0.99829	0.00067	8.90	0.99592	0.00070	9.00	0.99193	0.00070
8.95	1.00075	0.00069	8.95	0.99711	0.00072	9.05	0.99488	0.00067
9.00	1.00398	0.00068	9.00	1.00163	0.00064	9.10	0.99796	0.00068
			9.05	1.00392	0.00070	9.15	1.00157	0.00070
			9.10	1.00746	0.00067	9.20	1.00428	0.00070
			9.15	1.01115	0.00068	9.25	1.00759	0.00067
			9.20	1.01333	0.00069	9.30	1.01047	0.00069

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500	750	1000
8.00 0.92480 0.00067	7.90 0.92744 0.00068	7.60 0.92020 0.00065
8.10 0.93290 0.00070	7.95 0.93045 0.00065	7.65 0.92532 0.00066
8.20 0.93851 0.00068	8.00 0.93367 0.00068	7.70 0.92738 0.00064
8.30 0.94613 0.00067	8.05 0.93786 0.00066	7.75 0.93204 0.00066
8.40 0.95282 0.00068	8.10 0.94144 0.00064	7.80 0.93486 0.00063
8.50 0.95880 0.00070	8.15 0.94384 0.00065	7.85 0.93925 0.00066
8.60 0.96457 0.00066	8.20 0.94629 0.00068	7.90 0.94265 0.00067
8.70 0.97090 0.00070	8.25 0.95043 0.00065	7.95 0.94599 0.00067
8.80 0.97855 0.00069	8.30 0.95422 0.00068	8.00 0.94956 0.00064
8.90 0.98464 0.00068	8.35 0.95741 0.00065	8.05 0.95251 0.00063
9.00 0.98946 0.00065	8.40 0.96069 0.00066	8.10 0.95644 0.00064
9.10 0.99675 0.00066	8.45 0.96544 0.00070	8.15 0.96080 0.00068
9.20 1.00363 0.00070	8.50 0.96734 0.00069	8.20 0.96304 0.00067
9.30 1.00884 0.00069	8.55 0.97153 0.00068	8.25 0.96643 0.00066
9.40 1.01362 0.00068	8.60 0.97267 0.00068	8.30 0.97021 0.00067
9.50 1.01989 0.00068	8.65 0.97758 0.00064	8.35 0.97319 0.00065
9.60 1.02674 0.00067	8.70 0.98042 0.00067	8.40 0.97645 0.00066
9.70 1.02979 0.00067	8.75 0.98498 0.00069	8.45 0.97988 0.00065
9.80 1.03637 0.00068	8.80 0.98659 0.00067	8.50 0.98313 0.00067
9.90 1.04175 0.00069	8.85 0.98963 0.00068	8.55 0.98486 0.00070
10.00 1.04708 0.00069	8.90 0.99376 0.00065	8.60 0.98926 0.00068
10.10 1.05190 0.00068	8.95 0.99527 0.00067	8.65 0.99392 0.00066
10.20 1.05677 0.00069	9.00 0.99847 0.00068	8.70 0.99715 0.00065
10.30 1.06317 0.00066	9.05 1.00211 0.00067	8.75 0.99951 0.00061
10.40 1.06714 0.00069	9.10 1.00428 0.00069	8.80 1.00266 0.00067
10.50 1.07240 0.00069	9.15 1.00737 0.00069	8.85 1.00523 0.00067
10.60 1.07715 0.00066	9.20 1.00999 0.00064	8.90 1.00881 0.00065
10.70 1.08166 0.00070		8.95 1.01138 0.00067
10.80 1.08663 0.00065		9.00 1.01461 0.00068
10.90 1.09063 0.00066		
11.00 1.09536 0.00067		
1500	2000	2500
7.00 0.91228 0.00067	6.60 0.91727 0.00064	6.00 0.89858 0.00062
7.05 0.91640 0.00065	6.65 0.92074 0.00063	6.05 0.90456 0.00061
7.10 0.91993 0.00067	6.70 0.92712 0.00063	6.10 0.91117 0.00063
7.15 0.92453 0.00064	6.75 0.93165 0.00063	6.15 0.91503 0.00063
7.20 0.92879 0.00064	6.80 0.93489 0.00064	6.20 0.91965 0.00062
7.25 0.93306 0.00063	6.85 0.93945 0.00066	6.25 0.92439 0.00066
7.30 0.93550 0.00067	6.90 0.94357 0.00063	6.30 0.93013 0.00065
7.35 0.93997 0.00063	6.95 0.94856 0.00064	6.35 0.93357 0.00063
7.40 0.94497 0.00065	7.00 0.95326 0.00062	6.40 0.93935 0.00064
7.45 0.94684 0.00067	7.05 0.95879 0.00066	6.45 0.94408 0.00063
7.50 0.95187 0.00065	7.10 0.96174 0.00064	6.50 0.94773 0.00061
7.55 0.95591 0.00066	7.15 0.96640 0.00065	6.55 0.95290 0.00062
7.60 0.96030 0.00064	7.20 0.97022 0.00062	6.60 0.95816 0.00062
7.65 0.96262 0.00065	7.25 0.97396 0.00063	6.65 0.96356 0.00063
7.70 0.96701 0.00065	7.30 0.97766 0.00064	6.70 0.96807 0.00066
7.75 0.97030 0.00065	7.35 0.98273 0.00065	6.75 0.97275 0.00065
7.80 0.97576 0.00063	7.40 0.98592 0.00065	6.80 0.97534 0.00062
7.85 0.97815 0.00065	7.45 0.99109 0.00065	6.85 0.98191 0.00065
7.90 0.98148 0.00062	7.50 0.99432 0.00064	6.90 0.98588 0.00066
7.95 0.98515 0.00065	7.55 0.99803 0.00063	6.95 0.99012 0.00063
8.00 0.98909 0.00065	7.60 1.00327 0.00064	7.00 0.99427 0.00065
8.05 0.99241 0.00066	7.65 1.00577 0.00064	7.05 0.99800 0.00063
8.10 0.99557 0.00066	7.70 1.00887 0.00064	7.10 1.00420 0.00062
8.15 0.99935 0.00064		7.15 1.00814 0.00066
8.20 1.00334 0.00066		7.20 1.01217 0.00064
8.25 1.00690 0.00069		
8.30 1.00929 0.00066		

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3000	4000	5000
5.80 0.91607 0.00062	5.20 0.91496 0.00062	4.80 0.92347 0.00061
5.85 0.92032 0.00060	5.22 0.91720 0.00064	4.82 0.92748 0.00061
5.90 0.92633 0.00064	5.24 0.92074 0.00063	4.84 0.92969 0.00063
5.95 0.93379 0.00063	5.26 0.92346 0.00062	4.86 0.93276 0.00063
6.00 0.93745 0.00062	5.28 0.92505 0.00062	4.88 0.93556 0.00062
6.05 0.94116 0.00063	5.30 0.92723 0.00063	4.90 0.93914 0.00060
6.10 0.94753 0.00062	5.32 0.92956 0.00062	4.92 0.94159 0.00059
6.15 0.95471 0.00065	5.34 0.93332 0.00064	4.94 0.94373 0.00062
6.20 0.95793 0.00063	5.36 0.93553 0.00063	4.96 0.94771 0.00061
6.25 0.96356 0.00063	5.38 0.93749 0.00061	4.98 0.94854 0.00060
6.30 0.96853 0.00063	5.40 0.94013 0.00063	5.00 0.95230 0.00064
6.35 0.97426 0.00063	5.42 0.94236 0.00063	5.02 0.95538 0.00060
6.40 0.97998 0.00065	5.44 0.94422 0.00064	5.04 0.95786 0.00062
6.45 0.98326 0.00063	5.46 0.94813 0.00062	5.06 0.96052 0.00061
6.50 0.98796 0.00065	5.48 0.95009 0.00062	5.08 0.96222 0.00061
6.55 0.99358 0.00064	5.50 0.95200 0.00062	5.10 0.96583 0.00060
6.60 0.99863 0.00064	5.52 0.95440 0.00061	5.12 0.97040 0.00061
6.65 1.00310 0.00064	5.54 0.95774 0.00065	5.14 0.97145 0.00062
6.70 1.00624 0.00062	5.56 0.96046 0.00063	5.16 0.97405 0.00061
	5.58 0.96218 0.00064	5.18 0.97614 0.00062
	5.60 0.96440 0.00061	5.20 0.97937 0.00061
	5.62 0.96698 0.00063	5.22 0.98258 0.00062
	5.64 0.96888 0.00061	5.24 0.98443 0.00063
	5.66 0.97109 0.00062	5.26 0.98701 0.00062
	5.68 0.97391 0.00063	5.28 0.98956 0.00062
	5.70 0.97647 0.00062	5.30 0.99180 0.00061
	5.72 0.97920 0.00061	5.32 0.99512 0.00061
	5.74 0.98029 0.00061	5.34 0.99843 0.00064
	5.76 0.98512 0.00063	5.36 1.00079 0.00063
	5.78 0.98597 0.00061	5.38 1.00285 0.00065
	5.80 0.98798 0.00061	5.40 1.00604 0.00061
	5.82 0.99063 0.00062	5.42 1.00746 0.00062
	5.84 0.99202 0.00061	5.44 1.01116 0.00062
	5.86 0.99498 0.00062	5.46 1.01358 0.00065
	5.88 0.99735 0.00062	5.48 1.01536 0.00062
	5.90 0.99900 0.00065	5.50 1.01809 0.00063
	5.92 1.00216 0.00063	
	5.94 1.00316 0.00063	
	5.96 1.00590 0.00063	
	5.98 1.00855 0.00064	
	6.00 1.01018 0.00066	

6000	7000	7500
4.30 0.90489 0.00058	4.00 0.90610 0.00059	3.90 0.91252 0.00057
4.32 0.90875 0.00061	4.02 0.90990 0.00058	3.92 0.91700 0.00057
4.34 0.91110 0.00062	4.04 0.91353 0.00059	3.94 0.92084 0.00057
4.36 0.91434 0.00059	4.06 0.91666 0.00058	3.96 0.92513 0.00059
4.38 0.91812 0.00061	4.08 0.92125 0.00058	3.98 0.92777 0.00060
4.40 0.92125 0.00058	4.10 0.92363 0.00059	4.00 0.93030 0.00058
4.42 0.92444 0.00061	4.12 0.92745 0.00058	4.02 0.93511 0.00060
4.44 0.92823 0.00061	4.14 0.93101 0.00058	4.04 0.93760 0.00058
4.46 0.93187 0.00061	4.16 0.93517 0.00059	4.06 0.94160 0.00059
4.48 0.93460 0.00060	4.18 0.93857 0.00059	4.08 0.94608 0.00061
4.50 0.93770 0.00061	4.20 0.94145 0.00060	4.10 0.94998 0.00057
4.52 0.94111 0.00060	4.22 0.94425 0.00059	4.12 0.95245 0.00058
4.54 0.94332 0.00061	4.24 0.94782 0.00059	4.14 0.95513 0.00057

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4.56 0.94562 0.00060	4.26 0.95043 0.00061	4.16 0.95924 0.00061
4.58 0.94975 0.00059	4.28 0.95436 0.00059	4.18 0.96201 0.00059
4.60 0.95346 0.00062	4.30 0.95772 0.00062	4.20 0.96523 0.00060
4.62 0.95424 0.00061	4.32 0.96091 0.00060	4.22 0.96940 0.00060
4.64 0.95890 0.00061	4.34 0.96475 0.00059	4.24 0.97128 0.00061
4.66 0.96165 0.00060	4.36 0.96726 0.00060	4.26 0.97627 0.00060
4.68 0.96416 0.00062	4.38 0.97137 0.00059	4.28 0.97949 0.00058
4.70 0.96854 0.00062	4.40 0.97490 0.00057	4.30 0.98324 0.00060
4.72 0.97055 0.00062	4.42 0.97861 0.00058	4.32 0.98651 0.00060
4.74 0.97362 0.00064	4.44 0.98090 0.00060	4.34 0.98879 0.00061
4.76 0.97588 0.00061	4.46 0.98410 0.00062	4.36 0.99370 0.00062
4.78 0.98011 0.00061	4.48 0.98809 0.00060	4.38 0.99636 0.00057
4.80 0.98194 0.00059	4.50 0.99145 0.00062	4.40 0.99954 0.00057
4.82 0.98542 0.00062	4.52 0.99394 0.00059	4.42 1.00320 0.00062
4.84 0.98832 0.00062	4.54 0.99641 0.00062	4.44 1.00644 0.00060
4.86 0.99276 0.00062	4.56 1.00039 0.00061	4.46 1.00946 0.00062
4.88 0.99480 0.00061	4.58 1.00277 0.00062	4.48 1.01298 0.00060
4.90 0.99644 0.00063	4.60 1.00550 0.00059	4.50 1.01704 0.00058
4.92 0.99997 0.00063	4.62 1.00991 0.00061	
4.94 1.00201 0.00059	4.64 1.01396 0.00060	
4.96 1.00608 0.00061	4.66 1.01622 0.00061	
4.98 1.00896 0.00058	4.68 1.01984 0.00058	
5.00 1.01180 0.00062	4.70 1.02223 0.00062	

8000	9000	10000
3.80 0.91911 0.00059	3.50 0.90462 0.00054	3.30 0.90638 0.00056
3.82 0.92256 0.00057	3.52 0.90969 0.00055	3.32 0.90992 0.00054
3.84 0.92632 0.00058	3.54 0.91362 0.00053	3.34 0.91518 0.00055
3.86 0.93010 0.00061	3.56 0.91651 0.00058	3.36 0.92006 0.00056
3.88 0.93402 0.00058	3.58 0.92196 0.00057	3.38 0.92369 0.00056
3.90 0.93729 0.00060	3.60 0.92601 0.00056	3.40 0.92783 0.00057
3.92 0.94093 0.00058	3.62 0.92960 0.00059	3.42 0.93137 0.00057
3.94 0.94382 0.00058	3.64 0.93277 0.00058	3.44 0.93636 0.00055
3.96 0.94824 0.00060	3.66 0.93740 0.00057	3.46 0.94017 0.00055
3.98 0.95117 0.00060	3.68 0.94150 0.00057	3.48 0.94438 0.00057
4.00 0.95608 0.00058	3.70 0.94645 0.00058	3.50 0.94891 0.00055
4.02 0.95886 0.00059	3.72 0.94946 0.00060	3.52 0.95271 0.00057
4.04 0.96215 0.00059	3.74 0.95403 0.00058	3.54 0.95591 0.00058
4.06 0.96639 0.00059	3.76 0.95736 0.00060	3.56 0.96084 0.00057
4.08 0.96982 0.00060	3.78 0.96138 0.00058	3.58 0.96531 0.00056
4.10 0.97298 0.00057	3.80 0.96397 0.00059	3.60 0.96916 0.00056
4.12 0.97744 0.00060	3.82 0.96700 0.00057	3.62 0.97403 0.00057
4.14 0.97973 0.00058	3.84 0.97186 0.00057	3.64 0.97624 0.00056
4.16 0.98366 0.00058	3.86 0.97606 0.00058	3.66 0.98063 0.00057
4.18 0.98744 0.00060	3.88 0.98096 0.00058	3.68 0.98548 0.00057
4.20 0.99177 0.00061	3.90 0.98298 0.00058	3.70 0.98937 0.00059
4.22 0.99460 0.00060	3.92 0.98792 0.00061	3.72 0.99320 0.00059
4.24 0.99796 0.00058	3.94 0.99206 0.00059	3.74 0.99746 0.00057
4.26 1.00201 0.00059	3.96 0.99518 0.00058	3.76 1.00116 0.00059
4.28 1.00455 0.00059	3.98 0.99867 0.00059	3.78 1.00449 0.00056
4.30 1.00811 0.00060	4.00 1.00310 0.00058	3.80 1.00901 0.00058
4.32 1.01132 0.00061	4.02 1.00656 0.00059	
4.34 1.01447 0.00061	4.04 1.00905 0.00057	
4.36 1.01728 0.00062	4.06 1.01353 0.00058	
4.38 1.02144 0.00059	4.08 1.01732 0.00061	
4.40 1.02492 0.00058	4.10 1.02125 0.00060	

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15000	19600
2.55 0.91211 0.00052	2.10 0.92279 0.00051
2.57 0.91841 0.00050	2.12 0.93053 0.00051
2.59 0.92357 0.00049	2.14 0.93720 0.00048
2.61 0.92860 0.00050	2.16 0.94309 0.00051
2.63 0.93542 0.00054	2.18 0.95004 0.00049
2.65 0.93989 0.00052	2.20 0.95697 0.00050
2.67 0.94569 0.00051	2.22 0.96360 0.00049
2.69 0.95086 0.00051	2.24 0.97075 0.00051
2.71 0.95592 0.00051	2.26 0.97740 0.00051
2.73 0.96155 0.00053	2.28 0.98295 0.00051
2.75 0.96758 0.00052	2.30 0.98960 0.00050
2.77 0.97080 0.00054	2.32 0.99630 0.00051
2.79 0.97665 0.00053	2.34 1.00324 0.00050
2.81 0.98247 0.00055	2.36 1.01009 0.00049
2.83 0.98776 0.00053	2.38 1.01566 0.00053
2.85 0.99390 0.00053	2.40 1.02315 0.00051
2.87 0.99797 0.00054	
2.89 1.00431 0.00054	
2.90 1.00725 0.00055	

## sumtable.pu-icyl-0900-10

10	13	15
20.00 0.91315 0.00033	14.00 0.91001 0.00038	12.00 0.90043 0.00042
20.50 0.91825 0.00032	14.25 0.91695 0.00040	12.20 0.90881 0.00043
21.00 0.92417 0.00031	14.50 0.92350 0.00039	12.40 0.91511 0.00042
21.50 0.92911 0.00031	14.75 0.92797 0.00038	12.60 0.92060 0.00042
22.00 0.93401 0.00031	15.00 0.93444 0.00038	12.80 0.92696 0.00043
22.50 0.93870 0.00032	15.25 0.93943 0.00038	13.00 0.93273 0.00042
23.00 0.94377 0.00031	15.50 0.94586 0.00038	13.20 0.93903 0.00042
23.50 0.94789 0.00032	15.75 0.95048 0.00038	13.40 0.94445 0.00042
24.00 0.95149 0.00032	16.00 0.95578 0.00039	13.60 0.95045 0.00043
24.50 0.95619 0.00030	16.25 0.95955 0.00038	13.80 0.95546 0.00042
25.00 0.95887 0.00029	16.50 0.96616 0.00039	14.00 0.96132 0.00042
25.50 0.96296 0.00030	16.75 0.96882 0.00037	14.20 0.96590 0.00041
26.00 0.96597 0.00028	17.00 0.97385 0.00037	14.40 0.97147 0.00043
26.50 0.96955 0.00029	17.25 0.97856 0.00037	14.60 0.97687 0.00042
27.00 0.97247 0.00029	17.50 0.98277 0.00038	14.80 0.98137 0.00042
27.50 0.97570 0.00028	17.75 0.98711 0.00037	15.00 0.98554 0.00041
28.00 0.97821 0.00030	18.00 0.99112 0.00037	15.20 0.99028 0.00043
28.50 0.98146 0.00028	18.25 0.99477 0.00037	15.40 0.99439 0.00039
29.00 0.98377 0.00028	18.50 0.99846 0.00036	15.60 0.99939 0.00040
29.50 0.98680 0.00027	18.75 1.00209 0.00037	15.80 1.00304 0.00042
30.00 0.98885 0.00028	19.00 1.00566 0.00038	16.00 1.00714 0.00041
30.50 0.99146 0.00029	19.25 1.00943 0.00036	16.20 1.01280 0.00041
31.00 0.99324 0.00028	19.50 1.01229 0.00035	16.40 1.01554 0.00040
31.50 0.99607 0.00028	19.75 1.01619 0.00037	16.60 1.01927 0.00042
32.00 0.99792 0.00028	20.00 1.01917 0.00037	16.80 1.02319 0.00041
32.50 0.99954 0.00026		17.00 1.02778 0.00039
33.00 1.00185 0.00027		
33.50 1.00319 0.00027		
34.00 1.00619 0.00026		
34.50 1.00637 0.00027		
35.00 1.00926 0.00027		

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18	20	22
11.00 0.92084 0.00046	10.00 0.90815 0.00047	9.00 0.88177 0.00049
11.25 0.93225 0.00047	10.25 0.91944 0.00048	9.20 0.89315 0.00051
11.50 0.94119 0.00046	10.50 0.93168 0.00049	9.40 0.90408 0.00049
11.75 0.95052 0.00048	10.75 0.94268 0.00048	9.60 0.91442 0.00049
12.00 0.95904 0.00045	11.00 0.95221 0.00048	9.80 0.92425 0.00049
12.25 0.96818 0.00045	11.25 0.96183 0.00046	10.00 0.93432 0.00048
12.50 0.97643 0.00045	11.50 0.97195 0.00046	10.20 0.94371 0.00049
12.75 0.98495 0.00044	11.75 0.98209 0.00046	10.40 0.95311 0.00049
13.00 0.99285 0.00044	12.00 0.99097 0.00048	10.60 0.96178 0.00049
13.25 0.99953 0.00046	12.25 1.00072 0.00048	10.80 0.97026 0.00049
13.50 1.00749 0.00045	12.50 1.00779 0.00048	11.00 0.97920 0.00049
13.75 1.01509 0.00045	12.75 1.01677 0.00048	11.20 0.98676 0.00050
14.00 1.02139 0.00044	13.00 1.02422 0.00047	11.40 0.99541 0.00047
14.25 1.02779 0.00044	13.25 1.03252 0.00047	11.60 1.00298 0.00048
14.50 1.03456 0.00044	13.50 1.03933 0.00047	11.80 1.01060 0.00048
14.75 1.04038 0.00044	13.75 1.04707 0.00046	12.00 1.01731 0.00048
15.00 1.04721 0.00045	14.00 1.05450 0.00046	12.20 1.02641 0.00049
15.25 1.05343 0.00044	14.25 1.06116 0.00045	12.40 1.03156 0.00049
15.50 1.05916 0.00043	14.50 1.06786 0.00044	12.60 1.03989 0.00048
15.75 1.06455 0.00043	14.75 1.07415 0.00045	12.80 1.04483 0.00048
16.00 1.06910 0.00045	15.00 1.08084 0.00046	13.00 1.05254 0.00048
		13.20 1.05872 0.00049
		13.40 1.06481 0.00048
		13.60 1.06982 0.00048
		13.80 1.07592 0.00047
		14.00 1.08214 0.00048

24	25	26
9.00 0.90286 0.00050	9.00 0.91378 0.00049	9.00 0.92419 0.00053
9.20 0.91484 0.00051	9.20 0.92522 0.00052	9.20 0.93454 0.00053
9.40 0.92587 0.00050	9.40 0.93604 0.00052	9.25 0.93663 0.00050
9.60 0.93600 0.00052	9.60 0.94534 0.00050	9.30 0.93991 0.00053
9.80 0.94659 0.00051	9.80 0.95690 0.00051	9.35 0.94128 0.00053
10.00 0.95609 0.00049	10.00 0.96692 0.00049	9.40 0.94565 0.00052
10.20 0.96590 0.00051	10.20 0.97586 0.00052	9.45 0.94700 0.00051
10.40 0.97627 0.00051	10.40 0.98508 0.00051	9.50 0.95023 0.00052
10.60 0.98379 0.00051	10.60 0.99404 0.00049	9.55 0.95262 0.00052
10.80 0.99294 0.00052	10.80 1.00313 0.00050	9.60 0.95582 0.00053
11.00 1.00268 0.00049	11.00 1.01140 0.00049	9.65 0.95716 0.00051
11.20 1.01023 0.00051	11.20 1.02010 0.00050	9.70 0.96083 0.00051
11.40 1.01860 0.00051	11.40 1.02902 0.00050	9.75 0.96278 0.00049
11.60 1.02675 0.00051	11.60 1.03639 0.00050	9.80 0.96559 0.00053
11.80 1.03436 0.00051	11.80 1.04404 0.00051	9.85 0.96875 0.00051
12.00 1.04015 0.00051	12.00 1.05245 0.00049	9.90 0.97065 0.00052
12.20 1.04797 0.00047	12.20 1.05883 0.00050	9.95 0.97307 0.00051
12.40 1.05512 0.00049	12.40 1.06573 0.00049	10.00 0.97555 0.00052
12.60 1.06206 0.00049	12.60 1.07201 0.00051	10.05 0.97829 0.00049
12.80 1.06929 0.00049	12.80 1.07942 0.00050	10.10 0.98016 0.00053
13.00 1.07462 0.00051	13.00 1.08655 0.00047	10.15 0.98408 0.00052
		10.20 0.98542 0.00052
		10.25 0.98791 0.00053

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			10.30	0.99046	0.00049
			10.35	0.99268	0.00052
			10.40	0.99481	0.00051
			10.45	0.99675	0.00050
			10.50	0.99967	0.00053
			10.55	1.00127	0.00052
			10.60	1.00405	0.00051
			10.65	1.00694	0.00054
			10.70	1.00819	0.00050
			10.80	1.01227	0.00052
			11.00	1.02072	0.00052
	28		30		32
8.70	0.92196	0.00053	8.40	0.91854	0.00055
8.75	0.92524	0.00052	8.45	0.92143	0.00054
8.80	0.92776	0.00054	8.50	0.92453	0.00052
8.85	0.93116	0.00053	8.55	0.92668	0.00053
8.90	0.93448	0.00052	8.60	0.93069	0.00054
8.95	0.93732	0.00055	8.65	0.93363	0.00052
9.00	0.93944	0.00053	8.70	0.93740	0.00053
9.05	0.94202	0.00052	8.75	0.93994	0.00056
9.10	0.94553	0.00054	8.80	0.94163	0.00054
9.15	0.94689	0.00053	8.85	0.94595	0.00054
9.20	0.95102	0.00054	8.90	0.94846	0.00052
9.25	0.95315	0.00052	8.95	0.95130	0.00052
9.30	0.95667	0.00054	9.00	0.95535	0.00052
9.35	0.95881	0.00054	9.05	0.95770	0.00052
9.40	0.96225	0.00055	9.10	0.96057	0.00052
9.45	0.96460	0.00052	9.15	0.96298	0.00053
9.50	0.96620	0.00052	9.20	0.96643	0.00053
9.55	0.96946	0.00052	9.25	0.96818	0.00054
9.60	0.97182	0.00054	9.30	0.97133	0.00054
9.65	0.97547	0.00053	9.35	0.97410	0.00054
9.70	0.97627	0.00054	9.40	0.97605	0.00054
9.75	0.98110	0.00052	9.45	0.97865	0.00054
9.80	0.98243	0.00051	9.50	0.98168	0.00054
9.85	0.98510	0.00050	9.55	0.98523	0.00054
9.90	0.98729	0.00054	9.60	0.98717	0.00054
9.95	0.99020	0.00053	9.65	0.99056	0.00054
10.00	0.99338	0.00052	9.70	0.99202	0.00057
10.05	0.99533	0.00053	9.75	0.99512	0.00052
10.10	0.99781	0.00052	9.80	0.99724	0.00054
10.15	1.00103	0.00052	9.85	0.99983	0.00053
10.20	1.00242	0.00053	9.90	1.00389	0.00053
10.25	1.00498	0.00055	9.95	1.00485	0.00054
10.30	1.00739	0.00052	10.00	1.00842	0.00052
	36		40		45
7.90	0.91908	0.00055	7.70	0.92351	0.00056
7.95	0.92284	0.00053	7.75	0.92707	0.00058
8.00	0.92759	0.00057	7.80	0.93085	0.00057
8.05	0.93133	0.00054	7.85	0.93377	0.00055
8.10	0.93312	0.00055	7.90	0.93770	0.00055
8.15	0.93603	0.00058	7.95	0.94129	0.00056
8.20	0.94051	0.00056	8.00	0.94441	0.00055
8.25	0.94346	0.00055	8.05	0.94769	0.00057

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8.30	0.94669	0.00056	8.10	0.95184	0.00055	7.80	0.94879	0.00057
8.35	0.95018	0.00056	8.15	0.95536	0.00056	7.85	0.95143	0.00058
8.40	0.95231	0.00054	8.20	0.95711	0.00057	7.90	0.95474	0.00055
8.45	0.95585	0.00057	8.25	0.96112	0.00055	7.95	0.95830	0.00058
8.50	0.95957	0.00055	8.30	0.96456	0.00058	8.00	0.96157	0.00054
8.55	0.96274	0.00057	8.35	0.96697	0.00056	8.05	0.96534	0.00056
8.60	0.96629	0.00056	8.40	0.97117	0.00057	8.10	0.96865	0.00058
8.65	0.96802	0.00055	8.45	0.97329	0.00057	8.15	0.97293	0.00056
8.70	0.97186	0.00055	8.50	0.97671	0.00055	8.20	0.97514	0.00058
8.75	0.97509	0.00054	8.55	0.98071	0.00054	8.25	0.97891	0.00058
8.80	0.97668	0.00054	8.60	0.98291	0.00057	8.30	0.98189	0.00058
8.85	0.98079	0.00055	8.65	0.98683	0.00057	8.35	0.98563	0.00057
8.90	0.98451	0.00058	8.70	0.98964	0.00056	8.40	0.98895	0.00057
8.95	0.98664	0.00055	8.75	0.99231	0.00056	8.45	0.99173	0.00059
9.00	0.98860	0.00056	8.80	0.99586	0.00056	8.50	0.99534	0.00056
9.05	0.99177	0.00057	8.85	0.99849	0.00057	8.55	0.99935	0.00058
9.10	0.99520	0.00057	8.90	1.00120	0.00055	8.60	1.00091	0.00056
9.15	0.99931	0.00055	8.95	1.00502	0.00059	8.65	1.00425	0.00060
9.20	1.00058	0.00055	9.00	1.00838	0.00052	8.70	1.00731	0.00059
9.25	1.00355	0.00058						
9.30	1.00745	0.00055						

50	75	100						
7.30	0.92577	0.00059	6.70	0.91877	0.00061	6.50	0.91911	0.00061
7.35	0.93027	0.00059	6.75	0.92258	0.00062	6.55	0.92373	0.00063
7.40	0.93236	0.00060	6.80	0.92598	0.00060	6.60	0.92813	0.00062
7.45	0.93765	0.00057	6.85	0.93080	0.00060	6.65	0.93165	0.00059
7.50	0.94163	0.00058	6.90	0.93475	0.00060	6.70	0.93500	0.00059
7.55	0.94549	0.00059	6.95	0.94038	0.00061	6.75	0.94016	0.00064
7.60	0.94805	0.00057	7.00	0.94393	0.00061	6.80	0.94434	0.00061
7.65	0.95146	0.00057	7.05	0.94608	0.00061	6.85	0.94821	0.00061
7.70	0.95547	0.00060	7.10	0.94992	0.00062	6.90	0.95168	0.00060
7.75	0.95964	0.00058	7.15	0.95436	0.00060	6.95	0.95504	0.00063
7.80	0.96215	0.00060	7.20	0.95787	0.00060	7.00	0.96028	0.00060
7.85	0.96561	0.00059	7.25	0.96238	0.00061	7.05	0.96342	0.00061
7.90	0.96894	0.00057	7.30	0.96546	0.00062	7.10	0.96725	0.00061
7.95	0.97319	0.00058	7.35	0.97054	0.00062	7.15	0.97159	0.00062
8.00	0.97579	0.00058	7.40	0.97262	0.00060	7.20	0.97451	0.00062
8.05	0.98033	0.00060	7.45	0.97735	0.00060	7.25	0.97953	0.00063
8.10	0.98253	0.00059	7.50	0.98081	0.00064	7.30	0.98194	0.00060
8.15	0.98609	0.00056	7.55	0.98508	0.00061	7.35	0.98565	0.00063
8.20	0.98975	0.00059	7.60	0.98756	0.00059	7.40	0.98879	0.00064
8.25	0.99373	0.00057	7.65	0.99078	0.00062	7.45	0.99269	0.00062
8.30	0.99529	0.00059	7.70	0.99546	0.00062	7.50	0.99607	0.00064
8.35	1.00051	0.00058	7.75	0.99884	0.00061	7.55	0.99961	0.00061
8.40	1.00321	0.00058	7.80	1.00170	0.00063	7.60	1.00378	0.00061
8.45	1.00513	0.00056	7.85	1.00526	0.00062	7.65	1.00698	0.00061
8.50	1.00891	0.00058	7.90	1.00882	0.00060	7.70	1.01020	0.00062
			7.95	1.01168	0.00061			
			8.00	1.01488	0.00062			

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150	200	350
6.40 0.92388 0.00061	6.30 0.91949 0.00063	6.30 0.92129 0.00061
6.45 0.92708 0.00063	6.35 0.92341 0.00063	6.35 0.92586 0.00061
6.50 0.93247 0.00064	6.40 0.92777 0.00063	6.40 0.92988 0.00062
6.55 0.93710 0.00063	6.45 0.93134 0.00061	6.45 0.93459 0.00063
6.60 0.94071 0.00062	6.50 0.93592 0.00063	6.50 0.93737 0.00060
6.65 0.94439 0.00062	6.55 0.93991 0.00062	6.55 0.94141 0.00065
6.70 0.94895 0.00063	6.60 0.94473 0.00064	6.60 0.94510 0.00062
6.75 0.95290 0.00063	6.65 0.94760 0.00061	6.65 0.94734 0.00063
6.80 0.95575 0.00062	6.70 0.95186 0.00062	6.70 0.95205 0.00064
6.85 0.95898 0.00066	6.75 0.95455 0.00061	6.75 0.95473 0.00063
6.90 0.96291 0.00061	6.80 0.95950 0.00063	6.80 0.95840 0.00065
6.95 0.96776 0.00065	6.85 0.96100 0.00064	6.85 0.96219 0.00062
7.00 0.97108 0.00063	6.90 0.96585 0.00064	6.90 0.96567 0.00064
7.05 0.97659 0.00061	6.95 0.96892 0.00063	6.95 0.96917 0.00063
7.10 0.97848 0.00064	7.00 0.97348 0.00064	7.00 0.97173 0.00065
7.15 0.98209 0.00062	7.05 0.97789 0.00061	7.05 0.97557 0.00061
7.20 0.98655 0.00061	7.10 0.97999 0.00064	7.10 0.98004 0.00063
7.25 0.98862 0.00064	7.15 0.98447 0.00064	7.15 0.98179 0.00061
7.30 0.99217 0.00064	7.20 0.98670 0.00063	7.20 0.98683 0.00064
7.35 0.99670 0.00066	7.25 0.99168 0.00064	7.25 0.98842 0.00064
7.40 0.99948 0.00064	7.30 0.99531 0.00063	7.30 0.99317 0.00065
7.45 1.00374 0.00063	7.35 0.99868 0.00062	7.35 0.99529 0.00063
7.50 1.00663 0.00064	7.40 1.00092 0.00062	7.40 0.99885 0.00066
	7.45 1.00450 0.00062	7.45 1.00227 0.00063
	7.50 1.00850 0.00063	7.50 1.00437 0.00064
	7.55 1.01082 0.00066	
	7.60 1.01476 0.00066	

500	750	1000
6.30 0.92495 0.00063	6.00 0.91199 0.00066	5.90 0.91868 0.00062
6.35 0.92903 0.00061	6.05 0.91622 0.00062	5.95 0.92189 0.00059
6.40 0.93106 0.00063	6.10 0.91906 0.00065	6.00 0.92579 0.00062
6.45 0.93635 0.00062	6.15 0.92395 0.00063	6.05 0.92964 0.00062
6.50 0.94057 0.00063	6.20 0.92779 0.00060	6.10 0.93414 0.00062
6.55 0.94235 0.00061	6.25 0.93116 0.00064	6.15 0.93818 0.00064
6.60 0.94729 0.00061	6.30 0.93422 0.00062	6.20 0.94094 0.00063
6.65 0.95053 0.00064	6.35 0.93858 0.00062	6.25 0.94517 0.00062
6.70 0.95307 0.00064	6.40 0.94174 0.00063	6.30 0.94855 0.00063
6.75 0.95745 0.00062	6.45 0.94513 0.00062	6.35 0.95354 0.00063
6.80 0.95984 0.00065	6.50 0.94790 0.00063	6.40 0.95545 0.00061
6.85 0.96390 0.00062	6.55 0.95315 0.00063	6.45 0.95973 0.00061
6.90 0.96691 0.00063	6.60 0.95594 0.00063	6.50 0.96368 0.00061
6.95 0.97216 0.00061	6.65 0.96029 0.00062	6.55 0.96711 0.00062
7.00 0.97388 0.00062	6.70 0.96260 0.00063	6.60 0.97029 0.00063
7.05 0.97589 0.00063	6.75 0.96618 0.00064	6.65 0.97275 0.00064
7.10 0.98059 0.00062	6.80 0.96991 0.00063	6.70 0.97682 0.00061
7.15 0.98468 0.00065	6.85 0.97432 0.00064	6.75 0.97994 0.00063
7.20 0.98734 0.00064	6.90 0.97720 0.00061	6.80 0.98398 0.00062
7.25 0.99092 0.00062	6.95 0.97920 0.00063	6.85 0.98808 0.00065
7.30 0.99297 0.00064	7.00 0.98372 0.00064	6.90 0.99116 0.00063
7.35 0.99588 0.00065	7.05 0.98628 0.00061	6.95 0.99451 0.00060
7.40 0.99999 0.00065	7.10 0.98890 0.00061	7.00 0.99683 0.00062
7.45 1.00263 0.00064	7.15 0.99278 0.00063	7.05 1.00090 0.00062
7.50 1.00589 0.00065	7.20 0.99592 0.00063	7.10 1.00383 0.00061
7.55 1.01029 0.00064	7.25 0.99970 0.00062	7.15 1.00705 0.00062
7.60 1.01257 0.00064	7.30 1.00241 0.00065	7.20 1.01045 0.00063
	7.35 1.00577 0.00061	
	7.40 1.00967 0.00062	

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1500	2000	2500
5.50 0.91791 0.00062	5.00 0.90483 0.00061	4.80 0.91750 0.00062
5.55 0.92252 0.00060	5.05 0.91030 0.00062	4.85 0.92212 0.00062
5.60 0.92692 0.00062	5.10 0.91410 0.00061	4.90 0.92745 0.00057
5.65 0.93119 0.00063	5.15 0.92065 0.00060	4.95 0.93221 0.00062
5.70 0.93496 0.00063	5.20 0.92391 0.00062	5.00 0.93872 0.00060
5.75 0.93929 0.00059	5.25 0.92960 0.00062	5.05 0.94246 0.00062
5.80 0.94349 0.00063	5.30 0.93411 0.00061	5.10 0.94711 0.00060
5.85 0.94811 0.00060	5.35 0.93873 0.00061	5.15 0.95295 0.00063
5.90 0.95186 0.00062	5.40 0.94408 0.00058	5.20 0.95731 0.00064
5.95 0.95542 0.00061	5.45 0.94790 0.00061	5.25 0.96305 0.00058
6.00 0.96001 0.00062	5.50 0.95198 0.00062	5.30 0.96743 0.00060
6.05 0.96215 0.00061	5.55 0.95679 0.00062	5.35 0.97239 0.00059
6.10 0.96871 0.00062	5.60 0.96077 0.00063	5.40 0.97681 0.00059
6.15 0.97100 0.00062	5.65 0.96611 0.00061	5.45 0.98199 0.00062
6.20 0.97569 0.00062	5.70 0.96961 0.00062	5.50 0.98769 0.00060
6.25 0.97940 0.00064	5.75 0.97380 0.00062	5.55 0.99256 0.00060
6.30 0.98346 0.00062	5.80 0.97820 0.00061	5.60 0.99658 0.00061
6.35 0.98647 0.00062	5.85 0.98255 0.00061	5.65 1.00092 0.00060
6.40 0.99002 0.00064	5.90 0.98615 0.00062	5.70 1.00505 0.00059
6.45 0.99383 0.00063	5.95 0.99213 0.00062	
6.50 0.99621 0.00062	6.00 0.99550 0.00062	
6.55 1.00087 0.00064	6.05 0.99875 0.00060	
6.60 1.00518 0.00060	6.10 1.00369 0.00062	
6.65 1.00845 0.00061	6.15 1.00660 0.00065	
6.70 1.01345 0.00062	6.20 1.01120 0.00062	

3000	4000	5000
4.60 0.92689 0.00059	4.00 0.90831 0.00059	3.70 0.91553 0.00060
4.65 0.93206 0.00060	4.02 0.91110 0.00057	3.72 0.91909 0.00060
4.70 0.93749 0.00061	4.04 0.91358 0.00058	3.74 0.92147 0.00060
4.75 0.94186 0.00060	4.06 0.91759 0.00059	3.76 0.92470 0.00060
4.80 0.94947 0.00062	4.08 0.91865 0.00060	3.78 0.92869 0.00060
4.85 0.95427 0.00062	4.10 0.92172 0.00058	3.80 0.93006 0.00060
4.90 0.95948 0.00060	4.12 0.92456 0.00059	3.82 0.93369 0.00061
4.95 0.96467 0.00062	4.14 0.92684 0.00059	3.84 0.93720 0.00059
5.00 0.97035 0.00063	4.16 0.92960 0.00063	3.86 0.93973 0.00060
5.05 0.97569 0.00062	4.18 0.93268 0.00061	3.88 0.94251 0.00060
5.10 0.98062 0.00059	4.20 0.93680 0.00063	3.90 0.94599 0.00060
5.15 0.98541 0.00060	4.22 0.93816 0.00060	3.92 0.95036 0.00060
5.20 0.99087 0.00061	4.24 0.94104 0.00061	3.94 0.95113 0.00059
5.25 0.99631 0.00062	4.26 0.94249 0.00059	3.96 0.95513 0.00061
5.30 1.00120 0.00060	4.28 0.94582 0.00060	3.98 0.95700 0.00061
5.35 1.00538 0.00061	4.30 0.94684 0.00059	4.00 0.96018 0.00060
5.40 1.01042 0.00061	4.32 0.94955 0.00060	4.02 0.96339 0.00060
	4.34 0.95246 0.00062	4.04 0.96604 0.00060
	4.36 0.95509 0.00060	4.06 0.96877 0.00060
	4.38 0.95829 0.00060	4.08 0.97218 0.00062
	4.40 0.96062 0.00060	4.10 0.97441 0.00063
	4.42 0.96335 0.00061	4.12 0.97733 0.00061
	4.44 0.96549 0.00061	4.14 0.98104 0.00058
	4.46 0.96880 0.00063	4.16 0.98219 0.00061
	4.48 0.97152 0.00060	4.18 0.98530 0.00060
	4.50 0.97313 0.00061	4.20 0.98757 0.00061
	4.52 0.97658 0.00059	4.22 0.98933 0.00060
	4.54 0.97835 0.00061	4.24 0.99328 0.00061
	4.56 0.98059 0.00062	4.26 0.99743 0.00061
	4.58 0.98375 0.00060	4.28 0.99888 0.00059
	4.60 0.98553 0.00059	4.30 1.00239 0.00059

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4.62	0.98758	0.00063	4.32	1.00468	0.00061
4.64	0.99030	0.00059	4.34	1.00804	0.00059
4.66	0.99270	0.00058	4.36	1.01080	0.00060
4.68	0.99614	0.00064	4.38	1.01306	0.00061
4.70	0.99727	0.00060	4.40	1.01547	0.00058
4.72	1.00068	0.00059			
4.74	1.00270	0.00058			
4.76	1.00527	0.00060			
4.78	1.00775	0.00061			
4.80	1.00942	0.00061			
4.82	1.01199	0.00060			
4.84	1.01401	0.00061			
4.86	1.01719	0.00060			
4.88	1.01863	0.00063			
4.90	1.02115	0.00060			

6000	7000	7500						
3.40	0.91326	0.00060	3.20	0.92050	0.00056	3.00	0.90358	0.00058
3.42	0.91671	0.00057	3.22	0.92438	0.00058	3.02	0.90632	0.00058
3.44	0.92021	0.00058	3.24	0.92846	0.00059	3.04	0.91127	0.00057
3.46	0.92278	0.00059	3.26	0.93110	0.00057	3.06	0.91426	0.00057
3.48	0.92762	0.00059	3.28	0.93550	0.00059	3.08	0.91744	0.00059
3.50	0.93021	0.00059	3.30	0.93896	0.00061	3.10	0.92154	0.00059
3.52	0.93513	0.00056	3.32	0.94198	0.00059	3.12	0.92538	0.00060
3.54	0.93769	0.00060	3.34	0.94570	0.00058	3.14	0.93014	0.00061
3.56	0.94013	0.00056	3.36	0.94935	0.00057	3.16	0.93347	0.00058
3.58	0.94361	0.00058	3.38	0.95262	0.00061	3.18	0.93786	0.00060
3.60	0.94644	0.00061	3.40	0.95667	0.00059	3.20	0.94139	0.00056
3.62	0.95100	0.00060	3.42	0.95972	0.00060	3.22	0.94457	0.00061
3.64	0.95399	0.00060	3.44	0.96366	0.00059	3.24	0.94905	0.00061
3.66	0.95644	0.00062	3.46	0.96748	0.00059	3.26	0.95297	0.00058
3.68	0.96006	0.00060	3.48	0.97021	0.00059	3.28	0.95585	0.00056
3.70	0.96337	0.00060	3.50	0.97474	0.00062	3.30	0.95952	0.00060
3.72	0.96585	0.00058	3.52	0.97774	0.00058	3.32	0.96348	0.00058
3.74	0.97000	0.00059	3.54	0.98185	0.00060	3.34	0.96773	0.00059
3.76	0.97350	0.00060	3.56	0.98541	0.00061	3.36	0.97079	0.00057
3.78	0.97677	0.00059	3.58	0.98911	0.00061	3.38	0.97462	0.00057
3.80	0.98037	0.00058	3.60	0.99080	0.00059	3.40	0.97781	0.00060
3.82	0.98269	0.00061	3.62	0.99536	0.00060	3.42	0.98181	0.00060
3.84	0.98574	0.00061	3.64	0.99764	0.00059	3.44	0.98475	0.00060
3.86	0.98750	0.00059	3.66	1.00294	0.00060	3.46	0.98873	0.00059
3.88	0.99251	0.00060	3.68	1.00481	0.00061	3.48	0.99303	0.00059
3.90	0.99585	0.00061	3.70	1.00818	0.00059	3.50	0.99647	0.00060
3.92	0.99754	0.00062				3.52	0.99970	0.00059
3.94	1.00064	0.00059				3.54	1.00418	0.00060
3.96	1.00367	0.00059				3.56	1.00683	0.00059
3.98	1.00683	0.00062				3.58	1.01032	0.00059
4.00	1.01144	0.00061				3.60	1.01409	0.00060

8000	9000	10000						
3.00	0.92169	0.00060	2.80	0.91736	0.00057	2.60	0.90791	0.00059
3.02	0.92636	0.00059	2.82	0.92222	0.00059	2.62	0.91235	0.00056
3.04	0.92966	0.00058	2.84	0.92560	0.00059	2.64	0.91775	0.00057
3.06	0.93425	0.00055	2.86	0.93104	0.00057	2.66	0.92160	0.00057
3.08	0.93661	0.00060	2.88	0.93440	0.00060	2.68	0.92606	0.00058
3.10	0.94192	0.00058	2.90	0.93934	0.00059	2.70	0.93103	0.00059

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3.12 0.94466 0.00058	2.92 0.94316 0.00057	2.72 0.93501 0.00058
3.14 0.94981 0.00058	2.94 0.94799 0.00059	2.74 0.94023 0.00061
3.16 0.95272 0.00058	2.96 0.95180 0.00057	2.76 0.94488 0.00058
3.18 0.95750 0.00056	2.98 0.95572 0.00056	2.78 0.94919 0.00059
3.20 0.96158 0.00059	3.00 0.96013 0.00059	2.80 0.95389 0.00057
3.22 0.96469 0.00060	3.02 0.96392 0.00058	2.82 0.95795 0.00059
3.24 0.96912 0.00061	3.04 0.96833 0.00059	2.84 0.96253 0.00057
3.26 0.97225 0.00058	3.06 0.97215 0.00058	2.86 0.96701 0.00060
3.28 0.97661 0.00059	3.08 0.97708 0.00059	2.88 0.97101 0.00058
3.30 0.97961 0.00059	3.10 0.97902 0.00057	2.90 0.97526 0.00055
3.32 0.98344 0.00060	3.12 0.98466 0.00059	2.92 0.97907 0.00061
3.34 0.98795 0.00059	3.14 0.98888 0.00064	2.94 0.98431 0.00059
3.36 0.99176 0.00058	3.16 0.99255 0.00058	2.96 0.98815 0.00060
3.38 0.99413 0.00060	3.18 0.99641 0.00059	2.98 0.99373 0.00060
3.40 0.99741 0.00061	3.20 1.00024 0.00060	3.00 0.99651 0.00057
3.42 1.00168 0.00060	3.22 1.00449 0.00058	3.02 1.00218 0.00060
3.44 1.00535 0.00059	3.24 1.00870 0.00059	3.04 1.00575 0.00058
3.46 1.00970 0.00060	3.26 1.01219 0.00059	3.06 1.00934 0.00059
3.48 1.01374 0.00057	3.28 1.01677 0.00061	3.08 1.01356 0.00058
3.50 1.01715 0.00059	3.30 1.01939 0.00060	3.10 1.01850 0.00059

15000	19600
2.00 0.90113 0.00054	1.70 0.91898 0.00056
2.02 0.90709 0.00056	1.72 0.92633 0.00052
2.04 0.91271 0.00054	1.74 0.93361 0.00055
2.06 0.91849 0.00053	1.76 0.94061 0.00057
2.08 0.92523 0.00056	1.78 0.94793 0.00054
2.10 0.93088 0.00057	1.80 0.95577 0.00055
2.12 0.93711 0.00056	1.82 0.96313 0.00056
2.14 0.94257 0.00055	1.84 0.97100 0.00055
2.16 0.94985 0.00057	1.86 0.97794 0.00057
2.18 0.95511 0.00056	1.88 0.98498 0.00055
2.20 0.96061 0.00057	1.90 0.99130 0.00057
2.22 0.96545 0.00057	1.92 0.99880 0.00057
2.24 0.97303 0.00056	1.94 1.00664 0.00055
2.26 0.97850 0.00057	1.96 1.01271 0.00059
2.28 0.98348 0.00059	1.98 1.01927 0.00056
2.30 0.98931 0.00057	2.00 1.02629 0.00056
2.32 0.99563 0.00057	
2.34 1.00145 0.00057	
2.36 1.00731 0.00056	
2.38 1.01221 0.00058	
2.40 1.01738 0.00059	

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10	11	12
999.98 0.99157 0.00019	20.00 0.94356 0.00030	15.00 0.92374 0.00034
999.99 0.99157 0.00019	21.00 0.95036 0.00029	15.25 0.92771 0.00035
	22.00 0.95744 0.00029	15.50 0.93079 0.00033
	23.00 0.96226 0.00028	15.75 0.93449 0.00034
	24.00 0.96756 0.00028	16.00 0.93750 0.00034
	25.00 0.97241 0.00027	16.25 0.94145 0.00031
	26.00 0.97633 0.00028	16.50 0.94421 0.00033

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27.00	0.98023	0.00027	16.75	0.94715	0.00032
28.00	0.98374	0.00027	17.00	0.95043	0.00032
29.00	0.98659	0.00027	17.25	0.95273	0.00032
30.00	0.98948	0.00026	17.50	0.95632	0.00032
31.00	0.99187	0.00026	17.75	0.95806	0.00032
32.00	0.99393	0.00025	18.00	0.96118	0.00032
33.00	0.99602	0.00026	18.25	0.96276	0.00032
34.00	0.99803	0.00024	18.50	0.96616	0.00031
35.00	1.00028	0.00025	18.75	0.96859	0.00031
36.00	1.00165	0.00025	19.00	0.97002	0.00031
37.00	1.00387	0.00025	19.25	0.97278	0.00031
38.00	1.00467	0.00024	19.50	0.97493	0.00030
39.00	1.00655	0.00024	19.75	0.97685	0.00031
40.00	1.00688	0.00024	20.00	0.97932	0.00031
41.00	1.00889	0.00023	20.25	0.98143	0.00030
42.00	1.00982	0.00024	20.50	0.98238	0.00028
43.00	1.01074	0.00024	20.75	0.98490	0.00030
44.00	1.01156	0.00024	21.00	0.98648	0.00030
45.00	1.01278	0.00023	21.25	0.98735	0.00032
			21.50	0.98983	0.00031
			21.75	0.99129	0.00030
			22.00	0.99234	0.00031
			22.25	0.99431	0.00030
			22.50	0.99480	0.00031
			22.75	0.99756	0.00030
			23.00	0.99814	0.00030
			23.25	1.00004	0.00030
			23.50	1.00051	0.00029
			23.75	1.00246	0.00028
			24.00	1.00374	0.00030

15	20	25						
11.00	0.91325	0.00041	9.00	0.91909	0.00048	8.00	0.91711	0.00052
11.25	0.92133	0.00041	9.20	0.92816	0.00048	8.05	0.91960	0.00051
11.50	0.92743	0.00039	9.40	0.93803	0.00047	8.10	0.92267	0.00052
11.75	0.93556	0.00041	9.60	0.94803	0.00045	8.15	0.92594	0.00050
12.00	0.94332	0.00039	9.80	0.95562	0.00046	8.20	0.92946	0.00052
12.25	0.94982	0.00041	10.00	0.96466	0.00045	8.25	0.93176	0.00052
12.50	0.95649	0.00039	10.20	0.97252	0.00049	8.30	0.93544	0.00051
12.75	0.96149	0.00039	10.40	0.98100	0.00048	8.35	0.93875	0.00053
13.00	0.96764	0.00038	10.60	0.98863	0.00045	8.40	0.94131	0.00051
13.25	0.97327	0.00039	10.80	0.99610	0.00046	8.45	0.94456	0.00051
13.50	0.97896	0.00039	11.00	1.00274	0.00047	8.50	0.94708	0.00054
13.75	0.98316	0.00038	11.20	1.01002	0.00045	8.55	0.95036	0.00050
14.00	0.98840	0.00037	11.40	1.01668	0.00044	8.60	0.95372	0.00050
14.25	0.99296	0.00039	11.60	1.02305	0.00044	8.65	0.95498	0.00050
14.50	0.99796	0.00039	11.80	1.02931	0.00042	8.70	0.95873	0.00054
14.75	1.00240	0.00037	12.00	1.03394	0.00047	8.75	0.96167	0.00052
15.00	1.00681	0.00036	12.20	1.04081	0.00045	8.80	0.96475	0.00050
15.25	1.01099	0.00037	12.40	1.04532	0.00047	8.85	0.96717	0.00049
15.50	1.01408	0.00038	12.60	1.05143	0.00045	8.90	0.97074	0.00052
15.75	1.01805	0.00037	12.80	1.05630	0.00043	8.95	0.97327	0.00050
16.00	1.02110	0.00036	13.00	1.06140	0.00044	9.00	0.97536	0.00051
			9.05	0.97863	0.00050			
			9.10	0.98078	0.00051			
			9.15	0.98309	0.00050			
			9.20	0.98568	0.00051			
			9.25	0.98817	0.00050			

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9.30	0.99104	0.00050
9.35	0.99295	0.00052
9.40	0.99527	0.00049
9.45	0.99881	0.00051
9.50	1.00094	0.00050
9.55	1.00315	0.00050
9.60	1.00591	0.00050

	30		40		50
7.50	0.91851	0.00055	6.90	0.91893	0.00057
7.55	0.92335	0.00054	6.95	0.92364	0.00057
7.60	0.92712	0.00056	7.00	0.92797	0.00058
7.65	0.93028	0.00055	7.05	0.93202	0.00060
7.70	0.93471	0.00055	7.10	0.93783	0.00056
7.75	0.93835	0.00054	7.15	0.94111	0.00056
7.80	0.94183	0.00054	7.20	0.94636	0.00060
7.85	0.94475	0.00055	7.25	0.94877	0.00058
7.90	0.94939	0.00057	7.30	0.95300	0.00057
7.95	0.95173	0.00055	7.35	0.95671	0.00057
8.00	0.95589	0.00055	7.40	0.96061	0.00060
8.05	0.95887	0.00054	7.45	0.96468	0.00057
8.10	0.96048	0.00053	7.50	0.96811	0.00060
8.15	0.96568	0.00055	7.55	0.97291	0.00057
8.20	0.96921	0.00055	7.60	0.97644	0.00060
8.25	0.97180	0.00055	7.65	0.97947	0.00058
8.30	0.97388	0.00057	7.70	0.98442	0.00059
8.35	0.97809	0.00055	7.75	0.98889	0.00059
8.40	0.98119	0.00055	7.80	0.99109	0.00057
8.45	0.98444	0.00053	7.85	0.99456	0.00058
8.50	0.98676	0.00054	7.90	0.99883	0.00060
8.55	0.99055	0.00052	7.95	1.00057	0.00057
8.60	0.99299	0.00054	8.00	1.00456	0.00059
8.65	0.99513	0.00054	8.05	1.00930	0.00058
8.70	0.99897	0.00054	8.10	1.01080	0.00058
8.75	1.00224	0.00053			
8.80	1.00488	0.00053			
8.85	1.00706	0.00054			
8.90	1.01035	0.00054			
8.95	1.01304	0.00052			
9.00	1.01595	0.00055			

	75		100		150
6.30	0.92231	0.00063	6.20	0.92221	0.00066
6.35	0.92666	0.00062	6.25	0.92736	0.00067
6.40	0.93178	0.00065	6.30	0.93187	0.00065
6.45	0.93710	0.00064	6.35	0.93632	0.00068
6.50	0.94209	0.00064	6.40	0.94177	0.00066
6.55	0.94658	0.00067	6.45	0.94666	0.00066
6.60	0.95228	0.00063	6.50	0.94951	0.00067
6.65	0.95616	0.00064	6.55	0.95616	0.00064
6.70	0.96090	0.00064	6.60	0.96126	0.00066
6.75	0.96502	0.00064	6.65	0.96524	0.00065
6.80	0.97089	0.00064	6.70	0.97009	0.00065

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6.85 0.97468 0.00066	6.75 0.97547 0.00065	6.55 0.95774 0.00066
6.90 0.97806 0.00063	6.80 0.97957 0.00070	6.60 0.96224 0.00067
6.95 0.98282 0.00060	6.85 0.98484 0.00063	6.65 0.96604 0.00066
7.00 0.98642 0.00065	6.90 0.98878 0.00062	6.70 0.97041 0.00069
7.05 0.99140 0.00063	6.95 0.99348 0.00066	6.75 0.97526 0.00066
7.10 0.99513 0.00063	7.00 0.99598 0.00063	6.80 0.98021 0.00066
7.15 1.00072 0.00065	7.05 1.00136 0.00062	6.85 0.98213 0.00066
7.20 1.00356 0.00063	7.10 1.00498 0.00067	6.90 0.98760 0.00067
7.25 1.00809 0.00062	7.15 1.00933 0.00066	6.95 0.99217 0.00067
7.30 1.01229 0.00064	7.20 1.01375 0.00067	7.00 0.99680 0.00067
		7.05 1.00135 0.00069
		7.10 1.00437 0.00068
		7.15 1.00814 0.00065
		7.20 1.01229 0.00067

200	350	500
6.20 0.92001 0.00068	6.40 0.92580 0.00065	6.40 0.92226 0.00065
6.25 0.92404 0.00066	6.45 0.92938 0.00066	6.45 0.92531 0.00068
6.30 0.93027 0.00066	6.50 0.93243 0.00065	6.50 0.93066 0.00065
6.35 0.93305 0.00069	6.55 0.93857 0.00064	6.55 0.93430 0.00066
6.40 0.93756 0.00068	6.60 0.94227 0.00068	6.60 0.93721 0.00065
6.45 0.94071 0.00068	6.65 0.94613 0.00067	6.65 0.94144 0.00065
6.50 0.94752 0.00066	6.70 0.94870 0.00068	6.70 0.94559 0.00064
6.55 0.95075 0.00065	6.75 0.95404 0.00065	6.75 0.94941 0.00066
6.60 0.95551 0.00067	6.80 0.95912 0.00065	6.80 0.95321 0.00064
6.65 0.95978 0.00068	6.85 0.96107 0.00066	6.85 0.95600 0.00067
6.70 0.96528 0.00065	6.90 0.96630 0.00065	6.90 0.96202 0.00066
6.75 0.96934 0.00065	6.95 0.96929 0.00069	6.95 0.96465 0.00066
6.80 0.97288 0.00066	7.00 0.97322 0.00067	7.00 0.96987 0.00064
6.85 0.97909 0.00067	7.05 0.97816 0.00067	7.05 0.97279 0.00064
6.90 0.98107 0.00069	7.10 0.98198 0.00065	7.10 0.97700 0.00064
6.95 0.98672 0.00068	7.15 0.98496 0.00066	7.15 0.98056 0.00065
7.00 0.98920 0.00067	7.20 0.98888 0.00067	7.20 0.98377 0.00067
7.05 0.99288 0.00068	7.25 0.99182 0.00067	7.25 0.98722 0.00067
7.10 0.99807 0.00068	7.30 0.99532 0.00067	7.30 0.99204 0.00066
7.15 1.00264 0.00068	7.35 1.00110 0.00066	7.35 0.99315 0.00066
7.20 1.00597 0.00067	7.40 1.00302 0.00067	7.40 0.99709 0.00066
7.25 1.00902 0.00068		7.45 1.00037 0.00065
7.30 1.01388 0.00067		7.50 1.00291 0.00063
		7.55 1.00718 0.00068
		7.60 1.01060 0.00065

750	1000	1500
6.30 0.92146 0.00063	6.00 0.91091 0.00062	5.60 0.92136 0.00060
6.35 0.92467 0.00065	6.05 0.91456 0.00062	5.65 0.92302 0.00061
6.40 0.93008 0.00064	6.10 0.92057 0.00065	5.70 0.92922 0.00060
6.45 0.93328 0.00062	6.15 0.92591 0.00063	5.75 0.93459 0.00062
6.50 0.93660 0.00063	6.20 0.92945 0.00064	5.80 0.93902 0.00060
6.55 0.94178 0.00064	6.25 0.93426 0.00061	5.85 0.94348 0.00062
6.60 0.94476 0.00063	6.30 0.93772 0.00064	5.90 0.94866 0.00061
6.65 0.95120 0.00064	6.35 0.94304 0.00060	5.95 0.95432 0.00062
6.70 0.95338 0.00065	6.40 0.94690 0.00066	6.00 0.95804 0.00062
6.75 0.95723 0.00064	6.45 0.95051 0.00064	6.05 0.96248 0.00061

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6.80	0.96172	0.00064	6.50	0.95458	0.00062	6.10	0.96717	0.00060
6.85	0.96484	0.00066	6.55	0.95987	0.00062	6.15	0.97112	0.00060
6.90	0.96756	0.00064	6.60	0.96175	0.00064	6.20	0.97553	0.00060
6.95	0.97366	0.00064	6.65	0.96591	0.00064	6.25	0.98074	0.00062
7.00	0.97569	0.00063	6.70	0.96990	0.00065	6.30	0.98449	0.00060
7.05	0.97855	0.00065	6.75	0.97315	0.00063	6.35	0.98941	0.00062
7.10	0.98289	0.00063	6.80	0.97796	0.00063	6.40	0.99229	0.00061
7.15	0.98676	0.00062	6.85	0.98178	0.00064	6.45	0.99756	0.00063
7.20	0.98845	0.00066	6.90	0.98428	0.00063	6.50	1.00139	0.00060
7.25	0.99292	0.00065	6.95	0.98943	0.00064	6.55	1.00435	0.00063
7.30	0.99582	0.00062	7.00	0.99143	0.00061	6.60	1.00836	0.00061
7.35	0.99936	0.00064	7.05	0.99698	0.00062			
7.40	1.00429	0.00064	7.10	0.99882	0.00062			
7.45	1.00763	0.00065	7.15	1.00335	0.00063			
7.50	1.00969	0.00063	7.20	1.00616	0.00062			

2000	2500	3000						
5.00	0.90353	0.00061	4.70	0.91485	0.00058	4.40	0.92026	0.00059
5.05	0.90932	0.00061	4.72	0.91776	0.00056	4.42	0.92305	0.00058
5.10	0.91589	0.00060	4.74	0.92097	0.00056	4.44	0.92618	0.00055
5.15	0.92097	0.00062	4.76	0.92266	0.00060	4.46	0.92809	0.00061
5.20	0.92677	0.00057	4.78	0.92522	0.00059	4.48	0.93175	0.00059
5.25	0.93363	0.00059	4.80	0.92709	0.00058	4.50	0.93342	0.00058
5.30	0.93740	0.00059	4.82	0.93042	0.00058	4.52	0.93793	0.00058
5.35	0.94310	0.00059	4.84	0.93318	0.00057	4.54	0.94016	0.00058
5.40	0.94925	0.00059	4.86	0.93606	0.00061	4.56	0.94277	0.00060
5.45	0.95382	0.00060	4.88	0.93861	0.00060	4.58	0.94594	0.00058
5.50	0.96010	0.00060	4.90	0.94034	0.00057	4.60	0.94885	0.00059
5.55	0.96522	0.00060	4.92	0.94325	0.00059	4.62	0.94954	0.00059
5.60	0.96993	0.00060	4.94	0.94590	0.00059	4.64	0.95377	0.00061
5.65	0.97593	0.00059	4.96	0.94853	0.00057	4.66	0.95778	0.00059
5.70	0.98077	0.00059	4.98	0.95103	0.00057	4.68	0.96011	0.00056
5.75	0.98659	0.00062	5.00	0.95240	0.00059	4.70	0.96142	0.00058
5.80	0.98881	0.00062	5.02	0.95509	0.00058	4.72	0.96459	0.00059
5.85	0.99486	0.00059	5.04	0.95780	0.00061	4.74	0.96813	0.00057
5.90	1.00049	0.00059	5.06	0.96047	0.00059	4.76	0.97000	0.00060
5.95	1.00511	0.00061	5.08	0.96272	0.00057	4.78	0.97301	0.00058
6.00	1.01005	0.00060	5.10	0.96550	0.00059	4.80	0.97629	0.00061
			5.12	0.96751	0.00059	4.82	0.97853	0.00057
			5.14	0.96986	0.00061	4.84	0.97996	0.00058
			5.16	0.97327	0.00060	4.86	0.98378	0.00057
			5.18	0.97428	0.00057	4.88	0.98590	0.00059
			5.20	0.97664	0.00060	4.90	0.98853	0.00057
			5.22	0.97915	0.00060	4.92	0.99185	0.00058
			5.24	0.98175	0.00058	4.94	0.99419	0.00061
			5.26	0.98322	0.00059	4.96	0.99639	0.00060
			5.28	0.98593	0.00058	4.98	0.99873	0.00056
			5.30	0.98831	0.00059	5.00	1.00158	0.00060
			5.32	0.98987	0.00061	5.02	1.00390	0.00058
			5.34	0.99246	0.00056	5.04	1.00609	0.00058
			5.36	0.99540	0.00060	5.06	1.00866	0.00059
			5.38	0.99717	0.00060	5.08	1.01100	0.00059
			5.40	0.99954	0.00061	5.10	1.01402	0.00058
			5.42	1.00135	0.00060			
			5.44	1.00403	0.00057			
			5.46	1.00510	0.00059			
			5.48	1.00810	0.00058			
			5.50	1.01053	0.00059			

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4000	5000	7500
3.80 0.90844 0.00056	3.40 0.90793 0.00056	2.70 0.90233 0.00055
3.82 0.91229 0.00057	3.42 0.91246 0.00056	2.72 0.90791 0.00053
3.84 0.91540 0.00057	3.44 0.91616 0.00055	2.74 0.91376 0.00053
3.86 0.91927 0.00058	3.46 0.91951 0.00057	2.76 0.91813 0.00054
3.88 0.92321 0.00057	3.48 0.92490 0.00056	2.78 0.92362 0.00053
3.90 0.92619 0.00055	3.50 0.92867 0.00053	2.80 0.92947 0.00053
3.92 0.92972 0.00056	3.52 0.93251 0.00056	2.82 0.93382 0.00053
3.94 0.93372 0.00058	3.54 0.93687 0.00057	2.84 0.93883 0.00052
3.96 0.93712 0.00057	3.56 0.94094 0.00056	2.86 0.94404 0.00054
3.98 0.94080 0.00056	3.58 0.94460 0.00055	2.88 0.94884 0.00057
4.00 0.94298 0.00056	3.60 0.94772 0.00054	2.90 0.95433 0.00056
4.02 0.94528 0.00057	3.62 0.95169 0.00056	2.92 0.95836 0.00055
4.04 0.94966 0.00060	3.64 0.95553 0.00055	2.94 0.96470 0.00053
4.06 0.95438 0.00056	3.66 0.95898 0.00057	2.96 0.96933 0.00053
4.08 0.95699 0.00058	3.68 0.96388 0.00059	2.98 0.97384 0.00053
4.10 0.96048 0.00056	3.70 0.96670 0.00058	3.00 0.97968 0.00055
4.12 0.96386 0.00058	3.72 0.97138 0.00057	3.02 0.98433 0.00055
4.14 0.96629 0.00056	3.74 0.97482 0.00055	3.04 0.98938 0.00055
4.16 0.96952 0.00059	3.76 0.97885 0.00056	3.06 0.99438 0.00054
4.18 0.97398 0.00056	3.78 0.98268 0.00057	3.08 0.99843 0.00055
4.20 0.97692 0.00058	3.80 0.98701 0.00057	3.10 1.00359 0.00055
4.22 0.98035 0.00058	3.82 0.98932 0.00058	3.12 1.00761 0.00055
4.24 0.98371 0.00058	3.84 0.99358 0.00055	3.14 1.01398 0.00055
4.26 0.98568 0.00056	3.86 0.99761 0.00057	3.16 1.01845 0.00057
4.28 0.98950 0.00059	3.88 1.00001 0.00056	3.18 1.02300 0.00053
4.30 0.99187 0.00058	3.90 1.00425 0.00057	3.20 1.02744 0.00054
4.32 0.99523 0.00059	3.92 1.00813 0.00058	
4.34 0.99913 0.00057	3.94 1.01288 0.00059	
4.36 1.00181 0.00058	3.96 1.01469 0.00056	
4.38 1.00521 0.00059	3.98 1.01860 0.00057	
4.40 1.00796 0.00059	4.00 1.02307 0.00059	

10000	15000	19600
2.30 0.91951 0.00053	1.65 0.91681 0.00049	1.25 0.91461 0.00047
2.32 0.92607 0.00049	1.67 0.92428 0.00047	1.26 0.91914 0.00048
2.34 0.93163 0.00048	1.69 0.93243 0.00048	1.27 0.92419 0.00048
2.36 0.93818 0.00054	1.71 0.94015 0.00049	1.28 0.92976 0.00047
2.38 0.94429 0.00051	1.73 0.94827 0.00048	1.29 0.93442 0.00049
2.40 0.95082 0.00050	1.75 0.95582 0.00048	1.30 0.93881 0.00050
2.42 0.95647 0.00052	1.77 0.96421 0.00048	1.31 0.94454 0.00049
2.44 0.96347 0.00052	1.79 0.97246 0.00049	1.32 0.94961 0.00052
2.46 0.96780 0.00052	1.81 0.97917 0.00049	1.33 0.95375 0.00049
2.48 0.97398 0.00053	1.83 0.98727 0.00049	1.34 0.95996 0.00049
2.50 0.98083 0.00052	1.85 0.99468 0.00051	1.35 0.96474 0.00051
2.52 0.98668 0.00052	1.87 1.00214 0.00050	1.36 0.96941 0.00048
2.54 0.99305 0.00052	1.89 1.01058 0.00050	1.37 0.97331 0.00050
2.56 0.99830 0.00051	1.90 1.01379 0.00050	1.38 0.97882 0.00049
2.58 1.00355 0.00053		1.39 0.98429 0.00051
2.60 1.00930 0.00052		1.40 0.98956 0.00051
		1.41 0.99455 0.00048
		1.42 0.99817 0.00050
		1.43 1.00395 0.00050
		1.44 1.00854 0.00052
		1.45 1.01377 0.00051

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10	11	12
999.98 0.99157 0.00019	18.00 0.93939 0.00031	13.00 0.91572 0.00034
999.99 0.99157 0.00019	19.00 0.94751 0.00030	13.75 0.92794 0.00032
	20.00 0.95401 0.00029	14.50 0.93823 0.00033
	21.00 0.96029 0.00028	15.25 0.94750 0.00031
	22.00 0.96562 0.00028	16.00 0.95595 0.00032
	23.00 0.97023 0.00028	16.75 0.96343 0.00032
	24.00 0.97457 0.00026	17.50 0.97136 0.00031
	25.00 0.97828 0.00026	18.25 0.97726 0.00030
	26.00 0.98220 0.00025	19.00 0.98260 0.00030
	27.00 0.98596 0.00026	19.75 0.98805 0.00030
	28.00 0.98749 0.00026	20.50 0.99327 0.00030
	29.00 0.99072 0.00026	21.25 0.99715 0.00030
	30.00 0.99331 0.00027	22.00 1.00153 0.00028
	31.00 0.99516 0.00026	22.75 1.00515 0.00029
	32.00 0.99730 0.00025	23.50 1.00846 0.00028
	33.00 0.99980 0.00025	24.25 1.01184 0.00028
	34.00 1.00077 0.00024	25.00 1.01525 0.00028
	35.00 1.00216 0.00024	25.75 1.01725 0.00026
	36.00 1.00430 0.00024	26.50 1.01995 0.00028
	37.00 1.00569 0.00024	27.25 1.02292 0.00027
	38.00 1.00659 0.00023	28.00 1.02417 0.00027
	39.00 1.00824 0.00024	28.75 1.02661 0.00026
	40.00 1.00918 0.00024	29.50 1.02863 0.00027
		30.00 1.02962 0.00027

**15**

9.90 0.92646 0.00041
10.10 0.93267 0.00040
10.30 0.93748 0.00040
10.50 0.94360 0.00039
10.70 0.94933 0.00039
10.90 0.95382 0.00039
11.10 0.95897 0.00039
11.30 0.96356 0.00040
11.50 0.96812 0.00039
11.70 0.97248 0.00037
11.90 0.97645 0.00038
12.10 0.98089 0.00036
12.30 0.98518 0.00038
12.50 0.98878 0.00037
12.70 0.99258 0.00037
12.90 0.99699 0.00038
13.10 1.00026 0.00037
13.20 1.00168 0.00036

**20**

7.00 0.89338 0.00045
7.25 0.90708 0.00048
7.50 0.92056 0.00044
7.75 0.93223 0.00044
8.00 0.94391 0.00047
8.25 0.95611 0.00045
8.50 0.96654 0.00046
8.75 0.97708 0.00046
9.00 0.98665 0.00045
9.25 0.99582 0.00046
9.50 1.00378 0.00044
9.75 1.01238 0.00043
10.00 1.02004 0.00044
10.25 1.02816 0.00043
10.50 1.03550 0.00043
10.75 1.04152 0.00043
11.00 1.04893 0.00045
11.25 1.05628 0.00043
11.50 1.06185 0.00044
11.75 1.06747 0.00043
12.00 1.07366 0.00041
12.25 1.07984 0.00043
12.50 1.08459 0.00042
12.75 1.08930 0.00041
13.00 1.09431 0.00041

**25**

6.60 0.92504 0.00051
6.65 0.92901 0.00049
6.70 0.93208 0.00050
6.75 0.93528 0.00052
6.80 0.93748 0.00050
6.85 0.94034 0.00051
6.90 0.94377 0.00050
6.95 0.94706 0.00051
7.00 0.94994 0.00051
7.05 0.95346 0.00049
7.10 0.95634 0.00051
7.15 0.95931 0.00046
7.20 0.96224 0.00050
7.25 0.96393 0.00049
7.30 0.96710 0.00051
7.35 0.97027 0.00049
7.40 0.97222 0.00050
7.45 0.97525 0.00047
7.50 0.97824 0.00048
7.55 0.98074 0.00049
7.60 0.98280 0.00050
7.65 0.98505 0.00049
7.70 0.98792 0.00049
7.75 0.99072 0.00049
7.80 0.99301 0.00049
7.85 0.99608 0.00048
7.90 0.99725 0.00050
7.95 0.99973 0.00049
8.00 1.00248 0.00048
8.05 1.00483 0.00048
8.10 1.00689 0.00049

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30	40	50
6.00 0.92293 0.00053	5.40 0.92534 0.00059	5.00 0.91754 0.00059
6.05 0.92746 0.00054	5.45 0.92845 0.00057	5.05 0.92256 0.00057
6.10 0.93153 0.00052	5.50 0.93291 0.00057	5.10 0.92704 0.00059
6.15 0.93458 0.00054	5.55 0.93817 0.00057	5.15 0.93231 0.00060
6.20 0.93708 0.00053	5.60 0.94190 0.00058	5.20 0.93618 0.00059
6.25 0.94124 0.00055	5.65 0.94488 0.00059	5.25 0.93984 0.00059
6.30 0.94498 0.00053	5.70 0.95060 0.00056	5.30 0.94455 0.00060
6.35 0.94883 0.00053	5.75 0.95486 0.00055	5.40 0.95341 0.00060
6.40 0.95129 0.00051	5.80 0.95853 0.00055	5.45 0.95803 0.00061
6.45 0.95587 0.00052	5.85 0.96240 0.00057	5.50 0.96196 0.00059
6.50 0.95888 0.00053	5.90 0.96533 0.00059	5.55 0.96681 0.00060
6.55 0.96212 0.00051	5.95 0.97028 0.00054	5.60 0.97083 0.00058
6.60 0.96546 0.00052	6.00 0.97426 0.00057	5.65 0.97473 0.00059
6.65 0.96796 0.00051	6.05 0.97745 0.00058	5.70 0.97882 0.00059
6.70 0.97169 0.00052	6.10 0.98159 0.00056	5.75 0.98398 0.00058
6.75 0.97552 0.00053	6.15 0.98532 0.00057	5.80 0.98722 0.00059
6.85 0.98090 0.00053	6.20 0.98893 0.00058	5.85 0.99119 0.00058
6.90 0.98415 0.00053	6.25 0.99187 0.00056	5.90 0.99444 0.00058
6.95 0.98674 0.00052	6.30 0.99494 0.00056	5.95 0.99995 0.00057
7.00 0.99135 0.00055	6.35 1.00015 0.00057	6.00 1.00244 0.00060
7.05 0.99319 0.00052	6.40 1.00242 0.00058	6.05 1.00704 0.00059
7.10 0.99545 0.00054	6.45 1.00554 0.00057	6.10 1.01049 0.00057
7.15 0.99870 0.00050	6.50 1.00956 0.00058	
7.20 1.00195 0.00052		
7.25 1.00514 0.00052		
7.30 1.00765 0.00053		

75	100	150
4.75 0.92740 0.00062	4.60 0.92275 0.00064	4.55 0.92225 0.00066
4.80 0.93100 0.00065	4.65 0.92888 0.00064	4.60 0.92770 0.00067
4.85 0.93624 0.00062	4.70 0.93401 0.00064	4.65 0.93184 0.00060
4.90 0.94125 0.00062	4.75 0.93937 0.00063	4.70 0.93591 0.00065
4.95 0.94592 0.00061	4.80 0.94329 0.00065	4.75 0.94240 0.00066
5.00 0.95050 0.00064	4.85 0.94710 0.00065	4.80 0.94575 0.00066
5.05 0.95572 0.00063	4.90 0.95240 0.00062	4.85 0.95192 0.00063
5.10 0.96093 0.00061	4.95 0.95706 0.00061	4.90 0.95597 0.00065
5.15 0.96536 0.00062	5.00 0.96239 0.00062	5.00 0.96476 0.00065
5.20 0.96920 0.00062	5.05 0.96681 0.00063	5.15 0.97807 0.00065
5.25 0.97310 0.00064	5.10 0.97167 0.00064	5.20 0.98265 0.00064
5.30 0.97923 0.00059	5.20 0.98031 0.00065	5.25 0.98728 0.00064
5.35 0.98317 0.00065	5.25 0.98523 0.00064	5.30 0.99144 0.00062
5.40 0.98796 0.00061	5.30 0.98945 0.00065	5.35 0.99575 0.00062
5.45 0.99183 0.00062	5.40 0.99714 0.00067	5.40 1.00026 0.00066
5.50 0.99765 0.00062	5.45 1.00248 0.00065	5.45 1.00393 0.00066
5.55 1.00032 0.00063	5.50 1.00661 0.00064	5.50 1.00733 0.00066
5.60 1.00518 0.00061		

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200	350	500
4.60 0.92266 0.00065	4.70 0.92182 0.00066	4.70 0.91789 0.00062
4.65 0.92774 0.00066	4.75 0.92638 0.00066	4.75 0.92208 0.00065
4.70 0.93263 0.00066	4.80 0.92975 0.00066	4.80 0.92773 0.00065
4.80 0.94223 0.00065	4.90 0.93908 0.00063	4.85 0.93046 0.00068
4.85 0.94770 0.00066	4.95 0.94306 0.00063	4.90 0.93480 0.00064
4.90 0.95167 0.00066	5.00 0.94773 0.00065	4.95 0.93908 0.00062
4.95 0.95612 0.00065	5.05 0.95149 0.00066	5.00 0.94303 0.00063
5.00 0.96080 0.00064	5.10 0.95566 0.00065	5.05 0.94697 0.00067
5.05 0.96423 0.00064	5.15 0.95954 0.00065	5.10 0.95020 0.00065
5.10 0.96934 0.00062	5.20 0.96355 0.00068	5.15 0.95495 0.00065
5.15 0.97294 0.00064	5.25 0.96746 0.00063	5.20 0.95786 0.00064
5.20 0.97738 0.00066	5.30 0.97080 0.00064	5.25 0.96139 0.00065
5.25 0.98265 0.00065	5.35 0.97616 0.00064	5.30 0.96666 0.00066
5.30 0.98497 0.00065	5.40 0.97818 0.00064	5.35 0.96989 0.00062
5.35 0.99115 0.00065	5.45 0.98170 0.00065	5.40 0.97307 0.00063
5.45 0.99815 0.00065	5.50 0.98667 0.00065	5.45 0.97725 0.00065
5.50 1.00208 0.00062	5.55 0.99129 0.00065	5.50 0.98123 0.00064
5.55 1.00539 0.00067	5.60 0.99449 0.00068	5.55 0.98430 0.00064
5.60 1.00934 0.00065	5.65 0.99601 0.00066	5.60 0.98861 0.00062
	5.75 1.00349 0.00067	5.65 0.99264 0.00065
	5.80 1.00813 0.00066	5.70 0.99437 0.00064
	5.85 1.01115 0.00064	5.75 0.99887 0.00064
	5.90 1.01466 0.00064	5.80 1.00176 0.00066
	5.95 1.01801 0.00063	5.85 1.00446 0.00065
	6.00 1.02091 0.00065	5.90 1.00827 0.00063
		5.95 1.01223 0.00064
		6.00 1.01369 0.00064

750	1000	1500
4.70 0.92302 0.00063	4.50 0.92030 0.00063	4.00 0.91048 0.00062
4.75 0.92729 0.00063	4.55 0.92421 0.00060	4.05 0.91687 0.00064
4.80 0.93182 0.00063	4.60 0.92964 0.00063	4.10 0.92201 0.00060
4.85 0.93679 0.00066	4.65 0.93356 0.00063	4.15 0.92741 0.00061
4.90 0.94062 0.00065	4.70 0.93907 0.00062	4.20 0.93149 0.00060
4.95 0.94400 0.00064	4.75 0.94218 0.00062	4.25 0.93678 0.00059
5.00 0.94824 0.00063	4.80 0.94616 0.00063	4.30 0.94121 0.00059
5.05 0.95205 0.00065	4.85 0.95001 0.00063	4.35 0.94571 0.00061
5.10 0.95581 0.00064	4.90 0.95498 0.00063	4.40 0.95053 0.00062
5.15 0.96033 0.00065	4.95 0.95919 0.00061	4.45 0.95630 0.00062
5.20 0.96343 0.00065	5.00 0.96180 0.00061	4.50 0.96042 0.00062
5.25 0.96855 0.00061	5.05 0.96615 0.00061	4.55 0.96460 0.00064
5.30 0.97102 0.00064	5.10 0.97065 0.00064	4.60 0.96912 0.00060
5.35 0.97495 0.00065	5.15 0.97476 0.00063	4.65 0.97418 0.00061
5.40 0.97930 0.00063	5.20 0.97811 0.00063	4.70 0.97851 0.00062
5.45 0.98115 0.00061	5.25 0.98154 0.00062	4.75 0.98305 0.00064
5.50 0.98514 0.00061	5.30 0.98611 0.00063	4.80 0.98638 0.00061
5.55 0.98930 0.00062	5.35 0.98894 0.00065	4.85 0.98992 0.00064
5.60 0.99185 0.00065	5.40 0.99297 0.00061	4.90 0.99585 0.00061
5.65 0.99736 0.00063	5.45 0.99630 0.00062	4.95 1.00011 0.00061
5.70 1.00012 0.00063	5.50 0.99973 0.00063	5.00 1.00293 0.00063
5.75 1.00329 0.00064	5.55 1.00372 0.00063	
5.80 1.00655 0.00062	5.60 1.00831 0.00062	
5.85 1.00860 0.00063		
5.90 1.01255 0.00065		
5.95 1.01553 0.00064		
6.00 1.01876 0.00063		

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2000	2500	3000
3.70 0.92117 0.00060	3.30 0.91228 0.00060	3.00 0.90962 0.00061
3.75 0.92720 0.00057	3.32 0.91482 0.00059	3.02 0.91233 0.00060
3.80 0.93251 0.00060	3.34 0.91902 0.00061	3.04 0.91468 0.00057
3.85 0.93824 0.00061	3.36 0.92103 0.00060	3.06 0.91836 0.00057
3.90 0.94314 0.00059	3.38 0.92301 0.00058	3.08 0.92273 0.00061
3.95 0.94874 0.00061	3.40 0.92583 0.00060	3.10 0.92404 0.00059
4.00 0.95466 0.00060	3.42 0.92878 0.00060	3.12 0.92709 0.00060
4.05 0.96028 0.00062	3.44 0.93142 0.00061	3.14 0.93049 0.00061
4.10 0.96543 0.00061	3.46 0.93443 0.00062	3.16 0.93370 0.00060
4.15 0.97095 0.00059	3.48 0.93582 0.00062	3.18 0.93636 0.00059
4.20 0.97464 0.00061	3.50 0.93879 0.00061	3.20 0.93976 0.00059
4.25 0.98090 0.00059	3.52 0.94132 0.00060	3.22 0.94031 0.00059
4.30 0.98436 0.00062	3.54 0.94379 0.00060	3.24 0.94409 0.00061
4.35 0.99116 0.00062	3.56 0.94711 0.00061	3.26 0.94708 0.00060
4.40 0.99615 0.00062	3.58 0.94951 0.00063	3.28 0.95027 0.00059
4.45 1.00122 0.00061	3.60 0.95178 0.00060	3.30 0.95351 0.00062
4.50 1.00521 0.00062	3.62 0.95364 0.00062	3.32 0.95548 0.00060
	3.64 0.95691 0.00060	3.34 0.95827 0.00057
	3.66 0.95789 0.00063	3.36 0.96145 0.00060
	3.68 0.96127 0.00060	3.38 0.96493 0.00058
	3.70 0.96440 0.00059	3.40 0.96623 0.00060
	3.72 0.96614 0.00062	3.42 0.96924 0.00060
	3.74 0.96786 0.00059	3.48 0.97756 0.00060
	3.76 0.97141 0.00061	3.50 0.97999 0.00061
	3.78 0.97482 0.00060	3.52 0.98288 0.00061
	3.82 0.97796 0.00059	3.54 0.98593 0.00058
	3.84 0.97999 0.00060	3.56 0.98719 0.00059
	3.86 0.98281 0.00061	3.58 0.99082 0.00058
	3.88 0.98583 0.00059	3.60 0.99278 0.00061
	3.90 0.98856 0.00063	3.64 0.99821 0.00059
	3.92 0.98993 0.00060	3.66 1.00072 0.00061
	3.94 0.99301 0.00060	3.68 1.00354 0.00059
	3.96 0.99354 0.00062	3.70 1.00536 0.00059
	3.98 0.99599 0.00058	
	4.00 0.99882 0.00061	
	4.02 1.00045 0.00061	
	4.04 1.00254 0.00059	
	4.06 1.00511 0.00061	
	4.08 1.00772 0.00063	
	4.10 1.00982 0.00062	

4000	5000	7500
2.60 0.91470 0.00061	2.30 0.91965 0.00058	1.75 0.91719 0.00059
2.62 0.91879 0.00060	2.32 0.92354 0.00055	1.77 0.92339 0.00059
2.64 0.92150 0.00056	2.34 0.92782 0.00057	1.79 0.92810 0.00058
2.68 0.92934 0.00058	2.36 0.93278 0.00059	1.81 0.93385 0.00056
2.70 0.93292 0.00057	2.38 0.93636 0.00060	1.83 0.93946 0.00059
2.72 0.93569 0.00059	2.40 0.94065 0.00059	1.85 0.94544 0.00060
2.74 0.93990 0.00059	2.42 0.94461 0.00060	1.87 0.95073 0.00059
2.76 0.94302 0.00060	2.44 0.94823 0.00060	1.89 0.95614 0.00058
2.78 0.94575 0.00062	2.46 0.95226 0.00058	1.91 0.96200 0.00058
2.80 0.94965 0.00059	2.48 0.95594 0.00059	1.93 0.96697 0.00059

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2.84	0.95646	0.00060	2.50	0.95981	0.00060	1.95	0.97229	0.00059
2.86	0.96089	0.00060	2.52	0.96392	0.00056	1.97	0.97746	0.00059
2.88	0.96374	0.00058	2.54	0.96819	0.00058	1.99	0.98217	0.00061
2.90	0.96697	0.00059	2.58	0.97692	0.00060	2.01	0.98751	0.00062
2.92	0.97120	0.00060	2.60	0.97990	0.00061	2.03	0.99323	0.00060
2.94	0.97300	0.00062	2.62	0.98357	0.00060	2.05	0.99721	0.00059
2.96	0.97642	0.00059	2.64	0.98706	0.00059	2.07	1.00215	0.00061
3.00	0.98319	0.00061	2.66	0.99269	0.00057	2.09	1.00671	0.00057
3.02	0.98670	0.00061	2.68	0.99522	0.00058	2.10	1.01098	0.00059
3.04	0.99025	0.00062	2.70	0.99905	0.00059			
3.06	0.99358	0.00060	2.72	1.00289	0.00057			
3.08	0.99683	0.00060	2.74	1.00630	0.00062			
3.10	0.99964	0.00060	2.76	1.01039	0.00060			
3.12	1.00293	0.00060	2.78	1.01422	0.00061			
3.14	1.00516	0.00059	2.80	1.01738	0.00060			
3.16	1.00920	0.00062						
3.18	1.01169	0.00059						
3.20	1.01617	0.00058						

10000	15000	19600						
1.40	0.91399	0.00057	1.00	0.92307	0.00056	0.75	0.91231	0.00056
1.42	0.92173	0.00056	1.02	0.93219	0.00057	0.76	0.91928	0.00057
1.44	0.92842	0.00058	1.04	0.94275	0.00057	0.77	0.92703	0.00055
1.46	0.93529	0.00057	1.06	0.95256	0.00057	0.78	0.93170	0.00058
1.48	0.94198	0.00059	1.08	0.96101	0.00056	0.79	0.93778	0.00056
1.50	0.94870	0.00059	1.10	0.96957	0.00054	0.80	0.94469	0.00056
1.52	0.95535	0.00057	1.12	0.98103	0.00057	0.81	0.95120	0.00058
1.54	0.96307	0.00057	1.14	0.98847	0.00056	0.82	0.95715	0.00059
1.56	0.96811	0.00058	1.16	0.99892	0.00057	0.83	0.96274	0.00056
1.58	0.97625	0.00057	1.18	1.00709	0.00056	0.84	0.96857	0.00056
1.60	0.98074	0.00058	1.20	1.01652	0.00059	0.85	0.97500	0.00058
1.62	0.98767	0.00056				0.86	0.98101	0.00058
1.64	0.99442	0.00060				0.87	0.98584	0.00055
1.66	1.00129	0.00060				0.88	0.99272	0.00058
1.68	1.00779	0.00060				0.89	0.99910	0.00058
1.70	1.01299	0.00059				0.90	1.00380	0.00057

## sumtable.pu-pl-0800-10

10	11	12						
999.98	0.99157	0.00019	16.00	0.93275	0.00029	12.00	0.91843	0.00033
999.99	0.99157	0.00019	17.00	0.94130	0.00030	12.25	0.92184	0.00031
			18.00	0.94807	0.00029	12.50	0.92587	0.00032
			19.00	0.95503	0.00028	12.75	0.93007	0.00032
			20.00	0.96130	0.00028	13.25	0.93725	0.00031
			21.00	0.96580	0.00027	13.50	0.93999	0.00031
			22.00	0.97133	0.00026	14.00	0.94653	0.00032
			23.00	0.97506	0.00027	14.25	0.94897	0.00032
			24.00	0.97901	0.00027	14.50	0.95254	0.00032
			25.00	0.98234	0.00026	14.75	0.95431	0.00030
			26.00	0.98553	0.00025	15.00	0.95719	0.00030
			27.00	0.98843	0.00025	15.50	0.96243	0.00029
			28.00	0.99085	0.00025	15.75	0.96517	0.00030
			29.00	0.99406	0.00025	16.00	0.96740	0.00031

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30.00	0.99563	0.00025	16.25	0.97019	0.00030
31.00	0.99765	0.00025	16.50	0.97255	0.00030
33.00	1.00107	0.00024	16.75	0.97401	0.00030
34.00	1.00304	0.00023	17.00	0.97619	0.00029
35.00	1.00442	0.00023	17.25	0.97831	0.00029
36.00	1.00574	0.00024	17.50	0.98031	0.00030
			17.75	0.98258	0.00029
			18.00	0.98365	0.00029
			18.25	0.98636	0.00029
			18.50	0.98769	0.00028
			18.75	0.98981	0.00029
			19.00	0.99059	0.00031
			19.25	0.99259	0.00028
			19.75	0.99496	0.00029
			20.00	0.99622	0.00029
			20.25	0.99806	0.00029
			20.50	0.99976	0.00028
			20.75	1.00071	0.00028
			21.00	1.00259	0.00028
			21.25	1.00336	0.00027
			21.75	1.00636	0.00027
			22.00	1.00690	0.00028
			22.25	1.00788	0.00027
			22.50	1.00902	0.00028

15	20	25						
8.00	0.90173	0.00038	6.40	0.92432	0.00045	5.40	0.92584	0.00047
8.40	0.91558	0.00037	6.45	0.92652	0.00045	5.45	0.92896	0.00047
8.60	0.92223	0.00038	6.50	0.92910	0.00043	5.50	0.93200	0.00046
8.80	0.92774	0.00037	6.55	0.93131	0.00040	5.55	0.93555	0.00047
9.00	0.93352	0.00037	6.60	0.93363	0.00043	5.60	0.93768	0.00046
9.20	0.93973	0.00037	6.65	0.93638	0.00044	5.65	0.94110	0.00045
9.40	0.94527	0.00037	6.75	0.94132	0.00044	5.70	0.94409	0.00046
9.60	0.95012	0.00038	6.80	0.94350	0.00042	5.85	0.95345	0.00046
10.00	0.95950	0.00036	6.85	0.94586	0.00042	5.90	0.95636	0.00047
10.20	0.96560	0.00037	6.90	0.94792	0.00041	5.95	0.95977	0.00046
10.40	0.96955	0.00037	6.95	0.95044	0.00043	6.00	0.96166	0.00046
10.60	0.97406	0.00037	7.00	0.95240	0.00045	6.05	0.96543	0.00046
10.80	0.97815	0.00035	7.05	0.95539	0.00044	6.10	0.96782	0.00047
11.00	0.98282	0.00037	7.10	0.95775	0.00043	6.20	0.97295	0.00045
11.20	0.98636	0.00036	7.20	0.96094	0.00043	6.25	0.97472	0.00046
11.40	0.99019	0.00036	7.25	0.96399	0.00044	6.30	0.97931	0.00047
11.60	0.99427	0.00036	7.30	0.96569	0.00043	6.35	0.98137	0.00047
11.80	0.99813	0.00036	7.35	0.96820	0.00043	6.40	0.98448	0.00044
12.00	1.00135	0.00037	7.40	0.96991	0.00041	6.45	0.98740	0.00047
12.20	1.00460	0.00036	7.45	0.97229	0.00042	6.50	0.99026	0.00045
12.40	1.00760	0.00033	7.55	0.97630	0.00041	6.60	0.99423	0.00046
12.60	1.01149	0.00034	7.60	0.97833	0.00043	6.65	0.99625	0.00046
13.00	1.01719	0.00035	7.65	0.98007	0.00043	6.70	1.00003	0.00046
			7.70	0.98174	0.00042	6.75	1.00185	0.00046
			7.75	0.98422	0.00041	6.80	1.00394	0.00046
			7.80	0.98672	0.00043	6.85	1.00657	0.00046
			7.85	0.98745	0.00044	6.90	1.00910	0.00048
			7.90	0.98975	0.00042	6.95	1.01188	0.00047
			7.95	0.99082	0.00042	7.00	1.01447	0.00047
			8.00	0.99382	0.00042			
			8.05	0.99555	0.00042			
			8.10	0.99657	0.00042			
			8.15	0.99896	0.00041			
			8.20	1.00169	0.00043			
			8.25	1.00255	0.00043			
			8.30	1.00412	0.00041			

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30	40	50
4.80 0.92413 0.00049	4.00 0.91436 0.00054	3.70 0.91862 0.00054
4.85 0.92897 0.00052	4.05 0.91834 0.00054	3.75 0.92434 0.00054
4.90 0.93318 0.00047	4.10 0.92354 0.00054	3.80 0.92895 0.00056
4.95 0.93688 0.00048	4.15 0.92788 0.00050	3.85 0.93379 0.00055
5.00 0.94085 0.00049	4.20 0.93202 0.00053	3.90 0.93869 0.00056
5.05 0.94463 0.00050	4.25 0.93598 0.00052	3.95 0.94356 0.00054
5.10 0.94745 0.00050	4.30 0.94004 0.00053	4.00 0.94805 0.00057
5.15 0.95091 0.00049	4.35 0.94506 0.00053	4.05 0.95246 0.00055
5.20 0.95413 0.00049	4.40 0.94918 0.00051	4.10 0.95794 0.00055
5.25 0.95803 0.00048	4.45 0.95273 0.00053	4.15 0.96146 0.00054
5.30 0.96209 0.00049	4.50 0.95719 0.00055	4.20 0.96529 0.00054
5.35 0.96446 0.00049	4.55 0.96144 0.00050	4.25 0.97088 0.00055
5.40 0.96843 0.00050	4.60 0.96554 0.00054	4.30 0.97442 0.00055
5.45 0.97121 0.00050	4.65 0.96911 0.00053	4.35 0.97912 0.00052
5.50 0.97482 0.00051	4.70 0.97412 0.00054	4.40 0.98301 0.00054
5.55 0.97766 0.00049	4.75 0.97766 0.00051	4.45 0.98661 0.00053
5.60 0.98123 0.00049	4.80 0.98010 0.00054	4.50 0.99208 0.00054
5.65 0.98388 0.00049	4.85 0.98550 0.00053	4.55 0.99528 0.00058
5.70 0.98742 0.00048	4.90 0.98858 0.00053	4.60 0.99911 0.00058
5.75 0.98995 0.00050	4.95 0.99197 0.00052	4.65 1.00340 0.00052
5.80 0.99355 0.00050	5.00 0.99541 0.00052	4.70 1.00614 0.00055
5.85 0.99671 0.00049	5.05 0.99981 0.00053	
5.90 0.99940 0.00049	5.10 1.00332 0.00051	
5.95 1.00206 0.00050	5.15 1.00734 0.00053	
6.00 1.00486 0.00049	5.20 1.00948 0.00052	
75	100	150
3.30 0.92313 0.00058	3.00 0.91144 0.00057	3.00 0.92891 0.00060
3.35 0.92755 0.00059	3.05 0.91682 0.00058	3.05 0.93403 0.00060
3.40 0.93330 0.00057	3.10 0.92215 0.00059	3.10 0.93814 0.00062
3.45 0.93848 0.00057	3.15 0.92837 0.00058	3.15 0.94531 0.00060
3.50 0.94336 0.00057	3.20 0.93253 0.00057	3.20 0.95007 0.00059
3.55 0.94942 0.00058	3.25 0.93779 0.00059	3.25 0.95318 0.00059
3.60 0.95403 0.00059	3.30 0.94353 0.00058	3.30 0.95767 0.00058
3.70 0.96384 0.00056	3.35 0.94850 0.00059	3.35 0.96304 0.00060
3.75 0.96875 0.00057	3.40 0.95275 0.00058	3.40 0.96847 0.00059
3.80 0.97284 0.00057	3.45 0.95871 0.00060	3.45 0.97301 0.00057
3.85 0.97769 0.00060	3.50 0.96329 0.00061	3.50 0.97818 0.00061
3.90 0.98256 0.00060	3.55 0.96846 0.00060	3.55 0.98296 0.00060
3.95 0.98634 0.00058	3.60 0.97364 0.00060	3.60 0.98572 0.00058
4.00 0.99128 0.00057	3.65 0.97845 0.00060	3.65 0.99118 0.00056
4.05 0.99663 0.00058	3.70 0.98165 0.00058	3.70 0.99498 0.00060
4.10 1.00048 0.00056	3.75 0.98675 0.00058	3.75 0.99951 0.00059
4.15 1.00473 0.00057	3.80 0.99083 0.00059	3.80 1.00413 0.00060
4.20 1.00868 0.00059	3.85 0.99582 0.00057	
	3.90 1.00088 0.00058	
	3.95 1.00489 0.00060	
	4.00 1.00855 0.00059	

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200	350	500
2.90 0.92340 0.00061	2.90 0.92529 0.00062	2.80 0.91800 0.00059
2.95 0.92827 0.00060	2.95 0.93016 0.00061	2.85 0.92219 0.00060
3.00 0.93486 0.00060	3.00 0.93551 0.00061	2.90 0.92794 0.00062
3.05 0.93776 0.00058	3.05 0.94071 0.00059	2.95 0.93224 0.00059
3.10 0.94183 0.00062	3.10 0.94462 0.00059	3.00 0.93714 0.00062
3.15 0.94792 0.00062	3.15 0.94884 0.00060	3.05 0.94079 0.00058
3.20 0.95289 0.00059	3.20 0.95284 0.00063	3.10 0.94572 0.00058
3.25 0.95736 0.00059	3.25 0.95700 0.00060	3.15 0.94942 0.00058
3.30 0.96123 0.00063	3.30 0.96160 0.00059	3.20 0.95378 0.00060
3.35 0.96688 0.00061	3.35 0.96529 0.00062	3.25 0.95675 0.00061
3.40 0.97216 0.00063	3.40 0.97018 0.00061	3.30 0.96114 0.00059
3.45 0.97563 0.00062	3.45 0.97403 0.00063	3.35 0.96587 0.00057
3.50 0.97962 0.00062	3.50 0.97817 0.00060	3.40 0.96926 0.00061
3.55 0.98425 0.00062	3.55 0.98291 0.00058	3.45 0.97412 0.00062
3.60 0.98831 0.00059	3.60 0.98514 0.00058	3.50 0.97718 0.00061
3.65 0.99277 0.00060	3.65 0.99071 0.00060	3.55 0.98018 0.00061
3.70 0.99663 0.00058	3.70 0.99439 0.00063	3.60 0.98510 0.00060
3.75 1.00155 0.00060	3.75 0.99777 0.00062	3.65 0.98865 0.00058
3.80 1.00559 0.00060	3.80 1.00102 0.00060	3.70 0.99149 0.00062
	3.85 1.00471 0.00062	3.75 0.99588 0.00063
	3.90 1.00920 0.00061	3.80 0.99896 0.00058
	3.95 1.01278 0.00061	3.85 1.00401 0.00059
	4.00 1.01573 0.00058	3.90 1.00740 0.00060
		3.95 1.01107 0.00059
		4.00 1.01341 0.00060

750	1000	1500
2.70 0.91691 0.00059	2.60 0.92043 0.00059	2.30 0.91955 0.00059
2.75 0.92178 0.00060	2.65 0.92542 0.00060	2.35 0.92500 0.00059
2.80 0.92717 0.00061	2.70 0.93031 0.00057	2.40 0.93065 0.00058
2.85 0.93021 0.00059	2.75 0.93469 0.00060	2.45 0.93669 0.00059
2.90 0.93651 0.00059	2.80 0.93853 0.00060	2.50 0.94121 0.00057
2.95 0.94005 0.00060	2.85 0.94467 0.00060	2.55 0.94585 0.00060
3.00 0.94496 0.00061	2.90 0.94753 0.00058	2.60 0.95155 0.00059
3.05 0.94839 0.00058	2.95 0.95272 0.00060	2.65 0.95593 0.00060
3.10 0.95216 0.00062	3.00 0.95652 0.00058	2.70 0.96078 0.00059
3.15 0.95750 0.00059	3.05 0.96100 0.00058	2.75 0.96611 0.00058
3.20 0.95965 0.00059	3.10 0.96607 0.00058	2.80 0.97019 0.00058
3.25 0.96455 0.00062	3.15 0.96973 0.00059	2.85 0.97537 0.00059
3.30 0.96860 0.00057	3.20 0.97355 0.00059	2.90 0.97985 0.00058
3.35 0.97269 0.00062	3.25 0.97774 0.00056	2.95 0.98516 0.00059
3.40 0.97704 0.00061	3.30 0.98132 0.00058	3.00 0.98898 0.00058
3.45 0.98144 0.00061	3.35 0.98640 0.00059	3.05 0.99308 0.00061
3.50 0.98414 0.00062	3.40 0.98905 0.00058	3.10 0.99777 0.00058
3.55 0.98784 0.00059	3.45 0.99298 0.00059	3.15 1.00135 0.00060
3.60 0.99264 0.00058	3.50 0.99684 0.00057	3.20 1.00585 0.00062
3.65 0.99459 0.00060	3.55 1.00006 0.00058	
3.70 0.99773 0.00059	3.60 1.00421 0.00059	
3.75 1.00271 0.00061		
3.80 1.00612 0.00062		
3.85 1.00769 0.00060		
3.90 1.01279 0.00060		
3.95 1.01551 0.00059		
4.00 1.01835 0.00060		

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	2000	2500	3000		
2.00	0.91501	0.00058	1.60	0.91355	0.00057
2.02	0.91653	0.00057	1.62	0.91725	0.00055
2.04	0.91976	0.00058	1.64	0.92097	0.00057
2.06	0.92254	0.00058	1.66	0.92320	0.00058
2.08	0.92490	0.00057	1.68	0.92655	0.00056
2.10	0.92745	0.00057	1.70	0.92981	0.00056
2.12	0.92990	0.00058	1.72	0.93274	0.00059
2.14	0.93267	0.00057	1.74	0.93672	0.00059
2.16	0.93487	0.00061	1.76	0.93949	0.00056
2.18	0.93775	0.00056	1.78	0.94201	0.00057
2.20	0.94038	0.00057	1.80	0.94554	0.00056
2.22	0.94075	0.00057	1.82	0.94753	0.00058
2.24	0.94460	0.00057	1.84	0.95106	0.00060
2.26	0.94668	0.00058	1.86	0.95430	0.00058
2.28	0.95005	0.00059	1.88	0.95774	0.00058
2.30	0.95066	0.00055	1.90	0.96110	0.00056
2.32	0.95286	0.00056	1.92	0.96318	0.00056
2.34	0.95556	0.00057	1.94	0.96527	0.00058
2.36	0.95809	0.00059	1.96	0.96879	0.00056
2.38	0.96100	0.00057	1.98	0.97177	0.00058
2.40	0.96365	0.00056	2.00	0.97428	0.00055
2.42	0.96449	0.00057	2.02	0.97827	0.00058
2.44	0.96788	0.00059	2.04	0.98043	0.00056
2.46	0.96878	0.00060	2.06	0.98383	0.00059
2.48	0.97138	0.00058	2.08	0.98523	0.00057
2.50	0.97363	0.00057	2.10	0.98953	0.00055
2.52	0.97615	0.00060	2.12	0.99162	0.00057
2.54	0.97816	0.00060	2.14	0.99409	0.00057
2.56	0.98013	0.00057	2.16	0.99725	0.00058
2.58	0.98271	0.00057	2.18	1.00040	0.00057
2.60	0.98414	0.00058	2.20	1.00246	0.00060
2.62	0.98716	0.00058	2.22	1.00458	0.00058
2.64	0.98950	0.00060	2.24	1.00777	0.00059
2.66	0.99154	0.00057	2.26	1.00980	0.00056
2.68	0.99253	0.00059	2.28	1.01393	0.00055
2.70	0.99541	0.00058	2.30	1.01566	0.00056
2.72	0.99755	0.00059			
2.74	0.99827	0.00058			
2.76	1.00104	0.00056			
2.78	1.00304	0.00058			
2.80	1.00491	0.00058			

	4000	5000	7500		
1.40	0.92712	0.00055	0.80	0.90699	0.00055
1.42	0.93157	0.00059	0.82	0.91447	0.00055
1.44	0.93539	0.00058	0.84	0.91976	0.00057
1.46	0.93895	0.00059	0.86	0.92615	0.00056
1.48	0.94337	0.00059	0.88	0.93388	0.00055
1.50	0.94648	0.00057	0.90	0.93924	0.00057
1.52	0.95067	0.00055	0.92	0.94561	0.00057
1.54	0.95395	0.00055	0.94	0.95213	0.00060
1.56	0.95936	0.00057	0.96	0.95822	0.00058
1.58	0.96121	0.00058	0.98	0.96427	0.00056
1.60	0.96511	0.00059	1.00	0.96981	0.00057

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1.62	0.96843	0.00056	1.37	0.96701	0.00057	1.02	0.97594	0.00056
1.64	0.97315	0.00057	1.39	0.97120	0.00059	1.04	0.98261	0.00058
1.66	0.97593	0.00057	1.41	0.97525	0.00058	1.06	0.98771	0.00057
1.68	0.97932	0.00056	1.43	0.97945	0.00058	1.08	0.99310	0.00055
1.70	0.98318	0.00059	1.45	0.98382	0.00059	1.10	0.99934	0.00056
1.72	0.98752	0.00055	1.47	0.98740	0.00058	1.12	1.00434	0.00056
1.74	0.99079	0.00058	1.49	0.99103	0.00056	1.14	1.01002	0.00057
1.76	0.99347	0.00058	1.51	0.99611	0.00057	1.16	1.01587	0.00058
1.78	0.99635	0.00058	1.53	1.00010	0.00057	1.18	1.02137	0.00058
1.80	0.99983	0.00056	1.55	1.00369	0.00055	1.20	1.02639	0.00057
1.82	1.00347	0.00059	1.57	1.00798	0.00056			
1.84	1.00806	0.00057	1.59	1.01181	0.00058			
1.86	1.00972	0.00058	1.60	1.01459	0.00059			
1.88	1.01359	0.00057						
1.90	1.01569	0.00059						
1.92	1.01965	0.00058						
1.94	1.02348	0.00058						
1.96	1.02612	0.00058						
1.98	1.02993	0.00054						
2.00	1.03161	0.00056						

10000	15000	19600						
0.65	0.92071	0.00056	0.45	0.92719	0.00057	0.30	0.89383	0.00055
0.67	0.92876	0.00056	0.46	0.93353	0.00057	0.31	0.90165	0.00057
0.69	0.93611	0.00057	0.47	0.93960	0.00057	0.32	0.90926	0.00055
0.71	0.94497	0.00057	0.48	0.94478	0.00056	0.33	0.91823	0.00056
0.73	0.95278	0.00056	0.49	0.95074	0.00055	0.34	0.92595	0.00058
0.75	0.96046	0.00056	0.50	0.95709	0.00057	0.35	0.93447	0.00056
0.77	0.96778	0.00056	0.51	0.96242	0.00057	0.36	0.94095	0.00056
0.79	0.97542	0.00058	0.52	0.96815	0.00058	0.37	0.95064	0.00057
0.81	0.98277	0.00058	0.53	0.97330	0.00057	0.38	0.95735	0.00056
0.83	0.98947	0.00056	0.54	0.98006	0.00057	0.39	0.96530	0.00056
0.85	0.99741	0.00054	0.55	0.98488	0.00060	0.40	0.97184	0.00058
0.87	1.00519	0.00057	0.56	0.99085	0.00057	0.41	0.97989	0.00057
0.89	1.01358	0.00057	0.57	0.99572	0.00056	0.42	0.98798	0.00058
0.90	1.01678	0.00057	0.58	1.00141	0.00057	0.43	0.99454	0.00059
			0.59	1.00744	0.00056	0.44	1.00187	0.00058
			0.60	1.01253	0.00058	0.45	1.00919	0.00057

## sumtable.pu-pl-0850-00

10	11	12						
14.00	0.87477	0.00032	14.00	0.91187	0.00034	13.00	0.92560	0.00038
15.00	0.89099	0.00032	14.25	0.91697	0.00032	13.25	0.93088	0.00036
16.00	0.90441	0.00030	14.50	0.92096	0.00032	13.50	0.93661	0.00035
17.00	0.91688	0.00029	14.75	0.92540	0.00033	13.75	0.94116	0.00034
18.00	0.92708	0.00030	15.00	0.92924	0.00032	14.00	0.94631	0.00036
19.00	0.93712	0.00030	15.25	0.93240	0.00033	14.25	0.95113	0.00036
20.00	0.94387	0.00029	15.50	0.93637	0.00033	14.50	0.95481	0.00034
21.00	0.95135	0.00028	15.75	0.94050	0.00032	14.75	0.95956	0.00033
22.00	0.95813	0.00028	16.00	0.94281	0.00031	15.00	0.96395	0.00034
23.00	0.96415	0.00028	16.25	0.94756	0.00032	15.25	0.96806	0.00034
24.00	0.96920	0.00027	16.50	0.95021	0.00031	15.50	0.97040	0.00034
25.00	0.97368	0.00026	16.75	0.95350	0.00033	15.75	0.97561	0.00034

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26.00	0.97745	0.00026	17.00	0.95588	0.00033	16.00	0.97928	0.00032
27.00	0.98131	0.00026	17.25	0.95926	0.00032	16.25	0.98226	0.00034
28.00	0.98518	0.00025	17.50	0.96188	0.00032	16.50	0.98532	0.00034
29.00	0.98762	0.00026	17.75	0.96497	0.00032	16.75	0.98865	0.00032
30.00	0.99028	0.00024	18.00	0.96658	0.00031	17.00	0.99155	0.00033
31.00	0.99374	0.00025	18.25	0.97000	0.00031	17.25	0.99437	0.00033
32.00	0.99536	0.00024	18.50	0.97255	0.00031	17.50	0.99656	0.00032
33.00	0.99841	0.00023	18.75	0.97409	0.00031	17.75	1.00061	0.00033
34.00	1.00028	0.00024	19.00	0.97717	0.00030	18.00	1.00298	0.00033
35.00	1.00225	0.00024	19.25	0.97885	0.00029	18.25	1.00511	0.00032
36.00	1.00383	0.00023	19.50	0.98094	0.00030	18.50	1.00758	0.00032
37.00	1.00504	0.00024	19.75	0.98336	0.00029	18.75	1.00986	0.00031
38.00	1.00655	0.00024	20.00	0.98519	0.00030	19.00	1.01305	0.00032
39.00	1.00776	0.00024	20.25	0.98709	0.00029	19.25	1.01465	0.00032
40.00	1.00937	0.00022	20.50	0.98887	0.00029	19.50	1.01747	0.00031
			20.75	0.99089	0.00029	19.75	1.01980	0.00031
			21.00	0.99272	0.00029	20.00	1.02014	0.00031
			21.25	0.99483	0.00029			
			21.50	0.99572	0.00030			
			21.75	0.99774	0.00029			
			22.00	0.99924	0.00028			
			22.25	1.00046	0.00029			
			22.50	1.00209	0.00028			
			22.75	1.00323	0.00029			
			23.00	1.00564	0.00028			

15	20	25						
10.00	0.91478	0.00043	8.40	0.92202	0.00049	7.50	0.91608	0.00051
10.10	0.91841	0.00042	8.45	0.92514	0.00050	7.55	0.92102	0.00052
10.20	0.92275	0.00044	8.50	0.92800	0.00049	7.60	0.92372	0.00052
10.30	0.92635	0.00042	8.55	0.93049	0.00050	7.65	0.92785	0.00053
10.40	0.93011	0.00043	8.60	0.93380	0.00049	7.70	0.93106	0.00053
10.50	0.93461	0.00042	8.65	0.93556	0.00049	7.75	0.93521	0.00054
10.60	0.93787	0.00042	8.70	0.93917	0.00048	7.80	0.93899	0.00052
10.70	0.94123	0.00042	8.75	0.94207	0.00049	7.85	0.94229	0.00054
10.80	0.94458	0.00041	8.80	0.94517	0.00048	7.90	0.94584	0.00053
10.90	0.94876	0.00040	8.85	0.94724	0.00048	7.95	0.95046	0.00053
11.00	0.95157	0.00042	8.90	0.95102	0.00049	8.00	0.95243	0.00052
11.10	0.95391	0.00042	8.95	0.95262	0.00047	8.05	0.95595	0.00054
11.20	0.95929	0.00041	9.00	0.95593	0.00049	8.10	0.95968	0.00053
11.30	0.96213	0.00042	9.05	0.95814	0.00049	8.15	0.96266	0.00054
11.40	0.96494	0.00040	9.10	0.96100	0.00047	8.20	0.96637	0.00052
11.50	0.96774	0.00042	9.15	0.96408	0.00047	8.25	0.96936	0.00053
11.60	0.96990	0.00042	9.20	0.96623	0.00048	8.30	0.97278	0.00052
11.70	0.97423	0.00041	9.25	0.96905	0.00049	8.35	0.97637	0.00052
11.80	0.97604	0.00040	9.30	0.97114	0.00047	8.40	0.97884	0.00051
11.90	0.97968	0.00041	9.35	0.97323	0.00050	8.45	0.98121	0.00053
12.00	0.98214	0.00041	9.40	0.97599	0.00048	8.50	0.98466	0.00052
12.10	0.98545	0.00042	9.45	0.97850	0.00046	8.55	0.98820	0.00051
12.20	0.98839	0.00040	9.50	0.98124	0.00048	8.60	0.99048	0.00051
12.30	0.99144	0.00039	9.55	0.98402	0.00046	8.65	0.99446	0.00053
12.40	0.99371	0.00040	9.60	0.98619	0.00047	8.70	0.99687	0.00052
12.50	0.99612	0.00039	9.65	0.98800	0.00045	8.75	1.00047	0.00051
12.60	0.99860	0.00040	9.70	0.99054	0.00050	8.80	1.00329	0.00054
12.70	1.00056	0.00039	9.75	0.99261	0.00048	8.85	1.00529	0.00052
12.80	1.00413	0.00039	9.80	0.99531	0.00047	8.90	1.00846	0.00052
12.90	1.00655	0.00041	9.85	0.99698	0.00049	8.95	1.01174	0.00054
13.00	1.00831	0.00041	9.90	0.99959	0.00047	9.00	1.01457	0.00050
			9.95	1.00120	0.00047			
			10.00	1.00379	0.00049			
			10.05	1.00630	0.00047			
			10.10	1.00834	0.00048			

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30	40	50
7.00 0.91425 0.00055	6.50 0.91688 0.00058	6.20 0.91254 0.00064
7.05 0.91895 0.00057	6.55 0.92142 0.00059	6.25 0.91909 0.00061
7.10 0.92364 0.00055	6.60 0.92589 0.00060	6.30 0.92421 0.00061
7.15 0.92714 0.00057	6.65 0.93088 0.00060	6.35 0.92926 0.00062
7.20 0.93101 0.00056	6.70 0.93540 0.00057	6.40 0.93315 0.00063
7.25 0.93612 0.00057	6.75 0.94035 0.00060	6.45 0.94008 0.00062
7.30 0.93992 0.00055	6.80 0.94539 0.00059	6.50 0.94406 0.00062
7.35 0.94431 0.00056	6.85 0.94970 0.00058	6.55 0.94955 0.00064
7.40 0.94725 0.00055	6.90 0.95460 0.00056	6.60 0.95415 0.00059
7.45 0.95225 0.00056	6.95 0.95896 0.00058	6.65 0.95897 0.00063
7.50 0.95501 0.00057	7.00 0.96289 0.00061	6.70 0.96266 0.00060
7.55 0.95970 0.00055	7.05 0.96702 0.00060	6.75 0.96857 0.00061
7.60 0.96339 0.00056	7.10 0.97228 0.00059	6.80 0.97321 0.00064
7.65 0.96700 0.00056	7.15 0.97662 0.00059	6.85 0.97810 0.00062
7.70 0.96987 0.00057	7.20 0.98019 0.00061	6.90 0.98243 0.00061
7.75 0.97426 0.00055	7.25 0.98476 0.00058	6.95 0.98698 0.00063
7.80 0.97776 0.00057	7.30 0.98892 0.00060	7.00 0.99157 0.00060
7.85 0.98138 0.00054	7.35 0.99286 0.00058	7.05 0.99728 0.00063
7.90 0.98506 0.00056	7.40 0.99854 0.00059	7.10 1.00063 0.00062
7.95 0.98929 0.00054	7.45 1.00158 0.00056	7.15 1.00479 0.00060
8.00 0.99161 0.00054	7.50 1.00538 0.00059	7.20 1.00858 0.00062
8.05 0.99542 0.00056		
8.10 0.99919 0.00055		
8.15 1.00234 0.00057		
8.20 1.00684 0.00054		

75	100	150
6.00 0.92273 0.00067	5.90 0.92277 0.00064	5.80 0.91458 0.00067
6.05 0.92781 0.00065	5.95 0.92707 0.00065	5.85 0.91953 0.00068
6.10 0.93303 0.00066	6.00 0.93312 0.00064	5.90 0.92560 0.00066
6.15 0.93933 0.00064	6.05 0.93830 0.00066	5.95 0.93108 0.00067
6.20 0.94455 0.00064	6.10 0.94395 0.00065	6.00 0.93578 0.00068
6.25 0.94869 0.00065	6.15 0.94995 0.00067	6.05 0.94105 0.00066
6.30 0.95496 0.00065	6.20 0.95478 0.00067	6.10 0.94700 0.00068
6.35 0.96128 0.00063	6.25 0.96009 0.00065	6.15 0.95253 0.00067
6.40 0.96626 0.00067	6.30 0.96587 0.00067	6.20 0.95729 0.00065
6.45 0.97072 0.00065	6.35 0.97107 0.00067	6.25 0.96261 0.00064
6.50 0.97672 0.00065	6.40 0.97596 0.00068	6.30 0.96866 0.00067
6.55 0.98038 0.00066	6.45 0.98072 0.00067	6.35 0.97242 0.00065
6.60 0.98559 0.00064	6.50 0.98689 0.00066	6.40 0.97712 0.00070
6.65 0.99021 0.00064	6.55 0.99054 0.00065	6.45 0.98360 0.00064
6.70 0.99624 0.00064	6.60 0.99621 0.00066	6.50 0.98751 0.00067
6.75 1.00057 0.00068	6.65 1.00108 0.00069	6.55 0.99254 0.00064
6.80 1.00513 0.00065	6.70 1.00602 0.00063	6.60 0.99722 0.00068
6.85 1.01002 0.00065	6.75 1.00948 0.00067	6.65 1.00046 0.00069
6.90 1.01441 0.00065	6.80 1.01330 0.00067	6.70 1.00583 0.00067
6.95 1.01898 0.00065		6.75 1.01124 0.00069
7.00 1.02265 0.00065		6.80 1.01543 0.00068

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200	350	500
5.90 0.92157 0.00065	6.00 0.92239 0.00063	6.00 0.92235 0.00064
5.95 0.92752 0.00069	6.05 0.92805 0.00068	6.05 0.92776 0.00063
6.00 0.93294 0.00067	6.10 0.93300 0.00066	6.10 0.93275 0.00066
6.05 0.93906 0.00065	6.15 0.93868 0.00068	6.15 0.93760 0.00065
6.10 0.94367 0.00067	6.20 0.94406 0.00063	6.20 0.94161 0.00067
6.15 0.94907 0.00070	6.25 0.94780 0.00067	6.25 0.94646 0.00065
6.20 0.95349 0.00067	6.30 0.95263 0.00067	6.30 0.95087 0.00065
6.25 0.95826 0.00068	6.35 0.95672 0.00063	6.35 0.95526 0.00067
6.30 0.96383 0.00064	6.40 0.96188 0.00067	6.40 0.95960 0.00063
6.35 0.96869 0.00068	6.45 0.96600 0.00067	6.45 0.96328 0.00066
6.40 0.97344 0.00069	6.50 0.97053 0.00069	6.50 0.96816 0.00066
6.45 0.97853 0.00067	6.55 0.97492 0.00067	6.55 0.97168 0.00067
6.50 0.98352 0.00068	6.60 0.98064 0.00063	6.60 0.97646 0.00066
6.55 0.98721 0.00069	6.65 0.98367 0.00067	6.65 0.98127 0.00064
6.60 0.99258 0.00070	6.70 0.98783 0.00069	6.70 0.98445 0.00064
6.65 0.99611 0.00067	6.75 0.99266 0.00066	6.75 0.98917 0.00067
6.70 1.00060 0.00065	6.80 0.99794 0.00068	6.80 0.99477 0.00067
6.75 1.00659 0.00068	6.85 1.00077 0.00066	6.85 0.99718 0.00064
6.80 1.01016 0.00068	6.90 1.00465 0.00065	6.90 1.00201 0.00067
	6.95 1.00835 0.00068	6.95 1.00433 0.00064
	7.00 1.01300 0.00065	7.00 1.00849 0.00066

750	1000	1500
5.80 0.91386 0.00062	5.70 0.92176 0.00063	5.30 0.92287 0.00062
5.85 0.91730 0.00065	5.75 0.92670 0.00063	5.35 0.92838 0.00061
5.90 0.92214 0.00063	5.80 0.93068 0.00064	5.40 0.93482 0.00065
5.95 0.92854 0.00065	5.85 0.93508 0.00065	5.45 0.94061 0.00061
6.00 0.93202 0.00063	5.90 0.94124 0.00064	5.50 0.94505 0.00060
6.05 0.93670 0.00066	5.95 0.94476 0.00063	5.55 0.95145 0.00064
6.10 0.94163 0.00063	6.00 0.95106 0.00066	5.60 0.95750 0.00059
6.15 0.94565 0.00066	6.05 0.95477 0.00066	5.65 0.96090 0.00063
6.20 0.95024 0.00064	6.10 0.95927 0.00065	5.70 0.96648 0.00063
6.25 0.95615 0.00065	6.15 0.96445 0.00063	5.75 0.97213 0.00060
6.30 0.96091 0.00066	6.20 0.96837 0.00063	5.80 0.97683 0.00063
6.35 0.96423 0.00064	6.25 0.97538 0.00062	5.85 0.98129 0.00061
6.40 0.96939 0.00065	6.30 0.97710 0.00066	5.90 0.98705 0.00062
6.45 0.97339 0.00065	6.35 0.98156 0.00067	5.95 0.99179 0.00063
6.50 0.97744 0.00063	6.40 0.98615 0.00064	6.00 0.99591 0.00063
6.55 0.98280 0.00064	6.45 0.99007 0.00065	6.05 1.00047 0.00062
6.60 0.98547 0.00067	6.50 0.99529 0.00066	6.10 1.00584 0.00060
6.65 0.98922 0.00063	6.55 0.99869 0.00062	
6.70 0.99363 0.00066	6.60 1.00398 0.00065	
6.75 0.99679 0.00065	6.65 1.00739 0.00064	
6.80 1.00222 0.00065	6.70 1.01153 0.00064	
6.85 1.00587 0.00066		
6.90 1.00941 0.00064		
6.95 1.01326 0.00063		
7.00 1.01775 0.00062		

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2000	2500	3000
4.80 0.91089 0.00060	4.50 0.91696 0.00060	4.20 0.91792 0.00058
4.82 0.91471 0.00060	4.52 0.92118 0.00058	4.22 0.92095 0.00060
4.84 0.91694 0.00062	4.54 0.92342 0.00057	4.24 0.92351 0.00059
4.86 0.91928 0.00060	4.56 0.92606 0.00060	4.26 0.92752 0.00060
4.88 0.92140 0.00060	4.58 0.92875 0.00061	4.28 0.93008 0.00058
4.90 0.92351 0.00059	4.60 0.93196 0.00061	4.30 0.93252 0.00057
4.92 0.92686 0.00063	4.62 0.93424 0.00061	4.32 0.93719 0.00061
4.94 0.93089 0.00060	4.64 0.93758 0.00060	4.34 0.93993 0.00058
4.96 0.93191 0.00059	4.66 0.94045 0.00062	4.36 0.94362 0.00059
4.98 0.93400 0.00060	4.68 0.94261 0.00062	4.38 0.94600 0.00059
5.00 0.93801 0.00063	4.70 0.94674 0.00062	4.40 0.94913 0.00060
5.02 0.93959 0.00060	4.72 0.94819 0.00059	4.42 0.95292 0.00059
5.04 0.94162 0.00059	4.74 0.95136 0.00063	4.44 0.95420 0.00059
5.06 0.94477 0.00062	4.76 0.95302 0.00060	4.46 0.95818 0.00062
5.08 0.94664 0.00057	4.78 0.95707 0.00061	4.48 0.96084 0.00059
5.10 0.94899 0.00062	4.80 0.95970 0.00061	4.50 0.96366 0.00059
5.12 0.95217 0.00063	4.82 0.96269 0.00061	4.52 0.96622 0.00061
5.14 0.95471 0.00060	4.84 0.96565 0.00062	4.54 0.96977 0.00057
5.16 0.95738 0.00061	4.86 0.96717 0.00061	4.56 0.97216 0.00058
5.18 0.95879 0.00060	4.88 0.97014 0.00062	4.58 0.97526 0.00060
5.20 0.96141 0.00060	4.90 0.97199 0.00058	4.60 0.97852 0.00059
5.22 0.96277 0.00059	4.92 0.97440 0.00060	4.62 0.98143 0.00060
5.24 0.96523 0.00060	4.94 0.97824 0.00062	4.64 0.98298 0.00058
5.26 0.96764 0.00062	4.96 0.98052 0.00061	4.66 0.98624 0.00060
5.28 0.97025 0.00060	4.98 0.98337 0.00061	4.68 0.98958 0.00059
5.30 0.97163 0.00060	5.00 0.98552 0.00059	4.70 0.99299 0.00060
5.32 0.97465 0.00061	5.02 0.98677 0.00060	4.72 0.99547 0.00060
5.34 0.97773 0.00060	5.04 0.98983 0.00060	4.74 0.99757 0.00060
5.36 0.97853 0.00061	5.06 0.99363 0.00060	4.76 1.00051 0.00059
5.38 0.98215 0.00060	5.08 0.99582 0.00060	4.78 1.00428 0.00060
5.40 0.98484 0.00060	5.10 0.99827 0.00059	4.80 1.00688 0.00060
5.42 0.98625 0.00061	5.12 1.00007 0.00060	4.82 1.00971 0.00061
5.44 0.98944 0.00064	5.14 1.00277 0.00061	4.84 1.01128 0.00061
5.46 0.99128 0.00059	5.16 1.00444 0.00061	4.86 1.01458 0.00060
5.48 0.99332 0.00060	5.18 1.00728 0.00061	4.88 1.01690 0.00059
5.50 0.99415 0.00062	5.20 1.00954 0.00059	4.90 1.01881 0.00063
5.52 0.99600 0.00061		4.92 1.02270 0.00063
5.54 0.99942 0.00060		4.94 1.02522 0.00059
5.56 1.00184 0.00061		4.96 1.02791 0.00061
5.58 1.00251 0.00061		4.98 1.03022 0.00059
5.60 1.00638 0.00060		5.00 1.03325 0.00060

4000	5000	7500
3.70 0.91403 0.00057	3.30 0.90719 0.00056	2.70 0.91918 0.00052
3.72 0.91815 0.00058	3.32 0.91311 0.00056	2.72 0.92401 0.00052
3.74 0.92188 0.00054	3.34 0.91669 0.00058	2.74 0.93073 0.00049
3.76 0.92558 0.00056	3.36 0.92052 0.00057	2.76 0.93475 0.00053
3.78 0.92884 0.00057	3.38 0.92476 0.00056	2.78 0.94100 0.00053
3.80 0.93219 0.00060	3.40 0.92948 0.00054	2.80 0.94670 0.00054
3.82 0.93699 0.00058	3.42 0.93257 0.00057	2.82 0.95062 0.00052
3.84 0.94176 0.00058	3.44 0.93736 0.00056	2.84 0.95597 0.00055
3.86 0.94393 0.00057	3.46 0.94214 0.00057	2.86 0.96153 0.00055
3.88 0.94829 0.00059	3.48 0.94567 0.00057	2.88 0.96675 0.00056
3.90 0.95180 0.00058	3.50 0.95036 0.00059	2.90 0.97271 0.00053
3.92 0.95422 0.00058	3.52 0.95332 0.00056	2.92 0.97760 0.00054
3.94 0.95819 0.00058	3.54 0.95740 0.00058	2.94 0.98152 0.00056
3.96 0.96222 0.00058	3.56 0.96234 0.00058	2.96 0.98698 0.00057

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3.98	0.96556	0.00058	3.58	0.96817	0.00057	2.98	0.99223	0.00055
4.00	0.96873	0.00058	3.60	0.97033	0.00058	3.00	0.99758	0.00057
4.02	0.97267	0.00060	3.62	0.97351	0.00057	3.02	1.00227	0.00055
4.04	0.97554	0.00057	3.64	0.97807	0.00059	3.04	1.00792	0.00056
4.06	0.97881	0.00059	3.66	0.98244	0.00059	3.06	1.01357	0.00054
4.08	0.98293	0.00059	3.68	0.98752	0.00056	3.08	1.01858	0.00056
4.10	0.98679	0.00060	3.70	0.99088	0.00058	3.10	1.02364	0.00055
4.12	0.98983	0.00055	3.72	0.99467	0.00056			
4.14	0.99353	0.00059	3.74	0.99793	0.00060			
4.16	0.99611	0.00062	3.76	1.00254	0.00060			
4.18	0.99917	0.00058	3.78	1.00524	0.00058			
4.20	1.00338	0.00061	3.80	1.01049	0.00058			
4.22	1.00639	0.00057						
4.24	1.00942	0.00060						
4.26	1.01288	0.00060						
4.28	1.01535	0.00059						
4.30	1.02013	0.00060						

10000			15000			19600		
2.20	0.90315	0.00050	1.60	0.90888	0.00046	1.20	0.89958	0.00049
2.22	0.90890	0.00051	1.62	0.91686	0.00048	1.22	0.91031	0.00046
2.24	0.91542	0.00050	1.64	0.92451	0.00047	1.24	0.92034	0.00050
2.26	0.92214	0.00051	1.66	0.93385	0.00049	1.26	0.93054	0.00048
2.28	0.92821	0.00052	1.68	0.94149	0.00045	1.28	0.94129	0.00049
2.30	0.93425	0.00050	1.70	0.94970	0.00048	1.30	0.95135	0.00050
2.32	0.94057	0.00051	1.72	0.95797	0.00049	1.32	0.96101	0.00048
2.34	0.94661	0.00051	1.74	0.96606	0.00050	1.34	0.97150	0.00050
2.36	0.95384	0.00053	1.76	0.97411	0.00049	1.36	0.98221	0.00050
2.38	0.95871	0.00052	1.78	0.98139	0.00049	1.38	0.99115	0.00051
2.40	0.96580	0.00050	1.80	0.99034	0.00049	1.40	1.00147	0.00051
2.42	0.97168	0.00053	1.82	0.99677	0.00049	1.42	1.01122	0.00051
2.44	0.97748	0.00053	1.84	1.00543	0.00052	1.44	1.02143	0.00049
2.46	0.98357	0.00053	1.85	1.00871	0.00050	1.45	1.02555	0.00053
2.48	0.99099	0.00051						
2.50	0.99649	0.00055						
2.52	1.00192	0.00053						
2.54	1.00862	0.00055						
2.56	1.01440	0.00055						
2.58	1.02039	0.00056						
2.60	1.02616	0.00052						

## sumtable.pu-pl-0850-01

10			11			12		
17.00	0.93214	0.00028	13.00	0.92181	0.00034	11.00	0.91526	0.00035
18.00	0.94072	0.00027	13.25	0.92547	0.00032	11.25	0.92022	0.00036
19.00	0.94905	0.00027	13.50	0.92936	0.00033	11.50	0.92607	0.00036
20.00	0.95482	0.00026	13.75	0.93396	0.00034	11.75	0.93238	0.00036
21.00	0.96148	0.00027	14.00	0.93669	0.00031	12.00	0.93670	0.00035
22.00	0.96694	0.00027	14.25	0.94063	0.00032	12.25	0.94165	0.00035
23.00	0.97168	0.00027	14.50	0.94356	0.00034	12.50	0.94715	0.00034
24.00	0.97597	0.00024	14.75	0.94800	0.00032	12.75	0.95110	0.00035
25.00	0.97991	0.00025	15.00	0.95102	0.00031	13.00	0.95582	0.00035
26.00	0.98387	0.00025	15.25	0.95331	0.00032	13.25	0.95965	0.00034

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27.00	0.98696	0.00025	15.50	0.95637	0.00031	13.50	0.96402	0.00033
28.00	0.98872	0.00025	15.75	0.95883	0.00031	13.75	0.96805	0.00033
29.00	0.99160	0.00023	16.00	0.96186	0.00031	14.00	0.97225	0.00034
30.00	0.99465	0.00025	16.25	0.96547	0.00030	14.25	0.97578	0.00032
31.00	0.99628	0.00024	16.50	0.96790	0.00031	14.50	0.97923	0.00034
32.00	0.99846	0.00023	16.75	0.96963	0.00031	14.75	0.98243	0.00032
33.00	1.00071	0.00022	17.00	0.97223	0.00031	15.00	0.98548	0.00032
34.00	1.00259	0.00024	17.25	0.97459	0.00030	15.25	0.98898	0.00031
35.00	1.00351	0.00022	17.50	0.97609	0.00030	15.50	0.99185	0.00032
36.00	1.00584	0.00024	17.75	0.97902	0.00029	15.75	0.99487	0.00033
37.00	1.00720	0.00023	18.00	0.98109	0.00029	16.00	0.99828	0.00033
			18.25	0.98288	0.00030	16.25	1.00042	0.00032
			18.50	0.98533	0.00030	16.50	1.00332	0.00031
			18.75	0.98717	0.00028	16.75	1.00593	0.00031
			19.00	0.98902	0.00029	17.00	1.00808	0.00031
			19.25	0.99044	0.00029	17.25	1.01031	0.00031
			19.50	0.99246	0.00030	17.50	1.01276	0.00032
			19.75	0.99382	0.00028	17.75	1.01457	0.00030
			20.00	0.99661	0.00028	18.00	1.01753	0.00030
			20.25	0.99794	0.00028			
			20.50	0.99919	0.00028			
			20.75	1.00096	0.00028			
			21.00	1.00187	0.00028			
			21.25	1.00360	0.00029			
			21.50	1.00492	0.00027			

15	20	25						
8.00	0.89477	0.00041	6.90	0.92424	0.00046	6.00	0.91964	0.00052
8.20	0.90321	0.00044	6.95	0.92656	0.00048	6.05	0.92384	0.00052
8.40	0.91085	0.00045	7.00	0.92921	0.00049	6.10	0.92683	0.00052
8.60	0.92004	0.00042	7.05	0.93230	0.00047	6.15	0.93010	0.00048
8.80	0.92721	0.00041	7.10	0.93584	0.00047	6.20	0.93410	0.00051
9.00	0.93500	0.00041	7.15	0.93777	0.00047	6.25	0.93774	0.00051
9.20	0.94243	0.00041	7.20	0.94148	0.00047	6.30	0.94143	0.00054
9.40	0.94995	0.00042	7.25	0.94423	0.00046	6.35	0.94533	0.00053
9.60	0.95594	0.00041	7.30	0.94700	0.00046	6.40	0.94847	0.00049
9.80	0.96198	0.00041	7.35	0.94944	0.00047	6.45	0.95165	0.00051
10.00	0.96807	0.00040	7.40	0.95168	0.00046	6.50	0.95475	0.00052
10.20	0.97448	0.00040	7.45	0.95506	0.00047	6.55	0.95902	0.00050
10.40	0.98048	0.00038	7.50	0.95762	0.00047	6.60	0.96214	0.00052
10.60	0.98616	0.00039	7.55	0.96000	0.00046	6.65	0.96583	0.00050
10.80	0.99054	0.00039	7.60	0.96228	0.00046	6.70	0.96851	0.00052
11.00	0.99657	0.00038	7.65	0.96573	0.00046	6.75	0.97161	0.00049
11.20	1.00133	0.00039	7.70	0.96798	0.00047	6.80	0.97500	0.00052
11.40	1.00646	0.00039	7.75	0.97105	0.00045	6.85	0.97742	0.00051
11.60	1.01163	0.00040	7.80	0.97338	0.00047	6.90	0.98107	0.00050
11.80	1.01632	0.00039	7.85	0.97510	0.00047	6.95	0.98380	0.00053
12.00	1.02070	0.00040	7.90	0.97794	0.00046	7.00	0.98678	0.00051
12.20	1.02437	0.00038	7.95	0.98067	0.00046	7.05	0.99117	0.00052
12.40	1.02836	0.00039	8.00	0.98322	0.00045	7.10	0.99432	0.00049
12.60	1.03226	0.00038	8.05	0.98491	0.00046	7.15	0.99654	0.00052
12.80	1.03640	0.00037	8.10	0.98839	0.00047	7.20	0.99920	0.00051
13.00	1.03997	0.00038	8.15	0.98963	0.00045	7.25	1.00222	0.00048
			8.20	0.99255	0.00046	7.30	1.00614	0.00051
			8.25	0.99447	0.00046			
			8.30	0.99663	0.00047			
			8.35	0.99967	0.00045			
			8.40	1.00136	0.00045			
			8.45	1.00329	0.00046			
			8.50	1.00588	0.00045			

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30	40	50
5.50 0.91859 0.00055	5.00 0.92096 0.00060	4.70 0.91929 0.00060
5.55 0.92198 0.00052	5.05 0.92646 0.00059	4.75 0.92422 0.00060
5.60 0.92636 0.00055	5.10 0.93168 0.00057	4.80 0.93189 0.00058
5.65 0.93045 0.00054	5.15 0.93601 0.00057	4.85 0.93566 0.00061
5.70 0.93518 0.00054	5.20 0.94052 0.00057	4.90 0.94090 0.00060
5.75 0.93897 0.00052	5.25 0.94604 0.00058	4.95 0.94586 0.00058
5.80 0.94325 0.00054	5.30 0.95161 0.00059	5.00 0.95059 0.00059
5.85 0.94746 0.00053	5.35 0.95554 0.00057	5.05 0.95664 0.00061
5.90 0.95080 0.00055	5.40 0.95955 0.00058	5.10 0.96110 0.00061
5.95 0.95468 0.00052	5.45 0.96485 0.00057	5.15 0.96589 0.00062
6.00 0.95901 0.00054	5.50 0.96860 0.00058	5.20 0.96906 0.00060
6.05 0.96188 0.00054	5.55 0.97251 0.00058	5.25 0.97591 0.00060
6.10 0.96636 0.00055	5.60 0.97641 0.00058	5.30 0.97974 0.00058
6.15 0.97015 0.00054	5.65 0.98185 0.00059	5.35 0.98378 0.00061
6.20 0.97319 0.00054	5.70 0.98631 0.00058	5.40 0.98877 0.00059
6.25 0.97629 0.00055	5.75 0.99074 0.00056	5.45 0.99440 0.00061
6.30 0.98202 0.00054	5.80 0.99408 0.00059	5.50 0.99739 0.00059
6.35 0.98502 0.00053	5.85 0.99741 0.00056	5.55 1.00212 0.00061
6.40 0.98855 0.00052	5.90 1.00258 0.00058	5.60 1.00667 0.00061
6.45 0.99307 0.00053	5.95 1.00643 0.00061	
6.50 0.99622 0.00054	6.00 1.01068 0.00058	
6.55 0.99962 0.00053		
6.60 1.00212 0.00055		
6.65 1.00559 0.00052		
6.70 1.00911 0.00053		
75	100	150
4.40 0.92250 0.00063	4.30 0.92323 0.00065	4.20 0.91679 0.00063
4.45 0.92748 0.00061	4.35 0.92788 0.00068	4.25 0.92390 0.00064
4.50 0.93193 0.00062	4.40 0.93364 0.00062	4.30 0.92829 0.00065
4.55 0.93823 0.00061	4.45 0.93974 0.00064	4.35 0.93332 0.00065
4.60 0.94319 0.00062	4.50 0.94555 0.00062	4.40 0.93945 0.00063
4.65 0.94886 0.00063	4.55 0.95146 0.00065	4.45 0.94419 0.00063
4.70 0.95415 0.00060	4.60 0.95555 0.00061	4.50 0.94970 0.00063
4.75 0.95862 0.00064	4.65 0.96144 0.00065	4.55 0.95493 0.00065
4.80 0.96429 0.00063	4.70 0.96687 0.00063	4.60 0.96056 0.00065
4.85 0.96907 0.00062	4.75 0.97090 0.00066	4.65 0.96613 0.00066
4.90 0.97582 0.00062	4.80 0.97591 0.00063	4.70 0.97100 0.00067
4.95 0.98030 0.00062	4.85 0.98122 0.00062	4.75 0.97492 0.00065
5.00 0.98492 0.00060	4.90 0.98613 0.00064	4.80 0.98125 0.00063
5.05 0.99031 0.00063	4.95 0.99164 0.00065	4.85 0.98503 0.00066
5.10 0.99518 0.00064	5.00 0.99657 0.00066	4.90 0.99111 0.00066
5.15 0.99898 0.00064	5.05 1.00073 0.00062	4.95 0.99580 0.00065
5.20 1.00431 0.00064	5.10 1.00615 0.00066	5.00 0.99958 0.00065
5.25 1.00974 0.00062		5.05 1.00504 0.00066
5.30 1.01248 0.00062		5.10 1.00875 0.00066

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200	350	500
4.30 0.92630 0.00066	4.30 0.91853 0.00067	4.30 0.91643 0.00067
4.35 0.93100 0.00066	4.35 0.92337 0.00065	4.35 0.92079 0.00066
4.40 0.93581 0.00063	4.40 0.92730 0.00066	4.40 0.92677 0.00067
4.45 0.94195 0.00066	4.45 0.93462 0.00064	4.45 0.93128 0.00064
4.50 0.94677 0.00068	4.50 0.93864 0.00067	4.50 0.93645 0.00067
4.55 0.95195 0.00068	4.55 0.94295 0.00066	4.55 0.94119 0.00063
4.60 0.95665 0.00065	4.60 0.94804 0.00061	4.60 0.94496 0.00066
4.65 0.96151 0.00065	4.65 0.95252 0.00066	4.65 0.95033 0.00064
4.70 0.96755 0.00066	4.70 0.95806 0.00067	4.70 0.95390 0.00065
4.75 0.97196 0.00065	4.75 0.96243 0.00067	4.75 0.95888 0.00066
4.80 0.97720 0.00061	4.80 0.96618 0.00063	4.80 0.96305 0.00066
4.85 0.98224 0.00066	4.85 0.97066 0.00065	4.85 0.96711 0.00067
4.90 0.98761 0.00065	4.90 0.97561 0.00065	4.90 0.97276 0.00065
4.95 0.99203 0.00067	4.95 0.98091 0.00066	4.95 0.97702 0.00065
5.00 0.99563 0.00067	5.00 0.98393 0.00067	5.00 0.98028 0.00066
5.05 1.00111 0.00064	5.05 0.98923 0.00066	5.05 0.98526 0.00065
5.10 1.00460 0.00065	5.10 0.99356 0.00067	5.10 0.98877 0.00064
5.15 1.00910 0.00064	5.15 0.99723 0.00066	5.15 0.99378 0.00065
5.20 1.01567 0.00065	5.20 1.00069 0.00064	5.20 0.99787 0.00066
	5.25 1.00587 0.00065	5.25 1.00224 0.00064
	5.30 1.00875 0.00066	5.30 1.00578 0.00066

750	1000	1500
4.30 0.92456 0.00061	4.00 0.90745 0.00066	3.80 0.92455 0.00064
4.35 0.92967 0.00062	4.05 0.91475 0.00065	3.85 0.93012 0.00064
4.40 0.93360 0.00064	4.10 0.91856 0.00065	3.90 0.93667 0.00060
4.45 0.93886 0.00065	4.15 0.92411 0.00065	3.95 0.94210 0.00063
4.50 0.94472 0.00065	4.20 0.92845 0.00063	4.00 0.94725 0.00064
4.55 0.94766 0.00062	4.25 0.93410 0.00062	4.05 0.95248 0.00065
4.60 0.95351 0.00064	4.30 0.94025 0.00064	4.10 0.95758 0.00063
4.65 0.95683 0.00067	4.35 0.94403 0.00061	4.15 0.96159 0.00061
4.70 0.96216 0.00064	4.40 0.94864 0.00061	4.20 0.96815 0.00062
4.75 0.96610 0.00065	4.45 0.95367 0.00062	4.25 0.97327 0.00061
4.80 0.96965 0.00061	4.50 0.95892 0.00064	4.30 0.97816 0.00061
4.85 0.97559 0.00065	4.55 0.96249 0.00064	4.35 0.98239 0.00063
4.90 0.97979 0.00066	4.60 0.96748 0.00063	4.40 0.98814 0.00062
4.95 0.98386 0.00063	4.65 0.97213 0.00066	4.45 0.99317 0.00062
5.00 0.98807 0.00063	4.70 0.97612 0.00064	4.50 0.99723 0.00063
5.05 0.99193 0.00066	4.75 0.98016 0.00064	4.55 1.00266 0.00063
5.10 0.99565 0.00068	4.80 0.98477 0.00063	4.60 1.00576 0.00062
5.15 0.99992 0.00065	4.85 0.98962 0.00063	
5.20 1.00287 0.00063	4.90 0.99468 0.00063	
	4.95 0.99723 0.00066	
	5.00 1.00194 0.00064	
	5.05 1.00643 0.00062	
	5.10 1.01006 0.00063	

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2000	2500	3000
3.40 0.91676 0.00063	3.10 0.91423 0.00061	2.90 0.92228 0.00063
3.42 0.91854 0.00062	3.12 0.91717 0.00059	2.92 0.92541 0.00062
3.44 0.92166 0.00062	3.14 0.92058 0.00061	2.94 0.92733 0.00060
3.46 0.92485 0.00063	3.16 0.92337 0.00063	2.96 0.93190 0.00063
3.48 0.92591 0.00062	3.18 0.92612 0.00062	2.98 0.93460 0.00058
3.50 0.92974 0.00062	3.20 0.93041 0.00062	3.00 0.93803 0.00061
3.52 0.93250 0.00062	3.22 0.93269 0.00061	3.02 0.94046 0.00062
3.54 0.93488 0.00061	3.24 0.93510 0.00061	3.04 0.94541 0.00060
3.56 0.93689 0.00062	3.26 0.93817 0.00063	3.06 0.94765 0.00061
3.58 0.93898 0.00060	3.28 0.94086 0.00061	3.08 0.94989 0.00059
3.60 0.94148 0.00060	3.30 0.94380 0.00063	3.10 0.95377 0.00060
3.62 0.94441 0.00062	3.32 0.94715 0.00062	3.12 0.95610 0.00061
3.64 0.94802 0.00061	3.34 0.94951 0.00060	3.14 0.95972 0.00062
3.66 0.94903 0.00060	3.36 0.95143 0.00061	3.16 0.96241 0.00062
3.68 0.95132 0.00061	3.38 0.95467 0.00062	3.18 0.96525 0.00062
3.70 0.95433 0.00063	3.40 0.95698 0.00061	3.20 0.96858 0.00060
3.72 0.95506 0.00062	3.42 0.96070 0.00061	3.22 0.97097 0.00059
3.74 0.95884 0.00061	3.44 0.96251 0.00060	3.24 0.97486 0.00061
3.76 0.96154 0.00064	3.46 0.96537 0.00062	3.26 0.97657 0.00063
3.78 0.96354 0.00063	3.48 0.96852 0.00060	3.28 0.97986 0.00063
3.80 0.96620 0.00063	3.50 0.97041 0.00060	3.30 0.98267 0.00060
3.82 0.96893 0.00062	3.52 0.97205 0.00063	3.32 0.98620 0.00061
3.84 0.97131 0.00061	3.54 0.97688 0.00059	3.34 0.98915 0.00062
3.86 0.97382 0.00064	3.56 0.97829 0.00063	3.36 0.99040 0.00062
3.88 0.97445 0.00061	3.58 0.98140 0.00060	3.38 0.99481 0.00059
3.90 0.97787 0.00063	3.60 0.98385 0.00063	3.40 0.99740 0.00063
3.92 0.97997 0.00061	3.62 0.98591 0.00061	3.42 0.99934 0.00062
3.94 0.98319 0.00063	3.64 0.98839 0.00059	3.44 1.00364 0.00061
3.96 0.98534 0.00063	3.66 0.99104 0.00063	3.46 1.00613 0.00058
3.98 0.98810 0.00060	3.68 0.99365 0.00062	3.48 1.00865 0.00061
4.00 0.98970 0.00061	3.70 0.99661 0.00060	3.50 1.01127 0.00062
4.02 0.99161 0.00061	3.72 0.99881 0.00065	
4.04 0.99391 0.00061	3.74 1.00173 0.00063	
4.06 0.99737 0.00062	3.76 1.00385 0.00064	
4.08 0.99728 0.00061	3.78 1.00691 0.00063	
4.10 1.00029 0.00062	3.80 1.00878 0.00062	
4.12 1.00259 0.00063		
4.14 1.00526 0.00062		
4.16 1.00755 0.00061		
4.18 1.00944 0.00065		
4.20 1.01082 0.00063		

4000	5000	7500
2.50 0.92111 0.00059	2.20 0.92159 0.00063	1.70 0.92264 0.00059
2.52 0.92503 0.00060	2.22 0.92488 0.00061	1.72 0.92760 0.00059
2.54 0.92889 0.00063	2.24 0.93002 0.00059	1.74 0.93455 0.00061
2.56 0.93308 0.00061	2.26 0.93408 0.00061	1.76 0.93991 0.00059
2.58 0.93640 0.00060	2.28 0.93825 0.00059	1.78 0.94517 0.00061
2.60 0.94112 0.00061	2.30 0.94278 0.00059	1.80 0.95064 0.00060
2.62 0.94431 0.00061	2.32 0.94659 0.00060	1.82 0.95736 0.00062
2.64 0.94793 0.00059	2.34 0.95171 0.00059	1.84 0.96191 0.00060
2.66 0.95109 0.00063	2.36 0.95527 0.00061	1.86 0.96844 0.00061
2.68 0.95567 0.00064	2.38 0.95997 0.00059	1.88 0.97382 0.00057
2.70 0.95926 0.00060	2.40 0.96413 0.00061	1.90 0.97910 0.00058
2.72 0.96355 0.00062	2.42 0.96822 0.00060	1.92 0.98449 0.00061
2.74 0.96703 0.00061	2.44 0.97235 0.00062	1.94 0.99110 0.00061
2.76 0.96946 0.00058	2.46 0.97646 0.00062	1.96 0.99505 0.00061

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2.78	0.97401	0.00060	2.48	0.97986	0.00062	1.98	1.00012	0.00062
2.80	0.97614	0.00062	2.50	0.98488	0.00061	2.00	1.00513	0.00062
2.82	0.98086	0.00059	2.52	0.98775	0.00062			
2.84	0.98418	0.00059	2.54	0.99200	0.00060			
2.86	0.98786	0.00060	2.56	0.99611	0.00059			
2.88	0.99110	0.00062	2.58	1.00073	0.00061			
2.90	0.99384	0.00062	2.60	1.00478	0.00062			
2.92	0.99687	0.00060						
2.94	0.99977	0.00064						
2.96	1.00395	0.00060						
2.98	1.00755	0.00063						
3.00	1.01036	0.00060						

10000	15000	19600
1.35 0.91450 0.00059	0.95 0.91426 0.00057	0.70 0.89496 0.00057
1.37 0.92111 0.00059	0.96 0.91916 0.00054	0.71 0.90079 0.00056
1.39 0.92756 0.00060	0.97 0.92391 0.00057	0.72 0.90707 0.00057
1.41 0.93631 0.00057	0.98 0.92832 0.00059	0.73 0.91417 0.00057
1.43 0.94223 0.00060	0.99 0.93385 0.00058	0.74 0.92108 0.00055
1.45 0.94910 0.00059	1.00 0.93821 0.00059	0.75 0.92746 0.00057
1.47 0.95643 0.00058	1.01 0.94330 0.00056	0.76 0.93340 0.00058
1.49 0.96283 0.00057	1.02 0.94861 0.00057	0.77 0.94030 0.00055
1.51 0.97095 0.00060	1.03 0.95452 0.00058	0.78 0.94579 0.00055
1.53 0.97679 0.00057	1.04 0.95777 0.00055	0.79 0.95301 0.00058
1.55 0.98411 0.00059	1.05 0.96279 0.00058	0.80 0.95858 0.00056
1.57 0.98976 0.00061	1.06 0.96748 0.00061	0.81 0.96448 0.00056
1.59 0.99714 0.00060	1.07 0.97242 0.00061	0.82 0.97162 0.00059
1.61 1.00361 0.00059	1.08 0.97667 0.00057	0.83 0.97741 0.00057
1.63 1.00943 0.00059	1.09 0.98238 0.00058	0.84 0.98335 0.00056
1.65 1.01567 0.00056	1.10 0.98619 0.00056	0.85 0.99014 0.00058
1.67 1.02236 0.00061	1.11 0.99086 0.00058	0.86 0.99587 0.00058
1.69 1.02783 0.00062	1.12 0.99585 0.00058	0.87 1.00226 0.00056
1.70 1.03234 0.00060	1.13 1.00012 0.00058	0.88 1.00790 0.00059
	1.14 1.00447 0.00059	0.89 1.01329 0.00060
	1.15 1.01060 0.00058	0.90 1.01955 0.00059

## sumtable.pu-pl-0850-10

10	11	12
15.00 0.92369 0.00028	12.00 0.92380 0.00031	10.00 0.91808 0.00035
16.00 0.93351 0.00028	12.25 0.92776 0.00031	10.25 0.92359 0.00032
17.00 0.94172 0.00028	12.50 0.93127 0.00032	10.50 0.92901 0.00032
18.00 0.95026 0.00027	12.75 0.93525 0.00031	10.75 0.93440 0.00035
19.00 0.95605 0.00027	13.00 0.93864 0.00031	11.00 0.93909 0.00034
20.00 0.96226 0.00026	13.25 0.94239 0.00030	11.25 0.94458 0.00034
21.00 0.96723 0.00026	13.50 0.94615 0.00029	11.50 0.94904 0.00032
22.00 0.97178 0.00025	13.75 0.94916 0.00031	11.75 0.95375 0.00032
23.00 0.97668 0.00025	14.00 0.95232 0.00028	12.00 0.95788 0.00032
24.00 0.98029 0.00025	14.25 0.95564 0.00030	12.25 0.96263 0.00031
25.00 0.98367 0.00024	14.50 0.95767 0.00030	12.50 0.96636 0.00033
26.00 0.98674 0.00026	14.75 0.96111 0.00029	12.75 0.96987 0.00032
27.00 0.98973 0.00025	15.00 0.96403 0.00029	13.00 0.97409 0.00032
28.00 0.99249 0.00024	15.25 0.96618 0.00029	13.25 0.97739 0.00031
29.00 0.99497 0.00024	15.50 0.96947 0.00029	13.50 0.98143 0.00032

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30.00	0.99743	0.00023	15.75	0.97078	0.00029	13.75	0.98417	0.00031
31.00	0.99958	0.00023	16.00	0.97341	0.00029	14.00	0.98734	0.00031
32.00	1.00170	0.00022	16.25	0.97622	0.00028	14.25	0.99003	0.00031
33.00	1.00264	0.00023	16.50	0.97748	0.00029	14.50	0.99331	0.00031
34.00	1.00479	0.00022	16.75	0.98003	0.00029	14.75	0.99641	0.00031
35.00	1.00621	0.00022	17.00	0.98184	0.00028	15.00	0.99964	0.00031
			17.25	0.98411	0.00030	15.25	1.00181	0.00031
			17.50	0.98671	0.00028	15.50	1.00490	0.00030
			17.75	0.98869	0.00028	15.75	1.00713	0.00030
			18.00	0.99023	0.00028	16.00	1.00970	0.00029
			18.25	0.99202	0.00027			
			18.50	0.99412	0.00028			
			18.75	0.99570	0.00028			
			19.00	0.99669	0.00027			
			19.25	0.99840	0.00028			
			19.50	1.00033	0.00026			
			19.75	1.00149	0.00027			
			20.00	1.00328	0.00028			

15	20	25						
7.00	0.89986	0.00040	5.70	0.92128	0.00043	4.80	0.91810	0.00047
7.25	0.91096	0.00041	5.75	0.92530	0.00043	4.85	0.92222	0.00048
7.50	0.92052	0.00039	5.80	0.92771	0.00044	4.90	0.92558	0.00047
7.75	0.92994	0.00039	5.85	0.93065	0.00045	4.95	0.92975	0.00047
8.00	0.94014	0.00039	5.90	0.93318	0.00042	5.00	0.93352	0.00049
8.25	0.94901	0.00039	5.95	0.93707	0.00044	5.05	0.93784	0.00047
8.50	0.95716	0.00038	6.00	0.93990	0.00043	5.10	0.94073	0.00048
8.75	0.96579	0.00037	6.05	0.94254	0.00044	5.15	0.94550	0.00047
9.00	0.97415	0.00037	6.10	0.94549	0.00043	5.20	0.94775	0.00047
9.25	0.98007	0.00039	6.15	0.94769	0.00043	5.25	0.95156	0.00048
9.50	0.98738	0.00036	6.20	0.95022	0.00043	5.30	0.95431	0.00047
9.75	0.99509	0.00038	6.25	0.95289	0.00043	5.35	0.95882	0.00048
10.00	1.00056	0.00037	6.30	0.95623	0.00045	5.40	0.96178	0.00047
10.25	1.00599	0.00038	6.35	0.95909	0.00044	5.45	0.96652	0.00047
10.50	1.01314	0.00038	6.40	0.96128	0.00041	5.50	0.96874	0.00048
10.75	1.01843	0.00037	6.45	0.96388	0.00044	5.55	0.97273	0.00046
11.00	1.02364	0.00035	6.50	0.96608	0.00045	5.60	0.97543	0.00048
11.25	1.02958	0.00036	6.55	0.96941	0.00044	5.65	0.97878	0.00045
11.50	1.03392	0.00035	6.60	0.97260	0.00043	5.70	0.98160	0.00047
11.75	1.03880	0.00034	6.65	0.97471	0.00046	5.75	0.98588	0.00047
12.00	1.04378	0.00036	6.70	0.97691	0.00043	5.80	0.98785	0.00047
12.25	1.04759	0.00035	6.75	0.97982	0.00043	5.85	0.99098	0.00047
12.50	1.05220	0.00033	6.80	0.98083	0.00044	5.90	0.99459	0.00046
12.75	1.05661	0.00035	6.85	0.98407	0.00043	5.95	0.99672	0.00046
13.00	1.06045	0.00036	6.90	0.98656	0.00045	6.00	1.00009	0.00049
			6.95	0.98944	0.00042	6.05	1.00261	0.00046
			7.00	0.99189	0.00045	6.10	1.00575	0.00045
			7.05	0.99322	0.00045			
			7.10	0.99611	0.00043			
			7.15	0.99836	0.00042			
			7.20	1.00050	0.00043			
			7.25	1.00311	0.00042			
			7.30	1.00537	0.00043			
			7.35	1.00644	0.00042			
			7.40	1.00925	0.00042			

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30	40	50
4.30 0.91911 0.00051	3.70 0.91712 0.00052	3.40 0.91955 0.00056
4.35 0.92378 0.00048	3.75 0.92297 0.00051	3.45 0.92591 0.00057
4.40 0.92742 0.00050	3.80 0.92823 0.00053	3.50 0.93125 0.00056
4.45 0.93281 0.00050	3.85 0.93371 0.00054	3.55 0.93663 0.00056
4.50 0.93635 0.00051	3.90 0.93754 0.00052	3.60 0.94215 0.00055
4.55 0.94049 0.00050	3.95 0.94186 0.00053	3.65 0.94831 0.00055
4.60 0.94442 0.00050	4.00 0.94776 0.00051	3.70 0.95283 0.00054
4.65 0.94913 0.00050	4.05 0.95282 0.00053	3.75 0.95765 0.00056
4.70 0.95335 0.00049	4.10 0.95748 0.00054	3.80 0.96322 0.00055
4.75 0.95839 0.00049	4.15 0.96236 0.00053	3.85 0.96712 0.00056
4.80 0.96102 0.00051	4.20 0.96679 0.00052	3.90 0.97320 0.00055
4.85 0.96500 0.00050	4.25 0.97010 0.00052	3.95 0.97750 0.00055
4.90 0.96853 0.00049	4.30 0.97570 0.00052	4.00 0.98234 0.00056
4.95 0.97263 0.00050	4.35 0.98008 0.00051	4.05 0.98608 0.00056
5.00 0.97657 0.00050	4.40 0.98360 0.00053	4.10 0.99211 0.00055
5.05 0.98030 0.00051	4.45 0.98917 0.00052	4.15 0.99721 0.00055
5.10 0.98364 0.00050	4.50 0.99275 0.00050	4.20 1.00042 0.00058
5.15 0.98810 0.00051	4.55 0.99729 0.00052	4.25 1.00562 0.00054
5.20 0.99198 0.00050	4.60 1.00162 0.00052	4.30 1.00948 0.00053
5.25 0.99456 0.00049	4.65 1.00465 0.00056	
5.30 0.99753 0.00051	4.70 1.00918 0.00051	
5.35 1.00269 0.00049		
5.40 1.00604 0.00049		

75	100	150
3.00 0.92069 0.00057	2.80 0.91827 0.00057	2.60 0.91361 0.00061
3.05 0.92574 0.00055	2.82 0.92064 0.00058	2.65 0.91847 0.00059
3.10 0.93219 0.00058	2.84 0.92254 0.00061	2.70 0.92605 0.00060
3.15 0.93799 0.00058	2.86 0.92602 0.00060	2.75 0.93096 0.00058
3.20 0.94406 0.00055	2.88 0.92807 0.00057	2.80 0.93756 0.00063
3.25 0.94956 0.00057	2.90 0.93068 0.00059	2.85 0.94222 0.00063
3.30 0.95452 0.00059	2.92 0.93233 0.00058	2.90 0.94893 0.00060
3.35 0.96046 0.00059	2.94 0.93522 0.00057	2.95 0.95387 0.00058
3.40 0.96681 0.00059	2.96 0.93720 0.00057	3.00 0.95994 0.00061
3.45 0.97155 0.00057	2.98 0.93999 0.00060	3.05 0.96443 0.00059
3.50 0.97632 0.00058	3.00 0.94231 0.00060	3.10 0.96991 0.00061
3.55 0.98247 0.00056	3.02 0.94479 0.00057	3.15 0.97604 0.00061
3.60 0.98686 0.00059	3.04 0.94614 0.00061	3.20 0.98031 0.00060
3.65 0.99199 0.00058	3.06 0.94827 0.00059	3.25 0.98602 0.00061
3.70 0.99746 0.00056	3.08 0.95085 0.00060	3.30 0.99178 0.00058
3.75 1.00234 0.00057	3.10 0.95395 0.00059	3.35 0.99789 0.00060
3.80 1.00614 0.00058	3.12 0.95593 0.00060	3.40 1.00058 0.00058
	3.14 0.95829 0.00060	3.45 1.00557 0.00063
	3.16 0.96102 0.00060	3.50 1.01102 0.00060
	3.18 0.96164 0.00057	
	3.20 0.96495 0.00058	
	3.22 0.96690 0.00063	
	3.24 0.96809 0.00059	
	3.26 0.97192 0.00060	
	3.28 0.97313 0.00059	
	3.30 0.97540 0.00060	
	3.32 0.97693 0.00058	
	3.34 0.97868 0.00059	
	3.36 0.98204 0.00058	
	3.38 0.98375 0.00061	
	3.40 0.98493 0.00058	
	3.42 0.98826 0.00058	
	3.44 0.98970 0.00056	

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3.46	0.99223	0.00060
3.48	0.99431	0.00059
3.50	0.99651	0.00058
3.52	0.99901	0.00059
3.54	1.00044	0.00058
3.56	1.00266	0.00057
3.58	1.00448	0.00059
3.60	1.00706	0.00057

200	350	500
2.60 0.92108 0.00059	2.60 0.92751 0.00060	2.50 0.92059 0.00060
2.62 0.92355 0.00060	2.65 0.93319 0.00063	2.55 0.92611 0.00057
2.64 0.92454 0.00059	2.70 0.93894 0.00061	2.60 0.93091 0.00060
2.66 0.92762 0.00059	2.75 0.94262 0.00060	2.65 0.93577 0.00062
2.68 0.93002 0.00059	2.80 0.94873 0.00061	2.70 0.94119 0.00062
2.70 0.93292 0.00061	2.85 0.95253 0.00060	2.75 0.94685 0.00060
2.72 0.93398 0.00061	2.90 0.95878 0.00060	2.80 0.95029 0.00062
2.74 0.93714 0.00060	2.95 0.96399 0.00061	2.85 0.95684 0.00062
2.76 0.93972 0.00061	3.00 0.96896 0.00065	2.90 0.96058 0.00059
2.78 0.94183 0.00059	3.05 0.97313 0.00059	2.95 0.96609 0.00062
2.80 0.94440 0.00061	3.10 0.97693 0.00058	3.00 0.96948 0.00061
2.82 0.94602 0.00059	3.15 0.98137 0.00060	3.05 0.97558 0.00061
2.84 0.94823 0.00061	3.20 0.98591 0.00060	3.10 0.97886 0.00059
2.86 0.94946 0.00059	3.25 0.99254 0.00060	3.15 0.98412 0.00060
2.88 0.95271 0.00060	3.30 0.99598 0.00061	3.20 0.98867 0.00060
2.90 0.95500 0.00061	3.35 1.00069 0.00059	3.25 0.99370 0.00060
2.92 0.95679 0.00060	3.40 1.00468 0.00057	3.30 0.99777 0.00061
2.94 0.95834 0.00060		3.35 1.00078 0.00059
2.96 0.96168 0.00062		3.40 1.00607 0.00061
2.98 0.96261 0.00062		
3.00 0.96559 0.00061		
3.02 0.96843 0.00060		
3.04 0.96860 0.00059		
3.06 0.97192 0.00060		
3.08 0.97285 0.00062		
3.10 0.97422 0.00060		
3.12 0.97709 0.00062		
3.14 0.97881 0.00061		
3.16 0.98091 0.00061		
3.18 0.98324 0.00059		
3.20 0.98585 0.00061		
3.22 0.98760 0.00059		
3.24 0.98906 0.00059		
3.26 0.99216 0.00060		
3.28 0.99286 0.00060		
3.30 0.99478 0.00059		
3.32 0.99702 0.00061		
3.34 0.99869 0.00058		
3.36 1.00084 0.00062		
3.38 1.00271 0.00058		
3.40 1.00454 0.00060		

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750	1000	1500
2.40 0.92009 0.00060	2.30 0.92161 0.00059	2.00 0.91475 0.00060
2.45 0.92495 0.00060	2.35 0.92705 0.00058	2.02 0.91787 0.00055
2.50 0.93048 0.00061	2.40 0.93215 0.00058	2.04 0.91942 0.00058
2.55 0.93554 0.00059	2.45 0.93870 0.00059	2.06 0.92199 0.00059
2.60 0.94173 0.00060	2.50 0.94331 0.00059	2.08 0.92401 0.00057
2.65 0.94612 0.00059	2.55 0.94874 0.00059	2.10 0.92705 0.00060
2.70 0.95086 0.00058	2.60 0.95375 0.00059	2.12 0.92874 0.00058
2.75 0.95641 0.00060	2.65 0.95941 0.00060	2.14 0.93180 0.00061
2.80 0.96048 0.00060	2.70 0.96345 0.00059	2.16 0.93444 0.00061
2.85 0.96639 0.00059	2.75 0.96691 0.00062	2.18 0.93700 0.00058
2.90 0.97038 0.00061	2.80 0.97392 0.00061	2.20 0.93898 0.00057
2.95 0.97512 0.00059	2.85 0.97915 0.00059	2.22 0.94206 0.00060
3.00 0.98023 0.00059	2.90 0.98312 0.00060	2.24 0.94356 0.00059
3.05 0.98318 0.00062	2.95 0.98756 0.00059	2.26 0.94568 0.00058
3.10 0.98855 0.00060	3.00 0.99338 0.00063	2.28 0.94833 0.00057
3.15 0.99178 0.00063	3.05 0.99711 0.00060	2.30 0.95066 0.00058
3.20 0.99690 0.00060	3.10 1.00118 0.00057	2.32 0.95343 0.00061
3.25 1.00067 0.00060	3.15 1.00454 0.00058	2.34 0.95559 0.00059
3.30 1.00605 0.00059	3.20 1.00896 0.00058	2.36 0.95743 0.00060
		2.38 0.96065 0.00061
		2.40 0.96268 0.00059
		2.42 0.96526 0.00060
		2.44 0.96699 0.00059
		2.46 0.96810 0.00061
		2.48 0.97148 0.00058
		2.50 0.97346 0.00059
		2.52 0.97569 0.00058
		2.54 0.97741 0.00059
		2.56 0.97930 0.00058
		2.58 0.98268 0.00059
		2.60 0.98490 0.00059
		2.62 0.98733 0.00060
		2.64 0.98884 0.00060
		2.66 0.99086 0.00058
		2.68 0.99167 0.00060
		2.70 0.99407 0.00057
		2.72 0.99667 0.00058
		2.74 0.99760 0.00058
		2.76 1.00043 0.00061
		2.78 1.00240 0.00059
		2.80 1.00523 0.00059

2000	2500	3000
1.80 0.91696 0.00059	1.60 0.91356 0.00058	1.50 0.92390 0.00059
1.82 0.91983 0.00056	1.62 0.91779 0.00058	1.52 0.92692 0.00058
1.84 0.92165 0.00057	1.64 0.92122 0.00058	1.54 0.93031 0.00057
1.86 0.92548 0.00060	1.66 0.92369 0.00059	1.56 0.93375 0.00058
1.88 0.92950 0.00058	1.68 0.92658 0.00058	1.58 0.93648 0.00058
1.90 0.92990 0.00059	1.70 0.93010 0.00059	1.60 0.93929 0.00058
1.92 0.93461 0.00059	1.72 0.93305 0.00059	1.62 0.94379 0.00059
1.94 0.93684 0.00058	1.74 0.93672 0.00059	1.64 0.94710 0.00058
1.96 0.93894 0.00059	1.76 0.93899 0.00056	1.66 0.95052 0.00058
1.98 0.94260 0.00057	1.78 0.94240 0.00057	1.68 0.95364 0.00057
2.00 0.94527 0.00057	1.80 0.94618 0.00058	1.70 0.95651 0.00056
2.02 0.94816 0.00060	1.82 0.94744 0.00057	1.72 0.96085 0.00058
2.04 0.94954 0.00058	1.84 0.94988 0.00059	1.74 0.96353 0.00060
2.06 0.95200 0.00059	1.86 0.95412 0.00058	1.76 0.96699 0.00057
2.08 0.95494 0.00059	1.88 0.95694 0.00057	1.78 0.96947 0.00059
2.10 0.95793 0.00060	1.90 0.96063 0.00058	1.80 0.97301 0.00061
2.12 0.96017 0.00059	1.92 0.96265 0.00057	1.82 0.97602 0.00057

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2.14	0.96238	0.00060	1.94	0.96500	0.00055	1.84	0.97889	0.00056
2.16	0.96590	0.00059	1.96	0.96940	0.00061	1.86	0.98220	0.00059
2.18	0.96771	0.00059	1.98	0.97150	0.00058	1.88	0.98528	0.00060
2.20	0.96974	0.00060	2.00	0.97339	0.00055	1.90	0.98864	0.00056
2.22	0.97311	0.00060	2.02	0.97699	0.00056	1.92	0.99144	0.00057
2.24	0.97573	0.00058	2.04	0.97997	0.00059	1.94	0.99532	0.00059
2.26	0.97766	0.00059	2.06	0.98312	0.00058	1.96	0.99818	0.00057
2.28	0.97984	0.00062	2.08	0.98554	0.00055	1.98	1.00037	0.00057
2.30	0.98253	0.00057	2.10	0.98946	0.00060	2.00	1.00426	0.00060
2.32	0.98506	0.00060	2.12	0.99052	0.00060			
2.34	0.98718	0.00060	2.14	0.99386	0.00059			
2.36	0.99087	0.00056	2.16	0.99683	0.00058			
2.38	0.99184	0.00060	2.18	0.99944	0.00059			
2.40	0.99554	0.00058	2.20	1.00168	0.00059			
2.42	0.99757	0.00060	2.22	1.00423	0.00059			
2.44	0.99952	0.00059	2.24	1.00658	0.00058			
2.46	1.00146	0.00059	2.26	1.01044	0.00058			
2.48	1.00418	0.00058	2.28	1.01198	0.00058			
2.50	1.00617	0.00058	2.30	1.01527	0.00057			

4000	5000	7500						
1.20	0.91136	0.00056	1.10	0.92915	0.00057	0.75	0.91231	0.00057
1.22	0.91581	0.00057	1.12	0.93253	0.00059	0.77	0.91782	0.00057
1.24	0.91888	0.00057	1.14	0.93899	0.00058	0.79	0.92540	0.00058
1.26	0.92387	0.00056	1.16	0.94363	0.00056	0.81	0.93102	0.00055
1.28	0.92739	0.00056	1.18	0.94739	0.00054	0.83	0.93798	0.00056
1.30	0.93240	0.00058	1.20	0.95279	0.00058	0.85	0.94403	0.00056
1.32	0.93643	0.00058	1.22	0.95689	0.00058	0.87	0.95048	0.00060
1.34	0.94118	0.00058	1.24	0.96189	0.00056	0.89	0.95815	0.00062
1.36	0.94494	0.00056	1.26	0.96722	0.00059	0.91	0.96398	0.00058
1.38	0.94950	0.00057	1.28	0.97076	0.00057	0.93	0.97026	0.00058
1.40	0.95217	0.00056	1.30	0.97581	0.00058	0.95	0.97604	0.00057
1.42	0.95731	0.00057	1.32	0.98026	0.00057	0.97	0.98306	0.00060
1.44	0.96066	0.00058	1.34	0.98507	0.00058	0.99	0.98916	0.00059
1.46	0.96490	0.00056	1.36	0.98762	0.00058	1.01	0.99436	0.00059
1.48	0.96861	0.00057	1.38	0.99309	0.00057	1.03	1.00082	0.00057
1.50	0.97215	0.00058	1.40	0.99809	0.00057	1.05	1.00698	0.00056
1.52	0.97650	0.00058	1.42	1.00180	0.00059	1.07	1.01212	0.00059
1.54	0.97942	0.00058	1.44	1.00570	0.00058	1.09	1.01684	0.00061
1.56	0.98425	0.00059	1.46	1.01032	0.00059	1.10	1.02070	0.00056
1.58	0.98853	0.00057	1.48	1.01532	0.00058			
1.60	0.99067	0.00059	1.50	1.01863	0.00057			
1.62	0.99424	0.00058						
1.64	0.99821	0.00059						
1.66	1.00212	0.00058						
1.68	1.00606	0.00059						
1.70	1.01006	0.00055						

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10000	15000	19600
0.60 0.91864 0.00058	0.40 0.91439 0.00055	0.30 0.91016 0.00058
0.61 0.92237 0.00058	0.41 0.92061 0.00057	0.31 0.91843 0.00056
0.62 0.92801 0.00056	0.42 0.92611 0.00056	0.32 0.92769 0.00059
0.63 0.93233 0.00058	0.43 0.93360 0.00055	0.33 0.93598 0.00058
0.64 0.93588 0.00058	0.44 0.93995 0.00057	0.34 0.94397 0.00057
0.65 0.93972 0.00058	0.45 0.94517 0.00057	0.35 0.95116 0.00056
0.66 0.94504 0.00056	0.46 0.95123 0.00059	0.36 0.95978 0.00060
0.67 0.94794 0.00056	0.47 0.95761 0.00056	0.37 0.96799 0.00058
0.68 0.95243 0.00058	0.48 0.96373 0.00057	0.38 0.97535 0.00060
0.69 0.95636 0.00058	0.49 0.96957 0.00057	0.39 0.98357 0.00059
0.70 0.96135 0.00057	0.50 0.97552 0.00057	0.40 0.99074 0.00060
0.71 0.96465 0.00057	0.51 0.98132 0.00058	0.41 0.99794 0.00059
0.72 0.96933 0.00056	0.52 0.98718 0.00059	0.42 1.00577 0.00056
0.73 0.97312 0.00059	0.53 0.99323 0.00059	0.43 1.01365 0.00060
0.74 0.97739 0.00057	0.54 0.99895 0.00059	0.44 1.02026 0.00059
0.75 0.98139 0.00059	0.55 1.00497 0.00058	0.45 1.02690 0.00060
0.76 0.98460 0.00057		
0.77 0.98827 0.00057		
0.78 0.99259 0.00056		
0.79 0.99552 0.00057		
0.80 0.99981 0.00058		
0.81 1.00403 0.00058		
0.82 1.00753 0.00059		
0.83 1.01068 0.00059		
0.84 1.01457 0.00058		

## sumtable.pu-pl-0900-00

10	11	12
15.00 0.92816 0.00033	12.00 0.90591 0.00036	11.00 0.90934 0.00039
15.50 0.93608 0.00032	12.50 0.91813 0.00036	11.20 0.91549 0.00039
16.00 0.94308 0.00032	13.00 0.92965 0.00035	11.40 0.92208 0.00039
16.50 0.94960 0.00030	13.50 0.94032 0.00035	11.60 0.92803 0.00037
17.00 0.95611 0.00030	14.00 0.95058 0.00035	11.80 0.93333 0.00040
17.50 0.96087 0.00030	14.50 0.95863 0.00033	12.00 0.93874 0.00037
18.00 0.96644 0.00030	15.00 0.96866 0.00034	12.20 0.94358 0.00038
18.50 0.97147 0.00030	15.50 0.97600 0.00033	12.40 0.94992 0.00037
19.00 0.97612 0.00030	16.00 0.98319 0.00033	12.60 0.95390 0.00036
19.50 0.98047 0.00029	16.50 0.98980 0.00032	12.80 0.95940 0.00036
20.00 0.98424 0.00028	17.00 0.99583 0.00031	13.00 0.96396 0.00036
20.50 0.98835 0.00029	17.50 1.00119 0.00032	13.20 0.96837 0.00036
21.00 0.99229 0.00028	18.00 1.00774 0.00031	13.40 0.97284 0.00036
21.50 0.99536 0.00027	18.50 1.01235 0.00031	13.60 0.97681 0.00036
22.00 0.99890 0.00027	19.00 1.01738 0.00029	13.80 0.98047 0.00036
22.50 1.00116 0.00028	19.50 1.02212 0.00030	14.00 0.98472 0.00035
23.00 1.00432 0.00028	20.00 1.02594 0.00030	14.20 0.98927 0.00034
23.50 1.00669 0.00027	20.50 1.03051 0.00030	14.40 0.99231 0.00036
24.00 1.00946 0.00027	21.00 1.03376 0.00031	14.60 0.99676 0.00036
24.50 1.01242 0.00026	21.50 1.03729 0.00028	14.80 1.00034 0.00034
25.00 1.01444 0.00026	22.00 1.04041 0.00028	15.00 1.00360 0.00035
	22.50 1.04338 0.00029	15.10 1.00514 0.00034
	23.00 1.04672 0.00028	
	23.50 1.04934 0.00027	
	24.00 1.05230 0.00029	
	24.50 1.05480 0.00028	
	25.00 1.05664 0.00028	
	25.50 1.05935 0.00027	
	26.00 1.06187 0.00027	

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15	20	25
9.00 0.90484 0.00042	7.80 0.91821 0.00049	7.00 0.91083 0.00055
9.20 0.91472 0.00045	7.85 0.92143 0.00049	7.05 0.91428 0.00052
9.40 0.92487 0.00043	7.90 0.92537 0.00051	7.10 0.91958 0.00053
9.60 0.93424 0.00044	7.95 0.92901 0.00048	7.15 0.92426 0.00054
9.80 0.94275 0.00043	8.00 0.93199 0.00051	7.20 0.92924 0.00055
10.00 0.95203 0.00041	8.05 0.93551 0.00049	7.25 0.93224 0.00054
10.20 0.95964 0.00043	8.10 0.93848 0.00052	7.30 0.93642 0.00053
10.40 0.96768 0.00043	8.15 0.94217 0.00051	7.35 0.94025 0.00053
10.60 0.97568 0.00043	8.20 0.94513 0.00051	7.40 0.94432 0.00056
10.80 0.98334 0.00042	8.25 0.94945 0.00051	7.45 0.94936 0.00054
11.00 0.99003 0.00042	8.30 0.95240 0.00048	7.50 0.95206 0.00054
11.20 0.99685 0.00042	8.35 0.95532 0.00049	7.55 0.95617 0.00055
11.40 1.00335 0.00042	8.40 0.95780 0.00048	7.60 0.96039 0.00055
11.60 1.01022 0.00040	8.45 0.96138 0.00052	7.65 0.96439 0.00056
11.80 1.01583 0.00042	8.50 0.96484 0.00051	7.70 0.96732 0.00055
12.00 1.02261 0.00042	8.55 0.96757 0.00050	7.75 0.97156 0.00053
12.20 1.02731 0.00040	8.60 0.97036 0.00050	7.80 0.97523 0.00055
12.40 1.03251 0.00042	8.65 0.97290 0.00049	7.85 0.97870 0.00054
12.60 1.03887 0.00042	8.70 0.97697 0.00050	7.90 0.98299 0.00052
12.80 1.04394 0.00040	8.75 0.98037 0.00048	7.95 0.98512 0.00053
13.00 1.04874 0.00040	8.80 0.98216 0.00049	8.00 0.98955 0.00054
	8.85 0.98562 0.00047	8.05 0.99350 0.00053
	8.90 0.98780 0.00047	8.10 0.99622 0.00055
	8.95 0.99095 0.00051	8.15 0.99993 0.00053
	9.00 0.99374 0.00048	8.20 1.00406 0.00054
	9.05 0.99666 0.00048	8.25 1.00691 0.00052
	9.10 0.99925 0.00051	8.30 1.01076 0.00053
	9.15 1.00081 0.00050	
	9.20 1.00355 0.00049	
	9.25 1.00636 0.00049	
	9.30 1.00936 0.00046	
30	40	50
6.70 0.92211 0.00056	6.00 0.89586 0.00061	5.90 0.91327 0.00061
6.75 0.92722 0.00059	6.05 0.90266 0.00059	5.95 0.91853 0.00062
6.80 0.93151 0.00058	6.10 0.90691 0.00061	6.00 0.92349 0.00064
6.85 0.93606 0.00057	6.15 0.91321 0.00060	6.05 0.93011 0.00065
6.90 0.94157 0.00055	6.20 0.91859 0.00059	6.10 0.93674 0.00063
6.95 0.94477 0.00057	6.25 0.92516 0.00058	6.15 0.94159 0.00063
7.00 0.94932 0.00058	6.30 0.93005 0.00061	6.20 0.94746 0.00064
7.05 0.95496 0.00056	6.35 0.93456 0.00058	6.25 0.95352 0.00064
7.10 0.95893 0.00056	6.40 0.94077 0.00061	6.30 0.95829 0.00063
7.15 0.96331 0.00056	6.45 0.94712 0.00059	6.35 0.96391 0.00064
7.20 0.96628 0.00056	6.50 0.95148 0.00060	6.40 0.96847 0.00063
7.25 0.97153 0.00055	6.55 0.95610 0.00061	6.45 0.97395 0.00059
7.30 0.97649 0.00056	6.60 0.96199 0.00062	6.50 0.97948 0.00064
7.35 0.97968 0.00058	6.65 0.96642 0.00061	6.55 0.98598 0.00064
7.40 0.98285 0.00055	6.70 0.97106 0.00062	6.60 0.99084 0.00063
7.45 0.98862 0.00055	6.75 0.97608 0.00060	6.65 0.99622 0.00066
7.50 0.99178 0.00057	6.80 0.98032 0.00060	6.70 0.99993 0.00060
7.55 0.99719 0.00056	6.85 0.98517 0.00060	6.75 1.00490 0.00061
7.60 0.99980 0.00056	6.90 0.98969 0.00059	6.80 1.00975 0.00060
7.65 1.00422 0.00057	6.95 0.99522 0.00059	
7.70 1.00810 0.00055	7.00 0.99932 0.00058	
	7.05 1.00382 0.00061	
	7.10 1.00823 0.00061	
	7.15 1.01376 0.00058	
	7.20 1.01734 0.00062	

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75	100	150
5.70 0.92155 0.00066	5.60 0.92098 0.00067	5.50 0.91338 0.00068
5.75 0.92831 0.00063	5.65 0.92725 0.00067	5.52 0.91687 0.00067
5.80 0.93365 0.00066	5.70 0.93351 0.00066	5.54 0.91800 0.00068
5.85 0.94087 0.00067	5.75 0.94006 0.00065	5.56 0.92072 0.00067
5.90 0.94563 0.00065	5.80 0.94621 0.00065	5.58 0.92308 0.00066
5.95 0.95260 0.00064	5.85 0.95189 0.00065	5.60 0.92621 0.00067
6.00 0.95705 0.00067	5.90 0.95655 0.00068	5.62 0.92772 0.00067
6.05 0.96290 0.00066	5.95 0.96456 0.00069	5.64 0.93122 0.00066
6.10 0.96942 0.00068	6.00 0.96949 0.00064	5.66 0.93265 0.00066
6.15 0.97489 0.00066	6.05 0.97490 0.00068	5.68 0.93667 0.00067
6.20 0.98097 0.00066	6.10 0.98022 0.00066	5.70 0.93818 0.00067
6.25 0.98695 0.00066	6.15 0.98674 0.00064	5.72 0.94134 0.00065
6.30 0.99256 0.00065	6.20 0.99235 0.00065	5.74 0.94232 0.00065
6.35 0.99649 0.00066	6.25 0.99709 0.00069	5.76 0.94535 0.00065
6.40 1.00318 0.00067	6.30 1.00424 0.00066	5.78 0.94718 0.00068
6.45 1.00708 0.00066	6.35 1.00856 0.00063	5.80 0.95008 0.00064
6.50 1.01234 0.00064	6.40 1.01282 0.00068	5.82 0.95158 0.00067
		5.84 0.95489 0.00067
		5.86 0.95684 0.00070
		5.88 0.96035 0.00067
		5.90 0.96223 0.00067
		5.92 0.96477 0.00067
		5.94 0.96639 0.00068
		5.96 0.96948 0.00066
		5.98 0.97103 0.00068
		6.00 0.97440 0.00067
		6.02 0.97540 0.00067
		6.04 0.97742 0.00067
		6.06 0.97914 0.00067
		6.08 0.98254 0.00064
		6.10 0.98501 0.00067
		6.12 0.98776 0.00069
		6.14 0.98846 0.00068
		6.16 0.99120 0.00066
		6.18 0.99217 0.00066
		6.20 0.99532 0.00068
		6.22 0.99778 0.00065
		6.24 1.00071 0.00071
		6.26 1.00225 0.00066
		6.28 1.00378 0.00067
		6.30 1.00605 0.00066

200	350	500
5.50 0.91255 0.00069	5.60 0.91890 0.00067	5.60 0.92186 0.00066
5.55 0.91771 0.00068	5.65 0.92494 0.00068	5.65 0.92700 0.00065
5.60 0.92450 0.00070	5.70 0.93178 0.00066	5.70 0.93373 0.00068
5.65 0.93052 0.00068	5.75 0.93818 0.00067	5.75 0.93876 0.00065
5.70 0.93638 0.00065	5.80 0.94195 0.00067	5.80 0.94399 0.00069
5.75 0.94273 0.00068	5.85 0.94884 0.00064	5.85 0.94894 0.00065
5.80 0.94948 0.00069	5.90 0.95312 0.00067	5.90 0.95414 0.00065
5.85 0.95439 0.00067	5.95 0.95866 0.00068	5.95 0.95921 0.00065
5.90 0.96028 0.00067	6.00 0.96524 0.00064	6.00 0.96421 0.00067
5.95 0.96649 0.00068	6.05 0.97035 0.00065	6.05 0.97038 0.00067
6.00 0.97187 0.00065	6.10 0.97463 0.00066	6.10 0.97451 0.00065
6.05 0.97626 0.00066	6.15 0.98041 0.00066	6.15 0.97881 0.00066
6.10 0.98206 0.00069	6.20 0.98512 0.00066	6.20 0.98508 0.00068

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6.15 0.98768 0.00066	6.25 0.98920 0.00067	6.25 0.99041 0.00065
6.25 0.99656 0.00068	6.30 0.99426 0.00069	6.30 0.99422 0.00066
6.30 1.00290 0.00067	6.35 0.99870 0.00067	6.35 1.00059 0.00062
6.35 1.00835 0.00069	6.40 1.00408 0.00068	6.40 1.00348 0.00065
6.40 1.01313 0.00066	6.45 1.00898 0.00070	6.45 1.00872 0.00066
	6.50 1.01255 0.00065	6.50 1.01378 0.00069

750	1000	1500
5.50 0.92229 0.00064	5.30 0.91965 0.00063	4.90 0.91322 0.00063
5.55 0.92911 0.00065	5.35 0.92545 0.00064	4.92 0.91672 0.00063
5.60 0.93368 0.00070	5.40 0.92991 0.00066	4.94 0.91992 0.00063
5.65 0.93934 0.00067	5.45 0.93633 0.00065	4.96 0.92103 0.00061
5.70 0.94526 0.00066	5.50 0.94136 0.00062	4.98 0.92430 0.00062
5.75 0.95120 0.00067	5.55 0.94715 0.00064	5.00 0.92681 0.00066
5.80 0.95490 0.00065	5.60 0.95213 0.00066	5.02 0.92829 0.00063
5.85 0.95997 0.00063	5.65 0.95853 0.00066	5.04 0.93264 0.00064
5.90 0.96592 0.00064	5.70 0.96436 0.00067	5.06 0.93494 0.00066
5.95 0.97224 0.00065	5.75 0.96893 0.00063	5.08 0.93810 0.00060
6.00 0.97575 0.00069	5.80 0.97460 0.00062	5.10 0.93942 0.00061
6.05 0.98068 0.00067	5.85 0.97840 0.00063	5.12 0.94183 0.00063
6.10 0.98668 0.00064	5.90 0.98516 0.00061	5.14 0.94369 0.00062
6.15 0.99164 0.00067	5.95 0.99000 0.00064	5.16 0.94675 0.00066
6.20 0.99611 0.00065	6.00 0.99403 0.00066	5.18 0.94977 0.00063
6.25 1.00089 0.00067	6.05 0.99972 0.00068	5.20 0.95216 0.00064
6.30 1.00575 0.00068	6.10 1.00475 0.00064	5.22 0.95383 0.00063
	6.15 1.00859 0.00065	5.24 0.95717 0.00062
	6.20 1.01591 0.00067	5.26 0.95895 0.00062
		5.28 0.96192 0.00063
		5.30 0.96476 0.00064
		5.32 0.96622 0.00064
		5.34 0.96898 0.00066
		5.36 0.97020 0.00061
		5.38 0.97265 0.00063
		5.40 0.97503 0.00062
		5.42 0.97761 0.00064
		5.44 0.98029 0.00065
		5.46 0.98231 0.00064
		5.48 0.98514 0.00064
		5.50 0.98614 0.00064
		5.52 0.98998 0.00065
		5.56 0.99328 0.00063
		5.58 0.99636 0.00061
		5.60 0.99857 0.00065
		5.62 1.00121 0.00064
		5.64 1.00283 0.00064
		5.66 1.00510 0.00062
		5.68 1.00683 0.00066
		5.70 1.00917 0.00067

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2000	2500	3000
4.60 0.92076 0.00063	4.30 0.92190 0.00061	4.00 0.91530 0.00060
4.62 0.92249 0.00060	4.32 0.92444 0.00061	4.02 0.91771 0.00060
4.64 0.92594 0.00063	4.34 0.92771 0.00062	4.04 0.92118 0.00059
4.66 0.92902 0.00060	4.36 0.93069 0.00061	4.06 0.92492 0.00060
4.68 0.93144 0.00063	4.38 0.93319 0.00061	4.08 0.92946 0.00061
4.70 0.93482 0.00060	4.40 0.93701 0.00059	4.10 0.93292 0.00062
4.72 0.93611 0.00061	4.42 0.94021 0.00059	4.12 0.93586 0.00061
4.74 0.94024 0.00060	4.44 0.94340 0.00061	4.14 0.93855 0.00063
4.76 0.94213 0.00063	4.46 0.94549 0.00061	4.16 0.94048 0.00061
4.78 0.94455 0.00060	4.48 0.94838 0.00061	4.18 0.94542 0.00059
4.80 0.94673 0.00064	4.50 0.95154 0.00060	4.20 0.94919 0.00061
4.82 0.95015 0.00061	4.52 0.95437 0.00059	4.22 0.95271 0.00059
4.84 0.95228 0.00064	4.54 0.95867 0.00063	4.24 0.95441 0.00061
4.86 0.95649 0.00061	4.56 0.96010 0.00060	4.26 0.95920 0.00061
4.88 0.95884 0.00062	4.58 0.96275 0.00060	4.28 0.96122 0.00060
4.90 0.96173 0.00061	4.60 0.96634 0.00063	4.30 0.96570 0.00060
4.92 0.96439 0.00062	4.62 0.96865 0.00063	4.32 0.96835 0.00059
4.94 0.96693 0.00062	4.64 0.97315 0.00061	4.34 0.97110 0.00061
4.96 0.96924 0.00063	4.66 0.97450 0.00060	4.36 0.97438 0.00060
4.98 0.97132 0.00060	4.68 0.97658 0.00060	4.38 0.97758 0.00062
5.00 0.97481 0.00062	4.70 0.98077 0.00063	4.40 0.98006 0.00064
5.02 0.97723 0.00062	4.72 0.98289 0.00061	4.42 0.98327 0.00062
5.04 0.98041 0.00062	4.74 0.98567 0.00061	4.44 0.98654 0.00063
5.06 0.98237 0.00063	4.76 0.98916 0.00061	4.46 0.98917 0.00062
5.08 0.98577 0.00058	4.78 0.99226 0.00062	4.48 0.99254 0.00061
5.10 0.98851 0.00060	4.80 0.99524 0.00063	4.50 0.99671 0.00064
5.12 0.98973 0.00062	4.82 0.99762 0.00061	4.52 0.99909 0.00063
5.14 0.99273 0.00063	4.84 1.00155 0.00063	4.54 1.00249 0.00062
5.16 0.99425 0.00063	4.86 1.00317 0.00061	4.56 1.00658 0.00063
5.18 0.99903 0.00063	4.88 1.00552 0.00061	4.58 1.00901 0.00061
5.20 0.99982 0.00061	4.90 1.00917 0.00062	4.60 1.01057 0.00061
5.22 1.00257 0.00062	4.92 1.01119 0.00061	
5.24 1.00412 0.00061	4.94 1.01347 0.00064	
5.26 1.00695 0.00065	4.96 1.01659 0.00063	
5.28 1.01017 0.00063	4.98 1.01967 0.00062	
5.30 1.01268 0.00062	5.00 1.02227 0.00063	

4000	5000	7500
3.60 0.92103 0.00060	3.20 0.90740 0.00055	2.60 0.90888 0.00055
3.62 0.92437 0.00062	3.22 0.91116 0.00059	2.62 0.91383 0.00052
3.64 0.92902 0.00059	3.24 0.91625 0.00059	2.64 0.91988 0.00053
3.66 0.93243 0.00059	3.26 0.92070 0.00058	2.66 0.92533 0.00054
3.68 0.93590 0.00057	3.28 0.92559 0.00057	2.68 0.93163 0.00054
3.70 0.94085 0.00059	3.30 0.93093 0.00056	2.70 0.93638 0.00055
3.72 0.94450 0.00061	3.32 0.93439 0.00059	2.72 0.94303 0.00055
3.74 0.94792 0.00059	3.34 0.93941 0.00059	2.74 0.94720 0.00055
3.76 0.95259 0.00060	3.36 0.94302 0.00057	2.76 0.95395 0.00056
3.78 0.95555 0.00060	3.38 0.94736 0.00058	2.78 0.95830 0.00056
3.80 0.95980 0.00061	3.40 0.95206 0.00059	2.80 0.96442 0.00052
3.82 0.96339 0.00056	3.42 0.95652 0.00058	2.82 0.96942 0.00056
3.84 0.96774 0.00059	3.44 0.96120 0.00058	2.84 0.97473 0.00055
3.86 0.97068 0.00058	3.46 0.96442 0.00060	2.86 0.98034 0.00056
3.88 0.97529 0.00059	3.48 0.96893 0.00056	2.88 0.98535 0.00055
3.90 0.97856 0.00060	3.50 0.97333 0.00059	2.90 0.99135 0.00055
3.92 0.98239 0.00062	3.52 0.97678 0.00059	2.92 0.99602 0.00055
3.94 0.98556 0.00061	3.54 0.98179 0.00060	2.94 1.00210 0.00056
3.96 0.98968 0.00059	3.56 0.98553 0.00061	2.96 1.00584 0.00056

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3.98 0.99230 0.00059	3.58 0.99112 0.00057	2.98 1.01109 0.00057
4.00 0.99635 0.00059	3.60 0.99472 0.00061	3.00 1.01701 0.00057
4.02 0.99940 0.00060	3.62 0.99839 0.00060	
4.04 1.00308 0.00063	3.64 1.00311 0.00061	
4.06 1.00813 0.00061	3.66 1.00669 0.00060	
4.08 1.01059 0.00059	3.68 1.01150 0.00060	
4.10 1.01504 0.00061	3.70 1.01478 0.00062	

10000	15000	19600
2.20 0.91764 0.00050	1.60 0.92199 0.00048	1.20 0.91078 0.00048
2.22 0.92387 0.00052	1.62 0.92977 0.00050	1.21 0.91526 0.00050
2.24 0.93059 0.00050	1.64 0.93866 0.00046	1.22 0.92123 0.00049
2.26 0.93731 0.00052	1.66 0.94629 0.00050	1.23 0.92598 0.00049
2.28 0.94374 0.00052	1.68 0.95463 0.00049	1.24 0.93087 0.00048
2.30 0.94977 0.00050	1.70 0.96214 0.00047	1.25 0.93679 0.00051
2.32 0.95625 0.00053	1.72 0.97141 0.00050	1.26 0.94248 0.00050
2.34 0.96286 0.00052	1.74 0.97904 0.00047	1.27 0.94775 0.00048
2.36 0.96889 0.00049	1.76 0.98773 0.00049	1.28 0.95264 0.00049
2.38 0.97542 0.00053	1.78 0.99497 0.00049	1.29 0.95764 0.00050
2.40 0.98215 0.00052	1.80 1.00337 0.00049	1.30 0.96287 0.00052
2.42 0.98787 0.00052	1.82 1.01183 0.00049	1.31 0.96740 0.00050
2.44 0.99355 0.00052	1.84 1.01873 0.00052	1.32 0.97303 0.00050
2.46 1.00039 0.00054	1.86 1.02603 0.00054	1.33 0.97856 0.00051
2.48 1.00659 0.00052	1.88 1.03500 0.00052	1.34 0.98306 0.00050
2.50 1.01310 0.00051	1.90 1.04316 0.00051	1.35 0.98804 0.00051
		1.36 0.99389 0.00052
		1.37 0.99890 0.00051
		1.38 1.00352 0.00052
		1.39 1.00861 0.00050
		1.40 1.01329 0.00052

## sumtable.pu-pl-0900-01

10	11	12
11.00 0.87987 0.00033	11.00 0.91840 0.00036	10.00 0.92592 0.00039
11.50 0.89104 0.00034	11.25 0.92352 0.00034	10.20 0.93116 0.00037
12.00 0.90244 0.00033	11.50 0.93038 0.00036	10.40 0.93681 0.00037
12.50 0.91215 0.00033	11.75 0.93559 0.00035	10.60 0.94242 0.00038
13.00 0.92027 0.00032	12.00 0.94019 0.00034	10.80 0.94784 0.00035
13.50 0.92831 0.00031	12.25 0.94628 0.00032	11.00 0.95298 0.00036
14.00 0.93604 0.00031	12.50 0.95099 0.00033	11.20 0.95695 0.00036
14.50 0.94331 0.00031	12.75 0.95570 0.00033	11.40 0.96243 0.00035
15.00 0.94946 0.00031	13.00 0.95955 0.00033	11.60 0.96706 0.00035
15.50 0.95644 0.00028	13.25 0.96382 0.00033	11.80 0.97143 0.00036
16.00 0.96116 0.00029	13.50 0.96784 0.00032	12.00 0.97589 0.00033
16.50 0.96615 0.00029	13.75 0.97209 0.00032	12.20 0.98028 0.00036
17.00 0.97135 0.00029	14.00 0.97627 0.00032	12.40 0.98370 0.00035
17.50 0.97575 0.00029	14.25 0.97966 0.00033	12.60 0.98799 0.00035
18.00 0.98069 0.00027	14.50 0.98323 0.00032	12.80 0.99203 0.00033
18.50 0.98479 0.00027	14.75 0.98692 0.00033	13.00 0.99527 0.00033
19.00 0.98847 0.00027	15.00 0.99010 0.00031	13.20 0.99863 0.00035
19.50 0.99194 0.00027	15.25 0.99305 0.00032	13.40 1.00202 0.00034
20.00 0.99571 0.00027	15.50 0.99612 0.00031	13.60 1.00491 0.00034
20.50 0.99879 0.00027	15.75 0.99966 0.00030	13.80 1.00888 0.00032
21.00 1.00161 0.00026	16.00 1.00163 0.00031	14.00 1.01208 0.00033

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15	20	25
8.00 0.93016 0.00043	6.30 0.92084 0.00049	5.60 0.92345 0.00050
8.10 0.93448 0.00043	6.35 0.92447 0.00049	5.65 0.92647 0.00051
8.20 0.94001 0.00043	6.40 0.92775 0.00049	5.70 0.92973 0.00052
8.30 0.94420 0.00042	6.45 0.93161 0.00049	5.75 0.93354 0.00053
8.40 0.94871 0.00041	6.50 0.93540 0.00048	5.80 0.93954 0.00054
8.50 0.95277 0.00042	6.55 0.93793 0.00049	5.85 0.94349 0.00053
8.60 0.95665 0.00040	6.60 0.94043 0.00049	5.90 0.94749 0.00051
8.70 0.96082 0.00041	6.65 0.94412 0.00047	5.95 0.95117 0.00054
8.80 0.96509 0.00043	6.70 0.94785 0.00049	6.00 0.95494 0.00051
8.90 0.96875 0.00042	6.75 0.95046 0.00048	6.05 0.95877 0.00053
9.00 0.97283 0.00041	6.80 0.95419 0.00048	6.10 0.96375 0.00051
9.10 0.97682 0.00041	6.85 0.95733 0.00048	6.15 0.96684 0.00050
9.20 0.98047 0.00041	6.90 0.96051 0.00047	6.20 0.96987 0.00054
9.30 0.98355 0.00041	6.95 0.96352 0.00049	6.25 0.97509 0.00050
9.40 0.98770 0.00041	7.00 0.96533 0.00049	6.30 0.97836 0.00053
9.50 0.99118 0.00040	7.05 0.96905 0.00049	6.35 0.98182 0.00054
9.60 0.99480 0.00040	7.10 0.97257 0.00047	6.40 0.98435 0.00051
9.70 0.99851 0.00040	7.15 0.97483 0.00047	6.45 0.98906 0.00052
9.80 1.00092 0.00040	7.20 0.97795 0.00049	6.50 0.99236 0.00052
9.90 1.00454 0.00041	7.25 0.98091 0.00044	6.55 0.99571 0.00050
10.00 1.00762 0.00041	7.30 0.98429 0.00046	6.60 0.99966 0.00053
10.10 1.01061 0.00041	7.35 0.98730 0.00047	6.65 1.00280 0.00050
10.20 1.01425 0.00041	7.40 0.98946 0.00048	6.70 1.00596 0.00052
10.30 1.01649 0.00041	7.45 0.99277 0.00048	6.75 1.00826 0.00052
10.40 1.02008 0.00040	7.50 0.99511 0.00046	6.80 1.01213 0.00051
10.50 1.02211 0.00039	7.55 0.99805 0.00047	6.85 1.01619 0.00053
	7.60 1.00119 0.00046	6.90 1.01909 0.00048
	7.65 1.00311 0.00047	6.95 1.02153 0.00052
	7.70 1.00563 0.00047	7.00 1.02614 0.00050

30	40	50
5.00 0.90533 0.00058	4.70 0.92511 0.00059	4.40 0.91914 0.00062
5.05 0.90999 0.00056	4.75 0.92965 0.00057	4.45 0.92545 0.00060
5.10 0.91538 0.00054	4.80 0.93498 0.00061	4.50 0.93064 0.00060
5.15 0.92002 0.00054	4.85 0.94015 0.00057	4.55 0.93623 0.00061
5.20 0.92634 0.00057	4.90 0.94656 0.00057	4.60 0.94329 0.00061
5.25 0.92961 0.00054	4.95 0.95133 0.00057	4.65 0.94915 0.00061
5.30 0.93475 0.00055	5.00 0.95637 0.00061	4.70 0.95459 0.00063
5.35 0.93904 0.00056	5.05 0.96099 0.00059	4.75 0.95979 0.00060
5.40 0.94488 0.00056	5.10 0.96717 0.00059	4.80 0.96430 0.00061
5.45 0.94821 0.00053	5.15 0.97148 0.00058	4.85 0.97048 0.00062
5.50 0.95423 0.00053	5.20 0.97678 0.00058	4.90 0.97541 0.00062
5.55 0.95777 0.00054	5.25 0.98045 0.00058	4.95 0.98034 0.00059
5.60 0.96245 0.00055	5.30 0.98655 0.00058	5.00 0.98517 0.00060
5.65 0.96642 0.00051	5.35 0.99028 0.00059	5.05 0.99099 0.00059
5.70 0.97060 0.00056	5.40 0.99556 0.00059	5.10 0.99736 0.00060
5.75 0.97566 0.00053	5.45 0.99959 0.00058	5.15 1.00229 0.00060
5.80 0.97859 0.00054	5.50 1.00474 0.00057	5.20 1.00639 0.00061
5.85 0.98354 0.00057		5.25 1.01244 0.00060
5.90 0.98668 0.00056		5.30 1.01538 0.00059
5.95 0.99176 0.00057		
6.00 0.99532 0.00053		
6.05 0.99992 0.00056		
6.10 1.00285 0.00056		
6.15 1.00772 0.00052		
6.20 1.01124 0.00056		

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75	100	150
4.10 0.91756 0.00061	4.00 0.91995 0.00062	3.90 0.91529 0.00067
4.12 0.92160 0.00063	4.02 0.92371 0.00064	3.92 0.91774 0.00067
4.14 0.92301 0.00063	4.04 0.92558 0.00064	3.94 0.91992 0.00064
4.16 0.92604 0.00064	4.06 0.92837 0.00065	3.96 0.92188 0.00065
4.18 0.92821 0.00061	4.08 0.93053 0.00065	3.98 0.92564 0.00065
4.20 0.93069 0.00064	4.10 0.93237 0.00066	4.00 0.92766 0.00066
4.22 0.93381 0.00062	4.12 0.93391 0.00067	4.02 0.93075 0.00062
4.24 0.93560 0.00065	4.14 0.93827 0.00063	4.04 0.93339 0.00066
4.26 0.93892 0.00064	4.16 0.93901 0.00063	4.06 0.93530 0.00067
4.28 0.94010 0.00062	4.18 0.94275 0.00066	4.08 0.93801 0.00064
4.30 0.94253 0.00062	4.20 0.94464 0.00065	4.10 0.93997 0.00064
4.32 0.94661 0.00062	4.22 0.94729 0.00064	4.12 0.94197 0.00067
4.34 0.94774 0.00063	4.24 0.95099 0.00062	4.14 0.94533 0.00064
4.36 0.95032 0.00062	4.26 0.95162 0.00066	4.16 0.94727 0.00065
4.38 0.95380 0.00063	4.28 0.95512 0.00065	4.18 0.94952 0.00066
4.40 0.95534 0.00065	4.30 0.95755 0.00063	4.20 0.95155 0.00063
4.42 0.95764 0.00063	4.32 0.95955 0.00064	4.22 0.95564 0.00065
4.44 0.95989 0.00065	4.34 0.96245 0.00066	4.24 0.95655 0.00065
4.46 0.96333 0.00062	4.36 0.96387 0.00065	4.26 0.95950 0.00064
4.48 0.96510 0.00064	4.38 0.96697 0.00067	4.28 0.96200 0.00066
4.50 0.96663 0.00061	4.40 0.96936 0.00067	4.30 0.96444 0.00065
4.52 0.96952 0.00063	4.42 0.96974 0.00065	4.32 0.96649 0.00066
4.54 0.97210 0.00064	4.44 0.97289 0.00063	4.34 0.96805 0.00065
4.56 0.97395 0.00064	4.46 0.97658 0.00065	4.36 0.97227 0.00065
4.58 0.97700 0.00062	4.48 0.97864 0.00063	4.38 0.97331 0.00064
4.60 0.97865 0.00065	4.50 0.97992 0.00063	4.40 0.97506 0.00065
4.62 0.98081 0.00063	4.52 0.98236 0.00065	4.42 0.97727 0.00064
4.64 0.98509 0.00063	4.54 0.98535 0.00064	4.44 0.97853 0.00065
4.66 0.98532 0.00061	4.56 0.98778 0.00067	4.46 0.98200 0.00067
4.68 0.98755 0.00064	4.58 0.98844 0.00063	4.48 0.98339 0.00066
4.70 0.98966 0.00064	4.60 0.99122 0.00064	4.50 0.98651 0.00064
4.72 0.99285 0.00062	4.62 0.99297 0.00063	4.52 0.98855 0.00064
4.74 0.99414 0.00061	4.64 0.99585 0.00062	4.54 0.99089 0.00066
4.76 0.99674 0.00060	4.66 0.99753 0.00065	4.56 0.99264 0.00067
4.78 0.99940 0.00060	4.68 1.00033 0.00065	4.58 0.99503 0.00065
4.80 1.00149 0.00063	4.70 1.00194 0.00065	4.60 0.99748 0.00064
4.82 1.00283 0.00062	4.72 1.00586 0.00064	4.62 0.99836 0.00064
4.84 1.00541 0.00063	4.74 1.00691 0.00064	4.64 1.00179 0.00065
4.86 1.00660 0.00063	4.76 1.00947 0.00064	4.66 1.00392 0.00064
4.88 1.00845 0.00061	4.78 1.01099 0.00063	4.68 1.00600 0.00064
4.90 1.01166 0.00062	4.80 1.01401 0.00063	4.70 1.00834 0.00063
4.92 1.01298 0.00065		
4.94 1.01564 0.00064		
4.96 1.01808 0.00061		
4.98 1.02084 0.00063		
5.00 1.02169 0.00065		

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200	350	500
3.90 0.91492 0.00065	4.00 0.92436 0.00067	3.90 0.91342 0.00066
3.92 0.91770 0.00066	4.05 0.92933 0.00067	3.95 0.91843 0.00068
3.94 0.91911 0.00066	4.10 0.93489 0.00065	4.00 0.92426 0.00066
3.96 0.92270 0.00068	4.15 0.94187 0.00065	4.05 0.92987 0.00065
3.98 0.92487 0.00064	4.20 0.94717 0.00066	4.10 0.93586 0.00066
4.00 0.92791 0.00067	4.25 0.95287 0.00064	4.15 0.94152 0.00063
4.02 0.93058 0.00066	4.30 0.95589 0.00068	4.20 0.94751 0.00064
4.04 0.93263 0.00065	4.35 0.96347 0.00064	4.25 0.95302 0.00065
4.06 0.93450 0.00064	4.40 0.96857 0.00067	4.30 0.95785 0.00064
4.08 0.93775 0.00067	4.45 0.97347 0.00068	4.35 0.96278 0.00065
4.10 0.93937 0.00066	4.50 0.97920 0.00065	4.40 0.96697 0.00066
4.12 0.94223 0.00065	4.55 0.98365 0.00066	4.45 0.97379 0.00064
4.14 0.94487 0.00066	4.60 0.98864 0.00066	4.50 0.97741 0.00067
4.16 0.94683 0.00064	4.65 0.99412 0.00065	4.55 0.98325 0.00065
4.18 0.94987 0.00066	4.70 0.99815 0.00066	4.60 0.98944 0.00066
4.20 0.95208 0.00065	4.75 1.00253 0.00066	4.65 0.99373 0.00066
4.22 0.95383 0.00064	4.80 1.00789 0.00065	4.70 0.99686 0.00066
4.24 0.95720 0.00066		4.75 1.00245 0.00065
4.26 0.95753 0.00066		4.80 1.00709 0.00064
4.28 0.95913 0.00065		
4.30 0.96327 0.00067		
4.32 0.96652 0.00064		
4.34 0.96637 0.00063		
4.36 0.97046 0.00065		
4.38 0.97085 0.00063		
4.40 0.97421 0.00067		
4.42 0.97675 0.00065		
4.44 0.97868 0.00062		
4.46 0.98182 0.00068		
4.48 0.98281 0.00066		
4.50 0.98540 0.00069		
4.52 0.98695 0.00066		
4.54 0.99019 0.00067		
4.56 0.99238 0.00066		
4.58 0.99422 0.00066		
4.60 0.99604 0.00065		
4.62 0.99804 0.00065		
4.64 0.99951 0.00066		
4.66 1.00208 0.00066		
4.68 1.00333 0.00067		
4.70 1.00595 0.00067		

750	1000	1500
3.90 0.92334 0.00064	3.70 0.91379 0.00063	3.50 0.92703 0.00064
3.95 0.92806 0.00064	3.75 0.92090 0.00065	3.52 0.93001 0.00063
4.00 0.93341 0.00066	3.80 0.92664 0.00066	3.54 0.93181 0.00063
4.05 0.93998 0.00068	3.85 0.93178 0.00065	3.56 0.93484 0.00068
4.10 0.94528 0.00062	3.90 0.93902 0.00064	3.58 0.93656 0.00063
4.15 0.95066 0.00065	3.95 0.94392 0.00066	3.60 0.93942 0.00064
4.20 0.95524 0.00065	4.00 0.94890 0.00065	3.62 0.94138 0.00065
4.25 0.96060 0.00065	4.05 0.95568 0.00066	3.64 0.94447 0.00063
4.30 0.96643 0.00066	4.10 0.96061 0.00066	3.66 0.94755 0.00062
4.35 0.97017 0.00067	4.15 0.96662 0.00064	3.68 0.95082 0.00064
4.40 0.97651 0.00068	4.20 0.97109 0.00062	3.70 0.95306 0.00063
4.45 0.98169 0.00067	4.25 0.97604 0.00064	3.72 0.95419 0.00064
4.50 0.98619 0.00066	4.30 0.98168 0.00065	3.74 0.95672 0.00064
4.55 0.99166 0.00067	4.35 0.98621 0.00066	3.76 0.95907 0.00065

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4.60	0.99685	0.00063	4.40	0.99166	0.00064	3.78	0.96131	0.00063
4.65	1.00042	0.00068	4.45	0.99734	0.00064	3.80	0.96427	0.00063
4.70	1.00565	0.00065	4.50	1.00128	0.00065	3.82	0.96627	0.00065
4.75	1.00994	0.00068	4.55	1.00672	0.00064	3.84	0.96894	0.00064
4.80	1.01474	0.00064	4.60	1.01078	0.00068	3.86	0.97136	0.00063
						3.88	0.97395	0.00063
						3.90	0.97600	0.00064
						3.92	0.97761	0.00066
						3.94	0.98003	0.00065
						3.96	0.98300	0.00063
						3.98	0.98517	0.00061
						4.00	0.98742	0.00063
						4.02	0.99044	0.00066
						4.04	0.99207	0.00065
						4.06	0.99442	0.00065
						4.08	0.99627	0.00067
						4.10	0.99771	0.00066
						4.12	1.00128	0.00066
						4.14	1.00230	0.00062
						4.16	1.00587	0.00067
						4.18	1.00769	0.00063
						4.20	1.00996	0.00065

2000	2500	3000
3.10 0.90953 0.00064	3.00 0.93262 0.00063	2.70 0.91885 0.00063
3.12 0.91290 0.00062	3.02 0.93662 0.00065	2.72 0.92248 0.00062
3.14 0.91591 0.00062	3.04 0.93963 0.00063	2.74 0.92506 0.00063
3.16 0.91981 0.00060	3.06 0.94278 0.00064	2.76 0.93022 0.00064
3.18 0.92196 0.00063	3.08 0.94539 0.00062	2.78 0.93332 0.00062
3.20 0.92564 0.00064	3.10 0.94849 0.00060	2.80 0.93607 0.00062
3.22 0.92834 0.00060	3.12 0.95212 0.00063	2.82 0.94072 0.00061
3.24 0.93059 0.00064	3.14 0.95445 0.00061	2.84 0.94367 0.00063
3.26 0.93280 0.00065	3.16 0.95782 0.00062	2.86 0.94726 0.00061
3.28 0.93636 0.00061	3.18 0.96110 0.00061	2.88 0.95070 0.00060
3.30 0.93874 0.00065	3.20 0.96403 0.00061	2.90 0.95405 0.00062
3.32 0.94215 0.00063	3.22 0.96696 0.00064	2.92 0.95631 0.00062
3.34 0.94378 0.00062	3.24 0.97021 0.00063	2.94 0.95981 0.00063
3.36 0.94847 0.00062	3.26 0.97277 0.00063	2.96 0.96322 0.00060
3.38 0.94958 0.00062	3.28 0.97644 0.00061	2.98 0.96522 0.00061
3.40 0.95319 0.00064	3.30 0.97853 0.00062	3.00 0.96967 0.00061
3.42 0.95649 0.00062	3.32 0.98246 0.00063	3.02 0.97317 0.00064
3.44 0.95851 0.00063	3.34 0.98417 0.00062	3.04 0.97612 0.00060
3.46 0.96086 0.00064	3.36 0.98651 0.00061	3.06 0.97984 0.00061
3.48 0.96372 0.00064	3.38 0.99022 0.00063	3.08 0.98248 0.00062
3.50 0.96578 0.00062	3.40 0.99345 0.00062	3.10 0.98689 0.00064
3.52 0.96913 0.00061	3.42 0.99529 0.00064	3.12 0.98910 0.00062
3.54 0.97156 0.00060	3.44 0.99834 0.00063	3.14 0.99288 0.00065
3.56 0.97450 0.00063	3.46 1.00093 0.00063	3.16 0.99568 0.00063
3.58 0.97738 0.00064	3.48 1.00370 0.00060	3.18 0.99790 0.00062
3.60 0.97945 0.00061	3.50 1.00664 0.00061	3.20 1.00180 0.00061
3.62 0.98261 0.00066		3.22 1.00527 0.00064
3.64 0.98399 0.00063		3.24 1.00811 0.00063
3.66 0.98780 0.00063		3.26 1.01048 0.00060
3.68 0.99020 0.00061		3.28 1.01305 0.00063
3.70 0.99342 0.00064		3.30 1.01689 0.00062
3.72 0.99514 0.00063		
3.74 0.99689 0.00063		
3.76 1.00080 0.00062		
3.78 1.00246 0.00063		
3.80 1.00534 0.00063		

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4000	5000	7500
2.30 0.90738 0.00063	2.10 0.92219 0.00061	1.60 0.91212 0.00059
2.32 0.91301 0.00060	2.12 0.92802 0.00062	1.62 0.91798 0.00060
2.34 0.91627 0.00061	2.14 0.93204 0.00060	1.64 0.92511 0.00059
2.36 0.92001 0.00059	2.16 0.93559 0.00060	1.66 0.93030 0.00060
2.38 0.92317 0.00062	2.18 0.94165 0.00062	1.68 0.93707 0.00060
2.40 0.92844 0.00062	2.20 0.94458 0.00063	1.70 0.94251 0.00060
2.42 0.93287 0.00059	2.22 0.94989 0.00063	1.72 0.94809 0.00058
2.44 0.93583 0.00062	2.24 0.95473 0.00059	1.74 0.95366 0.00061
2.46 0.93968 0.00062	2.26 0.95805 0.00062	1.76 0.95926 0.00062
2.48 0.94457 0.00060	2.28 0.96275 0.00062	1.78 0.96594 0.00060
2.50 0.94858 0.00059	2.30 0.96845 0.00059	1.80 0.97113 0.00060
2.52 0.95271 0.00062	2.32 0.97259 0.00061	1.82 0.97696 0.00061
2.54 0.95709 0.00062	2.34 0.97623 0.00061	1.84 0.98284 0.00061
2.56 0.96009 0.00061	2.36 0.98047 0.00063	1.86 0.98955 0.00062
2.58 0.96437 0.00065	2.38 0.98409 0.00061	1.88 0.99553 0.00060
2.60 0.96788 0.00064	2.40 0.98955 0.00062	1.90 0.99924 0.00061
2.62 0.97176 0.00060	2.42 0.99386 0.00060	1.92 1.00527 0.00060
2.64 0.97535 0.00059	2.44 0.99834 0.00061	1.94 1.01054 0.00063
2.66 0.98067 0.00063	2.46 1.00189 0.00064	1.96 1.01620 0.00062
2.68 0.98463 0.00063	2.48 1.00636 0.00063	1.98 1.02120 0.00061
2.70 0.98766 0.00060	2.50 1.01169 0.00063	2.00 1.02742 0.00061
2.72 0.99139 0.00065		
2.74 0.99393 0.00063		
2.76 0.99857 0.00063		
2.78 1.00242 0.00064		
2.80 1.00636 0.00064		

10000	15000	19600
1.30 0.91363 0.00058	0.90 0.90404 0.00058	0.70 0.90814 0.00054
1.32 0.92082 0.00058	0.92 0.91453 0.00057	0.71 0.91488 0.00057
1.34 0.92865 0.00058	0.94 0.92451 0.00059	0.72 0.92217 0.00057
1.36 0.93482 0.00061	0.96 0.93433 0.00058	0.73 0.92898 0.00057
1.38 0.94228 0.00060	0.98 0.94454 0.00058	0.74 0.93491 0.00057
1.40 0.95021 0.00058	1.00 0.95454 0.00059	0.75 0.94162 0.00056
1.42 0.95728 0.00060	1.02 0.96451 0.00060	0.76 0.94804 0.00059
1.44 0.96406 0.00060	1.04 0.97414 0.00060	0.77 0.95507 0.00056
1.46 0.97194 0.00060	1.06 0.98404 0.00061	0.78 0.96097 0.00056
1.48 0.97813 0.00060	1.08 0.99393 0.00058	0.79 0.96785 0.00057
1.50 0.98512 0.00060	1.10 1.00224 0.00059	0.80 0.97413 0.00060
1.52 0.99102 0.00059	1.12 1.01282 0.00061	0.81 0.97976 0.00058
1.54 0.99833 0.00059	1.14 1.02109 0.00059	0.82 0.98675 0.00059
1.56 1.00582 0.00061	1.15 1.02575 0.00058	0.83 0.99192 0.00058
1.58 1.01145 0.00058		0.84 0.99852 0.00058
1.60 1.01929 0.00058		0.85 1.00405 0.00059

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**sumtable.pu-pl-0900-10**

10	11	12
11.00 0.90463 0.00030	10.00 0.92108 0.00034	8.90 0.92605 0.00035
11.50 0.91358 0.00030	10.25 0.92671 0.00033	9.10 0.93225 0.00035
12.00 0.92197 0.00030	10.50 0.93273 0.00033	9.30 0.93723 0.00035
12.50 0.93064 0.00030	10.75 0.93797 0.00031	9.50 0.94321 0.00034
13.00 0.93783 0.00030	11.00 0.94243 0.00033	9.70 0.94805 0.00035
13.50 0.94481 0.00029	11.25 0.94807 0.00033	9.90 0.95342 0.00034
14.00 0.95080 0.00029	11.50 0.95287 0.00032	10.10 0.95848 0.00033
14.50 0.95686 0.00029	11.75 0.95723 0.00031	10.30 0.96344 0.00036
15.00 0.96253 0.00029	12.00 0.96221 0.00031	10.50 0.96696 0.00034
15.50 0.96753 0.00028	12.25 0.96588 0.00031	10.70 0.97210 0.00033
16.00 0.97227 0.00027	12.50 0.97027 0.00032	10.90 0.97623 0.00034
16.50 0.97733 0.00027	12.75 0.97367 0.00032	11.10 0.98043 0.00033
17.00 0.98149 0.00028	13.00 0.97837 0.00031	11.30 0.98434 0.00033
17.50 0.98543 0.00028	13.25 0.98215 0.00030	11.50 0.98847 0.00033
18.00 0.98941 0.00027	13.50 0.98540 0.00030	11.70 0.99182 0.00033
18.50 0.99227 0.00027	13.75 0.98860 0.00029	11.90 0.99555 0.00032
19.00 0.99650 0.00027	14.00 0.99159 0.00029	12.10 0.99957 0.00032
19.50 0.99909 0.00027	14.25 0.99469 0.00031	12.30 1.00300 0.00032
20.00 1.00296 0.00025	14.50 0.99845 0.00029	12.50 1.00613 0.00032
20.50 1.00556 0.00026	14.75 1.00141 0.00030	12.70 1.00918 0.00033
21.00 1.00783 0.00025	15.00 1.00390 0.00029	12.90 1.01260 0.00032
		13.00 1.01440 0.00031

15	20	25
6.70 0.92280 0.00043	5.00 0.91012 0.00045	4.40 0.91954 0.00047
6.80 0.92730 0.00039	5.05 0.91172 0.00044	4.45 0.92397 0.00049
6.90 0.93186 0.00040	5.10 0.91638 0.00044	4.50 0.92822 0.00048
7.00 0.93603 0.00039	5.15 0.92013 0.00045	4.55 0.93237 0.00050
7.10 0.94045 0.00040	5.20 0.92380 0.00045	4.60 0.93710 0.00050
7.20 0.94569 0.00038	5.25 0.92714 0.00045	4.65 0.94150 0.00048
7.30 0.94991 0.00038	5.30 0.93081 0.00044	4.70 0.94627 0.00049
7.40 0.95453 0.00040	5.35 0.93376 0.00044	4.75 0.94922 0.00048
7.50 0.95801 0.00038	5.40 0.93787 0.00045	4.80 0.95383 0.00048
7.60 0.96202 0.00038	5.45 0.94122 0.00045	4.85 0.95724 0.00049
7.70 0.96666 0.00040	5.50 0.94417 0.00045	4.90 0.96177 0.00047
7.80 0.97096 0.00038	5.55 0.94843 0.00045	4.95 0.96586 0.00048
7.90 0.97431 0.00038	5.60 0.95165 0.00044	5.00 0.96977 0.00049
8.00 0.97782 0.00040	5.65 0.95367 0.00044	5.05 0.97356 0.00049
8.10 0.98194 0.00039	5.70 0.95750 0.00044	5.10 0.97643 0.00047
8.20 0.98524 0.00039	5.75 0.96143 0.00045	5.15 0.98096 0.00050
8.30 0.98954 0.00038	5.80 0.96397 0.00044	5.20 0.98464 0.00047
8.40 0.99284 0.00037	5.85 0.96721 0.00045	5.25 0.98931 0.00049
8.50 0.99644 0.00037	5.90 0.97017 0.00044	5.30 0.99198 0.00048
8.60 0.99924 0.00038	5.95 0.97264 0.00045	5.35 0.99595 0.00047
8.70 1.00247 0.00039	6.00 0.97602 0.00044	5.40 0.99866 0.00048
8.80 1.00571 0.00038	6.05 0.97946 0.00045	5.45 1.00175 0.00047
8.90 1.00932 0.00037	6.10 0.98218 0.00042	5.50 1.00564 0.00050
9.00 1.01208 0.00037	6.15 0.98444 0.00045	
	6.20 0.98731 0.00044	
	6.25 0.99054 0.00044	
	6.30 0.99324 0.00045	
	6.35 0.99655 0.00044	
	6.40 0.99924 0.00044	
	6.45 1.00215 0.00043	
	6.50 1.00462 0.00044	

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30	40	50
3.90 0.91563 0.00049	3.40 0.91729 0.00054	3.10 0.91690 0.00054
3.95 0.91948 0.00051	3.45 0.92406 0.00053	3.15 0.92327 0.00053
4.00 0.92578 0.00051	3.50 0.92851 0.00055	3.20 0.92935 0.00058
4.05 0.92987 0.00051	3.55 0.93484 0.00052	3.25 0.93581 0.00057
4.10 0.93443 0.00052	3.60 0.94061 0.00052	3.30 0.94177 0.00056
4.15 0.93959 0.00052	3.65 0.94545 0.00052	3.35 0.94831 0.00055
4.20 0.94463 0.00049	3.70 0.95069 0.00055	3.40 0.95339 0.00054
4.25 0.94948 0.00051	3.75 0.95594 0.00053	3.45 0.95929 0.00054
4.30 0.95444 0.00052	3.80 0.96283 0.00054	3.50 0.96526 0.00055
4.35 0.95856 0.00053	3.85 0.96748 0.00054	3.55 0.96980 0.00055
4.40 0.96361 0.00051	3.90 0.97264 0.00054	3.60 0.97623 0.00056
4.45 0.96752 0.00053	3.95 0.97695 0.00054	3.65 0.98210 0.00053
4.50 0.97154 0.00050	4.00 0.98234 0.00055	3.70 0.98822 0.00055
4.55 0.97606 0.00050	4.05 0.98725 0.00053	3.75 0.99253 0.00053
4.60 0.98056 0.00051	4.10 0.99217 0.00053	3.80 0.99640 0.00055
4.65 0.98441 0.00049	4.15 0.99750 0.00055	3.85 1.00246 0.00056
4.70 0.98996 0.00051	4.20 1.00185 0.00051	3.90 1.00736 0.00056
4.75 0.99365 0.00052	4.25 1.00708 0.00053	3.95 1.01280 0.00057
4.80 0.99785 0.00051	4.30 1.01112 0.00052	4.00 1.01786 0.00055
4.85 1.00146 0.00051		
4.90 1.00520 0.00050		
4.95 1.00985 0.00050		
5.00 1.01366 0.00049		

75	100	150
2.80 0.92814 0.00058	2.60 0.92360 0.00056	2.40 0.91823 0.00061
2.82 0.93002 0.00057	2.62 0.92649 0.00060	2.42 0.92150 0.00057
2.84 0.93173 0.00057	2.64 0.92953 0.00060	2.44 0.92359 0.00058
2.86 0.93506 0.00061	2.66 0.93201 0.00059	2.46 0.92665 0.00059
2.88 0.93735 0.00058	2.68 0.93432 0.00059	2.48 0.92950 0.00060
2.90 0.94044 0.00058	2.70 0.93659 0.00058	2.50 0.93270 0.00060
2.92 0.94331 0.00058	2.72 0.94036 0.00058	2.52 0.93420 0.00058
2.94 0.94611 0.00060	2.74 0.94238 0.00058	2.54 0.93714 0.00060
2.96 0.94731 0.00057	2.76 0.94501 0.00059	2.56 0.94029 0.00061
2.98 0.95054 0.00058	2.78 0.94808 0.00059	2.58 0.94237 0.00061
3.00 0.95227 0.00057	2.80 0.95023 0.00057	2.60 0.94430 0.00059
3.02 0.95603 0.00059	2.82 0.95212 0.00060	2.62 0.94755 0.00060
3.04 0.95750 0.00057	2.84 0.95394 0.00059	2.64 0.94989 0.00060
3.06 0.96107 0.00056	2.86 0.95737 0.00060	2.66 0.95226 0.00062
3.08 0.96279 0.00057	2.88 0.95987 0.00058	2.68 0.95525 0.00059
3.10 0.96567 0.00058	2.90 0.96293 0.00057	2.70 0.95715 0.00059
3.12 0.96762 0.00060	2.92 0.96572 0.00059	2.72 0.96005 0.00060
3.14 0.97031 0.00057	2.94 0.96805 0.00060	2.74 0.96306 0.00059
3.16 0.97203 0.00060	2.96 0.97082 0.00059	2.76 0.96474 0.00060
3.18 0.97474 0.00057	2.98 0.97266 0.00058	2.78 0.96678 0.00059
3.20 0.97686 0.00056	3.00 0.97584 0.00060	2.80 0.97015 0.00060
3.22 0.97998 0.00059	3.02 0.97777 0.00060	2.82 0.97321 0.00060
3.24 0.98174 0.00060	3.04 0.98074 0.00059	2.84 0.97382 0.00058
3.26 0.98486 0.00061	3.06 0.98178 0.00059	2.86 0.97719 0.00061
3.28 0.98670 0.00060	3.08 0.98524 0.00057	2.88 0.97985 0.00061
3.30 0.98898 0.00059	3.10 0.98745 0.00059	2.90 0.98200 0.00060
3.32 0.99177 0.00057	3.12 0.98929 0.00058	2.92 0.98335 0.00060

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3.34 0.99321 0.00058	3.14 0.99261 0.00060	2.94 0.98584 0.00061
3.36 0.99545 0.00059	3.16 0.99407 0.00059	2.96 0.98903 0.00059
3.38 0.99843 0.00058	3.18 0.99621 0.00058	2.98 0.99071 0.00059
3.40 0.99984 0.00060	3.20 0.99939 0.00061	3.00 0.99345 0.00058
3.42 1.00265 0.00058	3.22 1.00184 0.00058	3.02 0.99552 0.00060
3.44 1.00434 0.00058	3.24 1.00184 0.00059	3.04 0.99848 0.00059
3.46 1.00723 0.00058	3.26 1.00456 0.00059	3.06 1.00101 0.00061
3.48 1.00848 0.00055	3.28 1.00890 0.00058	3.08 1.00361 0.00059
3.50 1.01154 0.00060	3.30 1.01079 0.00059	3.10 1.00456 0.00059

200	350	500
2.30 0.91461 0.00062	2.30 0.92573 0.00059	2.20 0.91973 0.00061
2.32 0.91762 0.00060	2.32 0.92784 0.00062	2.25 0.92650 0.00063
2.34 0.92019 0.00060	2.34 0.93073 0.00060	2.30 0.93219 0.00059
2.36 0.92312 0.00059	2.36 0.93356 0.00059	2.35 0.93890 0.00060
2.38 0.92517 0.00060	2.38 0.93512 0.00060	2.40 0.94465 0.00061
2.40 0.92761 0.00060	2.40 0.93789 0.00059	2.45 0.94957 0.00060
2.42 0.92945 0.00060	2.42 0.94061 0.00060	2.50 0.95587 0.00060
2.44 0.93362 0.00059	2.44 0.94203 0.00059	2.55 0.96081 0.00059
2.46 0.93629 0.00060	2.46 0.94465 0.00060	2.60 0.96545 0.00062
2.48 0.93799 0.00060	2.48 0.94785 0.00062	2.65 0.97257 0.00061
2.50 0.94079 0.00061	2.50 0.94973 0.00061	2.70 0.97845 0.00062
2.52 0.94325 0.00061	2.52 0.95256 0.00060	2.75 0.98301 0.00060
2.54 0.94543 0.00062	2.54 0.95393 0.00063	2.80 0.98828 0.00061
2.56 0.94898 0.00061	2.56 0.95630 0.00061	2.85 0.99332 0.00061
2.58 0.95076 0.00061	2.58 0.95927 0.00059	2.90 0.99944 0.00062
2.60 0.95311 0.00059	2.60 0.96273 0.00060	2.95 1.00328 0.00063
2.62 0.95536 0.00059	2.62 0.96353 0.00060	3.00 1.00897 0.00061
2.64 0.95863 0.00059	2.64 0.96678 0.00060	
2.66 0.96014 0.00059	2.66 0.96839 0.00060	
2.68 0.96301 0.00058	2.68 0.97119 0.00061	
2.70 0.96491 0.00058	2.70 0.97297 0.00059	
2.72 0.96774 0.00060	2.72 0.97514 0.00062	
2.74 0.97091 0.00060	2.74 0.97745 0.00060	
2.76 0.97305 0.00061	2.76 0.97909 0.00062	
2.78 0.97558 0.00061	2.78 0.98251 0.00062	
2.80 0.97699 0.00060	2.80 0.98425 0.00063	
2.82 0.98013 0.00059	2.82 0.98531 0.00059	
2.84 0.98187 0.00062	2.84 0.98790 0.00060	
2.86 0.98410 0.00058	2.86 0.99105 0.00059	
2.88 0.98551 0.00061	2.88 0.99251 0.00061	
2.90 0.98890 0.00061	2.90 0.99430 0.00062	
2.92 0.99109 0.00057	2.92 0.99593 0.00061	
2.94 0.99270 0.00059	2.94 0.99875 0.00059	
2.96 0.99643 0.00059	2.96 1.00049 0.00063	
2.98 0.99733 0.00060	2.98 1.00266 0.00060	
3.00 1.00001 0.00061	3.00 1.00435 0.00063	
3.02 1.00229 0.00062		
3.04 1.00464 0.00062		
3.06 1.00596 0.00062		
3.08 1.00867 0.00059		
3.10 1.01045 0.00061		

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750	1000	1500
2.00 0.90629 0.00060	2.00 0.92026 0.00062	1.80 0.92054 0.00059
2.02 0.90907 0.00060	2.02 0.92294 0.00061	1.82 0.92245 0.00060
2.04 0.91226 0.00060	2.04 0.92486 0.00062	1.84 0.92491 0.00061
2.06 0.91407 0.00059	2.06 0.92727 0.00059	1.86 0.92901 0.00059
2.08 0.91655 0.00063	2.08 0.93048 0.00060	1.88 0.93244 0.00059
2.10 0.91957 0.00061	2.10 0.93238 0.00058	1.90 0.93463 0.00058
2.12 0.92106 0.00061	2.12 0.93471 0.00058	1.92 0.93642 0.00059
2.14 0.92439 0.00060	2.14 0.93812 0.00061	1.94 0.94022 0.00058
2.16 0.92756 0.00058	2.16 0.93952 0.00058	1.96 0.94242 0.00060
2.18 0.92969 0.00059	2.18 0.94181 0.00061	1.98 0.94535 0.00059
2.20 0.93160 0.00061	2.20 0.94582 0.00058	2.00 0.94938 0.00058
2.22 0.93428 0.00059	2.22 0.94704 0.00062	2.02 0.95116 0.00061
2.24 0.93612 0.00059	2.24 0.94950 0.00059	2.04 0.95305 0.00059
2.26 0.93990 0.00060	2.26 0.95194 0.00060	2.06 0.95578 0.00058
2.28 0.94167 0.00058	2.28 0.95570 0.00060	2.08 0.95768 0.00059
2.30 0.94414 0.00063	2.30 0.95679 0.00062	2.10 0.96082 0.00057
2.32 0.94681 0.00063	2.32 0.95975 0.00062	2.12 0.96398 0.00060
2.34 0.94883 0.00059	2.34 0.96219 0.00059	2.14 0.96716 0.00059
2.36 0.95066 0.00062	2.36 0.96454 0.00060	2.16 0.96935 0.00062
2.38 0.95284 0.00063	2.38 0.96653 0.00061	2.18 0.97186 0.00061
2.40 0.95447 0.00062	2.40 0.96890 0.00061	2.20 0.97329 0.00061
2.42 0.95798 0.00062	2.42 0.97076 0.00061	2.22 0.97693 0.00059
2.44 0.96006 0.00062	2.44 0.97290 0.00061	2.24 0.97828 0.00059
2.46 0.96124 0.00059	2.46 0.97617 0.00059	2.26 0.98127 0.00060
2.48 0.96381 0.00061	2.48 0.97777 0.00058	2.28 0.98389 0.00061
2.50 0.96689 0.00061	2.50 0.98077 0.00060	2.30 0.98595 0.00059
2.52 0.96906 0.00061	2.52 0.98244 0.00061	2.32 0.98924 0.00061
2.54 0.97035 0.00059	2.54 0.98367 0.00059	2.34 0.99104 0.00063
2.56 0.97379 0.00061	2.56 0.98655 0.00062	2.36 0.99402 0.00060
2.58 0.97596 0.00061	2.58 0.98852 0.00061	2.38 0.99675 0.00061
2.60 0.97749 0.00062	2.60 0.99087 0.00060	2.40 0.99853 0.00058
2.62 0.98012 0.00061	2.62 0.99266 0.00060	2.42 1.00140 0.00058
2.64 0.98087 0.00060	2.64 0.99557 0.00059	2.44 1.00357 0.00062
2.66 0.98373 0.00062	2.66 0.99761 0.00057	2.46 1.00536 0.00060
2.68 0.98674 0.00061	2.68 0.99962 0.00058	2.48 1.00802 0.00060
2.70 0.98955 0.00060	2.70 1.00106 0.00060	2.50 1.00970 0.00060
2.72 0.99167 0.00061		
2.74 0.99390 0.00058		
2.76 0.99456 0.00061		
2.78 0.99621 0.00059		
2.80 0.99793 0.00061		
2.82 0.99978 0.00061		
2.84 1.00216 0.00062		
2.86 1.00375 0.00061		
2.88 1.00617 0.00062		
2.90 1.00787 0.00060		
2.92 1.01007 0.00060		
2.94 1.01283 0.00058		
2.96 1.01449 0.00063		
2.98 1.01691 0.00060		
3.00 1.01828 0.00060		

2000	2500	3000
1.60 0.91814 0.00058	1.40 0.90857 0.00058	1.30 0.91350 0.00058
1.62 0.92023 0.00057	1.42 0.91284 0.00059	1.32 0.91852 0.00059
1.64 0.92412 0.00061	1.44 0.91653 0.00059	1.34 0.92081 0.00056
1.66 0.92697 0.00058	1.46 0.91886 0.00059	1.36 0.92491 0.00057

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1.68 0.93017 0.00058	1.48 0.92351 0.00060	1.38 0.92962 0.00058
1.70 0.93212 0.00059	1.50 0.92719 0.00058	1.40 0.93252 0.00058
1.72 0.93731 0.00059	1.52 0.93050 0.00060	1.42 0.93672 0.00057
1.74 0.93999 0.00058	1.54 0.93339 0.00060	1.44 0.94045 0.00058
1.76 0.94277 0.00059	1.56 0.93605 0.00060	1.46 0.94476 0.00057
1.78 0.94552 0.00059	1.58 0.94047 0.00061	1.48 0.94819 0.00058
1.80 0.94868 0.00059	1.60 0.94316 0.00058	1.50 0.95159 0.00060
1.82 0.95164 0.00059	1.62 0.94647 0.00058	1.52 0.95481 0.00060
1.84 0.95469 0.00062	1.64 0.94950 0.00058	1.54 0.95837 0.00058
1.86 0.95709 0.00057	1.66 0.95421 0.00057	1.56 0.96190 0.00059
1.88 0.95996 0.00059	1.68 0.95648 0.00061	1.58 0.96644 0.00056
1.90 0.96324 0.00060	1.70 0.96025 0.00059	1.60 0.97029 0.00059
1.92 0.96592 0.00059	1.72 0.96376 0.00059	1.62 0.97187 0.00057
1.94 0.96933 0.00059	1.74 0.96746 0.00058	1.64 0.97653 0.00059
1.96 0.97172 0.00060	1.76 0.96992 0.00058	1.66 0.97973 0.00060
1.98 0.97408 0.00063	1.78 0.97212 0.00059	1.68 0.98311 0.00056
2.00 0.97770 0.00060	1.80 0.97636 0.00060	1.70 0.98718 0.00059
2.02 0.98092 0.00060	1.82 0.97929 0.00059	1.72 0.99018 0.00058
2.04 0.98210 0.00060	1.84 0.98270 0.00061	1.74 0.99443 0.00058
2.06 0.98660 0.00058	1.86 0.98584 0.00060	1.76 0.99713 0.00059
2.08 0.98884 0.00059	1.88 0.98877 0.00058	1.78 1.00015 0.00061
2.10 0.99154 0.00059	1.90 0.99213 0.00059	1.80 1.00358 0.00059
2.12 0.99477 0.00058	1.92 0.99462 0.00060	
2.14 0.99701 0.00063	1.94 0.99735 0.00058	
2.16 1.00031 0.00058	1.96 1.00129 0.00059	
2.18 1.00270 0.00061	1.98 1.00300 0.00060	
2.20 1.00382 0.00061	2.00 1.00675 0.00059	

4000	5000	7500
1.10 0.91451 0.00059	1.00 0.92781 0.00057	0.70 0.91543 0.00055
1.12 0.91884 0.00058	1.02 0.93205 0.00060	0.72 0.92308 0.00056
1.14 0.92263 0.00059	1.04 0.93877 0.00061	0.74 0.92945 0.00057
1.16 0.92820 0.00059	1.06 0.94360 0.00058	0.76 0.93652 0.00059
1.18 0.93207 0.00058	1.08 0.94818 0.00059	0.78 0.94321 0.00057
1.20 0.93574 0.00059	1.10 0.95379 0.00055	0.80 0.95019 0.00059
1.22 0.94141 0.00059	1.12 0.95787 0.00056	0.82 0.95611 0.00058
1.24 0.94528 0.00060	1.14 0.96307 0.00056	0.84 0.96335 0.00056
1.26 0.95008 0.00059	1.16 0.96839 0.00059	0.86 0.97017 0.00057
1.28 0.95523 0.00060	1.18 0.97318 0.00060	0.88 0.97624 0.00059
1.30 0.95970 0.00059	1.20 0.97783 0.00058	0.90 0.98344 0.00057
1.32 0.96381 0.00060	1.22 0.98230 0.00056	0.92 0.98931 0.00058
1.34 0.96735 0.00061	1.24 0.98730 0.00058	0.94 0.99563 0.00061
1.36 0.97226 0.00060	1.26 0.99249 0.00059	0.96 1.00203 0.00059
1.38 0.97525 0.00057	1.28 0.99660 0.00059	0.98 1.00813 0.00060
1.40 0.97917 0.00058	1.30 1.00148 0.00061	1.00 1.01405 0.00058
1.42 0.98403 0.00058	1.32 1.00584 0.00060	
1.44 0.98832 0.00059	1.34 1.01036 0.00058	
1.46 0.99261 0.00059	1.36 1.01589 0.00059	
1.48 0.99765 0.00062	1.38 1.01998 0.00056	
1.50 0.99947 0.00059	1.40 1.02369 0.00058	
1.52 1.00300 0.00056		
1.54 1.00728 0.00057		
1.56 1.01244 0.00060		
1.58 1.01503 0.00059		
1.60 1.01951 0.00059		

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10000	15000	19600
0.55 0.91608 0.00057	0.35 0.89892 0.00058	0.25 0.88340 0.00056
0.56 0.92102 0.00056	0.36 0.90597 0.00057	0.26 0.89237 0.00058
0.57 0.92606 0.00060	0.37 0.91268 0.00056	0.27 0.90133 0.00061
0.58 0.92994 0.00059	0.38 0.91958 0.00057	0.28 0.91007 0.00060
0.59 0.93374 0.00058	0.39 0.92598 0.00058	0.29 0.91876 0.00058
0.60 0.93866 0.00057	0.40 0.93299 0.00056	0.30 0.92771 0.00058
0.61 0.94384 0.00056	0.41 0.93904 0.00057	0.31 0.93650 0.00058
0.62 0.94819 0.00059	0.42 0.94624 0.00059	0.32 0.94593 0.00059
0.63 0.95163 0.00057	0.43 0.95147 0.00057	0.33 0.95294 0.00059
0.64 0.95594 0.00056	0.44 0.95801 0.00057	0.34 0.96241 0.00058
0.65 0.96033 0.00057	0.45 0.96580 0.00057	0.35 0.96948 0.00060
0.66 0.96494 0.00060	0.46 0.97046 0.00058	0.36 0.97788 0.00058
0.67 0.96891 0.00062	0.47 0.97741 0.00057	0.37 0.98639 0.00058
0.68 0.97266 0.00058	0.48 0.98248 0.00057	0.38 0.99271 0.00059
0.69 0.97769 0.00057	0.49 0.98962 0.00059	0.39 1.00220 0.00061
0.70 0.98170 0.00058	0.50 0.99480 0.00056	0.40 1.00847 0.00060
0.71 0.98553 0.00059	0.51 0.99987 0.00059	
0.72 0.98993 0.00059	0.52 1.00667 0.00059	
0.73 0.99429 0.00058	0.53 1.01174 0.00062	
0.74 0.99716 0.00059	0.54 1.01732 0.00059	
0.75 1.00166 0.00060	0.55 1.02364 0.00059	

## sumtable.pu-sp-0800-00

10	13	15
999.98 0.99129 0.00019	30.00 0.93629 0.00040	25.00 0.93036 0.00044
999.99 0.99129 0.00019	30.50 0.94119 0.00038	25.25 0.93337 0.00045
	31.00 0.94535 0.00038	25.50 0.93627 0.00043
	31.50 0.94980 0.00037	25.75 0.93991 0.00042
	32.00 0.95310 0.00039	26.00 0.94269 0.00042
	32.50 0.95770 0.00037	26.25 0.94545 0.00044
	33.00 0.96058 0.00037	26.50 0.95023 0.00042
	33.50 0.96460 0.00037	26.75 0.95340 0.00042
	34.00 0.96829 0.00037	27.00 0.95622 0.00043
	34.50 0.97067 0.00036	27.25 0.95927 0.00043
	35.00 0.97500 0.00037	27.50 0.96264 0.00043
	35.50 0.97805 0.00036	27.75 0.96437 0.00043
	36.00 0.98083 0.00036	28.00 0.96844 0.00044
	36.50 0.98433 0.00035	28.25 0.97094 0.00042
	37.00 0.98638 0.00035	28.50 0.97293 0.00040
	37.50 0.98922 0.00034	28.75 0.97622 0.00040
	38.00 0.99228 0.00034	29.00 0.97870 0.00042
	38.50 0.99479 0.00035	29.25 0.98190 0.00043
	39.00 0.99655 0.00035	29.50 0.98321 0.00042
	39.50 0.99939 0.00034	29.75 0.98572 0.00041
	40.00 1.00157 0.00034	30.00 0.98875 0.00042
		30.25 0.99053 0.00039
		30.50 0.99358 0.00040
		30.75 0.99550 0.00039
		31.00 0.99788 0.00042
		31.25 0.99987 0.00040
		31.50 1.00280 0.00042
		31.75 1.00268 0.00040
		32.00 1.00657 0.00041

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18	20	22
20.00 0.89278 0.00048	20.00 0.92265 0.00051	19.00 0.92172 0.00052
20.25 0.89800 0.00049	20.25 0.92922 0.00052	19.20 0.92794 0.00054
20.50 0.90558 0.00047	20.50 0.93318 0.00051	19.40 0.93290 0.00054
20.75 0.90985 0.00049	20.75 0.93999 0.00052	19.60 0.93647 0.00052
21.00 0.91587 0.00049	21.00 0.94483 0.00050	19.80 0.94268 0.00052
21.25 0.92165 0.00048	21.25 0.95177 0.00049	20.00 0.94816 0.00052
21.50 0.92589 0.00048	21.50 0.95714 0.00051	20.20 0.95326 0.00054
21.75 0.93179 0.00050	21.75 0.96179 0.00049	20.40 0.95773 0.00054
22.00 0.93622 0.00051	22.00 0.96662 0.00050	20.60 0.96243 0.00051
22.25 0.94142 0.00047	22.25 0.97215 0.00052	20.80 0.96637 0.00053
22.50 0.94703 0.00047	22.50 0.97654 0.00049	21.00 0.97173 0.00055
22.75 0.95111 0.00050	22.75 0.98091 0.00053	21.20 0.97574 0.00049
23.00 0.95514 0.00048	23.00 0.98553 0.00049	21.40 0.98072 0.00050
23.25 0.95990 0.00046	23.25 0.99088 0.00050	21.60 0.98379 0.00052
23.50 0.96412 0.00047	23.50 0.99609 0.00047	21.80 0.98926 0.00051
23.75 0.96811 0.00048	23.75 0.99860 0.00050	22.00 0.99356 0.00053
24.00 0.97259 0.00048	24.00 1.00340 0.00049	22.20 0.99544 0.00054
24.25 0.97756 0.00047	24.25 1.00839 0.00048	22.40 1.00073 0.00053
24.50 0.98023 0.00047	24.50 1.01250 0.00050	22.60 1.00440 0.00051
24.75 0.98460 0.00047	24.75 1.01666 0.00047	22.80 1.00801 0.00050
25.00 0.98868 0.00048	25.00 1.01991 0.00047	23.00 1.01217 0.00052
25.25 0.99291 0.00045		
25.50 0.99606 0.00047		
25.75 0.99872 0.00046		
26.00 1.00205 0.00047		
26.25 1.00700 0.00046		
26.50 1.00966 0.00047		
26.75 1.01266 0.00045		
27.00 1.01583 0.00045		
27.25 1.01880 0.00045		
27.50 1.02243 0.00044		
27.75 1.02494 0.00046		
28.00 1.02927 0.00045		

24	25	26
18.00 0.91327 0.00057	18.00 0.92281 0.00055	17.80 0.92408 0.00055
18.20 0.91938 0.00055	18.20 0.93049 0.00054	18.00 0.93078 0.00055
18.40 0.92562 0.00055	18.40 0.93470 0.00057	18.20 0.93727 0.00057
18.60 0.93053 0.00055	18.60 0.94055 0.00054	18.40 0.94339 0.00056
18.80 0.93656 0.00057	18.80 0.94688 0.00058	18.60 0.94939 0.00055
19.00 0.94299 0.00055	19.00 0.95334 0.00054	18.80 0.95566 0.00056
19.20 0.94750 0.00057	19.20 0.95815 0.00054	19.00 0.96029 0.00059
19.40 0.95359 0.00054	19.40 0.96297 0.00054	19.20 0.96692 0.00056
19.60 0.95851 0.00053	19.60 0.96848 0.00056	19.40 0.97257 0.00057
19.80 0.96464 0.00054	19.80 0.97403 0.00055	19.60 0.97700 0.00054
20.00 0.96888 0.00056	20.00 0.97921 0.00055	19.80 0.98187 0.00056
20.20 0.97470 0.00053	20.20 0.98486 0.00054	20.00 0.98892 0.00056
20.40 0.97960 0.00053	20.40 0.98852 0.00054	20.20 0.99222 0.00056
20.60 0.98416 0.00055	20.60 0.99406 0.00054	20.40 0.99792 0.00055
20.80 0.98831 0.00053	20.80 0.99777 0.00054	20.60 1.00404 0.00055
21.00 0.99292 0.00055	21.00 1.00190 0.00055	20.80 1.00728 0.00053
21.20 0.99803 0.00053	21.20 1.00701 0.00054	21.00 1.01201 0.00057
21.40 1.00124 0.00054		
21.60 1.00704 0.00052		
21.80 1.01056 0.00052		
22.00 1.01481 0.00055		

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28	30	32
17.00 0.91409 0.00057	16.90 0.92395 0.00057	16.00 0.90180 0.00061
17.20 0.92103 0.00056	17.10 0.93079 0.00058	16.20 0.90947 0.00059
17.40 0.92672 0.00058	17.30 0.93750 0.00058	16.40 0.91721 0.00060
17.60 0.93371 0.00057	17.50 0.94495 0.00059	16.60 0.92399 0.00062
17.80 0.94023 0.00057	17.70 0.95043 0.00056	16.80 0.93297 0.00059
18.00 0.94698 0.00058	17.90 0.95721 0.00059	17.00 0.93877 0.00063
18.20 0.95320 0.00057	18.10 0.96439 0.00056	17.20 0.94688 0.00060
18.40 0.95976 0.00057	18.30 0.96977 0.00057	17.40 0.95393 0.00058
18.60 0.96487 0.00056	18.50 0.97669 0.00058	17.60 0.95992 0.00059
18.80 0.97137 0.00057	18.70 0.98243 0.00057	17.80 0.96769 0.00059
19.00 0.97755 0.00056	18.90 0.98782 0.00060	18.00 0.97230 0.00061
19.20 0.98284 0.00057	19.10 0.99352 0.00060	18.20 0.97997 0.00058
19.40 0.98865 0.00055	19.30 0.99868 0.00058	18.40 0.98663 0.00059
19.60 0.99364 0.00057	19.50 1.00467 0.00058	18.60 0.99087 0.00060
19.80 0.99819 0.00056	19.70 1.01019 0.00060	18.80 0.99642 0.00062
20.00 1.00468 0.00054	19.90 1.01519 0.00055	19.00 1.00226 0.00058
20.20 1.00951 0.00056	20.10 1.02140 0.00059	19.20 1.00951 0.00058
20.40 1.01368 0.00057	20.30 1.02572 0.00055	19.40 1.01577 0.00060
20.60 1.01941 0.00056	20.50 1.03030 0.00057	19.60 1.01988 0.00059
20.80 1.02553 0.00059	20.70 1.03620 0.00055	19.80 1.02547 0.00058
21.00 1.02901 0.00056	20.90 1.04202 0.00056	20.00 1.03124 0.00057
	21.00 1.04395 0.00058	

36	40	45
16.00 0.92144 0.00061	15.00 0.89409 0.00065	15.00 0.91022 0.00065
16.20 0.92897 0.00060	15.20 0.90411 0.00062	15.20 0.91855 0.00066
16.40 0.93813 0.00060	15.40 0.91287 0.00063	15.40 0.92628 0.00064
16.60 0.94485 0.00060	15.60 0.92001 0.00062	15.60 0.93522 0.00064
16.80 0.95038 0.00062	15.80 0.92904 0.00064	15.80 0.94348 0.00067
17.00 0.95986 0.00061	16.00 0.93671 0.00065	16.00 0.95256 0.00062
17.20 0.96529 0.00063	16.20 0.94413 0.00063	16.20 0.96021 0.00066
17.40 0.97399 0.00063	16.40 0.95260 0.00063	16.40 0.96790 0.00066
17.60 0.98049 0.00060	16.60 0.96084 0.00063	16.60 0.97456 0.00064
17.80 0.98759 0.00062	16.80 0.96667 0.00065	16.80 0.98255 0.00064
18.00 0.99351 0.00062	17.00 0.97538 0.00063	17.00 0.99021 0.00062
18.20 0.99903 0.00061	17.20 0.98154 0.00064	17.20 0.99586 0.00062
18.40 1.00672 0.00060	17.40 0.98994 0.00064	17.40 1.00391 0.00065
18.60 1.01304 0.00062	17.60 0.99642 0.00061	17.60 1.01126 0.00066
18.80 1.01908 0.00063	17.80 1.00307 0.00063	17.80 1.01963 0.00066
19.00 1.02421 0.00058	18.00 1.00903 0.00062	18.00 1.02625 0.00062
19.20 1.03060 0.00063	18.20 1.01507 0.00061	18.20 1.03347 0.00063
19.40 1.03534 0.00061	18.40 1.02242 0.00063	18.40 1.03711 0.00066
19.60 1.04133 0.00060	18.60 1.02832 0.00063	18.60 1.04504 0.00062
19.80 1.04732 0.00060	18.80 1.03495 0.00065	18.80 1.04981 0.00064
20.00 1.05226 0.00058	19.00 1.04056 0.00062	19.00 1.05579 0.00062

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50	75	100
15.00 0.92083 0.00065	14.00 0.90266 0.00067	14.00 0.91153 0.00070
15.20 0.93019 0.00065	14.20 0.91079 0.00067	14.20 0.92060 0.00071
15.40 0.93842 0.00066	14.40 0.92225 0.00072	14.40 0.93081 0.00071
15.60 0.94695 0.00067	14.60 0.93196 0.00068	14.60 0.93976 0.00068
15.80 0.95519 0.00067	14.80 0.94115 0.00071	14.80 0.94827 0.00071
16.00 0.96242 0.00068	15.00 0.95042 0.00070	15.00 0.95790 0.00070
16.20 0.97161 0.00066	15.20 0.95876 0.00071	15.20 0.96708 0.00071
16.40 0.97979 0.00064	15.40 0.96847 0.00067	15.40 0.97577 0.00068
16.60 0.98660 0.00066	15.60 0.97404 0.00070	15.60 0.98426 0.00071
16.80 0.99535 0.00067	15.80 0.98476 0.00068	15.80 0.99145 0.00068
17.00 1.00273 0.00063	16.00 0.99283 0.00068	16.00 1.00031 0.00072
17.20 1.00832 0.00064	16.20 1.00036 0.00068	16.20 1.00866 0.00069
17.40 1.01408 0.00068	16.40 1.00864 0.00069	16.40 1.01807 0.00070
17.60 1.02349 0.00064	16.60 1.01599 0.00069	16.60 1.02410 0.00070
17.80 1.02856 0.00064	16.80 1.02326 0.00071	16.80 1.03227 0.00071
18.00 1.03665 0.00064	17.00 1.03237 0.00070	17.00 1.03790 0.00072
18.20 1.04456 0.00065	17.20 1.03847 0.00072	17.20 1.04679 0.00069
18.40 1.04972 0.00062	17.40 1.04614 0.00066	17.30 1.04937 0.00072
18.60 1.05470 0.00065	17.60 1.05339 0.00069	
18.80 1.06232 0.00064	17.80 1.06005 0.00067	
19.00 1.06928 0.00067	18.00 1.06683 0.00069	

150	200	350
14.00 0.91047 0.00072	14.00 0.90599 0.00073	14.00 0.89212 0.00070
14.20 0.92080 0.00068	14.20 0.91536 0.00074	14.20 0.90220 0.00069
14.40 0.93010 0.00066	14.40 0.92430 0.00070	14.40 0.91058 0.00067
14.60 0.93887 0.00071	14.60 0.93339 0.00071	14.60 0.91844 0.00069
14.80 0.94871 0.00071	14.80 0.94394 0.00072	14.80 0.92693 0.00072
15.00 0.95670 0.00072	15.00 0.95009 0.00071	15.00 0.93563 0.00071
15.20 0.96647 0.00069	15.20 0.95991 0.00070	15.20 0.94289 0.00071
15.40 0.97416 0.00071	15.40 0.96703 0.00068	15.40 0.95011 0.00071
15.60 0.98316 0.00074	15.60 0.97433 0.00071	15.60 0.95902 0.00072
15.80 0.98967 0.00069	15.80 0.98410 0.00071	15.80 0.96623 0.00070
16.00 0.99782 0.00071	16.00 0.99226 0.00072	16.00 0.97234 0.00071
16.20 1.00733 0.00070	16.20 0.99838 0.00071	16.20 0.98037 0.00071
16.40 1.01442 0.00070	16.40 1.00543 0.00072	16.40 0.98737 0.00071
16.60 1.02100 0.00072	16.60 1.01289 0.00074	16.60 0.99556 0.00070
16.80 1.02920 0.00067	16.80 1.02082 0.00072	16.80 1.00104 0.00070
17.00 1.03469 0.00070	17.00 1.02716 0.00069	17.00 1.00890 0.00068
17.20 1.04102 0.00069	17.20 1.03415 0.00072	17.20 1.01450 0.00069
17.40 1.05164 0.00069	17.40 1.04084 0.00074	17.40 1.02082 0.00068
17.60 1.05796 0.00070	17.60 1.04803 0.00070	17.60 1.02757 0.00071
17.80 1.06294 0.00072	17.80 1.05413 0.00071	17.80 1.03232 0.00067
18.00 1.06994 0.00075	18.00 1.06159 0.00072	18.00 1.03851 0.00070
		18.20 1.04554 0.00068

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500	750	1000
14.80 0.92187 0.00070	14.00 0.89718 0.00068	14.00 0.91232 0.00065
15.00 0.92879 0.00068	14.20 0.90492 0.00066	14.20 0.92200 0.00066
15.20 0.93909 0.00071	14.40 0.91241 0.00067	14.40 0.93012 0.00064
15.40 0.94582 0.00067	14.60 0.92248 0.00068	14.60 0.93692 0.00064
15.60 0.95364 0.00070	14.80 0.92988 0.00066	14.80 0.94525 0.00064
15.80 0.96070 0.00067	15.00 0.93637 0.00066	15.00 0.95394 0.00065
16.00 0.96822 0.00069	15.20 0.94515 0.00067	15.20 0.96113 0.00065
16.20 0.97533 0.00068	15.40 0.95269 0.00066	15.40 0.96938 0.00066
16.40 0.98129 0.00068	15.60 0.96073 0.00068	15.60 0.97499 0.00067
16.60 0.98920 0.00068	15.80 0.96917 0.00070	15.80 0.98264 0.00067
16.80 0.99591 0.00069	16.00 0.97272 0.00068	16.00 0.99104 0.00066
17.00 1.00065 0.00069	16.20 0.98062 0.00067	16.20 0.99727 0.00065
17.20 1.00868 0.00071	16.40 0.98748 0.00066	16.40 1.00397 0.00064
17.40 1.01520 0.00070	16.80 1.00123 0.00068	16.60 1.01049 0.00063
17.60 1.01915 0.00071	17.00 1.00687 0.00068	17.00 1.02227 0.00062
17.80 1.02592 0.00069	17.20 1.01417 0.00067	17.20 1.02921 0.00069
18.00 1.03181 0.00069	17.40 1.02093 0.00068	17.40 1.03446 0.00066
18.20 1.03846 0.00069	17.60 1.02499 0.00069	17.60 1.03975 0.00067
18.40 1.04325 0.00065	17.80 1.02984 0.00067	17.80 1.04636 0.00065
18.60 1.04934 0.00067	18.00 1.03757 0.00066	
18.80 1.05368 0.00068	18.10 1.03959 0.00065	18.00 1.05269 0.00064
19.00 1.05937 0.00068		

1500	2000	2500
13.00 0.91186 0.00064	12.00 0.90927 0.00061	11.00 0.89654 0.00058
13.20 0.92199 0.00064	12.10 0.91352 0.00061	11.10 0.90396 0.00060
13.40 0.93204 0.00066	12.20 0.92013 0.00062	11.20 0.91027 0.00059
13.60 0.94064 0.00061	12.30 0.92475 0.00062	11.30 0.91663 0.00061
13.80 0.94922 0.00062	12.40 0.93137 0.00063	11.40 0.92220 0.00061
14.00 0.95833 0.00065	12.50 0.93485 0.00063	11.50 0.92809 0.00062
14.20 0.96681 0.00066	12.60 0.94138 0.00063	11.60 0.93483 0.00061
14.40 0.97438 0.00065	12.80 0.95200 0.00060	11.70 0.93973 0.00061
14.60 0.98300 0.00066	12.90 0.95690 0.00064	11.80 0.94605 0.00061
14.80 0.99120 0.00065	13.00 0.96202 0.00062	11.90 0.95206 0.00061
15.00 0.99870 0.00065	13.10 0.96642 0.00061	12.50 0.98561 0.00062
15.20 1.00517 0.00062	13.20 0.96976 0.00062	12.60 0.99053 0.00062
15.40 1.01360 0.00062	13.30 0.97674 0.00061	12.80 1.00054 0.00064
15.60 1.02120 0.00063	13.40 0.98015 0.00064	13.00 1.01260 0.00061
15.80 1.02826 0.00066	13.50 0.98518 0.00064	13.10 1.01684 0.00062
16.00 1.03516 0.00065	13.60 0.99064 0.00064	13.20 1.02108 0.00062
16.20 1.04159 0.00063	13.70 0.99488 0.00061	13.30 1.02544 0.00062
16.40 1.04922 0.00063	13.80 0.99786 0.00061	13.40 1.03074 0.00060
16.60 1.05407 0.00063	13.90 1.00270 0.00060	13.50 1.03600 0.00061
16.80 1.06152 0.00064	14.00 1.00751 0.00064	13.60 1.04094 0.00062
17.00 1.06944 0.00064	14.10 1.01311 0.00061	13.70 1.04568 0.00061
	14.20 1.01504 0.00062	13.80 1.04885 0.00062
	14.30 1.02025 0.00062	13.90 1.05490 0.00064
	14.40 1.02568 0.00063	14.00 1.05979 0.00061
	14.50 1.02968 0.00064	
	14.60 1.03401 0.00063	
	14.70 1.03880 0.00061	
	14.80 1.04269 0.00062	
	14.90 1.04574 0.00064	
	15.00 1.05043 0.00059	
	15.10 1.05266 0.00062	

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3000	4000	5000
10.70 0.92381 0.00061	9.50 0.91847 0.00057	8.60 0.91553 0.00059
10.77 0.92867 0.00061	9.57 0.92484 0.00057	8.65 0.92071 0.00057
10.84 0.93396 0.00062	9.64 0.93078 0.00059	8.70 0.92491 0.00057
10.91 0.93730 0.00056	9.71 0.93685 0.00059	8.75 0.92958 0.00059
10.98 0.94277 0.00063	9.78 0.94157 0.00057	8.80 0.93452 0.00057
11.05 0.94715 0.00059	9.85 0.94792 0.00056	8.85 0.93891 0.00057
11.12 0.95287 0.00060	9.92 0.95336 0.00059	8.90 0.94433 0.00057
11.19 0.95551 0.00059	10.06 0.96467 0.00060	8.95 0.94787 0.00059
11.26 0.95968 0.00061	10.13 0.96896 0.00058	9.00 0.95299 0.00059
11.33 0.96505 0.00064	10.20 0.97379 0.00058	9.05 0.95794 0.00058
11.40 0.96837 0.00063	10.27 0.97902 0.00059	9.10 0.96056 0.00056
11.47 0.97391 0.00062	10.41 0.98934 0.00058	9.15 0.96675 0.00059
11.54 0.97753 0.00060	10.48 0.99591 0.00059	9.20 0.97012 0.00058
11.61 0.98178 0.00060	10.55 0.99935 0.00061	9.25 0.97493 0.00058
11.68 0.98667 0.00062	10.62 1.00484 0.00061	9.30 0.97957 0.00056
11.75 0.99042 0.00060	10.69 1.00986 0.00060	9.35 0.98282 0.00059
11.82 0.99387 0.00060	10.76 1.01426 0.00059	9.40 0.98721 0.00058
11.96 1.00241 0.00059	10.83 1.01991 0.00060	9.45 0.99243 0.00057
12.03 1.00751 0.00062	10.90 1.02427 0.00057	9.50 0.99497 0.00057
12.10 1.01177 0.00061	10.97 1.03025 0.00062	9.55 1.00047 0.00056
12.17 1.01479 0.00058	11.00 1.03168 0.00058	9.60 1.00570 0.00060
12.24 1.01982 0.00061		9.65 1.00859 0.00060
12.31 1.02283 0.00060		9.70 1.01317 0.00058
12.38 1.02682 0.00059		9.75 1.01721 0.00061
12.45 1.03056 0.00061		9.80 1.02134 0.00059
12.52 1.03562 0.00063		9.95 1.03378 0.00060
12.59 1.03900 0.00062		10.00 1.03791 0.00060

6000	7000	7500
7.90 0.91380 0.00055	7.40 0.92012 0.00054	7.10 0.91462 0.00051
7.97 0.92094 0.00055	7.47 0.92788 0.00052	7.15 0.92001 0.00054
8.04 0.92786 0.00057	7.54 0.93621 0.00054	7.20 0.92496 0.00052
8.11 0.93591 0.00054	7.61 0.94351 0.00054	7.25 0.93192 0.00052
8.18 0.94157 0.00056	7.68 0.95085 0.00053	7.30 0.93658 0.00052
8.25 0.94910 0.00055	7.75 0.95974 0.00055	7.35 0.94233 0.00055
8.32 0.95721 0.00054	7.82 0.96705 0.00056	7.40 0.94848 0.00054
8.39 0.96299 0.00057	7.89 0.97424 0.00053	7.45 0.95386 0.00054
8.46 0.97053 0.00057	7.96 0.98236 0.00054	7.50 0.95997 0.00055
8.53 0.97782 0.00058	8.03 0.98868 0.00055	7.55 0.96653 0.00054
8.60 0.98403 0.00056	8.10 0.99668 0.00053	7.60 0.97129 0.00052
8.67 0.99079 0.00055	8.17 1.00531 0.00055	7.65 0.97642 0.00055
8.74 0.99771 0.00057	8.24 1.01185 0.00059	7.70 0.98405 0.00053
8.81 1.00447 0.00058	8.31 1.01850 0.00055	7.75 0.98834 0.00053
8.88 1.01090 0.00055	8.38 1.02659 0.00056	7.80 0.99543 0.00055
8.95 1.01808 0.00058	8.45 1.03425 0.00054	7.85 1.00081 0.00055
9.02 1.02530 0.00057	8.52 1.04119 0.00056	7.90 1.00566 0.00055
9.09 1.03217 0.00059	8.59 1.04788 0.00057	7.95 1.01140 0.00057
9.16 1.03705 0.00055	8.66 1.05620 0.00056	8.00 1.01600 0.00055
9.23 1.04451 0.00055	8.73 1.06137 0.00057	
9.30 1.04904 0.00059	8.80 1.06913 0.00056	
9.37 1.05679 0.00056	8.87 1.07608 0.00057	
9.44 1.06248 0.00059	8.94 1.08255 0.00056	
9.50 1.06682 0.00058	9.00 1.08758 0.00059	

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8000	9000	10000
6.80 0.90456 0.00050	6.50 0.91796 0.00050	6.10 0.91376 0.00047
6.82 0.90617 0.00051	6.52 0.92046 0.00049	6.15 0.92061 0.00049
6.84 0.90919 0.00053	6.54 0.92385 0.00050	6.25 0.93548 0.00047
6.86 0.91157 0.00049	6.56 0.92543 0.00050	6.30 0.94158 0.00047
6.88 0.91461 0.00049	6.58 0.92828 0.00049	6.35 0.94826 0.00047
6.90 0.91696 0.00051	6.60 0.93211 0.00051	6.40 0.95679 0.00048
6.92 0.91881 0.00051	6.62 0.93422 0.00048	6.45 0.96209 0.00053
6.94 0.92248 0.00052	6.64 0.93646 0.00050	6.50 0.96958 0.00049
6.96 0.92469 0.00051	6.66 0.94034 0.00049	6.55 0.97576 0.00048
6.98 0.92734 0.00050	6.68 0.94169 0.00051	6.60 0.98273 0.00050
7.00 0.92956 0.00051	6.70 0.94454 0.00048	6.65 0.98862 0.00049
7.02 0.93207 0.00053	6.76 0.95251 0.00050	6.70 0.99613 0.00049
7.04 0.93487 0.00053	6.78 0.95406 0.00051	6.75 1.00243 0.00050
7.06 0.93624 0.00052	6.80 0.95809 0.00052	6.80 1.00908 0.00050
7.10 0.94071 0.00052	6.82 0.95953 0.00050	6.85 1.01660 0.00051
7.12 0.94350 0.00052	6.84 0.96252 0.00051	6.90 1.02192 0.00053
7.14 0.94582 0.00052	6.86 0.96555 0.00052	6.95 1.02838 0.00051
7.20 0.95296 0.00052	6.88 0.96814 0.00051	7.00 1.03481 0.00052
7.22 0.95633 0.00051	6.90 0.97009 0.00051	
7.24 0.95756 0.00052	6.92 0.97256 0.00049	
7.26 0.96024 0.00053	6.94 0.97590 0.00051	
7.28 0.96253 0.00050	6.96 0.97805 0.00051	
7.30 0.96503 0.00053	6.98 0.98172 0.00052	
7.32 0.96786 0.00052	7.00 0.98341 0.00051	
7.34 0.97112 0.00053	7.02 0.98552 0.00051	
7.36 0.97287 0.00052	7.04 0.98808 0.00053	
7.38 0.97431 0.00053	7.06 0.99109 0.00050	
7.40 0.97817 0.00054	7.08 0.99215 0.00051	
7.42 0.98024 0.00053	7.10 0.99599 0.00051	
7.44 0.98263 0.00054	7.12 0.99719 0.00054	
7.46 0.98396 0.00051	7.16 1.00424 0.00052	
7.50 0.98892 0.00053	7.18 1.00446 0.00051	
7.52 0.99136 0.00053	7.20 1.00858 0.00051	
7.54 0.99388 0.00051		
7.56 0.99506 0.00056		
7.58 0.99737 0.00052		
7.60 1.00120 0.00053		

15000	19600
4.70 0.91599 0.00042	3.70 0.90205 0.00039
4.75 0.92435 0.00042	3.72 0.90615 0.00037
4.80 0.93374 0.00039	3.74 0.91035 0.00037
4.85 0.94291 0.00041	3.76 0.91503 0.00038
4.90 0.95083 0.00041	3.78 0.91813 0.00038
4.95 0.96062 0.00040	3.80 0.92221 0.00039
5.00 0.96812 0.00044	3.82 0.92702 0.00038
5.05 0.97667 0.00042	3.84 0.93118 0.00039
5.10 0.98572 0.00042	3.86 0.93505 0.00039
5.15 0.99395 0.00042	3.88 0.94001 0.00039
5.20 1.00238 0.00044	3.90 0.94401 0.00039
5.25 1.01124 0.00045	3.92 0.94833 0.00040

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5.30	1.01952	0.00043	3.94	0.95212	0.00039
5.35	1.02797	0.00046	3.96	0.95613	0.00039
5.40	1.03591	0.00046	3.98	0.96119	0.00041
5.45	1.04360	0.00045	4.00	0.96450	0.00041
5.50	1.05213	0.00045	4.02	0.96929	0.00039
5.55	1.06045	0.00045	4.06	0.97693	0.00039
5.60	1.06897	0.00045	4.10	0.98593	0.00041
5.65	1.07740	0.00045	4.12	0.98959	0.00041
5.70	1.08466	0.00046	4.14	0.99373	0.00040
			4.16	0.99830	0.00041
			4.18	1.00228	0.00043
			4.20	1.00552	0.00043
			4.22	1.01003	0.00041
			4.26	1.01881	0.00042
			4.28	1.02204	0.00040
			4.30	1.02633	0.00043

## sumtable.pu-sp-0800-01

	10	13	15
999.99	0.99129	0.00019	28.00 0.93202 0.00036
			28.50 0.93721 0.00039
			29.00 0.94162 0.00036
			29.50 0.94570 0.00037
			30.00 0.94968 0.00038
			30.50 0.95329 0.00037
			31.00 0.95730 0.00037
			31.50 0.96136 0.00037
			32.00 0.96505 0.00036
			32.50 0.96868 0.00036
			33.00 0.97143 0.00036
			33.50 0.97474 0.00035
			34.00 0.97744 0.00035
			34.50 0.98026 0.00035
			35.00 0.98414 0.00036
			35.50 0.98709 0.00035
			36.00 0.98905 0.00034
			36.50 0.99257 0.00034
			37.00 0.99529 0.00036
			37.50 0.99729 0.00035
			38.00 0.99906 0.00033
			38.50 1.00168 0.00033
			39.00 1.00392 0.00035
			39.50 1.00615 0.00033
			40.00 1.00871 0.00034
			23.00 0.92280 0.00044
			23.25 0.92607 0.00043
			23.50 0.92945 0.00042
			23.75 0.93432 0.00043
			24.00 0.93666 0.00041
			24.25 0.94034 0.00042
			24.50 0.94408 0.00042
			24.75 0.94734 0.00041
			25.00 0.95020 0.00041
			25.25 0.95295 0.00042
			25.50 0.95663 0.00041
			25.75 0.95919 0.00042
			26.00 0.96273 0.00042
			26.25 0.96414 0.00042
			26.50 0.96713 0.00042
			26.75 0.97064 0.00040
			27.00 0.97438 0.00041
			27.25 0.97628 0.00043
			27.50 0.97854 0.00040
			27.75 0.98179 0.00040
			28.00 0.98363 0.00041
			28.25 0.98607 0.00039
			28.50 0.98903 0.00040
			28.75 0.99192 0.00040
			29.00 0.99309 0.00041
			29.25 0.99529 0.00040
			29.50 0.99795 0.00040
			29.75 1.00109 0.00040
			30.00 1.00044 0.00041
			30.25 1.00424 0.00040

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18	20	22
20.00 0.92707 0.00048	19.00 0.93448 0.00051	17.00 0.90719 0.00050
20.25 0.93220 0.00048	19.20 0.93957 0.00049	17.20 0.91408 0.00050
20.50 0.93722 0.00047	19.40 0.94425 0.00049	17.40 0.91956 0.00050
20.75 0.94209 0.00048	19.60 0.94746 0.00049	17.60 0.92438 0.00051
21.00 0.94600 0.00047	19.80 0.95363 0.00049	17.80 0.93004 0.00051
21.25 0.95052 0.00046	20.00 0.95660 0.00048	18.00 0.93615 0.00052
21.50 0.95580 0.00045	20.20 0.96179 0.00050	18.20 0.94110 0.00051
21.75 0.95981 0.00047	20.40 0.96398 0.00048	18.40 0.94592 0.00052
22.00 0.96377 0.00049	20.80 0.97426 0.00048	18.60 0.94989 0.00052
22.25 0.96977 0.00045	21.00 0.97695 0.00048	18.80 0.95635 0.00052
22.50 0.97291 0.00045	21.20 0.98098 0.00048	19.00 0.96037 0.00052
22.75 0.97658 0.00045	21.40 0.98510 0.00047	19.20 0.96442 0.00050
23.00 0.98113 0.00045	21.60 0.98941 0.00048	19.40 0.97050 0.00051
23.25 0.98565 0.00046	22.00 0.99565 0.00049	19.60 0.97445 0.00051
23.50 0.98879 0.00046	22.20 0.99914 0.00048	19.80 0.97811 0.00050
24.00 0.99720 0.00045	22.40 1.00312 0.00048	20.00 0.98273 0.00052
24.25 1.00010 0.00045	22.80 1.00953 0.00048	20.20 0.98719 0.00050
24.50 1.00253 0.00045	23.00 1.01296 0.00049	20.40 0.99153 0.00052
24.75 1.00582 0.00045		20.60 0.99559 0.00050
25.25 1.01247 0.00046		20.80 0.99968 0.00051
25.50 1.01640 0.00045		21.00 1.00364 0.00049
25.75 1.01956 0.00044		21.20 1.00726 0.00049
26.00 1.02275 0.00043		21.40 1.01236 0.00048
		21.60 1.01445 0.00050
		21.80 1.01843 0.00052
		22.00 1.02289 0.00050

24	25	26
16.00 0.89806 0.00050	16.00 0.90797 0.00055	16.00 0.91640 0.00053
16.20 0.90504 0.00056	16.25 0.91525 0.00054	16.20 0.92180 0.00056
16.40 0.91050 0.00052	16.50 0.92383 0.00053	16.40 0.92846 0.00055
16.60 0.91650 0.00055	17.00 0.93873 0.00055	16.60 0.93602 0.00055
16.80 0.92272 0.00053	17.25 0.94598 0.00053	16.80 0.94100 0.00057
17.00 0.92939 0.00053	17.50 0.95308 0.00053	17.00 0.94753 0.00055
17.20 0.93327 0.00053	17.75 0.95840 0.00054	17.20 0.95311 0.00055
17.40 0.94095 0.00053	18.00 0.96599 0.00053	17.40 0.95865 0.00055
17.60 0.94623 0.00055	18.25 0.97292 0.00053	17.60 0.96524 0.00054
17.80 0.95137 0.00056	18.50 0.97889 0.00054	17.80 0.96931 0.00055
18.00 0.95751 0.00054	18.75 0.98516 0.00055	18.00 0.97394 0.00054
18.20 0.96177 0.00053	19.00 0.99232 0.00055	18.20 0.97988 0.00054
18.40 0.96780 0.00054	19.25 0.99848 0.00054	18.40 0.98527 0.00052
18.60 0.97243 0.00054	19.75 1.01004 0.00052	18.60 0.99195 0.00054
18.80 0.97717 0.00053	20.00 1.01581 0.00052	18.80 0.99546 0.00053
19.00 0.98211 0.00050	20.25 1.02028 0.00052	19.00 1.00133 0.00055
19.20 0.98638 0.00053	20.50 1.02566 0.00054	19.20 1.00564 0.00053
19.40 0.99235 0.00052	20.75 1.03158 0.00052	19.40 1.01078 0.00054
19.60 0.99536 0.00051	21.00 1.03599 0.00054	19.80 1.02009 0.00053
19.80 1.00089 0.00051		20.00 1.02360 0.00053
20.00 1.00607 0.00053		
20.20 1.00907 0.00055		
20.40 1.01465 0.00051		
20.60 1.01825 0.00051		
20.80 1.02255 0.00051		
21.00 1.02564 0.00051		

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28	30	32
15.00 0.89760 0.00058	15.00 0.91054 0.00059	15.00 0.92245 0.00058
15.20 0.90485 0.00054	15.20 0.91786 0.00059	15.20 0.92987 0.00060
15.40 0.91139 0.00055	15.40 0.92445 0.00057	15.40 0.93689 0.00058
15.60 0.91873 0.00057	15.60 0.93272 0.00057	15.60 0.94384 0.00055
16.00 0.93256 0.00056	15.80 0.93808 0.00054	15.80 0.95045 0.00059
16.20 0.93803 0.00058	16.00 0.94618 0.00055	16.00 0.95735 0.00059
16.40 0.94372 0.00057	16.20 0.95257 0.00055	16.20 0.96528 0.00058
16.60 0.95090 0.00055	16.40 0.95858 0.00056	16.40 0.97094 0.00058
16.80 0.95637 0.00056	16.60 0.96410 0.00059	17.00 0.98911 0.00060
17.00 0.96254 0.00057	16.80 0.96993 0.00056	17.20 0.99596 0.00059
17.20 0.96995 0.00056	17.00 0.97682 0.00058	17.40 1.00155 0.00059
17.40 0.97597 0.00056	17.20 0.98358 0.00058	17.60 1.00825 0.00057
17.60 0.98011 0.00055	17.40 0.98890 0.00055	17.80 1.01277 0.00054
17.80 0.98577 0.00057	17.60 0.99552 0.00055	18.00 1.01785 0.00058
18.00 0.99163 0.00057	17.80 1.00048 0.00058	18.20 1.02320 0.00057
18.20 0.99604 0.00057	18.00 1.00683 0.00056	18.80 1.04069 0.00058
18.40 1.00311 0.00052	18.20 1.01096 0.00057	19.00 1.04426 0.00056
18.60 1.00827 0.00056	18.40 1.01577 0.00055	
18.80 1.01241 0.00056	18.60 1.02294 0.00056	
19.00 1.01935 0.00057	18.80 1.02746 0.00058	
19.20 1.02193 0.00054	19.00 1.03101 0.00056	
19.40 1.02779 0.00055	19.10 1.03495 0.00057	
19.60 1.03170 0.00054		
19.80 1.03580 0.00055		
20.00 1.04118 0.00054		

36	40	45
14.00 0.90255 0.00060	14.00 0.91677 0.00062	13.80 0.92401 0.00064
14.20 0.90990 0.00061	14.20 0.92542 0.00062	14.00 0.93406 0.00064
14.40 0.91814 0.00059	14.40 0.93347 0.00060	14.20 0.94212 0.00064
14.80 0.93391 0.00063	14.60 0.94409 0.00060	14.40 0.95046 0.00062
15.00 0.94292 0.00061	14.80 0.95061 0.00062	14.60 0.95758 0.00063
15.20 0.94838 0.00059	15.00 0.95780 0.00062	14.80 0.96533 0.00063
15.40 0.95711 0.00059	15.20 0.96473 0.00062	15.00 0.97428 0.00061
15.60 0.96455 0.00058	15.40 0.97275 0.00059	15.20 0.97993 0.00062
15.80 0.97054 0.00060	15.60 0.98002 0.00061	15.80 1.00186 0.00062
16.00 0.97812 0.00060	15.80 0.98611 0.00063	16.00 1.00901 0.00061
16.20 0.98454 0.00062	16.00 0.99310 0.00061	16.20 1.01678 0.00064
16.40 0.99054 0.00063	16.20 1.00145 0.00060	16.40 1.02316 0.00061
16.60 0.99780 0.00060	16.40 1.00810 0.00062	16.60 1.03072 0.00061
16.80 1.00448 0.00057	16.60 1.01390 0.00062	16.80 1.03721 0.00064
17.00 1.01087 0.00058	17.00 1.02649 0.00062	17.00 1.04311 0.00060
17.20 1.01623 0.00061	17.20 1.03211 0.00059	17.20 1.04890 0.00061
17.40 1.02373 0.00058	17.40 1.03958 0.00060	
17.60 1.02800 0.00058	17.60 1.04469 0.00062	
17.80 1.03371 0.00059	17.80 1.05147 0.00059	
18.00 1.03937 0.00057	18.00 1.05621 0.00059	
18.10 1.04320 0.00059		

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50	75	100
13.00 0.90077 0.00067	13.00 0.93150 0.00063	12.20 0.89886 0.00066
13.20 0.90831 0.00063	13.20 0.93856 0.00067	12.60 0.91978 0.00068
13.40 0.91789 0.00062	13.40 0.94826 0.00064	12.80 0.92940 0.00067
13.60 0.92802 0.00061	13.60 0.95826 0.00066	13.00 0.93892 0.00067
13.80 0.93616 0.00062	13.80 0.96700 0.00066	13.20 0.94804 0.00066
14.00 0.94454 0.00062	14.00 0.97562 0.00066	13.40 0.95826 0.00068
14.20 0.95357 0.00062	14.20 0.98421 0.00066	13.60 0.96660 0.00068
14.40 0.96246 0.00062	14.40 0.99119 0.00068	13.80 0.97478 0.00067
14.60 0.96904 0.00063	14.60 0.99954 0.00066	14.00 0.98329 0.00067
14.80 0.97760 0.00064	14.80 1.00730 0.00067	14.20 0.99219 0.00069
15.00 0.98632 0.00062	15.00 1.01538 0.00068	14.40 1.00022 0.00067
15.20 0.99321 0.00063	15.20 1.02334 0.00068	14.60 1.00815 0.00066
15.40 1.00014 0.00063	15.40 1.03049 0.00065	14.80 1.01665 0.00067
15.60 1.00865 0.00065	15.60 1.03781 0.00070	15.00 1.02389 0.00068
15.80 1.01470 0.00066	15.80 1.04529 0.00066	15.20 1.03118 0.00073
16.00 1.02285 0.00060	16.00 1.05337 0.00064	15.40 1.03900 0.00068
16.20 1.02898 0.00063	16.20 1.05967 0.00067	15.60 1.04573 0.00070
16.40 1.03518 0.00063		15.80 1.05259 0.00069
16.60 1.04130 0.00065		16.00 1.05997 0.00068
16.80 1.04926 0.00065		
17.00 1.05559 0.00061		

150	200	350
12.70 0.92461 0.00069	12.80 0.92549 0.00068	13.00 0.91997 0.00067
12.90 0.93530 0.00069	13.00 0.93372 0.00073	13.20 0.92829 0.00069
13.10 0.94452 0.00070	13.20 0.94361 0.00071	13.40 0.93805 0.00068
13.30 0.95208 0.00070	13.40 0.95287 0.00069	13.60 0.94363 0.00067
13.50 0.96354 0.00068	13.60 0.95935 0.00069	13.80 0.95273 0.00068
13.70 0.97065 0.00067	13.80 0.96870 0.00071	14.00 0.96103 0.00070
13.90 0.97914 0.00070	14.00 0.97734 0.00071	14.20 0.96794 0.00071
14.10 0.98695 0.00068	14.20 0.98689 0.00070	14.40 0.97578 0.00067
14.30 0.99432 0.00069	14.40 0.99168 0.00071	14.60 0.98151 0.00071
14.50 1.00376 0.00071	14.60 0.99947 0.00069	14.80 0.99016 0.00067
14.70 1.01133 0.00068	14.80 1.00755 0.00068	15.00 0.99657 0.00069
14.90 1.01891 0.00068	15.00 1.01424 0.00070	15.20 1.00279 0.00071
15.10 1.02547 0.00068	15.20 1.02136 0.00070	15.40 1.01078 0.00068
15.30 1.03335 0.00070	15.40 1.02818 0.00071	15.60 1.01585 0.00068
15.50 1.03957 0.00068	15.60 1.03612 0.00071	15.80 1.02343 0.00070
15.70 1.04691 0.00068	15.80 1.04243 0.00070	16.00 1.02832 0.00069
15.90 1.05506 0.00067	16.00 1.04948 0.00066	16.20 1.03555 0.00069
16.00 1.05683 0.00071		16.40 1.04073 0.00067
		16.60 1.04634 0.00071
		16.80 1.05288 0.00070
		17.00 1.05797 0.00069

500	750	1000
13.00 0.91593 0.00068	13.00 0.92121 0.00065	12.00 0.89261 0.00066
13.20 0.92259 0.00068	13.20 0.92799 0.00069	12.20 0.90159 0.00068
13.40 0.93176 0.00069	13.40 0.93640 0.00066	12.40 0.90913 0.00063
13.60 0.93993 0.00069	13.60 0.94493 0.00065	12.60 0.92057 0.00065
13.80 0.94593 0.00070	13.80 0.95083 0.00064	12.80 0.92793 0.00065
14.00 0.95392 0.00067	14.00 0.95927 0.00069	13.00 0.93537 0.00065

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14.20	0.96216	0.00072	14.20	0.96691	0.00067	13.20	0.94266	0.00065
14.40	0.96947	0.00067	14.40	0.97336	0.00066	13.40	0.95091	0.00067
14.60	0.97648	0.00070	14.60	0.98135	0.00066	13.60	0.95932	0.00066
14.80	0.98270	0.00068	14.80	0.98761	0.00068	13.80	0.96642	0.00067
15.00	0.98923	0.00065	15.00	0.99507	0.00068	14.00	0.97452	0.00065
15.20	0.99678	0.00068	15.20	1.00012	0.00067	14.20	0.98204	0.00068
15.40	1.00247	0.00065	15.40	1.00603	0.00067	14.40	0.98845	0.00066
15.60	1.00730	0.00068	15.60	1.01321	0.00067	14.60	0.99431	0.00065
15.80	1.01448	0.00068	15.80	1.01922	0.00063	14.80	1.00097	0.00065
16.00	1.02075	0.00069	16.00	1.02668	0.00065	15.00	1.00825	0.00066
16.20	1.02682	0.00067	16.20	1.03075	0.00066	15.20	1.01434	0.00065
16.40	1.03381	0.00064	16.40	1.03628	0.00067	15.40	1.02171	0.00063
16.60	1.03955	0.00067	16.60	1.04141	0.00065	15.60	1.02811	0.00063
16.80	1.04337	0.00070	16.80	1.04616	0.00068	15.80	1.03319	0.00064
17.00	1.04924	0.00072	17.00	1.05173	0.00065	16.00	1.03962	0.00066
						16.10	1.04205	0.00065

1500	2000	2500						
11.70	0.91935	0.00062	10.90	0.92358	0.00061	10.00	0.91608	0.00063
11.90	0.92832	0.00063	11.00	0.92875	0.00064	10.10	0.92194	0.00061
12.10	0.93863	0.00065	11.10	0.93489	0.00063	10.20	0.92900	0.00061
12.30	0.94723	0.00063	11.20	0.94071	0.00061	10.30	0.93528	0.00063
12.50	0.95654	0.00063	11.30	0.94456	0.00063	10.40	0.93954	0.00063
12.70	0.96443	0.00063	11.40	0.94998	0.00064	10.50	0.94720	0.00060
12.90	0.97208	0.00063	11.50	0.95517	0.00062	10.60	0.95285	0.00063
13.10	0.98176	0.00065	11.60	0.95916	0.00062	10.70	0.95843	0.00063
13.30	0.98909	0.00063	11.70	0.96538	0.00060	10.80	0.96334	0.00063
13.50	0.99777	0.00063	11.80	0.97067	0.00062	10.90	0.96893	0.00063
13.70	1.00640	0.00064	11.90	0.97568	0.00064	11.00	0.97607	0.00064
13.90	1.01262	0.00063	12.00	0.98032	0.00062	11.10	0.98092	0.00060
14.10	1.02028	0.00065	12.10	0.98517	0.00063	11.20	0.98694	0.00063
14.30	1.02720	0.00063	12.20	0.98933	0.00063	11.30	0.99176	0.00060
14.50	1.03469	0.00067	12.30	0.99419	0.00062	11.40	0.99613	0.00061
14.70	1.04172	0.00064	12.40	0.99839	0.00064	11.50	1.00153	0.00063
15.00	1.05205	0.00063	12.50	1.00387	0.00062	11.60	1.00659	0.00062
			12.60	1.00681	0.00063	11.70	1.01216	0.00062
			12.70	1.01243	0.00062	11.80	1.01699	0.00063
			12.80	1.01679	0.00060	11.90	1.02216	0.00061
			12.90	1.02147	0.00061	12.00	1.02662	0.00062
			13.00	1.02572	0.00062			
			13.10	1.02941	0.00063			
			13.20	1.03441	0.00062			
			13.30	1.03797	0.00062			
			13.40	1.04148	0.00065			

3000	4000	5000						
9.50	0.92577	0.00062	8.40	0.92229	0.00060	7.60	0.92052	0.00061
9.64	0.93675	0.00058	8.47	0.92685	0.00058	7.67	0.92682	0.00060
9.71	0.93915	0.00060	8.54	0.93309	0.00062	7.74	0.93382	0.00062
9.78	0.94471	0.00065	8.61	0.93945	0.00063	7.88	0.94745	0.00059
9.85	0.94936	0.00061	8.68	0.94377	0.00060	7.95	0.95388	0.00060
9.92	0.95393	0.00060	8.75	0.95072	0.00061	8.02	0.95871	0.00062
9.99	0.95890	0.00061	8.82	0.95553	0.00061	8.09	0.96631	0.00060

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10.06 0.96348 0.00062	8.89 0.96157 0.00061	8.16 0.97223 0.00062
10.13 0.96752 0.00061	8.96 0.96668 0.00062	8.23 0.97896 0.00060
10.20 0.97237 0.00063	9.03 0.97263 0.00062	8.30 0.98470 0.00060
10.27 0.97668 0.00062	9.10 0.97764 0.00061	8.37 0.99101 0.00059
10.34 0.98147 0.00060	9.17 0.98215 0.00061	8.44 0.99628 0.00061
10.41 0.98534 0.00064	9.24 0.98738 0.00062	8.51 1.00086 0.00061
10.48 0.98989 0.00061	9.31 0.99331 0.00061	8.58 1.00904 0.00059
10.55 0.99347 0.00062	9.38 0.99918 0.00060	8.65 1.01461 0.00059
10.62 0.99860 0.00064	9.45 1.00389 0.00061	8.72 1.02054 0.00059
10.69 1.00260 0.00061	9.52 1.00864 0.00063	8.79 1.02658 0.00061
10.76 1.00731 0.00063	9.59 1.01407 0.00061	8.86 1.03243 0.00061
10.83 1.00990 0.00064	9.66 1.01862 0.00062	8.93 1.03750 0.00060
10.90 1.01424 0.00062	9.73 1.02400 0.00063	9.00 1.04464 0.00064
10.97 1.01868 0.00062	9.80 1.02828 0.00065	9.07 1.04811 0.00061
11.00 1.02084 0.00062	9.87 1.03411 0.00059	9.14 1.05408 0.00059
	9.94 1.03818 0.00058	9.21 1.06118 0.00062
	10.01 1.04281 0.00060	9.28 1.06617 0.00063
	10.08 1.04742 0.00060	9.35 1.07141 0.00061
	10.15 1.05182 0.00064	9.42 1.07681 0.00061
	10.20 1.05552 0.00060	9.49 1.08275 0.00061
		9.50 1.08335 0.00063

6000	7000	7500
7.00 0.92133 0.00060	6.50 0.92067 0.00059	6.00 0.88502 0.00056
7.05 0.92645 0.00059	6.55 0.92726 0.00056	6.05 0.89203 0.00056
7.10 0.93180 0.00057	6.60 0.93313 0.00057	6.10 0.89796 0.00056
7.15 0.93753 0.00060	6.65 0.93786 0.00058	6.15 0.90383 0.00057
7.20 0.94272 0.00059	6.70 0.94514 0.00055	6.20 0.91078 0.00057
7.25 0.94847 0.00060	6.75 0.95119 0.00058	6.25 0.91749 0.00057
7.30 0.95278 0.00060	6.80 0.95644 0.00058	6.30 0.92320 0.00056
7.35 0.95862 0.00060	6.85 0.96162 0.00058	6.35 0.93053 0.00056
7.40 0.96381 0.00059	6.90 0.96769 0.00059	6.40 0.93583 0.00058
7.45 0.96939 0.00061	6.95 0.97425 0.00058	6.45 0.94262 0.00060
7.50 0.97336 0.00058	7.00 0.97783 0.00058	6.50 0.94738 0.00059
7.55 0.97935 0.00058	7.05 0.98493 0.00055	6.55 0.95400 0.00056
7.60 0.98362 0.00060	7.10 0.98987 0.00057	6.60 0.95944 0.00057
7.65 0.98906 0.00059	7.15 0.99633 0.00059	6.65 0.96543 0.00059
7.70 0.99307 0.00060	7.20 1.00032 0.00059	6.70 0.97074 0.00059
7.75 0.99822 0.00061	7.25 1.00559 0.00058	6.80 0.98384 0.00057
7.80 1.00276 0.00056	7.30 1.01219 0.00059	6.85 0.98932 0.00058
7.85 1.00860 0.00058	7.35 1.01639 0.00058	6.90 0.99422 0.00060
7.90 1.01310 0.00059	7.40 1.02207 0.00060	6.95 1.00014 0.00058
7.95 1.01780 0.00060	7.45 1.02757 0.00059	7.00 1.00710 0.00057
8.00 1.02309 0.00061	7.50 1.03330 0.00062	7.05 1.01241 0.00057
	7.55 1.03817 0.00061	7.10 1.01815 0.00059
	7.60 1.04343 0.00060	7.15 1.02371 0.00055
		7.20 1.02913 0.00057
		7.25 1.03452 0.00059
		7.30 1.03870 0.00056
		7.35 1.04607 0.00061
		7.40 1.05174 0.00058

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8000	9000	10000
6.00 0.91065 0.00057	5.70 0.91839 0.00053	5.40 0.92172 0.00051
6.05 0.91734 0.00056	5.75 0.92550 0.00053	5.45 0.92843 0.00052
6.10 0.92310 0.00057	5.80 0.93277 0.00055	5.50 0.93593 0.00054
6.15 0.93060 0.00057	5.85 0.93959 0.00054	5.55 0.94307 0.00054
6.20 0.93553 0.00056	5.90 0.94626 0.00056	5.60 0.95000 0.00054
6.25 0.94236 0.00056	5.95 0.95268 0.00055	5.65 0.95676 0.00054
6.30 0.94897 0.00056	6.00 0.95948 0.00056	5.70 0.96478 0.00053
6.35 0.95533 0.00059	6.05 0.96655 0.00055	5.75 0.97147 0.00053
6.40 0.96103 0.00056	6.10 0.97366 0.00058	5.80 0.97910 0.00056
6.45 0.96797 0.00059	6.15 0.97913 0.00056	5.85 0.98592 0.00054
6.50 0.97428 0.00058	6.20 0.98642 0.00056	5.90 0.99355 0.00057
6.55 0.97972 0.00057	6.25 0.99294 0.00057	5.95 0.99987 0.00056
6.60 0.98602 0.00058	6.30 0.99898 0.00058	6.00 1.00616 0.00057
6.65 0.99135 0.00058	6.35 1.00501 0.00056	6.05 1.01360 0.00055
6.70 0.99817 0.00058	6.40 1.01270 0.00058	6.10 1.02084 0.00056
6.75 1.00447 0.00056	6.45 1.01762 0.00057	6.15 1.02695 0.00056
6.80 1.01060 0.00059	6.50 1.02531 0.00056	6.20 1.03392 0.00057
6.85 1.01547 0.00058	6.55 1.03112 0.00057	6.25 1.04022 0.00055
6.90 1.02279 0.00059	6.60 1.03757 0.00060	6.30 1.04663 0.00056
6.95 1.02657 0.00059	6.65 1.04285 0.00057	6.35 1.05390 0.00056
7.00 1.03391 0.00058	6.70 1.04944 0.00060	6.40 1.06020 0.00057
7.05 1.03929 0.00058	6.75 1.05619 0.00060	6.45 1.06695 0.00057
7.10 1.04534 0.00058	6.80 1.06157 0.00059	6.50 1.07395 0.00057
7.15 1.05000 0.00057	6.90 1.07293 0.00058	6.55 1.08106 0.00056
7.20 1.05528 0.00059	6.95 1.08052 0.00059	6.60 1.08586 0.00057
	7.00 1.08624 0.00060	

15000	19600
4.10 0.90308 0.00046	3.40 0.91466 0.00043
4.12 0.90649 0.00048	3.42 0.92030 0.00043
4.14 0.91070 0.00047	3.44 0.92399 0.00044
4.16 0.91423 0.00048	3.46 0.92943 0.00046
4.18 0.91749 0.00049	3.48 0.93370 0.00045
4.20 0.92055 0.00049	3.50 0.93844 0.00046
4.22 0.92634 0.00048	3.52 0.94217 0.00047
4.24 0.92983 0.00047	3.54 0.94754 0.00044
4.26 0.93423 0.00048	3.56 0.95192 0.00045
4.28 0.93917 0.00048	3.58 0.95615 0.00046
4.30 0.94133 0.00050	3.60 0.96155 0.00045
4.32 0.94532 0.00047	3.62 0.96450 0.00047
4.34 0.94839 0.00049	3.66 0.97491 0.00046
4.36 0.95189 0.00049	3.68 0.97949 0.00047
4.38 0.95536 0.00045	3.70 0.98391 0.00046
4.40 0.95892 0.00049	3.72 0.98819 0.00048
4.44 0.96668 0.00049	3.74 0.99286 0.00049
4.46 0.97176 0.00051	3.76 0.99666 0.00047
4.48 0.97456 0.00051	3.78 1.00078 0.00049
4.50 0.97796 0.00049	3.80 1.00522 0.00046
4.52 0.98200 0.00049	3.82 1.00952 0.00048
4.54 0.98573 0.00048	3.84 1.01458 0.00048
4.56 0.98908 0.00049	3.86 1.01905 0.00050
4.58 0.99239 0.00048	3.88 1.02406 0.00047
4.60 0.99650 0.00048	3.90 1.02775 0.00048
4.62 0.99974 0.00051	
4.64 1.00388 0.00048	
4.68 1.01046 0.00050	
4.70 1.01378 0.00052	

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	10	13	15
999.98	0.99129	0.00019	27.00 0.93314 0.00037
999.99	0.99129	0.00019	27.50 0.93861 0.00036
			28.00 0.94224 0.00035
			28.50 0.94686 0.00037
			29.00 0.95127 0.00035
			29.50 0.95527 0.00035
			30.00 0.95900 0.00035
			30.50 0.96177 0.00036
			31.00 0.96594 0.00034
			31.50 0.96918 0.00036
			32.00 0.97329 0.00035
			32.50 0.97544 0.00033
			33.00 0.97779 0.00034
			33.50 0.98202 0.00033
			34.00 0.98539 0.00033
			34.50 0.98736 0.00034
			35.00 0.98918 0.00035
			35.50 0.99232 0.00033
			36.00 0.99520 0.00032
			36.50 0.99769 0.00033
			37.00 1.00042 0.00034
			37.50 1.00299 0.00034
			38.00 1.00507 0.00032
			22.00 0.92437 0.00040
			22.25 0.92876 0.00038
			22.50 0.93134 0.00041
			22.75 0.93585 0.00041
			23.00 0.93836 0.00041
			23.25 0.94267 0.00042
			23.50 0.94487 0.00039
			23.75 0.94879 0.00043
			24.00 0.95187 0.00040
			24.25 0.95529 0.00040
			24.50 0.95778 0.00040
			24.75 0.96082 0.00041
			25.00 0.96384 0.00038
			25.25 0.96687 0.00040
			25.50 0.96903 0.00040
			25.75 0.97152 0.00038
			26.00 0.97432 0.00039
			26.25 0.97784 0.00039
			27.00 0.98502 0.00038
			27.25 0.98807 0.00039
			27.50 0.99080 0.00038
			27.75 0.99216 0.00038
			28.00 0.99442 0.00039
			28.25 0.99677 0.00038
			28.50 0.99893 0.00039
			28.75 1.00088 0.00038
			29.00 1.00314 0.00040
			29.25 1.00579 0.00040
			29.50 1.00781 0.00038
			30.00 1.01080 0.00039

	18		20		22
19.00	0.92977	0.00044	17.00	0.91468	0.00044
19.25	0.93526	0.00045	17.25	0.92075	0.00048
19.50	0.94005	0.00045	17.50	0.92806	0.00046
20.00	0.94999	0.00045	17.75	0.93302	0.00048
20.25	0.95375	0.00045	18.00	0.93859	0.00048
20.50	0.95863	0.00043	18.25	0.94429	0.00047
20.75	0.96265	0.00043	18.50	0.94970	0.00049
21.00	0.96799	0.00044	18.75	0.95503	0.00047
21.75	0.97983	0.00046	19.00	0.96083	0.00048
22.00	0.98229	0.00043	19.25	0.96539	0.00046
22.25	0.98715	0.00043	19.50	0.97070	0.00046
22.50	0.99093	0.00044	19.75	0.97553	0.00046
22.75	0.99457	0.00045	20.00	0.98060	0.00045
23.00	0.99825	0.00045	20.25	0.98527	0.00044
23.25	1.00253	0.00041	20.50	0.98902	0.00046
23.50	1.00513	0.00044	20.75	0.99439	0.00046
23.75	1.00787	0.00044	21.00	0.99929	0.00047
24.00	1.01172	0.00043	21.25	1.00291	0.00046
24.25	1.01521	0.00044	21.50	1.00663	0.00046
24.50	1.01775	0.00042	21.75	1.01132	0.00045
24.75	1.02134	0.00042	22.00	1.01534	0.00045
25.00	1.02483	0.00044			

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24	25	26
15.00 0.90354 0.00050	15.00 0.91281 0.00051	15.00 0.92142 0.00055
15.20 0.90887 0.00051	15.25 0.92170 0.00052	15.20 0.92918 0.00051
15.40 0.91640 0.00051	15.50 0.92874 0.00052	15.40 0.93363 0.00051
15.60 0.92251 0.00050	15.75 0.93646 0.00051	15.60 0.93992 0.00051
15.80 0.92771 0.00051	16.00 0.94309 0.00052	15.80 0.94622 0.00053
16.00 0.93381 0.00051	16.25 0.95108 0.00050	16.00 0.95273 0.00050
16.20 0.93975 0.00050	16.50 0.95745 0.00052	16.20 0.95846 0.00051
16.40 0.94477 0.00050	16.75 0.96409 0.00052	16.40 0.96390 0.00053
16.60 0.95086 0.00051	17.00 0.97194 0.00051	16.60 0.96988 0.00052
16.80 0.95628 0.00052	17.25 0.97779 0.00051	16.80 0.97483 0.00051
17.00 0.96150 0.00049	17.50 0.98409 0.00051	17.00 0.98084 0.00051
17.20 0.96752 0.00050	17.75 0.99095 0.00051	17.40 0.99116 0.00052
17.60 0.97674 0.00049	18.00 0.99591 0.00051	17.60 0.99671 0.00052
17.80 0.98090 0.00051	18.25 1.00135 0.00051	18.00 1.00562 0.00051
18.00 0.98718 0.00048	18.50 1.00896 0.00052	18.20 1.01039 0.00052
18.40 0.99663 0.00048	18.75 1.01307 0.00053	18.40 1.01613 0.00051
18.60 1.00068 0.00052	19.00 1.01940 0.00050	18.60 1.02051 0.00054
18.80 1.00535 0.00049	19.25 1.02460 0.00052	19.00 1.02966 0.00052
19.00 1.00949 0.00051	19.50 1.02975 0.00050	
19.20 1.01376 0.00048	19.75 1.03464 0.00049	
19.60 1.02179 0.00050	20.00 1.04031 0.00050	
19.80 1.02704 0.00049		
20.00 1.02941 0.00051		

28	30	32
14.00 0.90266 0.00052	14.00 0.91737 0.00056	13.90 0.92577 0.00053
14.25 0.91222 0.00054	14.20 0.92376 0.00055	14.10 0.93359 0.00055
14.50 0.92083 0.00053	14.40 0.93140 0.00052	14.30 0.94004 0.00053
14.75 0.92913 0.00052	14.60 0.93928 0.00052	14.50 0.94797 0.00054
15.00 0.93774 0.00052	14.80 0.94478 0.00054	14.70 0.95377 0.00057
15.25 0.94680 0.00052	15.00 0.95192 0.00052	15.10 0.96844 0.00058
15.50 0.95365 0.00054	15.20 0.96010 0.00053	15.30 0.97443 0.00055
15.75 0.96202 0.00051	15.40 0.96584 0.00053	15.50 0.98095 0.00056
16.00 0.96981 0.00053	15.60 0.97059 0.00051	15.70 0.98722 0.00056
16.25 0.97739 0.00053	16.20 0.98874 0.00054	15.90 0.99339 0.00055
16.50 0.98345 0.00053	16.40 0.99511 0.00053	16.10 0.99935 0.00053
16.75 0.98987 0.00052	16.60 1.00029 0.00054	16.30 1.00578 0.00053
17.00 0.99787 0.00053	16.80 1.00597 0.00054	16.50 1.01073 0.00055
17.25 1.00469 0.00054	17.00 1.01235 0.00052	16.70 1.01726 0.00056
17.50 1.00960 0.00052	17.20 1.01639 0.00053	16.90 1.02339 0.00054
17.75 1.01651 0.00053	17.40 1.02251 0.00052	17.50 1.03869 0.00054
18.00 1.02309 0.00052	17.60 1.02861 0.00055	17.70 1.04320 0.00055
18.25 1.02902 0.00054	17.80 1.03352 0.00052	17.90 1.04875 0.00054
18.50 1.03498 0.00049	18.00 1.03719 0.00053	18.00 1.05021 0.00055
18.75 1.04097 0.00053		
19.00 1.04657 0.00054		

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36	40	45
13.00 0.91139 0.00057	12.90 0.92363 0.00056	12.00 0.89814 0.00059
13.20 0.91945 0.00055	13.10 0.93118 0.00056	12.20 0.90944 0.00056
13.40 0.92790 0.00058	13.30 0.94064 0.00058	12.40 0.91885 0.00062
13.60 0.93474 0.00055	13.50 0.94990 0.00057	12.60 0.92845 0.00057
13.80 0.94235 0.00056	13.70 0.95599 0.00058	12.80 0.93655 0.00058
14.00 0.95128 0.00056	13.90 0.96334 0.00059	13.00 0.94532 0.00058
14.20 0.95869 0.00056	14.10 0.97215 0.00059	13.20 0.95353 0.00060
14.40 0.96455 0.00056	14.30 0.97943 0.00059	13.40 0.96068 0.00058
14.60 0.97219 0.00059	14.50 0.98679 0.00057	13.60 0.96922 0.00057
15.00 0.98533 0.00056	14.70 0.99245 0.00059	13.80 0.97703 0.00058
15.20 0.99259 0.00053	14.90 0.99984 0.00058	14.00 0.98525 0.00058
15.40 0.99899 0.00058	15.10 1.00584 0.00055	14.20 0.99170 0.00059
15.60 1.00606 0.00057	15.30 1.01343 0.00055	14.40 0.99865 0.00059
15.80 1.01226 0.00054	15.50 1.02025 0.00057	14.60 1.00690 0.00057
16.20 1.02449 0.00054	15.70 1.02631 0.00058	14.80 1.01319 0.00057
16.40 1.03031 0.00055	15.90 1.03292 0.00058	15.00 1.02002 0.00059
16.60 1.03542 0.00056	16.10 1.03760 0.00057	15.20 1.02655 0.00060
16.80 1.04198 0.00055	16.30 1.04442 0.00056	15.60 1.03985 0.00060
17.00 1.04683 0.00056	16.50 1.04952 0.00056	16.00 1.05248 0.00058
17.10 1.05002 0.00057	16.70 1.05533 0.00056	
	16.90 1.06045 0.00056	
	17.00 1.06399 0.00058	

50	75	100
12.00 0.91370 0.00059	11.80 0.93902 0.00062	11.00 0.91253 0.00062
12.20 0.92053 0.00059	11.90 0.94249 0.00059	11.10 0.91709 0.00065
12.40 0.93118 0.00059	12.00 0.94858 0.00063	11.40 0.93182 0.00062
12.60 0.93950 0.00062	12.10 0.95213 0.00063	11.50 0.93660 0.00063
12.80 0.94903 0.00060	12.20 0.95815 0.00059	11.60 0.94255 0.00063
13.00 0.95563 0.00059	12.30 0.96226 0.00064	11.70 0.94623 0.00066
13.20 0.96636 0.00060	12.40 0.96634 0.00061	11.80 0.95063 0.00062
13.40 0.97431 0.00060	12.50 0.97064 0.00062	12.00 0.96057 0.00064
13.60 0.98191 0.00061	12.60 0.97420 0.00062	12.10 0.96525 0.00063
13.80 0.98976 0.00057	12.70 0.97886 0.00062	12.20 0.96937 0.00065
14.00 0.99731 0.00063	12.80 0.98553 0.00063	12.30 0.97313 0.00063
14.20 1.00606 0.00060	12.90 0.98788 0.00064	12.40 0.97800 0.00065
14.40 1.01217 0.00060	13.00 0.99168 0.00064	12.50 0.98263 0.00063
14.60 1.01930 0.00057	13.30 1.00410 0.00065	12.60 0.98642 0.00065
14.80 1.02596 0.00062	13.40 1.00798 0.00063	12.70 0.99166 0.00064
15.00 1.03373 0.00059	13.50 1.01084 0.00061	12.80 0.99577 0.00062
15.60 1.05209 0.00060	13.60 1.01526 0.00062	12.90 0.99886 0.00067
15.80 1.05883 0.00062	13.70 1.02100 0.00063	13.00 1.00415 0.00064
16.00 1.06488 0.00060	14.00 1.03076 0.00063	13.30 1.01654 0.00065
	14.10 1.03503 0.00063	13.40 1.01998 0.00064
	14.20 1.03920 0.00066	13.50 1.02253 0.00066
	14.30 1.04311 0.00063	13.60 1.02676 0.00067
		13.70 1.03071 0.00066
		13.80 1.03468 0.00065
		13.90 1.03871 0.00062
		14.00 1.04291 0.00064

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150	200	350
11.00 0.91937 0.00064	11.00 0.91762 0.00065	11.20 0.91807 0.00066
11.20 0.92784 0.00065	11.20 0.92687 0.00066	11.40 0.92670 0.00063
11.40 0.93708 0.00065	11.40 0.93669 0.00065	11.60 0.93532 0.00065
11.60 0.94691 0.00065	11.60 0.94495 0.00065	11.80 0.94359 0.00065
11.80 0.95619 0.00066	11.80 0.95384 0.00066	12.40 0.96675 0.00065
12.00 0.96587 0.00063	12.00 0.96230 0.00067	12.60 0.97359 0.00066
12.20 0.97351 0.00064	12.20 0.97072 0.00063	13.40 1.00310 0.00066
12.40 0.98163 0.00066	12.40 0.97859 0.00067	13.60 1.01067 0.00063
12.80 0.99943 0.00066	12.60 0.98728 0.00069	13.80 1.01546 0.00065
13.00 1.00739 0.00064	12.80 0.99462 0.00065	15.00 1.05361 0.00065
13.20 1.01394 0.00063	13.00 1.00255 0.00064	
13.40 1.02305 0.00065	13.20 1.00982 0.00066	
13.60 1.02923 0.00065	13.40 1.01805 0.00064	
13.80 1.03583 0.00065	13.60 1.02531 0.00065	
14.00 1.04462 0.00064	13.80 1.03213 0.00066	
	14.00 1.03890 0.00066	

500	750	1000
11.00 0.90505 0.00064	11.00 0.91383 0.00064	11.00 0.92733 0.00062
11.20 0.91551 0.00063	11.20 0.92030 0.00064	11.20 0.93542 0.00064
11.40 0.92343 0.00063	12.00 0.95418 0.00064	11.40 0.94346 0.00061
11.60 0.93146 0.00061	12.20 0.96254 0.00065	11.60 0.95139 0.00065
11.80 0.93953 0.00063	12.40 0.96880 0.00064	11.80 0.95921 0.00062
12.00 0.94846 0.00065	12.80 0.98327 0.00063	12.00 0.96707 0.00061
12.60 0.97122 0.00065	13.40 1.00346 0.00062	12.20 0.97495 0.00063
12.80 0.97676 0.00063	13.60 1.01028 0.00064	12.40 0.98233 0.00061
13.00 0.98544 0.00064	13.80 1.01616 0.00064	12.60 0.98917 0.00063
13.20 0.99129 0.00065	14.00 1.02139 0.00064	12.80 0.99690 0.00063
13.40 0.99842 0.00062	14.20 1.02800 0.00064	13.00 1.00414 0.00064
13.60 1.00444 0.00065	14.80 1.04439 0.00062	13.20 1.00945 0.00061
13.80 1.01200 0.00066	15.00 1.05137 0.00063	13.40 1.01746 0.00061
14.00 1.01786 0.00062		13.60 1.02387 0.00060
14.20 1.02415 0.00065		14.00 1.03578 0.00063
14.40 1.02991 0.00065		14.10 1.03871 0.00062
14.60 1.03626 0.00066		
14.80 1.04132 0.00063		
15.00 1.04735 0.00065		

1500	2000	2500
10.00 0.91648 0.00060	9.30 0.91917 0.00059	8.80 0.92900 0.00059
10.20 0.92627 0.00060	9.37 0.92184 0.00060	8.90 0.93375 0.00060
10.80 0.95588 0.00063	9.44 0.92737 0.00058	9.00 0.94105 0.00061
11.00 0.96524 0.00063	9.51 0.93079 0.00059	9.10 0.94598 0.00062
11.20 0.97327 0.00063	9.58 0.93500 0.00061	9.20 0.95219 0.00059
11.40 0.98213 0.00062	9.65 0.94030 0.00061	9.30 0.95901 0.00063
11.60 0.98883 0.00061	9.72 0.94245 0.00062	9.40 0.96420 0.00062
11.80 0.99718 0.00062	9.79 0.94753 0.00061	9.50 0.97176 0.00059
12.00 1.00696 0.00060	9.86 0.94924 0.00060	9.60 0.97730 0.00060
12.40 1.02114 0.00063	9.93 0.95321 0.00063	9.70 0.98341 0.00061
12.60 1.02913 0.00061	10.00 0.95816 0.00062	9.80 0.98874 0.00061
12.80 1.03708 0.00060	10.07 0.96162 0.00060	10.10 1.00487 0.00060
13.00 1.04265 0.00062	10.28 0.97200 0.00062	10.20 1.00986 0.00058

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10.35	0.97494	0.00064	10.30	1.01469	0.00058
10.42	0.97839	0.00062	10.40	1.02031	0.00060
10.49	0.98278	0.00062	10.50	1.02534	0.00061
10.56	0.98581	0.00060	10.60	1.03009	0.00059
10.63	0.98898	0.00061	10.70	1.03612	0.00061
10.70	0.99210	0.00062	10.80	1.03959	0.00059
10.77	0.99572	0.00061	10.90	1.04515	0.00058
10.84	0.99954	0.00061	11.00	1.05144	0.00061
10.91	1.00202	0.00061			
10.98	1.00584	0.00059			
11.05	1.00865	0.00062			
11.10	1.01083	0.00060			

3000			4000			5000		
8.10	0.91790	0.00062	7.00	0.89742	0.00060	6.60	0.92062	0.00058
8.20	0.92606	0.00059	7.05	0.90152	0.00057	6.67	0.92658	0.00061
8.40	0.93893	0.00060	7.10	0.90583	0.00058	6.74	0.93300	0.00061
8.50	0.94705	0.00059	7.15	0.91082	0.00060	6.81	0.94024	0.00057
8.60	0.95369	0.00060	7.20	0.91560	0.00058	6.88	0.94808	0.00059
8.70	0.96048	0.00057	7.25	0.91990	0.00058	6.95	0.95325	0.00060
8.80	0.96640	0.00061	7.30	0.92317	0.00060	7.02	0.96073	0.00060
8.90	0.97244	0.00060	7.35	0.92771	0.00061	7.09	0.96805	0.00058
9.00	0.98047	0.00062	7.40	0.93268	0.00058	7.16	0.97342	0.00058
9.10	0.98612	0.00058	7.50	0.94115	0.00058	7.23	0.98114	0.00059
9.20	0.99284	0.00060	7.55	0.94454	0.00058	7.30	0.98546	0.00058
9.30	0.99787	0.00060	7.60	0.94893	0.00059	7.37	0.99284	0.00059
9.40	1.00489	0.00062	7.65	0.95273	0.00060	7.51	1.00541	0.00060
9.50	1.01144	0.00060	7.70	0.95654	0.00058	7.58	1.01139	0.00059
9.60	1.01679	0.00060	7.75	0.96070	0.00059	7.65	1.01771	0.00060
9.80	1.02976	0.00059	7.80	0.96489	0.00059	7.72	1.02470	0.00061
9.90	1.03531	0.00058	7.85	0.96969	0.00058	7.79	1.03111	0.00059
10.00	1.03925	0.00061	7.90	0.97350	0.00061	7.86	1.03543	0.00060
10.10	1.04553	0.00059	7.95	0.97706	0.00060	7.93	1.04266	0.00061
10.20	1.05111	0.00060	8.00	0.98023	0.00061			
			8.05	0.98546	0.00060			
			8.15	0.99288	0.00061			
			8.20	0.99685	0.00064			
			8.30	1.00422	0.00059			
			8.35	1.00847	0.00058			
			8.45	1.01568	0.00057			

6000			7000			7500		
6.00	0.90928	0.00055	5.60	0.91004	0.00058	5.50	0.92141	0.00058
6.07	0.91741	0.00058	5.67	0.91972	0.00055	5.52	0.92340	0.00056
6.14	0.92578	0.00059	5.74	0.92837	0.00059	5.54	0.92563	0.00059
6.35	0.95009	0.00058	5.81	0.93603	0.00059	5.60	0.93361	0.00056
6.42	0.95602	0.00058	5.88	0.94469	0.00057	5.62	0.93597	0.00058
6.49	0.96357	0.00060	5.95	0.95308	0.00059	5.64	0.93976	0.00058
6.56	0.97169	0.00060	6.02	0.96170	0.00058	5.66	0.94136	0.00058
6.63	0.97904	0.00059	6.16	0.97888	0.00060	5.68	0.94362	0.00058
6.70	0.98669	0.00058	6.23	0.98686	0.00060	5.70	0.94612	0.00059
6.77	0.99309	0.00061	6.44	1.01084	0.00059	5.74	0.95205	0.00059
6.84	1.00003	0.00059	6.51	1.01801	0.00061	5.76	0.95420	0.00060

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7.05	1.02183	0.00058	6.58	1.02571	0.00060	5.78	0.95710	0.00060
7.12	1.02831	0.00060	6.65	1.03364	0.00060	5.84	0.96463	0.00057
7.19	1.03485	0.00061	6.72	1.04023	0.00061	5.86	0.96676	0.00061
7.26	1.04226	0.00060	6.79	1.04965	0.00060	5.88	0.96844	0.00059
7.33	1.04820	0.00060	6.93	1.06337	0.00056	5.90	0.97131	0.00058
7.40	1.05540	0.00058	7.00	1.07106	0.00061	5.92	0.97431	0.00060
7.47	1.06148	0.00059	7.07	1.07746	0.00059	5.94	0.97586	0.00058
7.50	1.06415	0.00063	7.10	1.08281	0.00061	5.96	0.97871	0.00058
						6.00	0.98371	0.00059
						6.02	0.98583	0.00059
						6.04	0.98849	0.00058
						6.06	0.99074	0.00060
						6.08	0.99341	0.00057
						6.10	0.99655	0.00057
						6.12	0.99827	0.00056
						6.14	1.00083	0.00058
						6.16	1.00348	0.00058
						6.18	1.00452	0.00056
						6.20	1.00773	0.00061

8000	9000	10000						
5.30	0.91827	0.00057	5.00	0.91650	0.00057	4.72	0.91426	0.00055
5.32	0.91882	0.00057	5.02	0.91886	0.00057	4.76	0.92090	0.00059
5.34	0.92090	0.00058	5.04	0.92283	0.00057	4.78	0.92448	0.00056
5.36	0.92498	0.00057	5.06	0.92531	0.00056	4.80	0.92705	0.00053
5.38	0.92786	0.00057	5.08	0.92945	0.00056	4.82	0.92981	0.00052
5.40	0.92979	0.00057	5.10	0.93168	0.00058	4.84	0.93326	0.00057
5.42	0.93307	0.00056	5.12	0.93372	0.00059	4.86	0.93535	0.00055
5.44	0.93560	0.00057	5.16	0.93995	0.00057	4.88	0.93933	0.00056
5.46	0.93717	0.00058	5.18	0.94256	0.00057	4.90	0.94198	0.00057
5.48	0.94154	0.00059	5.20	0.94593	0.00057	4.92	0.94480	0.00055
5.50	0.94232	0.00056	5.22	0.94817	0.00057	4.96	0.95055	0.00057
5.52	0.94665	0.00058	5.26	0.95414	0.00057	4.98	0.95466	0.00057
5.54	0.94841	0.00058	5.28	0.95642	0.00056	5.00	0.95781	0.00058
5.56	0.95082	0.00058	5.30	0.95986	0.00056	5.02	0.96115	0.00054
5.60	0.95695	0.00058	5.32	0.96260	0.00058	5.04	0.96355	0.00057
5.62	0.95895	0.00056	5.34	0.96538	0.00058	5.06	0.96664	0.00056
5.64	0.96171	0.00058	5.36	0.96896	0.00058	5.08	0.96943	0.00056
5.66	0.96360	0.00057	5.38	0.97038	0.00058	5.10	0.97373	0.00057
5.68	0.96668	0.00056	5.40	0.97472	0.00057	5.12	0.97612	0.00058
5.70	0.96994	0.00057	5.42	0.97631	0.00058	5.14	0.97875	0.00059
5.72	0.97217	0.00058	5.44	0.97977	0.00059	5.16	0.98133	0.00059
5.74	0.97451	0.00055	5.46	0.98245	0.00055	5.18	0.98399	0.00056
5.76	0.97696	0.00058	5.48	0.98527	0.00059	5.20	0.98697	0.00058
5.78	0.98048	0.00060	5.50	0.98741	0.00058	5.22	0.99041	0.00058
5.80	0.98161	0.00056	5.56	0.99628	0.00059	5.24	0.99334	0.00058
5.82	0.98496	0.00057	5.58	0.99789	0.00055	5.26	0.99620	0.00057
5.84	0.98863	0.00056	5.60	1.00127	0.00056	5.28	0.99883	0.00058
5.86	0.99052	0.00057	5.62	1.00337	0.00058	5.30	1.00282	0.00058
5.88	0.99257	0.00059	5.64	1.00593	0.00057	5.32	1.00487	0.00058
5.90	0.99423	0.00060	5.66	1.00907	0.00059	5.34	1.00790	0.00059
5.92	0.99759	0.00056	5.68	1.01336	0.00057	5.36	1.01059	0.00056
5.94	1.00031	0.00058	5.70	1.01333	0.00059	5.38	1.01491	0.00060
5.96	1.00244	0.00058				5.40	1.01575	0.00058
5.98	1.00517	0.00058						
6.00	1.00913	0.00057						

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15000	19600
3.70 0.91075 0.00053	3.10 0.91721 0.00049
3.72 0.91364 0.00050	3.12 0.92169 0.00050
3.74 0.91790 0.00053	3.14 0.92683 0.00051
3.76 0.92295 0.00054	3.16 0.93255 0.00050
3.78 0.92700 0.00051	3.18 0.93784 0.00052
3.80 0.93096 0.00053	3.20 0.94200 0.00050
3.82 0.93472 0.00050	3.22 0.94671 0.00052
3.84 0.93820 0.00052	3.24 0.95221 0.00053
3.86 0.94268 0.00050	3.26 0.95636 0.00049
3.88 0.94517 0.00053	3.28 0.96214 0.00053
3.90 0.95000 0.00052	3.30 0.96662 0.00050
3.92 0.95414 0.00051	3.32 0.97089 0.00052
3.94 0.95776 0.00054	3.34 0.97620 0.00053
3.96 0.96252 0.00052	3.36 0.98134 0.00052
3.98 0.96663 0.00053	3.38 0.98552 0.00051
4.00 0.97072 0.00054	3.40 0.99114 0.00052
4.02 0.97365 0.00054	3.42 0.99611 0.00051
4.04 0.97699 0.00054	3.44 1.00036 0.00053
4.06 0.98172 0.00057	3.46 1.00495 0.00052
4.08 0.98648 0.00056	3.48 1.01005 0.00053
4.10 0.98954 0.00053	3.50 1.01532 0.00054
4.12 0.99455 0.00054	
4.14 0.99803 0.00055	
4.16 1.00084 0.00054	
4.18 1.00459 0.00053	
4.20 1.00933 0.00054	

sumtable.pu-sp-0850-00		
10	13	15
30.00 0.87435 0.00036	26.00 0.93164 0.00040	23.25 0.94079 0.00046
32.50 0.89416 0.00033	26.25 0.93582 0.00042	23.50 0.94499 0.00045
35.00 0.91018 0.00035	26.50 0.93925 0.00041	24.00 0.95403 0.00046
37.50 0.92421 0.00033	26.75 0.94226 0.00040	24.25 0.95693 0.00043
40.00 0.93649 0.00032	27.00 0.94464 0.00041	24.50 0.96161 0.00044
42.50 0.94612 0.00030	27.25 0.94776 0.00041	24.75 0.96470 0.00044
45.00 0.95466 0.00030	27.75 0.95367 0.00041	25.00 0.96895 0.00047
47.50 0.96306 0.00029	28.00 0.95680 0.00040	25.25 0.97231 0.00044
50.00 0.96861 0.00029	28.25 0.95898 0.00039	25.50 0.97547 0.00044
52.50 0.97436 0.00028	28.50 0.96247 0.00040	25.75 0.97935 0.00045
57.50 0.98383 0.00027	28.75 0.96477 0.00039	26.00 0.98320 0.00045
60.00 0.98780 0.00024	29.00 0.96740 0.00040	26.25 0.98530 0.00043
62.50 0.99136 0.00026	29.25 0.97029 0.00038	26.50 0.99020 0.00045
65.00 0.99492 0.00025	29.50 0.97206 0.00041	26.75 0.99326 0.00043
67.50 0.99733 0.00025	29.75 0.97441 0.00039	27.00 0.99658 0.00043
70.00 0.99989 0.00025	30.00 0.97672 0.00040	27.25 0.99951 0.00044
72.50 1.00176 0.00025	30.25 0.97949 0.00040	27.50 1.00222 0.00043
75.00 1.00401 0.00025	30.50 0.98090 0.00039	28.25 1.01160 0.00042
77.50 1.00612 0.00023	30.75 0.98431 0.00037	28.50 1.01477 0.00042
80.00 1.00725 0.00023	31.00 0.98657 0.00038	28.75 1.01601 0.00040
82.50 1.00882 0.00023	31.25 0.98870 0.00038	29.00 1.01963 0.00043
85.00 1.01015 0.00023	31.50 0.99135 0.00039	29.25 1.02275 0.00042
87.50 1.01205 0.00022	31.75 0.99273 0.00038	29.50 1.02482 0.00043
90.00 1.01282 0.00023	32.00 0.99529 0.00038	29.75 1.02788 0.00040

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92.50	1.01391	0.00024	32.25	0.99687	0.00039	30.00	1.02954	0.00041
95.00	1.01621	0.00022	32.50	0.99824	0.00038			
97.50	1.01604	0.00022	32.75	1.00095	0.00039			
100.00	1.01753	0.00022	33.00	1.00230	0.00037			
102.50	1.01865	0.00021	33.50	1.00595	0.00038			
105.00	1.01849	0.00022	33.75	1.00776	0.00039			
107.50	1.02009	0.00021	34.00	1.00987	0.00038			
110.00	1.02038	0.00022						

18	20	22						
20.00	0.92985	0.00051	19.00	0.93394	0.00052	18.00	0.92865	0.00053
20.25	0.93591	0.00050	19.20	0.93879	0.00054	18.20	0.93436	0.00056
20.50	0.94067	0.00051	19.40	0.94414	0.00051	18.40	0.94133	0.00054
20.75	0.94824	0.00051	19.80	0.95393	0.00052	18.60	0.94643	0.00054
21.00	0.95294	0.00053	20.00	0.95907	0.00053	18.80	0.95160	0.00054
21.25	0.95880	0.00050	20.20	0.96460	0.00051	19.00	0.95849	0.00054
21.50	0.96483	0.00048	20.40	0.96967	0.00053	19.20	0.96521	0.00052
21.75	0.96960	0.00051	20.60	0.97426	0.00051	19.40	0.96944	0.00057
22.00	0.97548	0.00050	20.80	0.97935	0.00052	19.60	0.97572	0.00053
22.25	0.97983	0.00049	21.00	0.98427	0.00051	19.80	0.98049	0.00055
22.50	0.98432	0.00050	21.20	0.98894	0.00052	20.00	0.98561	0.00054
22.75	0.98965	0.00049	21.40	0.99235	0.00053	20.20	0.99040	0.00055
23.00	0.99381	0.00051	21.60	0.99703	0.00050	20.40	0.99554	0.00055
23.25	0.99946	0.00047	21.80	1.00232	0.00048	20.60	1.00097	0.00052
23.50	1.00339	0.00049	22.00	1.00481	0.00051	20.80	1.00480	0.00055
23.75	1.00661	0.00048	22.20	1.00929	0.00049	21.00	1.00936	0.00051
24.00	1.01337	0.00047	22.30	1.01196	0.00050			
24.25	1.01650	0.00049						
24.50	1.02151	0.00049						
24.75	1.02441	0.00048						
25.00	1.02876	0.00047						

24	25	26						
17.00	0.91465	0.00057	17.00	0.92590	0.00055	16.00	0.89550	0.00059
17.20	0.92338	0.00055	17.20	0.93202	0.00058	16.20	0.90385	0.00057
17.40	0.92933	0.00056	17.40	0.93908	0.00058	16.40	0.91166	0.00058
17.60	0.93774	0.00057	17.60	0.94557	0.00057	16.60	0.91920	0.00057
17.80	0.94278	0.00056	17.80	0.95142	0.00058	16.80	0.92786	0.00058
18.00	0.94965	0.00056	18.00	0.95867	0.00058	17.00	0.93354	0.00058
18.20	0.95616	0.00059	18.20	0.96482	0.00057	17.20	0.94017	0.00056
18.40	0.96227	0.00057	18.40	0.97313	0.00057	17.40	0.94836	0.00057
18.60	0.96803	0.00057	18.60	0.97746	0.00058	17.60	0.95555	0.00059
18.80	0.97313	0.00055	18.80	0.98301	0.00057	17.80	0.96023	0.00057
19.00	0.97926	0.00056	19.00	0.98880	0.00055	18.00	0.96725	0.00058
19.20	0.98624	0.00054	19.20	0.99395	0.00055	18.20	0.97420	0.00058
19.40	0.99059	0.00054	19.40	0.99972	0.00057	18.40	0.98034	0.00058
19.60	0.99732	0.00056	19.60	1.00581	0.00058	18.60	0.98612	0.00057
19.80	1.00253	0.00057	19.80	1.01304	0.00059	18.80	0.99395	0.00055
20.00	1.00751	0.00054	20.00	1.01624	0.00057	19.00	0.99919	0.00059
20.20	1.01395	0.00056	20.20	1.02212	0.00055	19.20	1.00427	0.00055
20.40	1.01714	0.00054	20.40	1.02647	0.00054	19.40	1.00972	0.00057
20.60	1.02201	0.00054	20.60	1.03225	0.00058	19.60	1.01658	0.00057
20.80	1.02823	0.00055	20.80	1.03721	0.00057	19.80	1.02107	0.00057
21.00	1.03316	0.00053	21.00	1.04143	0.00056	20.00	1.02683	0.00056

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28	30	32
16.00 0.91124 0.00059	15.90 0.92167 0.00059	15.00 0.89491 0.00060
16.60 0.93465 0.00060	16.10 0.93002 0.00061	15.20 0.90272 0.00061
16.80 0.94180 0.00059	16.30 0.93675 0.00060	15.40 0.91024 0.00062
17.00 0.94865 0.00061	16.50 0.94473 0.00061	15.60 0.91952 0.00062
17.20 0.95687 0.00059	16.70 0.95108 0.00061	15.80 0.92848 0.00060
17.40 0.96426 0.00059	16.90 0.95878 0.00061	16.00 0.93844 0.00062
17.60 0.96969 0.00059	17.10 0.96587 0.00061	16.20 0.94410 0.00059
17.80 0.97810 0.00055	17.30 0.97425 0.00059	16.80 0.96791 0.00062
18.00 0.98342 0.00058	17.50 0.98175 0.00057	17.00 0.97391 0.00060
18.20 0.99086 0.00060	17.70 0.98864 0.00060	17.20 0.98227 0.00063
18.40 0.99736 0.00061	17.90 0.99422 0.00061	17.40 0.98884 0.00063
18.60 1.00261 0.00058	18.10 1.00117 0.00059	17.60 0.99687 0.00059
18.80 1.00794 0.00058	18.30 1.00772 0.00058	17.80 1.00432 0.00060
19.00 1.01476 0.00059	18.50 1.01401 0.00056	18.00 1.01124 0.00062
19.20 1.02072 0.00058	18.70 1.02064 0.00060	18.20 1.01740 0.00059
19.40 1.02599 0.00057	18.90 1.02654 0.00058	18.40 1.02276 0.00061
20.00 1.04252 0.00059	19.10 1.03223 0.00060	18.60 1.03068 0.00060
	19.30 1.03856 0.00060	18.80 1.03592 0.00059
		19.00 1.04045 0.00060

36	40	45
15.00 0.91295 0.00063	15.00 0.92793 0.00064	14.00 0.89484 0.00065
15.20 0.92251 0.00061	15.20 0.93793 0.00063	14.20 0.90496 0.00066
15.60 0.94055 0.00062	15.40 0.94672 0.00063	14.40 0.91408 0.00066
15.80 0.94695 0.00065	15.60 0.95506 0.00064	14.60 0.92494 0.00065
16.00 0.95512 0.00063	15.80 0.96384 0.00066	14.80 0.93475 0.00064
16.20 0.96577 0.00060	16.00 0.97238 0.00063	15.00 0.94434 0.00067
16.40 0.97250 0.00063	16.20 0.97977 0.00063	15.20 0.95178 0.00065
16.80 0.98903 0.00063	16.40 0.98901 0.00063	15.40 0.96046 0.00064
17.00 0.99527 0.00063	16.60 0.99691 0.00065	15.60 0.97031 0.00064
17.20 1.00279 0.00063	16.80 1.00404 0.00063	15.80 0.97890 0.00066
17.40 1.01084 0.00061	17.00 1.00999 0.00061	16.00 0.98770 0.00067
17.60 1.01744 0.00064	17.20 1.01966 0.00063	16.20 0.99579 0.00064
17.80 1.02350 0.00063	17.40 1.02752 0.00061	16.40 1.00242 0.00067
18.00 1.03048 0.00063	17.60 1.03391 0.00063	16.60 1.01309 0.00062
18.20 1.03775 0.00064	17.80 1.04099 0.00065	16.80 1.01948 0.00064
18.40 1.04344 0.00065		17.00 1.02718 0.00066
18.60 1.04982 0.00062		17.20 1.03422 0.00066
18.80 1.05679 0.00061		17.40 1.04321 0.00068
19.00 1.06303 0.00061		17.60 1.04939 0.00066
		17.80 1.05748 0.00064
		18.00 1.06317 0.00062

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50	75	100
14.00 0.90505 0.00067	13.80 0.92315 0.00069	13.00 0.88959 0.00071
14.20 0.91670 0.00066	14.00 0.93631 0.00071	13.20 0.90173 0.00071
14.40 0.92611 0.00066	14.20 0.94529 0.00069	13.40 0.91156 0.00072
14.60 0.93623 0.00065	14.40 0.95746 0.00070	13.60 0.92320 0.00070
15.20 0.96477 0.00069	14.60 0.96579 0.00069	13.80 0.93610 0.00070
15.40 0.97390 0.00066	14.80 0.97367 0.00070	14.00 0.94378 0.00074
15.60 0.98223 0.00067	15.00 0.98411 0.00070	14.20 0.95485 0.00072
15.80 0.99104 0.00067	15.20 0.99382 0.00070	14.40 0.96396 0.00071
16.00 0.99890 0.00066	15.40 1.00223 0.00070	14.60 0.97422 0.00072
16.20 1.00841 0.00064	15.60 1.01165 0.00071	14.80 0.98249 0.00072
16.40 1.01668 0.00069	15.80 1.01820 0.00072	15.00 0.99321 0.00071
16.60 1.02388 0.00064	16.00 1.02778 0.00068	15.20 1.00239 0.00070
16.80 1.03090 0.00066	16.20 1.03696 0.00069	15.40 1.01116 0.00070
17.00 1.03952 0.00069	16.40 1.04490 0.00070	15.60 1.02034 0.00071
17.20 1.04721 0.00065	16.60 1.05365 0.00070	15.80 1.02883 0.00073
17.40 1.05378 0.00064	16.80 1.06168 0.00069	16.00 1.03730 0.00072
17.60 1.06126 0.00065	17.00 1.06757 0.00068	16.20 1.04528 0.00071
17.80 1.06721 0.00064		16.40 1.05238 0.00070
18.00 1.07378 0.00064		16.60 1.06026 0.00072
		16.80 1.06865 0.00070
		17.00 1.07672 0.00070

150	200	350
13.00 0.89152 0.00069	13.70 0.92566 0.00072	13.70 0.91263 0.00072
13.20 0.90288 0.00069	13.90 0.93454 0.00071	13.90 0.92359 0.00070
13.40 0.91398 0.00074	14.10 0.94528 0.00073	14.10 0.93275 0.00070
13.60 0.92414 0.00068	14.30 0.95429 0.00072	14.30 0.94204 0.00071
13.80 0.93507 0.00074	14.50 0.96363 0.00072	14.50 0.95141 0.00070
14.00 0.94554 0.00069	14.70 0.97184 0.00073	14.70 0.95961 0.00069
14.20 0.95492 0.00072	14.90 0.98294 0.00071	14.90 0.96876 0.00070
14.40 0.96447 0.00072	15.10 0.98991 0.00070	15.10 0.97740 0.00068
14.60 0.97443 0.00074	15.30 0.99997 0.00072	15.30 0.98527 0.00071
14.80 0.98380 0.00074	15.50 1.00756 0.00073	15.50 0.99314 0.00071
15.00 0.99315 0.00076	15.70 1.01625 0.00068	15.70 1.00275 0.00070
15.20 1.00233 0.00071	16.50 1.04706 0.00073	15.90 1.00935 0.00072
15.40 1.01179 0.00070	16.70 1.05611 0.00072	16.10 1.01621 0.00069
16.00 1.03582 0.00070	16.90 1.06056 0.00072	16.30 1.02546 0.00070
16.20 1.04265 0.00071	17.00 1.06657 0.00070	16.50 1.02934 0.00070
16.40 1.05075 0.00069		16.70 1.03766 0.00069
16.60 1.05951 0.00073		16.90 1.04630 0.00071
16.80 1.06452 0.00071		17.10 1.05226 0.00074
17.00 1.07412 0.00069		

500	750	1000
13.80 0.91631 0.00068	13.00 0.88714 0.00067	13.00 0.90355 0.00066
14.00 0.92718 0.00071	13.20 0.89711 0.00070	13.20 0.91474 0.00066
14.20 0.93583 0.00068	13.40 0.90722 0.00065	13.40 0.92295 0.00067
14.40 0.94236 0.00067	13.60 0.91606 0.00068	13.60 0.93398 0.00064
14.60 0.95258 0.00069	13.80 0.92530 0.00069	13.80 0.94198 0.00069
14.80 0.96098 0.00069	14.00 0.93538 0.00070	14.00 0.95198 0.00068
15.00 0.96898 0.00071	14.20 0.94378 0.00068	14.20 0.96134 0.00064
15.20 0.97855 0.00069	14.40 0.95238 0.00067	14.60 0.97702 0.00067

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15.40	0.98545	0.00071	14.60	0.96008	0.00068	14.80	0.98428	0.00066
15.60	0.99381	0.00073	14.80	0.96871	0.00067	15.00	0.99469	0.00072
15.80	1.00084	0.00069	15.00	0.97753	0.00068	15.20	1.00256	0.00067
16.00	1.00918	0.00069	15.20	0.98539	0.00068	15.40	1.01001	0.00066
16.20	1.01500	0.00069	15.40	0.99240	0.00068	15.60	1.01702	0.00067
16.40	1.02334	0.00069	15.60	0.99989	0.00068	15.80	1.02439	0.00066
16.60	1.03013	0.00069	15.80	1.00915	0.00066	16.00	1.03155	0.00068
16.80	1.03684	0.00068	16.00	1.01360	0.00069	16.20	1.03925	0.00069
17.00	1.04315	0.00067	16.20	1.02113	0.00069	16.40	1.04671	0.00065
17.20	1.04829	0.00070	16.40	1.02900	0.00069	16.60	1.05347	0.00066
17.40	1.05692	0.00068	16.60	1.03668	0.00068	16.80	1.06091	0.00067
17.80	1.06785	0.00068	16.80	1.04355	0.00068	17.00	1.06669	0.00067
18.00	1.07525	0.00068	17.00	1.05129	0.00066			
			17.10	1.05230	0.00067			

1500	2000	2500						
12.00	0.89474	0.00065	11.70	0.92447	0.00063	11.00	0.92761	0.00062
12.10	0.90063	0.00065	11.80	0.93098	0.00060	11.10	0.93491	0.00063
12.20	0.90668	0.00064	11.90	0.93594	0.00064	11.20	0.94078	0.00062
12.30	0.91136	0.00066	12.00	0.94296	0.00064	11.30	0.94793	0.00060
12.40	0.91867	0.00065	12.10	0.94805	0.00063	11.40	0.95443	0.00061
12.50	0.92200	0.00065	12.20	0.95368	0.00061	11.50	0.96007	0.00062
12.60	0.92711	0.00065	12.30	0.96090	0.00062	11.60	0.96648	0.00063
12.70	0.93467	0.00066	12.40	0.96545	0.00063	11.70	0.97188	0.00061
12.80	0.93785	0.00062	12.50	0.97061	0.00064	11.80	0.97800	0.00061
12.90	0.94250	0.00063	12.60	0.97576	0.00061	11.90	0.98530	0.00066
13.10	0.95394	0.00064	12.70	0.98207	0.00062	12.00	0.99071	0.00061
13.20	0.95873	0.00065	12.80	0.98721	0.00063	12.10	0.99591	0.00063
13.30	0.96334	0.00064	12.90	0.99160	0.00064	12.20	1.00133	0.00061
13.40	0.96652	0.00065	13.00	0.99709	0.00063	12.30	1.00788	0.00064
13.50	0.97329	0.00068	13.10	1.00248	0.00066	12.40	1.01308	0.00063
13.60	0.97761	0.00066	13.20	1.00770	0.00062	12.50	1.01917	0.00062
13.70	0.98245	0.00067	13.30	1.01172	0.00065	12.60	1.02442	0.00065
13.80	0.98721	0.00067	13.40	1.01645	0.00064	12.70	1.02997	0.00063
14.00	0.99559	0.00065	13.50	1.02274	0.00062	12.80	1.03465	0.00061
14.10	1.00130	0.00065	13.60	1.02771	0.00063	12.90	1.04024	0.00063
14.20	1.00567	0.00065	13.70	1.03054	0.00064	13.00	1.04611	0.00063
14.50	1.01790	0.00066	13.80	1.03566	0.00062			
14.60	1.02216	0.00065	13.90	1.04123	0.00064			
14.70	1.02560	0.00066	14.00	1.04530	0.00064			
14.80	1.03172	0.00065	14.10	1.04973	0.00068			
14.90	1.03378	0.00066	14.20	1.05519	0.00063			
15.00	1.03731	0.00067	14.30	1.05962	0.00061			
15.10	1.04342	0.00065						
15.20	1.04797	0.00065						
15.30	1.05107	0.00064						
15.40	1.05458	0.00065						

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3000	4000	5000
10.07 0.90865 0.00060	9.20 0.91888 0.00059	8.40 0.91998 0.00058
10.14 0.91247 0.00060	9.25 0.92353 0.00061	8.47 0.92500 0.00057
10.21 0.91629 0.00061	9.30 0.92610 0.00059	8.54 0.93166 0.00058
10.28 0.92239 0.00060	9.35 0.93164 0.00061	8.61 0.93941 0.00057
10.35 0.92832 0.00060	9.40 0.93559 0.00062	8.68 0.94562 0.00060
10.42 0.93234 0.00059	9.45 0.93821 0.00064	8.75 0.95200 0.00057
10.49 0.93730 0.00063	9.50 0.94435 0.00058	8.82 0.95756 0.00058
10.56 0.94313 0.00063	9.55 0.94742 0.00062	8.89 0.96490 0.00060
10.63 0.94771 0.00064	9.60 0.95216 0.00060	8.96 0.97166 0.00061
10.70 0.95276 0.00061	9.65 0.95696 0.00061	9.03 0.97725 0.00057
10.84 0.96174 0.00062	9.70 0.96002 0.00059	9.10 0.98577 0.00057
10.91 0.96699 0.00062	9.75 0.96511 0.00060	9.17 0.99067 0.00060
10.98 0.97269 0.00062	9.80 0.96887 0.00059	9.24 0.99647 0.00060
11.05 0.97716 0.00060	9.85 0.97269 0.00061	9.31 1.00312 0.00059
11.12 0.98087 0.00063	9.90 0.97804 0.00060	9.38 1.00978 0.00061
11.19 0.98676 0.00062	9.95 0.98174 0.00060	9.45 1.01565 0.00061
11.26 0.98915 0.00061	10.00 0.98571 0.00059	9.52 1.02089 0.00062
11.33 0.99540 0.00061	10.05 0.98819 0.00057	9.59 1.02793 0.00060
11.40 1.00026 0.00062	10.10 0.99230 0.00060	9.66 1.03444 0.00061
11.47 1.00388 0.00061	10.15 0.99568 0.00059	9.73 1.03976 0.00061
11.54 1.00894 0.00062	10.20 0.99987 0.00063	9.80 1.04584 0.00060
11.61 1.01250 0.00062	10.25 1.00477 0.00061	9.87 1.05237 0.00059
11.68 1.01852 0.00060	10.40 1.01506 0.00059	9.94 1.05876 0.00058
11.75 1.02046 0.00063	10.45 1.02028 0.00062	10.00 1.06211 0.00060
11.82 1.02708 0.00063	10.50 1.02262 0.00060	
11.89 1.02930 0.00062	10.55 1.02752 0.00061	
11.96 1.03484 0.00062	10.60 1.03106 0.00062	
12.00 1.03737 0.00063		

6000	7000	7500
7.70 0.91105 0.00056	7.30 0.92582 0.00055	7.00 0.91847 0.00052
7.77 0.91848 0.00056	7.32 0.92899 0.00055	7.07 0.92739 0.00052
7.84 0.92537 0.00056	7.34 0.93086 0.00054	7.14 0.93493 0.00054
7.91 0.93414 0.00056	7.36 0.93302 0.00054	7.21 0.94459 0.00055
7.98 0.94139 0.00054	7.38 0.93478 0.00053	7.28 0.95234 0.00054
8.05 0.94946 0.00056	7.40 0.93762 0.00056	7.35 0.96078 0.00053
8.12 0.95604 0.00057	7.42 0.93932 0.00054	7.42 0.96791 0.00054
8.19 0.96528 0.00057	7.48 0.94777 0.00056	7.49 0.97736 0.00054
8.26 0.97096 0.00057	7.50 0.94978 0.00054	7.56 0.98649 0.00056
8.47 0.99272 0.00059	7.52 0.95249 0.00057	7.63 0.99396 0.00054
8.54 0.99948 0.00059	7.54 0.95474 0.00053	7.70 1.00077 0.00054
8.61 1.00559 0.00058	7.56 0.95672 0.00056	7.77 1.01008 0.00056
8.68 1.01317 0.00058	7.58 0.95796 0.00055	7.84 1.01852 0.00055
8.89 1.03351 0.00058	7.64 0.96557 0.00055	7.91 1.02551 0.00054
8.96 1.03967 0.00061	7.66 0.96791 0.00055	7.98 1.03296 0.00055
9.03 1.04650 0.00059	7.68 0.96974 0.00056	8.05 1.04099 0.00057
9.10 1.05392 0.00058	7.72 0.97519 0.00057	8.12 1.04945 0.00057
9.17 1.05879 0.00060	7.74 0.97726 0.00054	8.19 1.05597 0.00057
9.20 1.06196 0.00058	7.76 0.97923 0.00056	8.26 1.06362 0.00058
	7.78 0.98171 0.00058	8.33 1.07135 0.00056
	7.80 0.98281 0.00054	8.40 1.07953 0.00059
	7.82 0.98524 0.00058	8.47 1.08660 0.00056
	7.84 0.98822 0.00055	8.50 1.09009 0.00059
	7.86 0.99078 0.00056	
	7.88 0.99293 0.00057	
	7.90 0.99449 0.00057	
	7.92 0.99709 0.00058	
	7.94 0.99905 0.00055	
	7.96 1.00056 0.00053	
	7.98 1.00357 0.00058	
	8.00 1.00615 0.00056	

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8000	9000	10000
6.80 0.91976 0.00050	6.42 0.92283 0.00050	6.04 0.91965 0.00047
6.82 0.92289 0.00052	6.44 0.92586 0.00051	6.06 0.92281 0.00045
6.84 0.92564 0.00055	6.46 0.92796 0.00051	6.08 0.92591 0.00047
6.86 0.92940 0.00052	6.48 0.93176 0.00050	6.10 0.92838 0.00046
6.88 0.93043 0.00051	6.50 0.93374 0.00049	6.12 0.93111 0.00047
6.90 0.93381 0.00052	6.52 0.93661 0.00050	6.14 0.93482 0.00047
6.92 0.93555 0.00052	6.54 0.93957 0.00050	6.16 0.93829 0.00048
6.94 0.93845 0.00051	6.56 0.94221 0.00051	6.18 0.94107 0.00049
6.96 0.94051 0.00053	6.58 0.94434 0.00051	6.20 0.94284 0.00047
6.98 0.94375 0.00053	6.60 0.94752 0.00049	6.22 0.94610 0.00049
7.00 0.94598 0.00052	6.62 0.95042 0.00052	6.24 0.94908 0.00050
7.02 0.94893 0.00053	6.64 0.95250 0.00050	6.26 0.95234 0.00048
7.04 0.95119 0.00054	6.66 0.95512 0.00050	6.28 0.95371 0.00048
7.06 0.95448 0.00053	6.68 0.95866 0.00051	6.30 0.95767 0.00049
7.08 0.95720 0.00052	6.70 0.96145 0.00050	6.32 0.96004 0.00048
7.10 0.95799 0.00054	6.72 0.96292 0.00052	6.34 0.96367 0.00048
7.12 0.96124 0.00052	6.74 0.96584 0.00052	6.36 0.96625 0.00048
7.14 0.96343 0.00053	6.76 0.96777 0.00053	6.38 0.96727 0.00047
7.16 0.96605 0.00052	6.78 0.97158 0.00050	6.40 0.97187 0.00049
7.18 0.96826 0.00053	6.80 0.97420 0.00052	6.42 0.97324 0.00050
7.20 0.96966 0.00052	6.82 0.97614 0.00052	6.44 0.97702 0.00048
7.22 0.97347 0.00052	6.84 0.97805 0.00050	6.46 0.97980 0.00049
7.24 0.97537 0.00053	6.86 0.98205 0.00053	6.48 0.98187 0.00051
7.26 0.97816 0.00053	6.88 0.98408 0.00053	6.50 0.98506 0.00049
7.28 0.97983 0.00051	6.90 0.98693 0.00051	6.52 0.98764 0.00050
7.30 0.98328 0.00054	6.92 0.98991 0.00053	6.54 0.99021 0.00050
7.32 0.98541 0.00055	6.94 0.99202 0.00052	6.56 0.99326 0.00050
7.34 0.98829 0.00054	6.96 0.99514 0.00053	6.58 0.99574 0.00049
7.36 0.99111 0.00055	6.98 0.99792 0.00052	6.60 0.99706 0.00050
7.38 0.99251 0.00051	7.00 1.00067 0.00054	6.62 1.00138 0.00051
7.44 1.00007 0.00052	7.02 1.00214 0.00052	6.64 1.00457 0.00049
7.46 1.00286 0.00054	7.04 1.00431 0.00052	6.66 1.00600 0.00051
7.48 1.00406 0.00054	7.06 1.00694 0.00052	6.68 1.01003 0.00050
	7.08 1.00989 0.00049	6.70 1.01243 0.00051
	7.10 1.01157 0.00055	6.72 1.01529 0.00050
		6.74 1.01696 0.00051
		6.76 1.01972 0.00052
		6.78 1.02387 0.00051
		6.80 1.02439 0.00050

15000	19600
4.60 0.91152 0.00042	3.70 0.91309 0.00039
4.65 0.92037 0.00041	3.72 0.91686 0.00039
4.70 0.92959 0.00042	3.76 0.92628 0.00039
4.75 0.93815 0.00042	3.78 0.93008 0.00040
4.80 0.94796 0.00041	3.80 0.93432 0.00040
4.85 0.95599 0.00043	3.86 0.94727 0.00039
4.90 0.96463 0.00041	3.88 0.95083 0.00039
4.95 0.97315 0.00043	3.90 0.95519 0.00039
5.00 0.98204 0.00042	3.92 0.96067 0.00040
5.05 0.99021 0.00044	3.94 0.96396 0.00040
5.10 0.99850 0.00043	3.96 0.96854 0.00041
5.15 1.00803 0.00045	4.02 0.98105 0.00041
5.20 1.01601 0.00043	4.04 0.98453 0.00042
5.35 1.04202 0.00046	4.06 0.98880 0.00041
5.40 1.04991 0.00045	4.08 0.99370 0.00041
5.45 1.05838 0.00046	4.10 0.99788 0.00041
5.50 1.06739 0.00046	4.12 1.00189 0.00042
5.55 1.07551 0.00045	4.18 1.01427 0.00042
5.60 1.08355 0.00047	4.20 1.01961 0.00041

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10	13	15
30.00 0.88719 0.00034	23.00 0.91210 0.00040	20.00 0.90869 0.00044
32.50 0.90505 0.00033	23.50 0.91800 0.00042	20.25 0.91311 0.00043
35.00 0.91995 0.00032	24.00 0.92712 0.00042	20.50 0.91814 0.00046
37.50 0.93155 0.00031	24.50 0.93341 0.00039	20.75 0.92263 0.00044
40.00 0.94212 0.00030	25.00 0.93852 0.00041	21.00 0.92761 0.00045
42.50 0.95085 0.00031	25.50 0.94504 0.00040	21.25 0.93315 0.00043
45.00 0.95920 0.00029	26.00 0.95101 0.00038	21.50 0.93764 0.00047
47.50 0.96694 0.00027	26.50 0.95660 0.00038	21.75 0.94080 0.00044
50.00 0.97174 0.00028	27.00 0.96166 0.00039	22.00 0.94459 0.00043
52.50 0.97642 0.00027	27.50 0.96610 0.00038	22.25 0.94922 0.00043
55.00 0.98195 0.00027	28.00 0.97331 0.00038	22.50 0.95399 0.00044
57.50 0.98588 0.00025	28.50 0.97775 0.00037	22.75 0.95686 0.00043
60.00 0.99002 0.00025	29.00 0.98140 0.00037	23.00 0.96278 0.00043
62.50 0.99377 0.00025	29.50 0.98671 0.00040	23.25 0.96507 0.00043
65.00 0.99644 0.00024	31.50 1.00310 0.00036	23.50 0.96976 0.00043
67.50 0.99898 0.00025	32.00 1.00607 0.00036	23.75 0.97366 0.00043
70.00 1.00099 0.00025	32.50 1.01023 0.00038	24.00 0.97677 0.00043
72.50 1.00299 0.00023	33.00 1.01349 0.00037	24.25 0.98047 0.00045
75.00 1.00462 0.00025		24.50 0.98363 0.00042
77.50 1.00657 0.00022		24.75 0.98736 0.00043
80.00 1.00913 0.00023		25.00 0.99034 0.00042
82.50 1.00999 0.00022		25.25 0.99279 0.00042
85.00 1.01109 0.00023		25.50 0.99629 0.00043
87.50 1.01207 0.00023		25.75 1.00049 0.00043
90.00 1.01413 0.00023		26.75 1.01087 0.00042
92.50 1.01516 0.00022		27.00 1.01426 0.00042
95.00 1.01527 0.00022		

18	20	22
18.00 0.91765 0.00050	17.00 0.91993 0.00050	16.50 0.92878 0.00053
18.25 0.92353 0.00050	17.20 0.92529 0.00053	16.75 0.93720 0.00052
18.50 0.93151 0.00048	17.40 0.93047 0.00052	17.00 0.94433 0.00054
18.75 0.93696 0.00047	17.60 0.93680 0.00052	17.25 0.95233 0.00054
19.00 0.94256 0.00049	17.80 0.94239 0.00049	17.50 0.95849 0.00052
19.25 0.94825 0.00049	18.00 0.94786 0.00052	18.25 0.97980 0.00052
19.50 0.95308 0.00047	18.20 0.95328 0.00050	18.50 0.98582 0.00050
19.75 0.96015 0.00048	18.40 0.95871 0.00051	18.75 0.99227 0.00052
20.00 0.96534 0.00049	18.60 0.96289 0.00051	19.00 0.99777 0.00053
20.25 0.97024 0.00048	18.80 0.96787 0.00051	19.25 1.00475 0.00052
20.50 0.97636 0.00048	19.00 0.97352 0.00049	19.50 1.00967 0.00052
20.75 0.98082 0.00048	19.20 0.97751 0.00052	19.75 1.01600 0.00052
21.00 0.98649 0.00046	19.40 0.98231 0.00052	20.00 1.02253 0.00051
21.25 0.98968 0.00049	19.60 0.98782 0.00049	20.25 1.02786 0.00051
21.50 0.99530 0.00047	19.80 0.99091 0.00051	20.50 1.03277 0.00051
21.75 0.99891 0.00046	20.00 0.99547 0.00049	20.75 1.03826 0.00051
22.00 1.00378 0.00046	20.20 1.00061 0.00050	21.00 1.04335 0.00051
22.25 1.00813 0.00045	20.40 1.00559 0.00048	
22.50 1.01320 0.00046	20.60 1.00900 0.00050	
22.75 1.01770 0.00045	20.80 1.01330 0.00048	
23.00 1.02106 0.00048		

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24	25	26
15.00 0.89934 0.00056	15.00 0.90784 0.00054	15.00 0.91710 0.00055
15.25 0.90691 0.00056	15.20 0.91450 0.00056	15.20 0.92399 0.00056
16.00 0.93408 0.00055	15.40 0.92122 0.00053	15.40 0.93093 0.00056
16.25 0.94314 0.00053	15.60 0.92861 0.00053	16.00 0.95281 0.00053
16.50 0.95017 0.00055	15.80 0.93566 0.00056	16.20 0.95928 0.00056
17.00 0.96492 0.00054	16.00 0.94266 0.00055	16.40 0.96606 0.00056
17.25 0.97217 0.00052	16.20 0.94961 0.00055	16.60 0.97158 0.00054
17.75 0.98910 0.00055	16.40 0.95758 0.00053	16.80 0.97843 0.00054
18.00 0.99474 0.00055	16.60 0.96290 0.00052	17.00 0.98427 0.00056
18.25 1.00080 0.00052	16.80 0.96976 0.00054	17.20 0.99111 0.00054
18.50 1.00831 0.00053	17.00 0.97517 0.00055	17.40 0.99568 0.00056
18.75 1.01400 0.00053	17.20 0.98295 0.00056	17.60 1.00219 0.00055
19.00 1.02078 0.00053	17.40 0.98762 0.00054	17.80 1.00823 0.00056
19.25 1.02764 0.00052	17.60 0.99369 0.00056	18.00 1.01314 0.00055
19.50 1.03158 0.00054	17.80 0.99916 0.00054	18.20 1.01987 0.00054
19.75 1.03900 0.00052	18.00 1.00401 0.00054	18.40 1.02413 0.00053
20.00 1.04286 0.00052	18.80 1.02646 0.00054	18.60 1.02899 0.00055
	19.00 1.03144 0.00057	18.80 1.03497 0.00054
		19.00 1.04103 0.00056

28	30	32
14.00 0.89061 0.00058	14.00 0.90558 0.00060	14.00 0.91539 0.00061
14.20 0.89886 0.00056	14.20 0.91224 0.00059	14.20 0.92482 0.00062
14.40 0.90716 0.00056	14.40 0.92291 0.00059	14.40 0.93301 0.00059
14.60 0.91642 0.00057	14.60 0.92897 0.00060	14.60 0.94294 0.00059
14.80 0.92440 0.00059	14.80 0.93754 0.00058	14.80 0.94877 0.00060
15.00 0.93120 0.00059	15.00 0.94546 0.00058	15.00 0.95775 0.00058
15.20 0.93829 0.00057	15.20 0.95301 0.00059	15.20 0.96535 0.00056
15.40 0.94614 0.00057	15.40 0.95985 0.00058	15.40 0.97303 0.00058
15.60 0.95486 0.00055	15.60 0.96703 0.00058	15.60 0.97998 0.00060
15.80 0.96147 0.00058	15.80 0.97447 0.00059	15.80 0.98641 0.00057
16.00 0.96745 0.00056	16.00 0.98094 0.00057	16.00 0.99441 0.00059
16.20 0.97534 0.00056	16.20 0.98927 0.00057	16.20 1.00007 0.00058
16.40 0.98149 0.00056	16.40 0.99482 0.00058	16.40 1.00782 0.00060
16.60 0.98797 0.00060	16.60 1.00302 0.00056	17.40 1.03900 0.00058
16.80 0.99447 0.00058	16.80 1.00810 0.00057	17.60 1.04498 0.00060
17.00 1.00144 0.00056	17.00 1.01444 0.00059	17.80 1.05250 0.00058
17.20 1.00717 0.00057	17.20 1.02183 0.00058	18.00 1.05677 0.00054
17.40 1.01261 0.00058	17.40 1.02750 0.00057	
17.60 1.01915 0.00058	17.60 1.03317 0.00056	
17.80 1.02467 0.00056	17.80 1.03802 0.00058	
18.00 1.02996 0.00055	18.00 1.04432 0.00058	
18.20 1.03583 0.00055		
18.40 1.04107 0.00054		
18.60 1.04663 0.00054		
18.80 1.05123 0.00056		
19.00 1.05757 0.00057		

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36	40	45
14.10 0.94128 0.00062	13.00 0.90598 0.00062	12.00 0.86919 0.00063
14.30 0.94978 0.00060	13.20 0.91561 0.00061	12.20 0.87989 0.00061
14.50 0.95657 0.00063	13.40 0.92491 0.00063	13.00 0.92016 0.00062
14.70 0.96496 0.00059	13.60 0.93386 0.00062	13.20 0.93127 0.00064
14.90 0.97352 0.00061	13.80 0.94345 0.00059	13.40 0.93950 0.00064
15.10 0.98204 0.00063	14.00 0.95234 0.00060	13.60 0.94977 0.00064
15.30 0.98968 0.00062	14.20 0.96015 0.00063	14.40 0.98404 0.00062
15.50 0.99625 0.00059	14.40 0.97038 0.00061	14.60 0.99430 0.00064
15.70 1.00529 0.00060	14.60 0.97794 0.00061	14.80 0.99894 0.00063
15.90 1.01051 0.00061	14.80 0.98670 0.00061	15.00 1.00969 0.00062
16.10 1.01892 0.00059	15.00 0.99340 0.00063	15.20 1.01718 0.00064
16.30 1.02551 0.00060	15.20 1.00243 0.00059	15.40 1.02646 0.00062
16.50 1.03181 0.00060	15.40 1.00886 0.00063	15.60 1.03376 0.00062
16.70 1.03970 0.00060	15.60 1.01632 0.00063	15.80 1.03921 0.00063
	15.80 1.02479 0.00062	16.00 1.04678 0.00061
	16.00 1.03192 0.00061	16.20 1.05533 0.00061
	16.20 1.03821 0.00061	16.40 1.06031 0.00066
	16.80 1.05814 0.00063	16.60 1.06703 0.00062
	17.00 1.06355 0.00065	16.80 1.07502 0.00063
		17.00 1.08180 0.00064

50	75	100
12.40 0.90242 0.00066	12.00 0.91019 0.00066	12.00 0.92093 0.00068
12.60 0.91214 0.00061	12.20 0.92283 0.00068	12.20 0.93187 0.00069
12.80 0.92231 0.00063	12.40 0.93333 0.00067	12.40 0.94185 0.00068
13.00 0.93264 0.00061	12.60 0.94334 0.00069	12.60 0.95335 0.00071
13.20 0.94230 0.00065	12.80 0.95356 0.00069	12.80 0.96358 0.00067
13.40 0.95251 0.00067	13.00 0.96298 0.00066	13.00 0.97324 0.00068
14.00 0.97945 0.00064	13.20 0.97268 0.00069	13.20 0.98308 0.00070
14.20 0.98811 0.00061	13.40 0.98233 0.00069	13.40 0.99060 0.00068
14.40 0.99610 0.00064	13.60 0.99125 0.00066	13.60 1.00046 0.00069
14.60 1.00661 0.00066	13.80 1.00096 0.00068	13.80 1.01098 0.00070
14.80 1.01416 0.00064	14.00 1.01075 0.00067	14.00 1.01981 0.00072
15.00 1.02090 0.00063	14.20 1.02001 0.00068	14.20 1.02808 0.00070
15.20 1.02922 0.00064	14.40 1.02769 0.00065	14.40 1.03636 0.00069
15.40 1.03869 0.00062	14.60 1.03540 0.00071	14.60 1.04440 0.00067
15.60 1.04360 0.00065	14.80 1.04456 0.00068	14.80 1.05291 0.00068
15.80 1.05209 0.00064	15.00 1.05144 0.00068	15.00 1.05966 0.00069
16.00 1.05846 0.00064	15.20 1.05937 0.00066	
16.10 1.06357 0.00067		

150	200	350
11.90 0.91866 0.00072	12.00 0.91940 0.00069	12.20 0.91878 0.00070
12.10 0.92945 0.00068	12.10 0.92368 0.00069	12.80 0.94807 0.00070
12.30 0.93911 0.00067	12.20 0.92994 0.00072	13.40 0.97257 0.00070
12.50 0.95033 0.00072	12.30 0.93557 0.00068	13.60 0.98221 0.00068
12.70 0.95956 0.00068	12.40 0.93917 0.00072	13.80 0.98794 0.00069
12.90 0.96928 0.00071	12.50 0.94504 0.00065	14.00 0.99768 0.00069
13.10 0.97815 0.00068	12.60 0.94920 0.00071	14.80 1.02763 0.00070
13.30 0.98852 0.00070	12.70 0.95445 0.00069	15.00 1.03496 0.00068
13.50 0.99696 0.00068	12.80 0.95951 0.00067	15.20 1.04253 0.00069
13.70 1.00575 0.00067	12.90 0.96434 0.00071	15.40 1.04944 0.00071

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13.90	1.01517	0.00070	13.00	0.96868	0.00069	15.60	1.05787	0.00070
14.10	1.02279	0.00067	13.10	0.97219	0.00068	15.80	1.06307	0.00071
14.30	1.03116	0.00072	13.20	0.97857	0.00069	16.00	1.06995	0.00070
14.50	1.03850	0.00069	13.30	0.98326	0.00068			
14.70	1.04832	0.00068	13.40	0.98688	0.00070			
14.90	1.05457	0.00071	13.50	0.99035	0.00072			
15.00	1.06001	0.00069	13.60	0.99595	0.00069			
			13.70	0.99988	0.00073			
			13.80	1.00509	0.00069			
			13.90	1.00804	0.00068			
			14.00	1.01272	0.00071			

500	750	1000						
12.00	0.90811	0.00071	12.00	0.91273	0.00069	11.90	0.92475	0.00067
12.20	0.91568	0.00065	12.60	0.94245	0.00067	12.10	0.93432	0.00064
12.40	0.92541	0.00067	12.80	0.95233	0.00067	12.30	0.94431	0.00065
12.60	0.93533	0.00068	13.00	0.95921	0.00065	12.50	0.95241	0.00066
12.80	0.94311	0.00067	13.20	0.96767	0.00064	12.70	0.96118	0.00066
13.00	0.95242	0.00068	13.40	0.97521	0.00068	12.90	0.96916	0.00067
13.20	0.96061	0.00069	13.60	0.98489	0.00067	13.10	0.97892	0.00066
13.40	0.97003	0.00067	13.80	0.99268	0.00068	13.30	0.98834	0.00064
13.60	0.97721	0.00067	14.00	0.99918	0.00070	13.50	0.99516	0.00069
13.80	0.98550	0.00070	14.20	1.00752	0.00067	13.70	1.00376	0.00066
14.00	0.99402	0.00066	14.40	1.01508	0.00068	13.90	1.01212	0.00066
14.20	1.00141	0.00068	14.60	1.02236	0.00067	14.10	1.01893	0.00066
15.00	1.02935	0.00067	14.80	1.02967	0.00066	14.30	1.02666	0.00065
15.20	1.03733	0.00070				14.90	1.04765	0.00066
15.40	1.04335	0.00070				15.00	1.05053	0.00067
15.60	1.05103	0.00068						
15.80	1.05748	0.00066						
16.00	1.06282	0.00067						

1500	2000	2500						
11.00	0.91905	0.00066	10.40	0.92871	0.00064	9.57	0.91842	0.00061
11.10	0.92395	0.00065	10.47	0.93330	0.00061	9.64	0.92442	0.00063
11.20	0.92965	0.00065	10.54	0.93763	0.00067	9.71	0.92738	0.00063
11.30	0.93557	0.00065	10.61	0.94229	0.00065	9.78	0.93243	0.00063
11.40	0.94185	0.00065	10.68	0.94487	0.00063	9.85	0.93852	0.00063
11.50	0.94636	0.00065	10.75	0.95002	0.00064	9.92	0.94255	0.00063
11.60	0.95004	0.00064	10.82	0.95303	0.00065	9.99	0.94714	0.00061
11.70	0.95681	0.00065	10.89	0.95696	0.00064	10.06	0.95049	0.00064
11.80	0.96016	0.00064	10.96	0.96183	0.00063	10.13	0.95525	0.00064
11.90	0.96541	0.00066	11.03	0.96490	0.00061	10.20	0.96013	0.00065
12.00	0.96987	0.00066	11.10	0.96873	0.00064	10.27	0.96464	0.00064
12.10	0.97456	0.00065	11.17	0.97336	0.00063	10.34	0.96929	0.00065
12.20	0.97972	0.00068	11.24	0.97656	0.00065	10.41	0.97381	0.00066
12.30	0.98376	0.00062	11.31	0.98119	0.00065	10.48	0.97755	0.00063
12.40	0.98871	0.00066	11.38	0.98482	0.00064	10.55	0.98216	0.00064
12.50	0.99418	0.00066	11.45	0.98735	0.00063	10.62	0.98676	0.00063
12.60	0.99990	0.00063	11.52	0.99216	0.00064	10.69	0.99006	0.00064
12.70	1.00442	0.00065	11.59	0.99616	0.00064	10.76	0.99352	0.00064
12.80	1.00890	0.00067	11.66	0.99942	0.00064	10.83	0.99899	0.00063
12.90	1.01290	0.00063	11.73	1.00283	0.00062	10.90	1.00313	0.00063
13.00	1.01620	0.00066	11.80	1.00571	0.00066	10.97	1.00750	0.00063
13.10	1.02053	0.00065						
13.20	1.02367	0.00064						

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3000	4000	5000
9.00 0.91881 0.00063	8.00 0.91296 0.00061	7.40 0.92235 0.00060
9.10 0.92716 0.00065	8.10 0.92237 0.00061	7.45 0.92716 0.00061
9.20 0.93440 0.00062	8.20 0.93053 0.00060	7.50 0.93217 0.00060
9.30 0.94205 0.00064	8.30 0.93836 0.00063	7.55 0.93756 0.00059
9.40 0.94883 0.00065	8.60 0.96495 0.00063	7.60 0.94179 0.00063
9.50 0.95547 0.00062	9.00 0.99624 0.00062	7.65 0.94761 0.00062
9.60 0.96243 0.00061	9.10 1.00388 0.00061	7.70 0.95319 0.00060
9.70 0.96956 0.00063	9.20 1.01206 0.00063	7.75 0.95660 0.00061
9.80 0.97660 0.00064	9.30 1.01938 0.00064	7.80 0.96151 0.00060
9.90 0.98354 0.00065	9.40 1.02762 0.00061	7.85 0.96721 0.00061
10.40 1.01595 0.00063	9.50 1.03595 0.00062	7.90 0.97119 0.00062
10.50 1.02241 0.00064	9.60 1.04198 0.00063	7.95 0.97580 0.00061
10.60 1.02791 0.00062	9.70 1.05033 0.00061	8.00 0.98070 0.00063
10.70 1.03467 0.00061	9.80 1.05722 0.00063	8.05 0.98558 0.00062
10.80 1.04108 0.00063		8.10 0.99070 0.00064
10.90 1.04670 0.00062		8.15 0.99521 0.00062
11.00 1.05440 0.00063		8.20 0.99982 0.00061
		8.25 1.00316 0.00061
		8.30 1.00938 0.00062

6000	7000	7500
6.80 0.91971 0.00058	6.30 0.91546 0.00058	6.15 0.92187 0.00057
6.85 0.92542 0.00058	6.35 0.92154 0.00057	6.20 0.92748 0.00056
6.90 0.92994 0.00062	6.40 0.92806 0.00057	6.25 0.93622 0.00058
6.95 0.93623 0.00061	6.45 0.93471 0.00060	6.30 0.94175 0.00056
7.00 0.94174 0.00060	6.50 0.94051 0.00057	6.35 0.94673 0.00060
7.05 0.94666 0.00062	6.55 0.94553 0.00060	6.40 0.95338 0.00060
7.10 0.95252 0.00060	6.60 0.95144 0.00057	6.45 0.96063 0.00056
7.30 0.97438 0.00060	6.65 0.95765 0.00059	6.50 0.96571 0.00058
7.35 0.98033 0.00060	6.70 0.96381 0.00058	6.55 0.97171 0.00058
7.40 0.98388 0.00061	6.75 0.96967 0.00059	6.75 0.99666 0.00057
7.45 0.99013 0.00058	6.80 0.97581 0.00060	6.80 1.00289 0.00061
7.50 0.99558 0.00058	6.85 0.98190 0.00059	6.85 1.00769 0.00062
7.55 1.00044 0.00061	6.90 0.98679 0.00057	6.90 1.01418 0.00058
7.60 1.00485 0.00061	6.95 0.99214 0.00058	6.95 1.01960 0.00060
7.65 1.01006 0.00062	7.00 0.99820 0.00059	7.00 1.02590 0.00060
7.70 1.01582 0.00061	7.05 1.00508 0.00057	7.05 1.03263 0.00059
7.75 1.01947 0.00062	7.10 1.00953 0.00061	7.10 1.03726 0.00060
7.80 1.02550 0.00060	7.15 1.01584 0.00060	7.15 1.04366 0.00058
7.85 1.03100 0.00060	7.20 1.02232 0.00061	7.20 1.04895 0.00061
7.90 1.03541 0.00061	7.25 1.02689 0.00059	
7.95 1.04032 0.00062	7.30 1.03169 0.00062	
8.00 1.04490 0.00063	7.35 1.03863 0.00062	

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8000	9000	10000
6.00 0.92896 0.00057	5.60 0.92141 0.00055	5.20 0.90683 0.00053
6.05 0.93465 0.00057	5.67 0.93179 0.00055	5.25 0.91486 0.00056
6.10 0.94085 0.00057	5.74 0.94123 0.00057	5.30 0.92206 0.00052
6.15 0.94731 0.00058	5.81 0.95132 0.00057	5.35 0.93011 0.00054
6.20 0.95383 0.00056	5.88 0.96032 0.00055	5.40 0.93712 0.00053
6.25 0.96013 0.00056	5.95 0.96892 0.00056	5.45 0.94573 0.00053
6.30 0.96610 0.00059	6.02 0.97955 0.00056	5.50 0.95220 0.00058
6.35 0.97446 0.00060	6.23 1.00727 0.00058	5.55 0.95996 0.00057
6.40 0.98014 0.00059	6.58 1.05358 0.00060	5.60 0.96733 0.00055
6.45 0.98678 0.00058	6.65 1.06162 0.00060	5.65 0.97403 0.00057
6.50 0.99221 0.00058	6.72 1.06983 0.00059	5.70 0.98079 0.00056
6.55 0.99779 0.00057	6.79 1.07901 0.00059	5.75 0.98776 0.00055
6.60 1.00464 0.00058	6.86 1.08744 0.00060	5.80 0.99602 0.00056
6.65 1.01126 0.00059	6.93 1.09593 0.00061	5.85 1.00348 0.00056
6.70 1.01670 0.00059	7.00 1.10429 0.00058	5.90 1.00888 0.00057
6.75 1.02299 0.00059		5.95 1.01563 0.00056
6.80 1.02909 0.00060		6.00 1.02316 0.00057
7.00 1.05320 0.00059		6.15 1.04450 0.00057
		6.20 1.05195 0.00055
		6.25 1.05905 0.00056

15000	19600
4.10 0.91698 0.00047	3.30 0.90386 0.00042
4.12 0.92102 0.00049	3.34 0.91242 0.00045
4.14 0.92405 0.00047	3.36 0.91773 0.00044
4.16 0.92774 0.00047	3.38 0.92284 0.00045
4.22 0.94002 0.00048	3.40 0.92821 0.00043
4.24 0.94486 0.00048	3.42 0.93279 0.00045
4.26 0.94678 0.00048	3.44 0.93672 0.00045
4.28 0.95049 0.00050	3.46 0.94155 0.00045
4.30 0.95410 0.00049	3.48 0.94596 0.00045
4.32 0.95876 0.00049	3.50 0.95045 0.00046
4.34 0.96286 0.00049	3.52 0.95494 0.00044
4.36 0.96595 0.00050	3.54 0.96007 0.00045
4.38 0.96989 0.00050	3.56 0.96438 0.00047
4.40 0.97384 0.00048	3.58 0.96875 0.00045
4.42 0.97713 0.00051	3.60 0.97404 0.00048
4.44 0.98050 0.00051	3.62 0.97828 0.00048
4.46 0.98442 0.00052	3.64 0.98286 0.00046
4.48 0.98837 0.00050	3.66 0.98758 0.00047
4.56 1.00305 0.00051	3.68 0.99137 0.00047
4.58 1.00665 0.00049	3.70 0.99675 0.00048
4.60 1.01118 0.00050	3.72 1.00115 0.00048
	3.74 1.00643 0.00049
	3.76 1.01025 0.00047
	3.78 1.01502 0.00047
	3.80 1.01916 0.00048

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10	13	15
30.00 0.89481 0.00032	23.00 0.92754 0.00037	20.00 0.92890 0.00044
45.00 0.96269 0.00028	23.25 0.93105 0.00039	20.25 0.93395 0.00043
47.50 0.96927 0.00029	23.50 0.93382 0.00037	20.50 0.93848 0.00042
50.00 0.97514 0.00027	23.75 0.93748 0.00040	20.75 0.94347 0.00041
52.50 0.97856 0.00026	24.00 0.94001 0.00038	21.00 0.94651 0.00042
55.00 0.98404 0.00026	24.25 0.94392 0.00038	21.25 0.95139 0.00044
57.50 0.98827 0.00025	24.50 0.94556 0.00037	21.50 0.95589 0.00043
60.00 0.99123 0.00025	24.75 0.94929 0.00040	21.75 0.95964 0.00042
62.50 0.99448 0.00025	25.00 0.95251 0.00039	22.00 0.96253 0.00042
65.00 0.99828 0.00023	25.25 0.95557 0.00037	22.25 0.96713 0.00042
67.50 0.99982 0.00024	25.50 0.95823 0.00039	22.50 0.97077 0.00041
70.00 1.00147 0.00023	26.75 0.97082 0.00038	22.75 0.97542 0.00040
72.50 1.00390 0.00023	27.00 0.97456 0.00037	23.75 0.98948 0.00042
75.00 1.00666 0.00023	27.25 0.97569 0.00037	24.00 0.99137 0.00041
77.50 1.00723 0.00023	27.50 0.97915 0.00036	24.25 0.99420 0.00042
80.00 1.00895 0.00023	27.75 0.98087 0.00037	24.50 0.99855 0.00041
82.50 1.01145 0.00022	28.50 0.98685 0.00037	24.75 1.00256 0.00041
85.00 1.01216 0.00023	28.75 0.98954 0.00038	25.00 1.00459 0.00040
87.50 1.01345 0.00021	29.00 0.99213 0.00036	25.25 1.00768 0.00041
90.00 1.01393 0.00022	29.25 0.99334 0.00037	25.50 1.01005 0.00040
92.50 1.01486 0.00022	29.50 0.99568 0.00036	25.75 1.01350 0.00042
105.00 1.02011 0.00021	29.75 0.99770 0.00037	26.00 1.01494 0.00038
107.50 1.01990 0.00022	30.00 0.99891 0.00037	26.25 1.01866 0.00039
110.00 1.02132 0.00021	30.25 1.00269 0.00037	26.50 1.02162 0.00039
	30.50 1.00319 0.00036	26.75 1.02356 0.00040
	30.75 1.00561 0.00036	27.00 1.02630 0.00039
	31.00 1.00737 0.00036	

18	20	22
17.75 0.94060 0.00046	16.40 0.93457 0.00047	15.00 0.91745 0.00051
18.00 0.94627 0.00047	16.60 0.94130 0.00048	15.25 0.92655 0.00052
18.25 0.95221 0.00045	16.80 0.94653 0.00048	15.50 0.93351 0.00051
18.50 0.95723 0.00046	17.00 0.95066 0.00048	15.75 0.94095 0.00050
18.75 0.96236 0.00043	17.80 0.97192 0.00050	16.00 0.94908 0.00050
19.00 0.96728 0.00047	18.00 0.97555 0.00048	16.25 0.95612 0.00049
19.25 0.97335 0.00045	18.20 0.98152 0.00049	16.50 0.96347 0.00051
19.50 0.97838 0.00045	18.40 0.98545 0.00047	16.75 0.96973 0.00049
19.75 0.98396 0.00047	18.60 0.99037 0.00048	17.00 0.97694 0.00048
20.00 0.98821 0.00046	18.80 0.99521 0.00047	17.25 0.98284 0.00050
20.25 0.99242 0.00043	19.00 0.99955 0.00048	17.50 0.99042 0.00051
20.50 0.99795 0.00045	19.20 1.00300 0.00047	17.75 0.99668 0.00049
20.75 1.00227 0.00045	19.40 1.00815 0.00049	18.00 1.00278 0.00049
21.00 1.00742 0.00043	19.60 1.01102 0.00047	18.25 1.00871 0.00048
21.25 1.01044 0.00042	19.80 1.01578 0.00047	18.50 1.01441 0.00047
21.50 1.01485 0.00045	20.00 1.01910 0.00046	18.75 1.02097 0.00050
21.75 1.01948 0.00043		19.00 1.02564 0.00049
		19.25 1.03221 0.00048
		19.50 1.03736 0.00049
		19.75 1.04210 0.00049
		20.00 1.04698 0.00048

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24	25	26
14.00 0.90336 0.00051	14.00 0.91337 0.00054	14.00 0.92164 0.00054
14.20 0.91191 0.00051	14.20 0.92086 0.00051	14.20 0.92844 0.00053
14.40 0.91665 0.00052	14.40 0.92717 0.00053	14.40 0.93788 0.00052
15.20 0.94412 0.00053	14.60 0.93605 0.00054	14.60 0.94382 0.00053
15.40 0.95230 0.00052	14.80 0.94162 0.00055	14.80 0.95125 0.00055
15.60 0.95874 0.00052	15.00 0.94913 0.00053	15.00 0.95749 0.00054
15.80 0.96588 0.00051	15.20 0.95436 0.00052	15.20 0.96415 0.00053
16.00 0.97105 0.00053	15.40 0.96228 0.00052	15.40 0.97090 0.00055
16.20 0.97616 0.00051	15.60 0.96900 0.00051	15.60 0.97811 0.00051
16.40 0.98287 0.00050	15.80 0.97480 0.00051	15.80 0.98322 0.00054
16.60 0.98915 0.00052	16.00 0.98020 0.00049	16.00 0.98946 0.00055
16.80 0.99354 0.00051	16.20 0.98657 0.00052	17.00 1.01926 0.00052
17.00 0.99914 0.00051	16.40 0.99336 0.00053	17.20 1.02482 0.00052
17.20 1.00497 0.00051	16.60 0.99798 0.00053	17.40 1.02944 0.00052
17.80 1.02062 0.00050	16.80 1.00400 0.00052	17.80 1.03971 0.00053
18.00 1.02508 0.00049	17.00 1.00897 0.00050	
18.20 1.03033 0.00050	17.20 1.01483 0.00052	
18.40 1.03495 0.00052	17.40 1.02038 0.00049	
	17.60 1.02547 0.00050	
	17.80 1.03084 0.00051	
	18.00 1.03523 0.00052	
	18.10 1.03801 0.00050	

28	30	32
13.40 0.91479 0.00055	13.00 0.91129 0.00056	13.00 0.92498 0.00056
13.60 0.92249 0.00054	13.20 0.92125 0.00055	13.20 0.93283 0.00058
13.80 0.93080 0.00055	13.40 0.92823 0.00055	13.40 0.94238 0.00058
14.00 0.93775 0.00053	13.60 0.93687 0.00056	13.60 0.95054 0.00054
14.20 0.94626 0.00053	13.80 0.94523 0.00055	13.80 0.95781 0.00055
14.40 0.95356 0.00053	14.00 0.95258 0.00055	14.00 0.96583 0.00055
14.60 0.95867 0.00057	14.20 0.96081 0.00053	15.00 1.00236 0.00055
14.80 0.96732 0.00053	14.40 0.96730 0.00055	15.20 1.00856 0.00054
15.00 0.97449 0.00055	14.80 0.98090 0.00055	15.40 1.01444 0.00055
15.20 0.98042 0.00055	15.00 0.98819 0.00053	15.60 1.02233 0.00056
15.40 0.98794 0.00055	15.20 0.99661 0.00056	15.80 1.02850 0.00053
15.60 0.99384 0.00053	15.40 1.00247 0.00055	16.00 1.03493 0.00056
15.80 1.00035 0.00052	16.00 1.02123 0.00053	16.20 1.04190 0.00055
16.00 1.00796 0.00053	16.20 1.02690 0.00055	16.40 1.04622 0.00053
17.00 1.03694 0.00055	16.40 1.03401 0.00055	16.60 1.05198 0.00052
17.20 1.04040 0.00053	16.60 1.03939 0.00056	16.80 1.05815 0.00055
17.40 1.04727 0.00052	16.80 1.04502 0.00054	17.00 1.06525 0.00056
17.60 1.05186 0.00052	17.00 1.05057 0.00055	
17.80 1.05713 0.00052		
18.00 1.06290 0.00053		

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36	40	45
12.00 0.90102 0.00057	12.00 0.91667 0.00057	12.00 0.93295 0.00058
12.20 0.90853 0.00056	12.20 0.92668 0.00059	12.10 0.93701 0.00061
12.40 0.91811 0.00055	12.40 0.93492 0.00058	12.20 0.94209 0.00061
12.60 0.92765 0.00057	12.60 0.94462 0.00061	12.30 0.94698 0.00059
12.80 0.93692 0.00059	13.20 0.97077 0.00059	12.40 0.95224 0.00061
13.00 0.94590 0.00058	13.40 0.98000 0.00059	12.50 0.95794 0.00060
13.20 0.95427 0.00058	13.60 0.98660 0.00056	12.60 0.96124 0.00061
13.40 0.96218 0.00055	13.80 0.99601 0.00057	12.70 0.96649 0.00061
13.60 0.97057 0.00059	14.00 1.00324 0.00061	12.80 0.96939 0.00061
13.80 0.97775 0.00058	14.20 1.01101 0.00057	12.90 0.97621 0.00059
14.00 0.98651 0.00059	14.40 1.01845 0.00057	13.00 0.97835 0.00061
14.20 0.99340 0.00059	14.60 1.02630 0.00060	13.40 0.99588 0.00061
15.00 1.02238 0.00055	14.80 1.03390 0.00060	13.50 0.99992 0.00059
15.20 1.03049 0.00056	15.00 1.04074 0.00058	13.60 1.00286 0.00057
15.40 1.03677 0.00056		13.70 1.00842 0.00061
15.60 1.04366 0.00057		13.80 1.01209 0.00057
15.80 1.04902 0.00056		13.90 1.01724 0.00059
16.00 1.05628 0.00059		14.00 1.01953 0.00059
		14.10 1.02381 0.00059
		14.20 1.02782 0.00063
		14.30 1.03291 0.00058
		14.40 1.03456 0.00061
		14.50 1.03905 0.00058

50	75	100
11.00 0.89457 0.00061	11.00 0.92967 0.00061	10.70 0.92692 0.00065
11.20 0.90443 0.00060	11.10 0.93518 0.00060	10.80 0.93211 0.00067
11.40 0.91559 0.00062	11.20 0.94097 0.00063	10.90 0.93747 0.00062
11.60 0.92625 0.00060	11.30 0.94532 0.00061	11.00 0.94310 0.00063
11.80 0.93569 0.00058	11.70 0.96712 0.00062	11.10 0.95058 0.00065
12.00 0.94656 0.00057	11.80 0.97288 0.00063	11.20 0.95393 0.00065
12.20 0.95696 0.00061	11.90 0.97713 0.00065	11.30 0.95942 0.00066
12.40 0.96556 0.00060	12.30 0.99594 0.00061	11.40 0.96356 0.00064
12.60 0.97436 0.00060	12.40 1.00000 0.00063	11.50 0.96982 0.00064
12.80 0.98264 0.00062	12.50 1.00587 0.00062	11.60 0.97530 0.00060
13.00 0.99312 0.00063	12.60 1.00994 0.00064	11.70 0.97935 0.00065
13.20 1.00054 0.00061	12.70 1.01359 0.00061	11.80 0.98330 0.00064
14.20 1.04068 0.00059	12.80 1.01804 0.00064	11.90 0.98786 0.00064
14.40 1.04870 0.00061	12.90 1.02368 0.00061	12.00 0.99455 0.00065
14.60 1.05661 0.00061	13.00 1.02649 0.00063	12.10 0.99854 0.00063
14.80 1.06463 0.00060	13.10 1.03204 0.00064	12.20 1.00343 0.00066
15.00 1.06977 0.00061		12.30 1.00885 0.00066
		12.40 1.01321 0.00064
		12.90 1.03558 0.00065
		13.00 1.03913 0.00066

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150	200	350
10.50 0.92461 0.00066	10.60 0.92870 0.00064	10.60 0.92396 0.00065
10.60 0.93008 0.00065	10.70 0.93326 0.00065	10.70 0.92972 0.00065
10.70 0.93472 0.00066	10.80 0.93921 0.00067	10.80 0.93442 0.00065
10.80 0.93908 0.00066	10.90 0.94509 0.00062	10.90 0.93842 0.00066
10.90 0.94581 0.00067	11.00 0.94945 0.00069	11.00 0.94401 0.00062
11.00 0.95138 0.00064	11.50 0.97408 0.00066	11.10 0.94825 0.00065
11.10 0.95602 0.00065	11.60 0.97892 0.00064	11.50 0.96616 0.00067
11.20 0.96019 0.00066	11.70 0.98422 0.00066	11.60 0.97047 0.00064
11.30 0.96558 0.00064	11.80 0.98760 0.00065	11.70 0.97671 0.00067
11.40 0.97067 0.00067	11.90 0.99196 0.00067	11.80 0.98038 0.00064
11.50 0.97553 0.00067	12.00 0.99766 0.00063	11.90 0.98398 0.00066
11.60 0.98008 0.00065	12.10 1.00158 0.00065	12.00 0.98776 0.00066
11.70 0.98590 0.00065	12.20 1.00596 0.00066	12.10 0.99220 0.00065
12.20 1.00839 0.00064	12.30 1.01062 0.00064	12.20 0.99706 0.00064
12.30 1.01169 0.00064	12.40 1.01311 0.00067	12.30 1.00269 0.00064
12.40 1.01722 0.00066	12.50 1.01847 0.00065	12.40 1.00425 0.00067
12.50 1.02073 0.00064	12.60 1.02264 0.00067	12.50 1.00783 0.00064
12.60 1.02687 0.00066	12.70 1.02807 0.00066	12.60 1.01156 0.00065
12.70 1.02956 0.00067	12.80 1.03020 0.00066	
12.80 1.03442 0.00067	12.90 1.03458 0.00064	
12.90 1.03802 0.00065	13.00 1.03841 0.00066	
13.00 1.04246 0.00064		

500	750	1000
10.00 0.89122 0.00062	10.00 0.90108 0.00061	10.00 0.91470 0.00063
10.10 0.89779 0.00062	10.10 0.90717 0.00063	10.10 0.91909 0.00063
10.20 0.90392 0.00066	10.20 0.91156 0.00064	10.20 0.92561 0.00061
10.30 0.90858 0.00066	10.30 0.91608 0.00065	10.30 0.93085 0.00062
10.40 0.91305 0.00065	10.40 0.92146 0.00064	10.40 0.93579 0.00063
10.50 0.91856 0.00066	10.50 0.92651 0.00065	10.50 0.94090 0.00061
10.60 0.92308 0.00064	10.60 0.93112 0.00063	10.60 0.94578 0.00065
10.70 0.92699 0.00064	10.70 0.93414 0.00062	11.00 0.96414 0.00063
10.80 0.93359 0.00065	10.80 0.94186 0.00064	11.10 0.96979 0.00063
10.90 0.93707 0.00066	10.90 0.94583 0.00064	11.20 0.97269 0.00063
11.00 0.94229 0.00063	11.00 0.95094 0.00065	11.30 0.97706 0.00063
11.10 0.94634 0.00064	11.10 0.95391 0.00063	11.40 0.98152 0.00062
11.20 0.95050 0.00065	11.20 0.95844 0.00064	11.50 0.98540 0.00061
11.30 0.95609 0.00065	11.30 0.96242 0.00066	11.60 0.98944 0.00062
11.40 0.96111 0.00066	11.40 0.96763 0.00062	11.70 0.99418 0.00063
11.50 0.96465 0.00063	11.50 0.97014 0.00061	11.80 0.99747 0.00063
11.60 0.96790 0.00062	11.60 0.97530 0.00063	11.90 1.00216 0.00061
11.70 0.97296 0.00063	11.70 0.97976 0.00061	12.00 1.00614 0.00064
11.80 0.97643 0.00065	11.80 0.98475 0.00064	12.10 1.01046 0.00063
11.90 0.98057 0.00065	11.90 0.98845 0.00065	12.20 1.01482 0.00064
12.00 0.98668 0.00066	12.00 0.99162 0.00064	12.30 1.01803 0.00061
12.10 0.98958 0.00065	12.10 0.99671 0.00065	12.40 1.02175 0.00062
12.20 0.99366 0.00062	12.20 0.99993 0.00064	
12.30 0.99772 0.00065	12.30 1.00368 0.00064	
12.40 1.00101 0.00062	12.40 1.00732 0.00064	
12.50 1.00547 0.00061	12.50 1.01160 0.00062	
12.60 1.00941 0.00062	12.60 1.01622 0.00063	
12.70 1.01327 0.00065	12.70 1.01869 0.00064	
12.80 1.01623 0.00064	12.80 1.02274 0.00065	
12.90 1.02138 0.00061	12.90 1.02553 0.00064	
13.00 1.02466 0.00063	13.00 1.02977 0.00063	
13.10 1.02628 0.00064	13.10 1.03416 0.00066	

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1500	2000	2500
9.50 0.92404 0.00061	8.70 0.91365 0.00062	8.00 0.90306 0.00060
9.57 0.92823 0.00061	8.80 0.92214 0.00062	8.10 0.90889 0.00060
9.64 0.93158 0.00061	8.90 0.92710 0.00061	8.20 0.91737 0.00064
9.71 0.93490 0.00063	9.00 0.93374 0.00061	8.70 0.95243 0.00062
9.78 0.93923 0.00061	9.10 0.93867 0.00061	8.80 0.95904 0.00060
9.85 0.94360 0.00062	9.20 0.94484 0.00061	8.90 0.96566 0.00063
9.92 0.94718 0.00062	9.30 0.95153 0.00061	9.00 0.97131 0.00062
9.99 0.95069 0.00059	9.40 0.95722 0.00061	9.10 0.97828 0.00063
10.06 0.95394 0.00063	9.50 0.96341 0.00062	9.50 1.00273 0.00060
10.13 0.95741 0.00064	9.60 0.96927 0.00062	9.60 1.00831 0.00062
10.20 0.96187 0.00063	9.70 0.97456 0.00062	9.70 1.01499 0.00062
10.27 0.96426 0.00064	10.10 0.99710 0.00062	9.80 1.02118 0.00062
10.34 0.96780 0.00062	10.20 1.00252 0.00062	9.90 1.02761 0.00061
10.41 0.97250 0.00062	10.30 1.00746 0.00061	10.00 1.03241 0.00058
10.48 0.97500 0.00062	10.40 1.01147 0.00064	10.10 1.03669 0.00063
10.55 0.97954 0.00058	10.50 1.01818 0.00061	10.20 1.04255 0.00062
10.62 0.98135 0.00062	10.60 1.02312 0.00061	10.30 1.04862 0.00062
10.69 0.98570 0.00059	10.70 1.02814 0.00063	10.40 1.05354 0.00060
10.76 0.98886 0.00062	10.80 1.03279 0.00062	
10.83 0.99163 0.00062	10.90 1.03753 0.00058	
10.90 0.99722 0.00060	11.00 1.04228 0.00062	
10.97 1.00045 0.00062		
11.04 1.00317 0.00061		
11.10 1.00495 0.00063		

3000	4000	5000
7.85 0.92756 0.00062	6.90 0.91334 0.00057	6.40 0.92211 0.00060
7.90 0.93105 0.00057	6.95 0.91651 0.00060	6.47 0.92910 0.00063
7.95 0.93557 0.00062	7.00 0.92128 0.00059	6.54 0.93510 0.00061
8.00 0.93988 0.00059	7.05 0.92517 0.00059	6.61 0.94233 0.00058
8.05 0.94347 0.00059	7.10 0.93023 0.00058	6.68 0.95014 0.00060
8.10 0.94680 0.00060	7.15 0.93531 0.00061	6.75 0.95656 0.00060
8.15 0.94915 0.00060	7.20 0.93952 0.00059	6.82 0.96358 0.00062
8.20 0.95429 0.00061	7.25 0.94524 0.00060	6.89 0.97048 0.00061
8.25 0.95762 0.00062	7.30 0.94944 0.00059	6.96 0.97813 0.00062
8.30 0.96134 0.00060	7.45 0.96192 0.00060	7.03 0.98491 0.00061
8.35 0.96463 0.00060	7.70 0.98412 0.00063	7.38 1.01749 0.00059
8.40 0.96870 0.00062	7.75 0.98719 0.00064	7.45 1.02388 0.00058
8.45 0.97224 0.00060	7.80 0.99171 0.00062	7.52 1.03151 0.00061
8.50 0.97638 0.00062	7.85 0.99717 0.00060	7.59 1.03652 0.00059
8.55 0.97978 0.00061	7.90 1.00031 0.00061	7.66 1.04255 0.00062
8.60 0.98283 0.00060	7.95 1.00419 0.00060	7.73 1.04903 0.00064
8.65 0.98587 0.00060	8.00 1.00797 0.00060	7.80 1.05611 0.00060
8.70 0.98935 0.00061	8.05 1.01205 0.00064	7.87 1.06162 0.00062
8.75 0.99343 0.00062	8.10 1.01557 0.00061	7.94 1.06815 0.00064
8.80 0.99717 0.00060	8.15 1.02026 0.00062	8.00 1.07218 0.00061
8.85 1.00100 0.00059	8.20 1.02394 0.00064	
8.90 1.00377 0.00062	8.25 1.02803 0.00062	
8.95 1.00602 0.00060	8.30 1.03188 0.00063	
9.00 1.01013 0.00061		

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6000	7000	7500
5.90 0.91750 0.00059	5.50 0.91577 0.00057	5.20 0.89941 0.00057
5.97 0.92567 0.00057	5.78 0.95205 0.00061	5.22 0.90050 0.00057
6.04 0.93337 0.00057	5.85 0.96091 0.00059	5.24 0.90360 0.00060
6.11 0.94255 0.00057	5.92 0.96932 0.00060	5.26 0.90704 0.00058
6.46 0.98140 0.00062	5.99 0.97830 0.00062	5.28 0.91021 0.00057
6.53 0.98970 0.00061	6.06 0.98607 0.00058	5.30 0.91232 0.00061
6.60 0.99647 0.00062	6.13 0.99450 0.00060	5.38 0.92348 0.00059
6.67 1.00456 0.00063	6.20 1.00252 0.00057	5.40 0.92600 0.00057
6.74 1.01145 0.00060	6.27 1.01203 0.00061	5.42 0.92783 0.00060
6.81 1.01992 0.00060	6.34 1.02074 0.00059	5.44 0.93045 0.00059
6.88 1.02616 0.00060	6.41 1.02790 0.00059	5.46 0.93425 0.00057
6.95 1.03347 0.00061	6.48 1.03680 0.00060	5.48 0.93658 0.00057
7.02 1.04092 0.00059	6.55 1.04363 0.00059	5.50 0.93931 0.00059
7.09 1.04818 0.00060	6.62 1.05166 0.00061	5.52 0.94287 0.00059
7.16 1.05505 0.00060	6.69 1.05910 0.00061	5.54 0.94342 0.00061
7.30 1.06921 0.00061	6.76 1.06660 0.00064	5.56 0.94730 0.00060
7.37 1.07588 0.00059	7.00 1.09332 0.00060	5.58 0.94997 0.00057
7.40 1.07831 0.00061		5.60 0.95298 0.00058
		5.72 0.96812 0.00060
		5.74 0.97106 0.00059
		5.86 0.98591 0.00059
		5.88 0.98826 0.00061
		5.90 0.99091 0.00060
		6.00 1.00317 0.00061
		6.02 1.00560 0.00059
		6.06 1.01102 0.00058
		6.08 1.01282 0.00060
		6.10 1.01678 0.00059

8000	9000	10000
5.20 0.92127 0.00056	4.90 0.91824 0.00057	4.60 0.91188 0.00056
5.22 0.92244 0.00057	4.92 0.92261 0.00057	4.62 0.91438 0.00057
5.24 0.92621 0.00059	4.94 0.92521 0.00058	4.64 0.91777 0.00056
5.26 0.92995 0.00057	4.96 0.92801 0.00059	4.66 0.92135 0.00057
5.28 0.93114 0.00057	4.98 0.93078 0.00058	4.68 0.92422 0.00057
5.30 0.93406 0.00057	5.00 0.93408 0.00055	4.70 0.92709 0.00057
5.32 0.93827 0.00056	5.02 0.93714 0.00057	4.72 0.93122 0.00057
5.34 0.93904 0.00055	5.04 0.94028 0.00060	4.74 0.93338 0.00057
5.36 0.94297 0.00058	5.06 0.94154 0.00057	4.76 0.93701 0.00056
5.38 0.94697 0.00057	5.18 0.95976 0.00059	4.78 0.94103 0.00056
5.40 0.94878 0.00058	5.20 0.96357 0.00057	4.80 0.94258 0.00058
5.42 0.95040 0.00060	5.22 0.96539 0.00060	4.82 0.94622 0.00057
5.44 0.95419 0.00061	5.24 0.96912 0.00054	4.90 0.95896 0.00057
5.46 0.95620 0.00058	5.26 0.97163 0.00057	4.92 0.96257 0.00059
5.48 0.95944 0.00059	5.28 0.97489 0.00059	4.94 0.96633 0.00056
5.50 0.96206 0.00058	5.30 0.97795 0.00058	4.96 0.96730 0.00057
5.52 0.96475 0.00060	5.32 0.97997 0.00058	4.98 0.97116 0.00058
5.54 0.96665 0.00056	5.34 0.98261 0.00060	5.00 0.97378 0.00057
5.56 0.96898 0.00059	5.36 0.98711 0.00059	5.10 0.98886 0.00058
5.68 0.98632 0.00060	5.44 0.99731 0.00058	5.12 0.99377 0.00058
5.72 0.99055 0.00058	5.46 1.00182 0.00057	5.14 0.99626 0.00056
5.74 0.99418 0.00058	5.48 1.00320 0.00059	5.16 0.99883 0.00057
5.76 0.99670 0.00059	5.50 1.00626 0.00060	5.18 1.00254 0.00057
5.78 0.99800 0.00059		5.20 1.00458 0.00057
5.80 1.00181 0.00061		5.22 1.00805 0.00057
5.82 1.00322 0.00059		5.24 1.01029 0.00059
5.84 1.00663 0.00062		5.26 1.01426 0.00057
5.86 1.00832 0.00059		5.28 1.01673 0.00058
5.88 1.01239 0.00059		

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15000	19600
3.76 0.93564 0.00054	3.00 0.90481 0.00051
3.78 0.93991 0.00054	3.02 0.90939 0.00049
3.80 0.94523 0.00054	3.04 0.91543 0.00050
3.82 0.94854 0.00055	3.06 0.91899 0.00049
3.84 0.95265 0.00054	3.08 0.92504 0.00050
3.86 0.95710 0.00054	3.10 0.93093 0.00051
3.88 0.96017 0.00055	3.12 0.93580 0.00051
3.90 0.96555 0.00054	3.14 0.94054 0.00052
3.92 0.96953 0.00053	3.16 0.94578 0.00052
3.94 0.97362 0.00052	3.26 0.97046 0.00052
3.96 0.97759 0.00055	3.28 0.97443 0.00052
4.08 1.00173 0.00055	3.30 0.98064 0.00053
4.10 1.00393 0.00053	3.32 0.98530 0.00051
	3.34 0.99002 0.00053
	3.36 0.99438 0.00053
	3.38 0.99960 0.00054
	3.40 1.00325 0.00052
	3.42 1.00935 0.00053
	3.44 1.01414 0.00054
	3.46 1.01788 0.00052
	3.48 1.02445 0.00054
	3.50 1.02817 0.00053

## sumtable.pu-sp-0900-00

10	13	15
30.00 0.91186 0.00034	23.00 0.92271 0.00044	21.00 0.93306 0.00047
30.75 0.91766 0.00035	23.25 0.92881 0.00044	21.20 0.93808 0.00047
31.50 0.92403 0.00033	23.75 0.93730 0.00043	21.40 0.94139 0.00048
32.25 0.92980 0.00034	25.00 0.95620 0.00042	21.60 0.94649 0.00047
33.00 0.93582 0.00035	25.25 0.96014 0.00042	21.80 0.95019 0.00046
33.75 0.94104 0.00034	25.50 0.96341 0.00044	22.00 0.95415 0.00048
34.50 0.94647 0.00033	25.75 0.96722 0.00043	22.20 0.95854 0.00046
35.25 0.95099 0.00034	26.00 0.96966 0.00043	22.40 0.96316 0.00046
36.00 0.95486 0.00034	26.25 0.97330 0.00042	22.60 0.96600 0.00047
36.75 0.96045 0.00033	26.50 0.97722 0.00043	22.80 0.96983 0.00047
37.50 0.96404 0.00033	27.75 0.99184 0.00042	23.00 0.97428 0.00046
38.25 0.96684 0.00031	28.00 0.99555 0.00041	23.20 0.97795 0.00047
39.00 0.97094 0.00031	28.25 0.99829 0.00041	23.40 0.98175 0.00046
39.75 0.97400 0.00032	28.50 1.00136 0.00040	23.60 0.98449 0.00044
40.50 0.97763 0.00032	28.75 1.00364 0.00042	23.80 0.98878 0.00044
41.25 0.98120 0.00030		24.00 0.99072 0.00045
42.00 0.98354 0.00031		24.20 0.99492 0.00047
42.75 0.98766 0.00029		24.40 0.99740 0.00044
43.50 0.99005 0.00030		24.60 1.00124 0.00045
44.25 0.99176 0.00030		24.80 1.00525 0.00047
45.00 0.99494 0.00030		25.00 1.00684 0.00046
45.75 0.99755 0.00029		25.10 1.00894 0.00044
46.50 0.99991 0.00028		
47.25 1.00187 0.00028		
48.00 1.00397 0.00029		
48.75 1.00563 0.00029		
49.50 1.00783 0.00028		
50.00 1.00926 0.00028		

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18	20	22
18.00 0.91045 0.00053	17.00 0.90485 0.00056	16.00 0.89284 0.00057
18.10 0.91252 0.00051	17.20 0.91166 0.00055	16.20 0.89959 0.00056
18.20 0.91690 0.00050	17.40 0.92021 0.00056	16.40 0.90648 0.00058
18.30 0.91887 0.00051	17.60 0.92680 0.00055	16.60 0.91520 0.00054
18.40 0.92177 0.00050	18.40 0.95159 0.00055	16.80 0.92286 0.00057
18.50 0.92557 0.00050	18.60 0.95758 0.00054	17.00 0.93007 0.00057
18.60 0.92902 0.00054	18.80 0.96359 0.00052	17.20 0.93742 0.00056
19.30 0.94820 0.00048	19.00 0.96986 0.00054	17.40 0.94496 0.00057
19.40 0.95213 0.00052	19.20 0.97618 0.00054	17.60 0.95144 0.00054
19.50 0.95406 0.00051	19.40 0.98183 0.00054	17.80 0.95725 0.00057
19.90 0.96343 0.00051	20.40 1.00803 0.00052	18.00 0.96439 0.00056
20.00 0.96650 0.00051	20.60 1.01360 0.00052	18.20 0.97078 0.00057
20.10 0.97059 0.00051	20.80 1.01647 0.00054	18.40 0.97833 0.00054
20.20 0.97244 0.00050	21.00 1.02327 0.00054	18.60 0.98291 0.00056
20.30 0.97442 0.00049		18.80 0.99042 0.00054
20.40 0.97674 0.00050		19.00 0.99645 0.00056
20.50 0.98034 0.00052		19.20 1.00104 0.00057
21.10 0.99379 0.00051		19.40 1.00726 0.00056
21.20 0.99520 0.00052		19.60 1.01375 0.00056
21.30 0.99810 0.00050		19.80 1.01833 0.00055
21.40 1.00010 0.00051		20.00 1.02383 0.00055
		20.20 1.02953 0.00056

24	25	26
16.00 0.91202 0.00060	16.00 0.92251 0.00058	15.80 0.92288 0.00058
16.20 0.92150 0.00058	16.20 0.92997 0.00058	16.00 0.92945 0.00058
16.40 0.92912 0.00058	16.40 0.93777 0.00057	16.20 0.93955 0.00059
16.60 0.93733 0.00058	16.60 0.94661 0.00060	16.40 0.94635 0.00062
16.80 0.94431 0.00059	16.80 0.95384 0.00057	16.60 0.95512 0.00060
17.00 0.95180 0.00057	17.00 0.96073 0.00061	16.80 0.96312 0.00056
18.60 1.00562 0.00058	17.20 0.96830 0.00060	17.00 0.97004 0.00061
19.00 1.01807 0.00056	17.40 0.97477 0.00058	17.20 0.97859 0.00059
19.20 1.02419 0.00055	17.60 0.98291 0.00056	18.20 1.01326 0.00058
19.40 1.03006 0.00054	17.80 0.98855 0.00059	18.40 1.01792 0.00058
19.60 1.03537 0.00056	18.00 0.99608 0.00057	18.60 1.02461 0.00060
19.80 1.04132 0.00056	18.20 1.00245 0.00058	18.80 1.03078 0.00059
	18.40 1.00859 0.00057	19.00 1.03636 0.00058
	18.60 1.01546 0.00058	
	18.80 1.02167 0.00058	
	19.00 1.02751 0.00058	
	19.20 1.03371 0.00057	
	19.40 1.04051 0.00057	
	19.60 1.04464 0.00056	
	19.80 1.05072 0.00057	
	20.00 1.05608 0.00057	

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28	30	32
15.60 0.92969 0.00061	15.00 0.91583 0.00064	14.90 0.92348 0.00064
15.80 0.93739 0.00061	15.20 0.92595 0.00061	15.10 0.93131 0.00063
16.00 0.94587 0.00061	15.40 0.93507 0.00061	15.30 0.94189 0.00064
17.00 0.98562 0.00061	15.60 0.94273 0.00060	15.50 0.95115 0.00064
17.20 0.99318 0.00060	15.80 0.95205 0.00061	15.70 0.95989 0.00064
17.40 1.00132 0.00059	16.00 0.95960 0.00060	15.90 0.96688 0.00063
17.60 1.00828 0.00059	16.20 0.96923 0.00063	16.10 0.97736 0.00062
18.00 1.02137 0.00060	16.40 0.97636 0.00062	16.30 0.98519 0.00062
	16.60 0.98554 0.00059	16.50 0.99298 0.00062
	16.80 0.99317 0.00058	16.70 1.00026 0.00063
	17.80 1.02917 0.00058	16.90 1.00923 0.00063
	18.00 1.03468 0.00062	17.10 1.01670 0.00061
	18.20 1.04138 0.00062	17.30 1.02479 0.00063
	18.40 1.04863 0.00058	17.50 1.02930 0.00062
	18.60 1.05511 0.00060	17.70 1.03699 0.00060
	18.80 1.06205 0.00060	17.90 1.04488 0.00062
	19.00 1.06778 0.00062	18.10 1.05158 0.00061
		18.30 1.05832 0.00061
		18.50 1.06554 0.00061
		18.70 1.07215 0.00060
		18.90 1.07763 0.00059
		19.00 1.08117 0.00061

36	40	45
14.00 0.89683 0.00063	14.00 0.91346 0.00068	14.10 0.93364 0.00065
14.80 0.93726 0.00064	14.10 0.91676 0.00066	14.30 0.94304 0.00066
15.00 0.94830 0.00064	14.20 0.92410 0.00065	14.50 0.95295 0.00063
15.20 0.95621 0.00065	14.30 0.92759 0.00066	14.70 0.96482 0.00069
15.60 0.97537 0.00064	14.40 0.93281 0.00066	14.90 0.97348 0.00065
15.80 0.98358 0.00066	14.50 0.93849 0.00068	15.10 0.98285 0.00065
16.00 0.99246 0.00062	14.60 0.94434 0.00065	15.30 0.99404 0.00065
16.20 1.00128 0.00064	14.70 0.94885 0.00064	15.50 1.00249 0.00065
17.20 1.04232 0.00065	14.80 0.95483 0.00065	15.70 1.01172 0.00065
17.40 1.04739 0.00063	14.90 0.95880 0.00067	15.90 1.01967 0.00066
	15.00 0.96272 0.00065	16.10 1.02917 0.00069
	15.10 0.96880 0.00064	
	15.20 0.97344 0.00066	
	15.30 0.97819 0.00063	
	15.40 0.98241 0.00065	
	15.50 0.98650 0.00066	
	15.60 0.99062 0.00066	
	15.70 0.99506 0.00068	
	15.80 1.00023 0.00066	
	15.90 1.00486 0.00066	
	16.00 1.00842 0.00067	
	16.10 1.01299 0.00064	
	16.20 1.01616 0.00065	
	16.30 1.02078 0.00065	
	16.40 1.02576 0.00067	
	16.50 1.02909 0.00065	
	16.60 1.03428 0.00064	
	16.70 1.03706 0.00066	
	16.80 1.04165 0.00064	
	16.90 1.04616 0.00066	
	17.00 1.04793 0.00066	

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50	75	100
13.60 0.91719 0.00069	13.40 0.93716 0.00069	13.30 0.94228 0.00072
13.70 0.92386 0.00068	13.60 0.94874 0.00069	13.50 0.95388 0.00071
13.80 0.92784 0.00068	13.80 0.95952 0.00072	13.70 0.96406 0.00073
13.90 0.93302 0.00068	14.00 0.96961 0.00071	13.90 0.97436 0.00071
14.00 0.94020 0.00066	14.20 0.98149 0.00069	14.10 0.98587 0.00071
14.10 0.94582 0.00065	14.40 0.99161 0.00069	15.10 1.03556 0.00073
14.20 0.95050 0.00067	14.60 1.00283 0.00071	15.30 1.04535 0.00074
14.30 0.95526 0.00067	15.80 1.05816 0.00070	16.00 1.07805 0.00073
14.40 0.96019 0.00068	16.00 1.06804 0.00074	

14.50 0.96630 0.00067
14.60 0.97141 0.00065
14.70 0.97724 0.00068
14.80 0.98020 0.00067
14.90 0.98676 0.00066
15.00 0.99156 0.00067
15.10 0.99367 0.00066
15.20 0.99944 0.00068
15.30 1.00502 0.00071
15.40 1.00908 0.00067
15.50 1.01588 0.00070
15.60 1.02000 0.00064

150	200	350
12.80 0.91540 0.00074	12.90 0.91956 0.00070	13.00 0.91729 0.00070
13.00 0.92667 0.00069	13.10 0.92986 0.00076	13.20 0.92855 0.00072
13.20 0.93930 0.00071	13.30 0.94065 0.00073	13.40 0.93830 0.00070
13.40 0.94907 0.00071	13.50 0.95095 0.00072	13.60 0.94833 0.00071
13.60 0.96092 0.00072	13.70 0.96286 0.00071	13.80 0.96071 0.00071
13.80 0.97161 0.00073	13.90 0.97281 0.00072	14.00 0.96887 0.00073
14.00 0.98163 0.00073	14.10 0.98359 0.00074	14.20 0.97936 0.00071
15.60 1.05939 0.00073	14.30 0.99485 0.00072	14.40 0.98930 0.00071
15.80 1.06696 0.00073	14.50 1.00439 0.00074	14.60 0.99873 0.00073
16.00 1.07641 0.00071	15.50 1.04951 0.00073	14.80 1.00589 0.00072
	15.70 1.05878 0.00071	
	15.90 1.06669 0.00072	
	16.00 1.06906 0.00070	

500	750	1000
13.10 0.92313 0.00067	12.80 0.91770 0.00069	12.10 0.89724 0.00068
13.30 0.93407 0.00070	13.00 0.92954 0.00069	12.20 0.90134 0.00066
13.50 0.94431 0.00069	13.20 0.93957 0.00069	12.30 0.90777 0.00068
14.10 0.97445 0.00073	13.40 0.94984 0.00067	12.40 0.91413 0.00067
14.30 0.98104 0.00071	13.60 0.95976 0.00071	12.50 0.91991 0.00069
15.10 1.01889 0.00073	14.60 1.00670 0.00068	13.00 0.94801 0.00067
15.30 1.02776 0.00073	14.80 1.01417 0.00067	13.10 0.95278 0.00069
15.50 1.03604 0.00074	15.00 1.02331 0.00071	13.20 0.95769 0.00068
15.70 1.04232 0.00070	15.20 1.03365 0.00069	14.10 1.00136 0.00069
15.90 1.05070 0.00072	15.40 1.04102 0.00071	14.20 1.00720 0.00067
16.20 1.06283 0.00072		14.30 1.00995 0.00067
		14.40 1.01449 0.00067
		14.90 1.03652 0.00068
		15.00 1.04046 0.00068
		15.10 1.04518 0.00067
		15.20 1.04855 0.00067
		15.30 1.05286 0.00066

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1500	2000	2500
11.70 0.91693 0.00069	11.00 0.91744 0.00062	10.50 0.92687 0.00063
12.20 0.94667 0.00067	11.10 0.92377 0.00063	10.57 0.93241 0.00064
12.30 0.95142 0.00067	11.30 0.93675 0.00065	10.64 0.93797 0.00063
12.40 0.95752 0.00066	11.50 0.95108 0.00064	10.71 0.94160 0.00064
12.50 0.96249 0.00068	12.00 0.97969 0.00066	10.78 0.94755 0.00065
12.60 0.96864 0.00064	12.10 0.98724 0.00063	10.85 0.95200 0.00063
12.70 0.97321 0.00068	12.20 0.99273 0.00064	10.92 0.95754 0.00062
13.30 1.00620 0.00067	12.30 0.99879 0.00067	11.34 0.98487 0.00064
13.90 1.03523 0.00068	12.40 1.00375 0.00063	11.41 0.98977 0.00063
14.00 1.04017 0.00067	12.50 1.00897 0.00064	11.55 1.00027 0.00066
14.10 1.04480 0.00068	12.60 1.01517 0.00064	11.62 1.00287 0.00065
14.20 1.04959 0.00067	12.70 1.02220 0.00065	11.69 1.00726 0.00063
14.30 1.05496 0.00068	12.80 1.02669 0.00068	11.76 1.01372 0.00063
	12.90 1.03174 0.00065	11.83 1.01674 0.00064
	13.00 1.03687 0.00066	11.90 1.02085 0.00064
	13.10 1.04318 0.00067	11.97 1.02477 0.00064
		12.00 1.02625 0.00064

3000	4000	5000
10.00 0.93171 0.00061	8.90 0.91787 0.00060	8.10 0.91048 0.00060
10.10 0.94115 0.00063	8.95 0.92246 0.00060	8.15 0.91564 0.00060
10.20 0.94764 0.00063	9.00 0.92773 0.00058	8.20 0.92067 0.00059
10.30 0.95486 0.00065	9.05 0.93147 0.00061	8.25 0.92519 0.00058
10.40 0.96371 0.00065	9.10 0.93646 0.00061	8.50 0.95049 0.00060
10.50 0.97011 0.00062	9.15 0.94029 0.00060	8.55 0.95722 0.00058
10.60 0.97897 0.00062	9.20 0.94544 0.00059	8.65 0.96654 0.00060
10.70 0.98585 0.00062	9.25 0.94941 0.00062	8.70 0.97153 0.00060
10.80 0.99244 0.00061	9.30 0.95390 0.00064	8.75 0.97577 0.00058
10.90 0.99841 0.00064	9.35 0.95784 0.00060	8.80 0.98060 0.00060
11.00 1.00528 0.00062	9.40 0.96265 0.00060	8.85 0.98386 0.00058
11.10 1.01302 0.00065	9.45 0.96700 0.00062	8.90 0.99001 0.00059
11.20 1.02058 0.00065	9.50 0.97153 0.00061	8.95 0.99477 0.00060
11.30 1.02693 0.00063	9.55 0.97582 0.00061	9.00 0.99901 0.00062
11.40 1.03438 0.00063	9.60 0.97945 0.00063	9.05 1.00413 0.00059
11.50 1.04046 0.00063	9.65 0.98432 0.00061	9.10 1.00804 0.00060
11.60 1.04706 0.00065	9.70 0.98804 0.00060	9.15 1.01348 0.00062
11.70 1.05333 0.00065	9.75 0.99133 0.00061	9.20 1.01728 0.00059
11.80 1.06036 0.00064	9.80 0.99759 0.00060	9.25 1.02342 0.00061
11.90 1.06530 0.00062	9.85 1.00032 0.00062	9.30 1.02863 0.00061
12.00 1.07248 0.00065	9.90 1.00483 0.00061	9.50 1.04521 0.00061
	9.95 1.01047 0.00063	9.55 1.05020 0.00064
	10.00 1.01323 0.00065	9.60 1.05455 0.00061
	10.05 1.01648 0.00061	
	10.10 1.02082 0.00064	
	10.15 1.02556 0.00060	
	10.20 1.02901 0.00063	
	10.25 1.03222 0.00059	
	10.30 1.03631 0.00061	

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6000	7000	7500
7.57 0.91553 0.00058	7.21 0.93268 0.00055	6.95 0.92982 0.00055
7.64 0.92407 0.00056	7.49 0.96601 0.00055	7.00 0.93622 0.00052
8.06 0.97055 0.00056	7.56 0.97488 0.00057	7.05 0.94288 0.00055
8.13 0.97816 0.00057	7.98 1.02468 0.00057	7.15 0.95359 0.00055
8.48 1.01665 0.00058	8.05 1.03084 0.00058	7.20 0.96141 0.00055
8.55 1.02249 0.00060	8.19 1.04757 0.00056	7.25 0.96722 0.00056
8.62 1.02885 0.00061	8.26 1.05334 0.00058	7.35 0.97853 0.00054
8.69 1.03678 0.00059	8.33 1.06194 0.00058	7.65 1.01626 0.00058
8.76 1.04304 0.00059		7.70 1.02192 0.00056
8.83 1.05171 0.00060		
8.90 1.05571 0.00058		

8000	9000	10000
6.68 0.92116 0.00054	6.28 0.92074 0.00048	5.98 0.92707 0.00048
6.70 0.92467 0.00052	6.30 0.92326 0.00050	6.00 0.92962 0.00048
6.72 0.92677 0.00051	6.38 0.93347 0.00050	6.02 0.93289 0.00050
6.74 0.93056 0.00052	6.40 0.93589 0.00050	6.04 0.93563 0.00048
6.76 0.93202 0.00051	6.44 0.94362 0.00051	6.06 0.93856 0.00050
6.78 0.93582 0.00052	6.54 0.95536 0.00051	6.08 0.94037 0.00048
6.80 0.93768 0.00052	6.56 0.95735 0.00053	6.10 0.94420 0.00050
6.82 0.93941 0.00053	6.58 0.96007 0.00052	6.12 0.94694 0.00050
6.84 0.94258 0.00053	6.62 0.96684 0.00052	6.14 0.94991 0.00046
6.94 0.95528 0.00053	6.64 0.96892 0.00051	6.16 0.95352 0.00049
6.96 0.95878 0.00052	6.66 0.97181 0.00051	6.24 0.96422 0.00049
7.00 0.96374 0.00055	6.80 0.99008 0.00052	6.26 0.96679 0.00049
7.02 0.96606 0.00054	6.82 0.99291 0.00055	6.28 0.97137 0.00052
7.04 0.96836 0.00056	6.84 0.99579 0.00052	6.30 0.97234 0.00048
7.06 0.97089 0.00054	6.86 0.99789 0.00053	6.32 0.97632 0.00049
7.26 0.99571 0.00054	6.88 1.00174 0.00051	6.34 0.97795 0.00048
7.32 1.00465 0.00055	6.90 1.00478 0.00051	6.36 0.98100 0.00053
7.34 1.00568 0.00055	6.92 1.00660 0.00053	6.38 0.98361 0.00050
	6.94 1.00732 0.00054	6.40 0.98604 0.00051
	6.96 1.01122 0.00052	6.42 0.98949 0.00052
		6.44 0.99225 0.00051
		6.46 0.99565 0.00051
		6.48 0.99921 0.00053
		6.50 1.00004 0.00052
		6.56 1.00940 0.00051
		6.58 1.01111 0.00051
		6.60 1.01488 0.00053
		6.62 1.01824 0.00053
		6.64 1.02000 0.00050
		6.70 1.02794 0.00051

15000	19600
4.60 0.92398 0.00039	3.60 0.90277 0.00037
4.65 0.93372 0.00042	3.62 0.90609 0.00037
4.70 0.94192 0.00041	3.64 0.91046 0.00038
4.75 0.95109 0.00041	3.66 0.91585 0.00036
4.80 0.96058 0.00042	3.68 0.92025 0.00038
4.85 0.96958 0.00042	3.70 0.92458 0.00039
4.90 0.97791 0.00043	3.72 0.92913 0.00038

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4.95	0.98740	0.00043	3.74	0.93389	0.00040
5.00	0.99566	0.00045	3.76	0.93682	0.00039
5.20	1.02971	0.00046	3.78	0.94234	0.00039
5.25	1.03921	0.00047	3.80	0.94528	0.00037
5.30	1.04762	0.00046	3.82	0.95121	0.00040
5.35	1.05616	0.00046	3.84	0.95512	0.00038
5.40	1.06410	0.00047	3.86	0.95936	0.00040
5.45	1.07315	0.00047	3.88	0.96348	0.00041
5.50	1.08184	0.00046	3.90	0.96638	0.00041
			3.92	0.97145	0.00040
			3.94	0.97562	0.00039
			3.96	0.98000	0.00041
			3.98	0.98451	0.00041
			4.00	0.98968	0.00039
			4.02	0.99271	0.00040
			4.04	0.99768	0.00041
			4.06	1.00164	0.00041
			4.08	1.00592	0.00042
			4.10	1.00971	0.00042

## sumtable.pu-sp-0900-01

10	13	15
31.00	0.93240	0.00033
32.00	0.93947	0.00033
33.00	0.94547	0.00033
34.00	0.95244	0.00032
35.00	0.95783	0.00032
36.00	0.96321	0.00031
37.00	0.96819	0.00033
38.00	0.97298	0.00030
39.00	0.97896	0.00030
40.00	0.98252	0.00030
41.00	0.98627	0.00029
42.00	0.99011	0.00029
43.00	0.99359	0.00029
44.00	0.99724	0.00028
45.00	1.00005	0.00029
46.00	1.00246	0.00029
47.00	1.00550	0.00028
48.00	1.00883	0.00027
22.00	0.93130	0.00042
22.25	0.93644	0.00042
22.50	0.94097	0.00043
22.75	0.94578	0.00042
23.00	0.94731	0.00041
23.25	0.95240	0.00042
23.50	0.95610	0.00042
23.75	0.96045	0.00042
24.00	0.96338	0.00041
24.25	0.96802	0.00039
24.50	0.97032	0.00041
24.75	0.97438	0.00039
25.00	0.97736	0.00041
25.25	0.98077	0.00041
25.50	0.98440	0.00040
25.75	0.98731	0.00040
26.00	0.98916	0.00039
26.25	0.99298	0.00038
26.50	0.99640	0.00040
26.75	0.99919	0.00038
27.00	1.00129	0.00039
27.25	1.00447	0.00039
27.50	1.00607	0.00038
27.75	1.00951	0.00038
28.00	1.01244	0.00040
28.25	1.01446	0.00039
28.50	1.01604	0.00039
28.75	1.01955	0.00039
29.00	1.02189	0.00038
29.25	1.02478	0.00039
29.50	1.02720	0.00038

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18	20	22
16.00 0.89382 0.00052	16.40 0.93644 0.00052	15.20 0.91892 0.00056
16.20 0.89956 0.00049	16.60 0.94331 0.00052	15.40 0.92673 0.00053
16.40 0.90750 0.00049	16.80 0.94970 0.00054	15.60 0.93411 0.00054
16.60 0.91313 0.00050	17.00 0.95572 0.00051	15.80 0.94153 0.00056
16.80 0.92016 0.00050	17.20 0.96195 0.00051	16.00 0.94845 0.00055
17.00 0.92581 0.00051	17.40 0.96820 0.00052	16.20 0.95540 0.00054
17.20 0.93124 0.00050	17.60 0.97326 0.00052	16.40 0.96182 0.00051
17.40 0.93788 0.00051	17.80 0.97919 0.00053	17.00 0.98057 0.00055
17.60 0.94256 0.00049	18.00 0.98480 0.00051	17.20 0.98706 0.00054
17.80 0.94804 0.00050	18.20 0.99035 0.00053	17.40 0.99384 0.00052
18.00 0.95394 0.00050	18.40 0.99552 0.00052	17.60 0.99894 0.00052
18.20 0.95906 0.00050	18.60 1.00002 0.00052	18.20 1.01601 0.00055
18.40 0.96451 0.00048	18.80 1.00643 0.00054	18.40 1.02144 0.00053
18.60 0.96976 0.00050	19.00 1.01025 0.00054	
18.80 0.97583 0.00051	19.60 1.02597 0.00050	18.60 1.02765 0.00055
19.00 0.98026 0.00049	19.80 1.03021 0.00049	
19.20 0.98446 0.00052		
19.40 0.98880 0.00049		
19.60 0.99412 0.00050		
19.80 0.99903 0.00052		
20.00 1.00333 0.00049		
20.20 1.00780 0.00049		
20.40 1.01103 0.00049		
20.60 1.01581 0.00049		
20.80 1.02037 0.00048		
21.00 1.02442 0.00047		

24	25	26
14.40 0.90917 0.00055	14.00 0.90141 0.00059	14.00 0.91023 0.00055
14.60 0.91686 0.00056	14.20 0.91000 0.00060	14.20 0.91921 0.00057
14.80 0.92517 0.00055	14.40 0.91821 0.00055	14.40 0.92731 0.00058
15.00 0.93250 0.00055	14.60 0.92726 0.00055	14.60 0.93404 0.00057
15.20 0.94111 0.00056	14.80 0.93547 0.00060	14.80 0.94289 0.00057
15.40 0.94835 0.00055	15.00 0.94327 0.00055	15.00 0.95110 0.00057
15.60 0.95571 0.00056	15.20 0.95067 0.00056	15.20 0.95864 0.00056
15.80 0.96215 0.00058	15.40 0.95572 0.00056	15.40 0.96697 0.00059
16.00 0.96910 0.00055	15.60 0.96486 0.00057	15.60 0.97354 0.00057
16.20 0.97658 0.00054	15.80 0.97364 0.00056	15.80 0.98077 0.00059
16.40 0.98332 0.00054	16.00 0.98060 0.00056	16.00 0.98954 0.00059
16.60 0.98986 0.00056	16.20 0.98791 0.00055	16.20 0.99585 0.00058
16.80 0.99613 0.00055	16.40 0.99405 0.00055	16.40 1.00298 0.00056
17.00 1.00246 0.00053	16.60 0.99854 0.00058	16.60 1.00946 0.00055
17.20 1.00887 0.00056	17.40 1.02541 0.00056	16.80 1.01508 0.00057
17.40 1.01554 0.00055	17.60 1.03191 0.00056	17.00 1.02267 0.00058
17.60 1.02248 0.00055	17.80 1.03684 0.00054	17.20 1.02833 0.00056
17.80 1.02777 0.00053	18.00 1.04295 0.00057	17.40 1.03385 0.00055
18.00 1.03290 0.00056	18.20 1.04794 0.00054	17.60 1.04046 0.00056
18.20 1.03945 0.00053	18.40 1.05465 0.00055	17.80 1.04670 0.00056
18.40 1.04355 0.00054	18.60 1.05991 0.00053	
18.60 1.04909 0.00054	18.80 1.06489 0.00054	
18.80 1.05482 0.00054	19.00 1.07084 0.00054	
19.00 1.05948 0.00057		

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28	30	32
13.90 0.92235 0.00059	14.00 0.94030 0.00061	13.40 0.92243 0.00061
14.10 0.93000 0.00059	14.20 0.94841 0.00059	13.60 0.93341 0.00058
14.30 0.93866 0.00056	14.40 0.95676 0.00059	13.80 0.94267 0.00061
14.50 0.94738 0.00057	14.60 0.96569 0.00058	14.00 0.95165 0.00060
14.70 0.95492 0.00056	14.80 0.97377 0.00057	15.40 1.00994 0.00062
14.90 0.96497 0.00058	15.00 0.98146 0.00059	15.60 1.01685 0.00061
15.10 0.97216 0.00058	15.20 0.98905 0.00057	15.80 1.02582 0.00059
15.30 0.97899 0.00060	15.40 0.99730 0.00058	16.00 1.03056 0.00057
15.50 0.98629 0.00059	15.60 1.00551 0.00059	16.20 1.03885 0.00059
15.70 0.99343 0.00055	15.80 1.01274 0.00060	16.40 1.04429 0.00056
15.90 1.00216 0.00061	16.00 1.01993 0.00059	17.00 1.06697 0.00059
16.10 1.00916 0.00057	16.20 1.02638 0.00058	
16.30 1.01504 0.00058	16.40 1.03397 0.00058	
16.50 1.02339 0.00059	16.60 1.04110 0.00059	
16.70 1.02946 0.00059	16.80 1.04756 0.00057	
16.90 1.03604 0.00059		
17.10 1.04181 0.00061		
17.30 1.04870 0.00057		
17.70 1.06054 0.00057		
17.90 1.06645 0.00057		
18.00 1.06990 0.00056		

36	40	45
13.40 0.94348 0.00062	12.20 0.89707 0.00064	12.00 0.90200 0.00063
13.60 0.95436 0.00061	12.40 0.90799 0.00063	12.10 0.90688 0.00066
13.80 0.96244 0.00059	12.60 0.91991 0.00062	12.20 0.91224 0.00065
14.00 0.97208 0.00062	12.80 0.93008 0.00064	12.30 0.91831 0.00061
14.60 0.99823 0.00063	13.00 0.94070 0.00064	12.40 0.92411 0.00063
14.80 1.00709 0.00061	13.20 0.95027 0.00061	12.50 0.92884 0.00065
15.00 1.01436 0.00060	13.40 0.95929 0.00063	12.60 0.93411 0.00064
15.20 1.02212 0.00064	13.60 0.96946 0.00061	12.70 0.93931 0.00064
15.40 1.02974 0.00063	13.80 0.97909 0.00065	12.80 0.94451 0.00063
15.60 1.03889 0.00062	15.00 1.03046 0.00062	12.90 0.94997 0.00064
	15.20 1.04034 0.00065	13.00 0.95505 0.00065
	15.40 1.04671 0.00062	13.10 0.96163 0.00064
	15.60 1.05528 0.00063	13.90 0.99931 0.00065
	15.80 1.06192 0.00063	14.00 1.00469 0.00066
	16.00 1.07015 0.00060	14.10 1.00840 0.00063
		14.20 1.01203 0.00063
		14.40 1.02226 0.00062
		14.50 1.02505 0.00064
		15.10 1.05082 0.00063
		15.20 1.05466 0.00065

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50	75	100
12.00 0.91356 0.00064	11.60 0.92191 0.00069	11.00 0.89619 0.00069
12.10 0.91913 0.00066	11.70 0.92819 0.00066	11.10 0.90370 0.00070
12.20 0.92594 0.00065	11.80 0.93299 0.00070	11.20 0.90945 0.00068
12.30 0.93109 0.00065	11.90 0.93977 0.00068	11.30 0.91666 0.00066
12.80 0.95817 0.00065	12.00 0.94481 0.00068	11.40 0.92175 0.00067
12.90 0.96167 0.00065	12.10 0.95226 0.00072	11.50 0.92693 0.00069
13.00 0.96760 0.00067	12.20 0.95757 0.00067	11.60 0.93380 0.00070
13.10 0.97318 0.00067	12.70 0.98328 0.00067	11.70 0.94014 0.00071
13.20 0.97755 0.00068	12.80 0.99014 0.00068	11.80 0.94528 0.00068
13.30 0.98274 0.00066	12.90 0.99448 0.00071	11.90 0.94967 0.00068
13.40 0.98852 0.00064	13.00 0.99999 0.00066	12.00 0.95653 0.00064
13.50 0.99359 0.00062	13.10 1.00405 0.00069	12.10 0.96179 0.00069
13.60 0.99733 0.00067	13.20 1.00991 0.00068	12.20 0.96785 0.00069
13.70 1.00231 0.00065	13.30 1.01536 0.00068	12.30 0.97257 0.00069
14.20 1.02569 0.00063	13.40 1.01869 0.00068	12.40 0.97789 0.00068
14.30 1.03132 0.00066	13.50 1.02427 0.00067	12.50 0.98407 0.00071
14.40 1.03506 0.00064	13.60 1.02907 0.00072	12.60 0.98861 0.00071
14.50 1.03953 0.00066	13.70 1.03502 0.00071	12.70 0.99311 0.00069
14.60 1.04354 0.00066	13.90 1.04363 0.00069	12.80 0.99936 0.00071
14.70 1.04658 0.00067	14.00 1.04804 0.00067	12.90 1.00483 0.00069
	14.10 1.05301 0.00067	13.00 1.01027 0.00067
		13.10 1.01378 0.00070
		13.20 1.01996 0.00069
		13.30 1.02633 0.00068
		13.40 1.03027 0.00070
		13.50 1.03519 0.00073

150	200	350
11.50 0.92946 0.00070	11.00 0.90097 0.00070	11.30 0.91116 0.00069
11.60 0.93691 0.00072	11.80 0.94573 0.00071	11.40 0.91513 0.00067
11.70 0.94404 0.00069	11.90 0.95133 0.00068	11.50 0.92158 0.00070
11.80 0.94764 0.00070	12.10 0.96106 0.00071	11.60 0.92685 0.00070
11.90 0.95379 0.00072	12.20 0.96737 0.00069	11.70 0.93336 0.00069
12.40 0.98091 0.00071	12.30 0.97230 0.00072	11.80 0.93822 0.00068
12.50 0.98673 0.00069	12.40 0.97731 0.00070	11.90 0.94370 0.00074
12.60 0.99230 0.00069	12.50 0.98379 0.00070	12.40 0.96864 0.00071
12.70 0.99762 0.00071	12.60 0.98955 0.00072	12.50 0.97384 0.00070
12.80 1.00139 0.00071	12.70 0.99274 0.00070	12.60 0.97900 0.00069
12.90 1.00785 0.00071	13.30 1.02392 0.00071	12.70 0.98307 0.00071
13.00 1.01087 0.00071	13.40 1.02601 0.00072	12.80 0.98883 0.00070
13.60 1.04060 0.00071	13.50 1.03107 0.00069	12.90 0.99335 0.00069
13.70 1.04551 0.00069	13.60 1.03530 0.00071	13.00 0.99715 0.00070
13.80 1.04832 0.00069	13.70 1.04012 0.00070	13.10 1.00300 0.00069
13.90 1.05490 0.00067	13.80 1.04617 0.00070	13.20 1.00651 0.00070
14.00 1.05944 0.00072	13.90 1.04894 0.00071	13.70 1.02851 0.00068
	14.00 1.05477 0.00070	13.80 1.03254 0.00071
		13.90 1.03748 0.00068
		14.00 1.04263 0.00071
		14.10 1.04568 0.00072

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500	750	1000
11.00 0.89374 0.00069	11.00 0.90404 0.00068	11.00 0.91971 0.00068
11.10 0.89918 0.00067	11.10 0.90959 0.00070	11.10 0.92510 0.00068
11.20 0.90557 0.00071	11.20 0.91562 0.00070	11.20 0.93090 0.00065
11.30 0.91001 0.00068	11.30 0.91936 0.00067	11.30 0.93686 0.00069
11.40 0.91559 0.00069	12.10 0.96213 0.00069	11.40 0.94031 0.00065
11.50 0.92236 0.00068	12.20 0.96770 0.00067	11.50 0.94616 0.00067
12.00 0.94828 0.00070	12.60 0.98687 0.00067	11.60 0.95267 0.00068
12.10 0.95356 0.00071	12.70 0.99050 0.00067	11.70 0.95740 0.00066
12.20 0.95853 0.00070	12.80 0.99418 0.00070	11.80 0.96245 0.00067
12.30 0.96150 0.00069	12.90 1.00052 0.00067	11.90 0.96864 0.00067
12.40 0.96858 0.00071	13.00 1.00293 0.00066	12.50 0.99719 0.00066
12.50 0.97332 0.00067	13.70 1.03471 0.00071	12.60 1.00170 0.00070
12.90 0.99062 0.00065	13.80 1.03894 0.00069	12.70 1.00600 0.00068
13.20 1.00588 0.00070		12.80 1.01223 0.00068
13.70 1.02636 0.00071		12.90 1.01627 0.00067
13.80 1.03057 0.00071		13.30 1.03328 0.00068
13.90 1.03391 0.00069		13.40 1.03777 0.00068
14.00 1.03943 0.00071		13.50 1.04087 0.00067
14.10 1.04249 0.00068		13.60 1.04619 0.00066
14.20 1.04654 0.00070		13.70 1.05113 0.00065
14.30 1.05139 0.00068		13.80 1.05426 0.00068
		13.90 1.05858 0.00067
		14.00 1.06209 0.00067

1500	2000	2500
10.00 0.89966 0.00064	9.70 0.92058 0.00062	9.00 0.91147 0.00062
10.50 0.93080 0.00067	9.80 0.92844 0.00061	9.10 0.91905 0.00064
10.60 0.93611 0.00064	9.90 0.93349 0.00066	9.20 0.92554 0.00063
10.70 0.94186 0.00065	10.00 0.94050 0.00067	9.30 0.93312 0.00063
10.80 0.94759 0.00066	10.10 0.94648 0.00065	10.00 0.98223 0.00067
10.90 0.95316 0.00066	10.20 0.95400 0.00066	10.10 0.98905 0.00063
11.00 0.95859 0.00066	10.30 0.96035 0.00069	10.20 0.99558 0.00065
11.90 1.00933 0.00064	10.40 0.96602 0.00063	10.30 1.00283 0.00065
12.00 1.01369 0.00065	10.50 0.97163 0.00064	10.40 1.00856 0.00064
12.10 1.01799 0.00066	10.60 0.97861 0.00064	
12.20 1.02431 0.00065	10.70 0.98553 0.00063	
	10.80 0.99119 0.00064	
	10.90 0.99669 0.00063	
	11.00 1.00122 0.00065	
	11.10 1.00973 0.00065	
	11.20 1.01269 0.00064	
	11.30 1.01991 0.00067	
	11.40 1.02499 0.00065	
	11.50 1.02973 0.00067	
	11.60 1.03688 0.00066	
	11.70 1.04104 0.00066	
	11.80 1.04696 0.00063	
	11.90 1.05216 0.00068	
	12.00 1.05803 0.00063	

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3000	4000	5000
8.50 0.91113 0.00061	7.80 0.92119 0.00065	7.05 0.90767 0.00061
8.57 0.91740 0.00063	7.87 0.92778 0.00061	7.10 0.91503 0.00061
8.64 0.92158 0.00065	8.08 0.94727 0.00064	7.15 0.91969 0.00060
9.06 0.95621 0.00064	8.15 0.95222 0.00064	7.20 0.92589 0.00062
9.20 0.96501 0.00066	8.36 0.97062 0.00062	7.45 0.95272 0.00059
9.27 0.97045 0.00064	8.43 0.97786 0.00062	7.50 0.95679 0.00062
9.34 0.97585 0.00064	8.50 0.98426 0.00065	7.55 0.96055 0.00059
9.41 0.98187 0.00065	8.57 0.99024 0.00065	7.60 0.96704 0.00064
9.48 0.98629 0.00065	8.92 1.01918 0.00063	7.65 0.97198 0.00061
9.83 1.01140 0.00062	8.99 1.02523 0.00062	7.70 0.97635 0.00063
9.90 1.01697 0.00063	9.06 1.03135 0.00062	7.75 0.98248 0.00063
9.97 1.02185 0.00062	9.13 1.03532 0.00064	8.00 1.00706 0.00062
10.04 1.02623 0.00063	9.20 1.04263 0.00064	
10.11 1.03116 0.00065	9.48 1.06395 0.00064	
10.18 1.03620 0.00065		
10.25 1.03993 0.00063		
10.30 1.04360 0.00065		

6000	7000	7500
6.60 0.91752 0.00061	6.05 0.90335 0.00058	6.05 0.92841 0.00059
6.70 0.92963 0.00059	6.10 0.90895 0.00061	6.10 0.93481 0.00059
6.75 0.93465 0.00059	6.15 0.91536 0.00060	6.15 0.94069 0.00059
6.80 0.94110 0.00060	6.20 0.92201 0.00058	6.20 0.94862 0.00060
6.90 0.95213 0.00058	6.25 0.92814 0.00060	6.25 0.95353 0.00057
6.95 0.95783 0.00062	6.30 0.93566 0.00060	6.30 0.96096 0.00059
7.00 0.96162 0.00062	6.35 0.94028 0.00061	6.35 0.96765 0.00059
7.05 0.96805 0.00062	6.40 0.94722 0.00061	6.40 0.97360 0.00059
7.10 0.97376 0.00062	6.45 0.95298 0.00062	6.45 0.97903 0.00062
7.15 0.98021 0.00064	6.70 0.98289 0.00061	6.50 0.98530 0.00056
7.20 0.98521 0.00061	6.75 0.98991 0.00062	6.80 1.02124 0.00061
7.25 0.99184 0.00062	6.80 0.99600 0.00062	6.85 1.02821 0.00061
7.30 0.99599 0.00062	6.85 1.00258 0.00059	6.90 1.03424 0.00060
7.35 1.00089 0.00062	6.90 1.00694 0.00060	6.95 1.04056 0.00060
	6.95 1.01396 0.00061	
	7.00 1.01878 0.00060	
	7.05 1.02368 0.00060	
	7.10 1.03096 0.00062	
	7.15 1.03646 0.00061	
	7.20 1.04250 0.00060	
	7.30 1.05531 0.00062	

8000	9000	10000
5.70 0.90440 0.00057	5.55 0.93056 0.00056	5.15 0.91504 0.00056
5.80 0.91936 0.00058	5.60 0.93760 0.00057	5.20 0.92334 0.00055
5.95 0.93931 0.00058	5.65 0.94501 0.00054	5.40 0.95435 0.00056
6.00 0.94711 0.00057	5.70 0.95128 0.00055	5.45 0.96150 0.00056
6.05 0.95317 0.00060	5.75 0.95926 0.00055	5.55 0.97574 0.00057
6.25 0.98003 0.00058	5.80 0.96773 0.00058	5.60 0.98428 0.00056
6.30 0.98626 0.00059	6.05 1.00159 0.00057	5.85 1.01924 0.00057
6.35 0.99046 0.00060	6.10 1.00826 0.00059	5.90 1.02702 0.00056
6.40 0.99869 0.00060	6.15 1.01381 0.00059	5.95 1.03448 0.00058
6.45 1.00535 0.00060	6.20 1.02246 0.00058	6.00 1.04070 0.00059
6.50 1.01040 0.00057	6.30 1.03424 0.00058	6.25 1.07660 0.00059
6.55 1.01715 0.00058	6.35 1.04143 0.00059	6.30 1.08387 0.00059
6.65 1.02976 0.00057	6.40 1.04780 0.00061	

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15000	19600	
4.00 0.91071 0.00048	3.34 0.92548 0.00047	
4.02 0.91413 0.00046	3.36 0.93023 0.00044	
4.04 0.91837 0.00047	3.38 0.93369 0.00044	
4.06 0.92202 0.00049	3.40 0.93929 0.00045	
4.08 0.92602 0.00050	3.42 0.94347 0.00045	
4.10 0.93096 0.00048	3.54 0.97313 0.00046	
4.20 0.94945 0.00050	3.56 0.97688 0.00046	
4.22 0.95329 0.00050	3.58 0.98200 0.00047	
4.24 0.95711 0.00050	3.66 0.99938 0.00047	
4.26 0.96108 0.00050	3.68 1.00425 0.00046	
4.28 0.96550 0.00050	3.70 1.00923 0.00048	
4.30 0.96915 0.00050	3.72 1.01450 0.00047	
4.32 0.97342 0.00049	3.74 1.01942 0.00050	
4.42 0.99182 0.00049	3.80 1.03214 0.00047	
4.44 0.99509 0.00052		
4.46 1.00021 0.00050		
4.48 1.00311 0.00050		
4.50 1.00665 0.00052		
4.52 1.01100 0.00051		
4.54 1.01441 0.00051		

## sumtable.pu-sp-0900-10

10	13	15
30.00 0.93402 0.00032	20.00 0.91615 0.00040	17.00 0.89966 0.00044
31.00 0.94066 0.00032	20.25 0.92089 0.00043	17.25 0.90592 0.00044
32.00 0.94685 0.00032	20.50 0.92488 0.00041	17.50 0.91202 0.00043
33.00 0.95277 0.00033	20.75 0.93002 0.00040	17.75 0.91776 0.00042
34.00 0.95907 0.00032	21.00 0.93430 0.00041	18.00 0.92474 0.00044
35.00 0.96461 0.00029	21.25 0.93845 0.00040	18.25 0.93032 0.00044
36.00 0.97019 0.00030	21.50 0.94222 0.00041	18.50 0.93576 0.00044
37.00 0.97441 0.00031	22.50 0.95784 0.00040	18.75 0.94030 0.00043
38.00 0.97828 0.00029	22.75 0.96067 0.00040	19.00 0.94668 0.00044
39.00 0.98254 0.00029	23.00 0.96468 0.00040	19.25 0.95196 0.00045
40.00 0.98637 0.00031	23.25 0.96900 0.00040	19.50 0.95731 0.00044
41.00 0.98992 0.00028	23.50 0.97109 0.00038	19.75 0.96109 0.00043
42.00 0.99316 0.00029	23.75 0.97444 0.00039	20.00 0.96644 0.00043
43.00 0.99742 0.00029	24.00 0.97865 0.00038	20.25 0.97209 0.00044
44.00 0.99967 0.00027	24.25 0.98184 0.00037	20.50 0.97575 0.00041
45.00 1.00279 0.00028	24.50 0.98442 0.00038	20.75 0.98131 0.00042
46.00 1.00571 0.00027	24.75 0.98883 0.00038	21.00 0.98385 0.00044
47.00 1.00825 0.00027	25.00 0.99106 0.00036	21.25 0.98931 0.00043
48.00 1.01094 0.00027	25.25 0.99405 0.00037	21.50 0.99411 0.00041
49.00 1.01348 0.00027	25.50 0.99735 0.00038	21.75 0.99765 0.00042
50.00 1.01530 0.00027	25.75 0.99961 0.00039	22.00 1.00202 0.00041
	26.00 1.00252 0.00038	22.25 1.00540 0.00044
	26.25 1.00573 0.00037	22.50 1.00992 0.00041
	26.50 1.00863 0.00039	22.75 1.01340 0.00041
	26.75 1.01097 0.00037	23.00 1.01740 0.00042
	27.00 1.01340 0.00037	
	27.25 1.01544 0.00037	
	27.50 1.01886 0.00038	
	27.75 1.02083 0.00038	
	28.00 1.02262 0.00037	

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18	20	22
16.00 0.92738 0.00050	14.90 0.92456 0.00051	14.00 0.91599 0.00052
16.20 0.93377 0.00048	15.10 0.93119 0.00052	14.20 0.92343 0.00052
16.40 0.94080 0.00046	15.30 0.93641 0.00051	14.40 0.93084 0.00051
16.60 0.94662 0.00046	15.50 0.94328 0.00049	14.60 0.93905 0.00049
16.80 0.95244 0.00047	15.70 0.94981 0.00052	14.80 0.94543 0.00050
17.00 0.95783 0.00045	15.90 0.95605 0.00050	15.00 0.95308 0.00051
17.20 0.96166 0.00046	16.10 0.96185 0.00050	15.20 0.95941 0.00052
17.40 0.96745 0.00045	16.30 0.96860 0.00049	15.40 0.96633 0.00049
17.60 0.97287 0.00045	16.50 0.97389 0.00047	15.60 0.97341 0.00049
17.80 0.97740 0.00046	16.70 0.97949 0.00050	15.80 0.97994 0.00051
18.00 0.98231 0.00047	16.90 0.98613 0.00051	16.00 0.98542 0.00052
18.20 0.98802 0.00047	17.10 0.99092 0.00049	16.20 0.99297 0.00049
18.40 0.99152 0.00048	17.30 0.99642 0.00049	16.40 0.99838 0.00051
18.60 0.99605 0.00046	17.50 1.00172 0.00049	16.60 1.00428 0.00052
18.80 1.00083 0.00047	17.70 1.00665 0.00049	16.80 1.00931 0.00053
19.00 1.00650 0.00047	17.90 1.01159 0.00051	17.00 1.01500 0.00053
19.20 1.01069 0.00047	18.10 1.01647 0.00048	17.20 1.02014 0.00051
19.40 1.01505 0.00047	18.30 1.02197 0.00048	17.30 1.02214 0.00051
19.60 1.01846 0.00046	18.50 1.02677 0.00049	
19.80 1.02319 0.00045	18.70 1.03121 0.00047	
20.00 1.02840 0.00045	18.90 1.03742 0.00047	
	19.00 1.03770 0.00048	

24	25	26
13.00 0.89851 0.00051	13.00 0.90726 0.00052	13.00 0.91648 0.00055
13.20 0.90565 0.00051	13.20 0.91591 0.00055	13.10 0.92057 0.00054
13.40 0.91483 0.00053	13.40 0.92454 0.00052	13.20 0.92377 0.00054
13.60 0.92220 0.00053	13.60 0.93300 0.00051	13.30 0.92894 0.00054
13.80 0.93049 0.00051	13.80 0.94071 0.00053	13.40 0.93309 0.00053
14.00 0.93848 0.00051	14.00 0.94766 0.00053	13.50 0.93655 0.00053
14.20 0.94577 0.00050	14.20 0.95438 0.00053	13.60 0.94149 0.00054
14.40 0.95310 0.00053	14.40 0.96324 0.00053	13.70 0.94634 0.00053
14.60 0.96035 0.00054	14.60 0.96977 0.00053	13.80 0.95057 0.00055
14.80 0.96831 0.00052	14.80 0.97888 0.00053	14.40 0.97354 0.00053
15.00 0.97558 0.00053	15.00 0.98459 0.00053	14.50 0.97645 0.00054
15.20 0.98152 0.00052	15.20 0.99188 0.00048	14.60 0.97973 0.00055
15.40 0.99010 0.00052	15.40 0.99773 0.00054	14.70 0.98383 0.00056
15.60 0.99448 0.00052	15.60 1.00490 0.00052	14.80 0.98729 0.00053
15.80 1.00201 0.00052	15.80 1.01288 0.00053	14.90 0.99003 0.00057
16.00 1.00737 0.00051	16.00 1.01775 0.00052	15.30 1.00482 0.00052
16.20 1.01470 0.00051	16.20 1.02317 0.00053	15.40 1.00817 0.00054
16.40 1.02161 0.00051	16.40 1.03082 0.00054	15.50 1.01247 0.00052
16.60 1.02582 0.00050	16.60 1.03622 0.00053	15.60 1.01514 0.00051
16.80 1.03264 0.00052	16.80 1.04302 0.00051	16.00 1.02751 0.00052
	17.00 1.04853 0.00052	

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28	30	32
12.90 0.92855 0.00054	12.60 0.92865 0.00056	12.00 0.91314 0.00059
13.10 0.93599 0.00056	12.70 0.93381 0.00055	12.20 0.92210 0.00057
13.30 0.94492 0.00056	12.80 0.93782 0.00054	12.40 0.93154 0.00055
13.50 0.95408 0.00054	12.90 0.94263 0.00056	12.60 0.94138 0.00057
13.70 0.96186 0.00055	13.00 0.94532 0.00054	12.80 0.95067 0.00055
13.90 0.96997 0.00056	13.10 0.95104 0.00057	13.00 0.95981 0.00056
14.10 0.97815 0.00055	13.20 0.95487 0.00055	13.20 0.96816 0.00056
14.30 0.98614 0.00055	13.30 0.95940 0.00056	13.40 0.97682 0.00055
14.50 0.99301 0.00056	13.40 0.96373 0.00057	13.60 0.98597 0.00058
14.70 0.99988 0.00054	13.50 0.96839 0.00057	13.80 0.99286 0.00055
14.90 1.00775 0.00056	13.60 0.97251 0.00057	14.00 1.00126 0.00058
15.10 1.01448 0.00054	13.70 0.97716 0.00054	14.20 1.00921 0.00056
15.30 1.02103 0.00054	13.80 0.98133 0.00055	14.40 1.01789 0.00056
15.50 1.02884 0.00055	13.90 0.98597 0.00056	14.60 1.02519 0.00054
15.70 1.03585 0.00055	14.00 0.98818 0.00057	14.80 1.03252 0.00058
15.90 1.04086 0.00053	14.10 0.99343 0.00056	15.00 1.03957 0.00056
16.00 1.04409 0.00054	14.20 0.99574 0.00056	15.20 1.04711 0.00054
	14.30 1.00074 0.00056	15.40 1.05345 0.00056
	14.40 1.00399 0.00056	15.60 1.06070 0.00058
	14.50 1.00727 0.00057	15.80 1.06576 0.00055
	14.60 1.01222 0.00055	16.00 1.07197 0.00055
	14.70 1.01398 0.00055	
	14.80 1.01932 0.00055	
	14.90 1.02263 0.00053	
	15.00 1.02550 0.00055	

36	40	45
12.00 0.93270 0.00058	11.00 0.89748 0.00057	11.00 0.91423 0.00060
12.20 0.94253 0.00057	11.10 0.90208 0.00058	11.10 0.91868 0.00060
12.40 0.95334 0.00057	11.20 0.90850 0.00056	11.20 0.92614 0.00058
12.60 0.96151 0.00058	11.30 0.91368 0.00060	11.30 0.93128 0.00061
12.80 0.97113 0.00059	11.40 0.91799 0.00059	11.40 0.93623 0.00060
13.00 0.98174 0.00057	11.50 0.92454 0.00059	11.80 0.95800 0.00059
13.20 0.99006 0.00058	11.60 0.92995 0.00059	11.90 0.96107 0.00058
13.40 0.99955 0.00057	11.70 0.93489 0.00059	12.00 0.96853 0.00063
13.60 1.00772 0.00057	11.80 0.94075 0.00061	12.10 0.97220 0.00061
13.80 1.01495 0.00056	11.90 0.94550 0.00059	12.20 0.97731 0.00060
14.00 1.02338 0.00057	12.00 0.95087 0.00060	12.30 0.98243 0.00060
14.20 1.03097 0.00056	12.10 0.95598 0.00057	12.40 0.98816 0.00058
14.40 1.03916 0.00057	12.20 0.95908 0.00061	12.50 0.99199 0.00059
14.60 1.04760 0.00061	12.30 0.96576 0.00062	12.60 0.99660 0.00060
14.80 1.05456 0.00058	12.40 0.96985 0.00060	12.70 1.00140 0.00063
15.00 1.06051 0.00058	12.90 0.99377 0.00059	12.80 1.00601 0.00057
	13.00 0.99829 0.00058	12.90 1.01021 0.00062
	13.10 1.00348 0.00062	13.00 1.01591 0.00059
	13.20 1.00695 0.00059	13.10 1.01947 0.00063
	13.30 1.01095 0.00059	13.50 1.03734 0.00061
	13.40 1.01599 0.00058	13.60 1.04226 0.00061
	13.50 1.01965 0.00058	13.70 1.04550 0.00057
	13.60 1.02415 0.00059	13.80 1.05016 0.00057
	13.70 1.02747 0.00060	13.90 1.05494 0.00061
	13.80 1.03288 0.00058	14.00 1.05927 0.00060
	13.90 1.03724 0.00059	
	14.00 1.04115 0.00061	
	14.10 1.04490 0.00060	
	14.20 1.04823 0.00059	
	14.30 1.05290 0.00058	

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50	75	100
11.00 0.92726 0.00061	10.00 0.90428 0.00064	9.90 0.91320 0.00064
11.10 0.93239 0.00059	10.30 0.92211 0.00063	10.00 0.92045 0.00065
11.20 0.93735 0.00063	10.40 0.92872 0.00065	10.10 0.92677 0.00062
11.30 0.94388 0.00060	10.50 0.93557 0.00063	10.20 0.93282 0.00062
11.60 0.96033 0.00060	10.60 0.94027 0.00062	10.30 0.93785 0.00066
11.70 0.96466 0.00061	10.70 0.94762 0.00067	10.40 0.94457 0.00065
11.80 0.97098 0.00063	10.80 0.95178 0.00064	10.50 0.95005 0.00065
11.90 0.97626 0.00060	10.90 0.95841 0.00064	10.60 0.95658 0.00065
12.00 0.98156 0.00059	11.00 0.96434 0.00065	10.70 0.96006 0.00064
12.10 0.98565 0.00062	11.10 0.96793 0.00061	10.80 0.96762 0.00064
12.20 0.98944 0.00059	11.20 0.97551 0.00065	10.90 0.97277 0.00066
12.60 1.01058 0.00058	11.30 0.98226 0.00062	11.00 0.97945 0.00064
12.70 1.01449 0.00061	11.40 0.98649 0.00063	11.10 0.98435 0.00065
12.80 1.01971 0.00061	11.50 0.99162 0.00064	11.20 0.98877 0.00065
12.90 1.02441 0.00062	11.60 0.99661 0.00065	11.30 0.99467 0.00065
13.00 1.02842 0.00061	11.70 1.00221 0.00064	11.40 1.00037 0.00067
13.10 1.03584 0.00061	12.10 1.02342 0.00063	11.50 1.00544 0.00064
	12.20 1.02850 0.00063	11.60 1.01013 0.00063
	12.30 1.03248 0.00061	11.70 1.01570 0.00064
	12.40 1.03806 0.00066	11.80 1.02142 0.00067
		11.90 1.02601 0.00066
		12.00 1.03089 0.00065

150	200	350
9.80 0.91719 0.00064	9.80 0.91978 0.00064	10.00 0.92922 0.00064
9.87 0.92115 0.00065	9.87 0.92331 0.00066	10.10 0.93525 0.00065
9.94 0.92686 0.00066	9.94 0.92710 0.00068	10.20 0.94102 0.00065
10.01 0.93081 0.00064	10.01 0.93155 0.00067	10.70 0.96678 0.00063
10.08 0.93458 0.00067	10.08 0.93580 0.00065	10.80 0.97238 0.00067
10.15 0.93767 0.00066	10.15 0.94008 0.00063	10.90 0.97706 0.00065
10.22 0.94244 0.00064	10.22 0.94377 0.00066	11.00 0.98214 0.00065
10.29 0.94685 0.00065	10.29 0.94838 0.00065	11.10 0.98747 0.00065
10.36 0.95088 0.00065	10.36 0.95123 0.00065	11.20 0.99220 0.00065
10.43 0.95402 0.00064	10.43 0.95571 0.00069	11.30 0.99667 0.00065
10.50 0.95878 0.00066	10.50 0.95902 0.00064	11.40 1.00316 0.00065
10.57 0.96377 0.00065	10.57 0.96317 0.00066	11.50 1.00628 0.00066
10.64 0.96641 0.00066	10.64 0.96729 0.00066	11.60 1.01160 0.00066
10.71 0.97166 0.00066	10.71 0.97101 0.00066	11.70 1.01587 0.00064
10.78 0.97460 0.00063	10.78 0.97526 0.00065	11.80 1.02020 0.00065
10.85 0.97848 0.00065	10.85 0.97821 0.00062	11.90 1.02424 0.00066
10.92 0.98358 0.00065	10.92 0.98077 0.00065	12.00 1.02820 0.00064
10.99 0.98483 0.00064	11.34 1.00493 0.00063	
11.06 0.98959 0.00067	11.41 1.00828 0.00065	
11.13 0.99425 0.00066	11.48 1.01115 0.00063	
11.20 0.99833 0.00065	11.55 1.01404 0.00065	
11.27 1.00099 0.00066	11.60 1.01792 0.00068	
11.34 1.00491 0.00066		
11.40 1.00689 0.00066		

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500			750			1000		
9.90	0.92459	0.00064	9.77	0.92745	0.00063	9.40	0.92138	0.00063
10.00	0.93054	0.00064	9.84	0.93248	0.00064	9.75	0.94202	0.00064
10.10	0.93667	0.00066	9.91	0.93481	0.00065	9.82	0.94581	0.00065
10.20	0.94162	0.00067	9.98	0.93894	0.00061	9.89	0.94988	0.00062
10.70	0.96734	0.00062	10.05	0.94285	0.00065	9.96	0.95265	0.00065
10.80	0.97238	0.00064	10.12	0.94729	0.00064	10.03	0.95597	0.00065
10.90	0.97740	0.00063	10.19	0.95011	0.00063	10.10	0.96025	0.00064
11.00	0.98245	0.00065	10.40	0.96181	0.00063	10.17	0.96303	0.00066
11.10	0.98700	0.00064	10.47	0.96550	0.00063	10.24	0.96721	0.00065
11.20	0.99155	0.00065	10.54	0.96826	0.00065	10.31	0.97073	0.00062
11.30	0.99770	0.00064	10.82	0.98216	0.00066	10.38	0.97457	0.00064
11.40	1.00082	0.00063	10.89	0.98735	0.00065	10.45	0.97778	0.00064
11.50	1.00590	0.00065	10.96	0.98903	0.00064	10.52	0.98177	0.00065
11.80	1.01885	0.00062	11.03	0.99290	0.00061	10.59	0.98653	0.00066
			11.10	0.99728	0.00062	10.66	0.98977	0.00064
			11.17	0.99811	0.00066	10.73	0.99222	0.00062
			11.24	1.00236	0.00064	10.80	0.99540	0.00063
			11.31	1.00557	0.00064	10.87	1.00003	0.00064
			11.38	1.01003	0.00064	10.94	1.00376	0.00063
			11.45	1.01289	0.00064	11.00	1.00553	0.00064
			11.52	1.01598	0.00066			
			11.59	1.01888	0.00064			
1500			2000			2500		
8.80	0.91868	0.00062	8.00	0.89866	0.00064	7.90	0.92839	0.00063
8.90	0.92640	0.00064	8.10	0.90724	0.00063	8.00	0.93590	0.00061
9.00	0.93229	0.00063	8.20	0.91513	0.00062	8.10	0.94270	0.00062
9.10	0.93737	0.00064	8.30	0.92141	0.00062	8.20	0.95020	0.00061
9.20	0.94495	0.00063	8.40	0.92808	0.00062	8.30	0.95760	0.00060
9.30	0.95119	0.00062	8.50	0.93670	0.00064	8.40	0.96515	0.00063
9.40	0.95716	0.00064	8.60	0.94158	0.00065	8.50	0.97327	0.00062
9.50	0.96238	0.00061	8.70	0.94918	0.00063	8.60	0.97989	0.00064
9.60	0.96776	0.00061	8.80	0.95606	0.00064	8.70	0.98615	0.00063
9.70	0.97402	0.00062	8.90	0.96257	0.00062	8.80	0.99279	0.00063
9.80	0.97984	0.00066	9.00	0.96911	0.00063	8.90	0.99939	0.00063
9.90	0.98517	0.00065	9.10	0.97483	0.00061	9.00	1.00680	0.00064
10.00	0.99097	0.00064	9.20	0.98083	0.00060	9.10	1.01359	0.00063
10.10	0.99681	0.00064	9.30	0.98771	0.00064	9.20	1.01909	0.00060
10.20	1.00186	0.00064	9.40	0.99379	0.00062	9.30	1.02612	0.00063
10.30	1.00722	0.00064	9.50	0.99978	0.00061	9.40	1.03306	0.00064
10.40	1.01291	0.00061	9.60	1.00544	0.00062	9.50	1.03905	0.00063
10.50	1.01708	0.00063	9.70	1.01180	0.00061	9.60	1.04442	0.00061
10.60	1.02238	0.00062	9.80	1.01846	0.00061	9.70	1.05096	0.00064
10.70	1.02791	0.00064	9.90	1.02427	0.00063	9.80	1.05703	0.00063
10.80	1.03267	0.00065	10.00	1.02935	0.00063	9.90	1.06304	0.00065
10.90	1.03809	0.00063	10.10	1.03547	0.00062	10.00	1.06959	0.00061
11.00	1.04284	0.00062	10.20	1.04051	0.00061			
			10.30	1.04705	0.00061			

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3000	4000	5000
7.40 0.92069 0.00058	6.85 0.93325 0.00062	6.14 0.91463 0.00059
7.82 0.95673 0.00063	6.90 0.93863 0.00063	6.21 0.92298 0.00061
7.89 0.96157 0.00061	6.95 0.94284 0.00061	6.28 0.93058 0.00059
7.96 0.96687 0.00061	7.00 0.94855 0.00063	6.35 0.93889 0.00062
8.03 0.97247 0.00062	7.05 0.95282 0.00062	6.42 0.94702 0.00062
8.10 0.97783 0.00064	7.10 0.95742 0.00061	6.49 0.95398 0.00059
8.17 0.98431 0.00063	7.15 0.96243 0.00061	6.84 0.99032 0.00063
8.24 0.98831 0.00064	7.20 0.96766 0.00059	6.91 0.99707 0.00062
8.31 0.99494 0.00062	7.25 0.97132 0.00063	6.98 1.00517 0.00062
8.38 0.99914 0.00063	7.30 0.97626 0.00061	7.05 1.01194 0.00062
8.45 1.00394 0.00063	7.35 0.98152 0.00061	7.12 1.01794 0.00060
8.52 1.01011 0.00063	7.55 0.99929 0.00061	7.19 1.02524 0.00063
8.80 1.03047 0.00063	7.60 1.00311 0.00060	7.26 1.03215 0.00060
8.87 1.03468 0.00064	7.65 1.00627 0.00062	7.33 1.03912 0.00063
8.94 1.03912 0.00061	7.70 1.01142 0.00060	7.40 1.04638 0.00062
	7.75 1.01463 0.00062	7.47 1.05256 0.00061
	7.80 1.02122 0.00063	7.54 1.06002 0.00063
	7.85 1.02425 0.00061	7.60 1.06531 0.00062
	7.90 1.02870 0.00061	
	7.95 1.03333 0.00061	

6000	7000	7500
5.70 0.91453 0.00060	5.40 0.92241 0.00062	5.20 0.91780 0.00059
5.77 0.92340 0.00059	5.42 0.92514 0.00058	5.25 0.92424 0.00057
5.84 0.93205 0.00058	5.44 0.92696 0.00058	5.30 0.93180 0.00060
6.12 0.96482 0.00061	5.46 0.93047 0.00058	5.35 0.93803 0.00059
6.19 0.97317 0.00060	5.48 0.93302 0.00059	5.40 0.94559 0.00058
6.26 0.98169 0.00063	5.50 0.93561 0.00062	5.45 0.95317 0.00057
6.33 0.98852 0.00059	5.52 0.93866 0.00059	5.50 0.95831 0.00058
6.40 0.99748 0.00058	5.54 0.94149 0.00058	5.55 0.96564 0.00060
6.47 1.00496 0.00061	5.56 0.94318 0.00058	5.60 0.97174 0.00058
6.54 1.01317 0.00062	5.58 0.94745 0.00058	5.65 0.97879 0.00061
6.61 1.02109 0.00062	5.60 0.94991 0.00058	5.70 0.98540 0.00057
6.68 1.02832 0.00062	5.62 0.95209 0.00060	5.75 0.99179 0.00062
6.75 1.03646 0.00061	5.64 0.95421 0.00059	5.80 0.99918 0.00062
6.82 1.04431 0.00063	5.66 0.95692 0.00061	5.85 1.00519 0.00061
6.89 1.05085 0.00064	5.68 0.95965 0.00062	5.90 1.01051 0.00058
6.96 1.05885 0.00058	5.70 0.96138 0.00061	5.95 1.01724 0.00062
7.20 1.08448 0.00062	5.72 0.96505 0.00058	6.00 1.02456 0.00059
	5.74 0.96777 0.00061	
	5.76 0.96998 0.00061	
	5.78 0.97197 0.00060	
	5.80 0.97565 0.00062	
	5.82 0.97734 0.00060	
	5.84 0.97976 0.00060	
	5.86 0.98213 0.00061	
	5.88 0.98565 0.00060	
	5.90 0.98897 0.00063	
	5.92 0.99030 0.00059	
	5.94 0.99311 0.00061	
	5.96 0.99582 0.00062	
	5.98 0.99708 0.00059	
	6.00 0.99954 0.00060	
	6.02 1.00328 0.00059	
	6.04 1.00465 0.00058	
	6.06 1.00786 0.00058	
	6.08 1.01040 0.00063	
	6.10 1.01228 0.00063	

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8000	9000	10000
5.00 0.91085 0.00057	4.80 0.92027 0.00059	4.50 0.91134 0.00057
5.02 0.91405 0.00060	4.82 0.92367 0.00058	4.52 0.91511 0.00055
5.04 0.91582 0.00056	4.92 0.93932 0.00057	4.54 0.91803 0.00055
5.06 0.92029 0.00057	4.94 0.94314 0.00056	4.56 0.92223 0.00056
5.08 0.92090 0.00058	4.96 0.94566 0.00059	4.58 0.92478 0.00056
5.10 0.92456 0.00060	4.98 0.94872 0.00058	4.60 0.92794 0.00058
5.12 0.92729 0.00057	5.00 0.95130 0.00058	4.62 0.93126 0.00056
5.14 0.93001 0.00059	5.02 0.95492 0.00057	4.64 0.93539 0.00058
5.16 0.93306 0.00058	5.04 0.95653 0.00059	4.66 0.93699 0.00057
5.18 0.93597 0.00058	5.06 0.96091 0.00061	4.68 0.94137 0.00057
5.20 0.93910 0.00061	5.08 0.96285 0.00060	4.70 0.94431 0.00057
5.22 0.94090 0.00060	5.10 0.96646 0.00058	4.72 0.94702 0.00058
5.24 0.94406 0.00060	5.12 0.97015 0.00058	4.74 0.95136 0.00058
5.26 0.94767 0.00059	5.14 0.97290 0.00058	4.76 0.95448 0.00058
5.28 0.95022 0.00060	5.26 0.99074 0.00060	4.78 0.95875 0.00058
5.30 0.95247 0.00057	5.28 0.99299 0.00058	4.80 0.96007 0.00058
5.44 0.97258 0.00060	5.30 0.99616 0.00061	4.90 0.97612 0.00058
5.46 0.97565 0.00060	5.32 0.99956 0.00059	4.92 0.97907 0.00058
5.48 0.97736 0.00060	5.34 1.00219 0.00059	4.94 0.98252 0.00057
5.50 0.98014 0.00059		4.96 0.98684 0.00059
5.52 0.98315 0.00059		4.98 0.98901 0.00057
5.54 0.98513 0.00060		5.00 0.99224 0.00057
5.56 0.98953 0.00059		5.02 0.99451 0.00058
5.58 0.99229 0.00060		5.04 0.99874 0.00058
5.60 0.99440 0.00060		5.06 1.00088 0.00060
5.62 0.99623 0.00060		
5.64 0.99837 0.00059		
5.66 1.00214 0.00061		
5.68 1.00583 0.00059		
5.70 1.00836 0.00062		

15000	19600
3.62 0.92109 0.00053	3.00 0.91676 0.00048
3.64 0.92587 0.00053	3.02 0.92319 0.00050
3.72 0.94200 0.00053	3.04 0.92859 0.00052
3.74 0.94607 0.00052	3.06 0.93283 0.00053
3.76 0.95091 0.00055	3.08 0.93744 0.00052
3.78 0.95461 0.00053	3.10 0.94301 0.00051
3.80 0.95985 0.00055	3.14 0.95291 0.00051
3.82 0.96269 0.00055	3.16 0.95889 0.00051
3.84 0.96664 0.00056	3.18 0.96237 0.00054
3.86 0.97088 0.00052	3.20 0.96891 0.00052
3.88 0.97494 0.00055	3.22 0.97277 0.00051
3.90 0.97886 0.00054	3.24 0.97834 0.00055
3.92 0.98356 0.00055	3.26 0.98312 0.00050
3.94 0.98750 0.00055	3.28 0.98842 0.00052
3.96 0.99145 0.00055	3.30 0.99336 0.00050
4.06 1.01192 0.00055	3.32 0.99752 0.00054
4.08 1.01555 0.00054	3.34 1.00334 0.00053
4.10 1.02037 0.00056	3.36 1.00815 0.00052
	3.38 1.01198 0.00056
	3.40 1.01780 0.00053

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sumtable.u5-sp-0013-00											
			20			25			30		
999.98	0.04049	0.00002	999.98	0.05018	0.00002	999.98	0.05981	0.00002			
999.99	0.04049	0.00002	999.99	0.05018	0.00002	999.99	0.05981	0.00002			
			40			45			50		
999.98	0.07859	0.00003	999.98	0.08766	0.00004	999.98	0.09680	0.00004			
999.99	0.07859	0.00003	999.99	0.08766	0.00004	999.99	0.09680	0.00004			
			55			60			65		
999.98	0.10566	0.00004	999.98	0.11447	0.00005	999.98	0.12309	0.00005			
999.99	0.10566	0.00004	999.99	0.11447	0.00005	999.99	0.12309	0.00005			
			70			80			100		
999.98	0.13149	0.00005	999.98	0.14847	0.00006	999.98	0.18070	0.00007			
999.99	0.13149	0.00005	999.99	0.14847	0.00006	999.99	0.18070	0.00007			
			130			150			170		
999.98	0.22565	0.00009	999.98	0.25433	0.00010	999.98	0.28148	0.00012			
999.99	0.22565	0.00009	999.99	0.25433	0.00010	999.99	0.28148	0.00012			
			200			350			500		
999.98	0.31987	0.00013	999.98	0.47773	0.00019	999.98	0.59494	0.00025			
999.99	0.31987	0.00013	999.99	0.47773	0.00019	999.99	0.59494	0.00025			
			800			1000			1500		
999.98	0.75713	0.00031	999.98	0.83142	0.00034	999.98	0.94924	0.00045			
999.99	0.75713	0.00031	999.99	0.83142	0.00034	999.99	0.94924	0.00045			
			1700			1900			2000		
999.98	0.98058	0.00043	40.00	0.91503	0.00057	40.00	0.92489	0.00060			
999.99	0.98058	0.00043	45.00	0.92944	0.00060	42.50	0.93340	0.00060			
			50.00	0.94552	0.00055	45.00	0.94044	0.00060			
			55.00	0.95316	0.00059	47.50	0.94868	0.00062			
			60.00	0.96284	0.00050	50.00	0.95488	0.00055			
			65.00	0.96734	0.00053	52.50	0.95950	0.00060			
			70.00	0.97285	0.00050	55.00	0.96466	0.00058			
			75.00	0.97778	0.00051	57.50	0.96891	0.00060			
			80.00	0.97885	0.00053	60.00	0.97098	0.00058			
			85.00	0.98160	0.00051	62.50	0.97591	0.00053			
			90.00	0.98447	0.00048	65.00	0.97714	0.00054			
			95.00	0.98721	0.00048	67.50	0.98084	0.00056			
			100.00	0.98816	0.00050	70.00	0.98206	0.00054			
			105.00	0.98892	0.00047	72.50	0.98418	0.00051			
			110.00	0.99037	0.00051	75.00	0.98593	0.00053			
			115.00	0.99239	0.00051	77.50	0.98945	0.00055			
			120.00	0.99515	0.00051	80.00	0.98845	0.00054			
			125.00	0.99476	0.00048	82.50	0.99082	0.00052			
			130.00	0.99470	0.00053	85.00	0.99257	0.00053			
			135.00	0.99620	0.00049	87.50	0.99270	0.00053			
			140.00	0.99719	0.00049	90.00	0.99418	0.00052			
			145.00	0.99668	0.00046	92.50	0.99670	0.00048			
			150.00	0.99661	0.00049	95.00	0.99693	0.00048			
			155.00	0.99799	0.00046	97.50	0.99988	0.00051			
			160.00	0.99809	0.00048	100.00	0.99913	0.00052			
			165.00	0.99807	0.00048	102.50	0.99999	0.00048			
			170.00	0.99934	0.00049	105.00	1.00106	0.00051			
			175.00	0.99966	0.00045	107.50	1.00065	0.00051			
			180.00	0.99959	0.00049	110.00	1.00252	0.00052			
			185.00	1.00009	0.00050						
			190.00	1.00068	0.00047						
			195.00	1.00027	0.00048						
			200.00	1.00203	0.00048						

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2100	2300	2500
40.00 0.93253 0.00062	36.00 0.92946 0.00063	35.00 0.93635 0.00066
42.00 0.94052 0.00061	37.00 0.93497 0.00062	36.00 0.94233 0.00064
44.00 0.94613 0.00056	38.00 0.94001 0.00059	37.00 0.94673 0.00064
46.00 0.95300 0.00059	39.00 0.94423 0.00061	38.00 0.95047 0.00066
48.00 0.95832 0.00055	40.00 0.94986 0.00064	39.00 0.95485 0.00068
50.00 0.96378 0.00056	41.00 0.95298 0.00060	40.00 0.95961 0.00065
52.00 0.96694 0.00058	42.00 0.95348 0.00062	41.00 0.96428 0.00064
54.00 0.96998 0.00057	43.00 0.95980 0.00059	42.00 0.96729 0.00063
56.00 0.97388 0.00058	44.00 0.96164 0.00060	43.00 0.97031 0.00066
58.00 0.97824 0.00062	45.00 0.96505 0.00063	44.00 0.97358 0.00067
60.00 0.97955 0.00058	46.00 0.96777 0.00063	45.00 0.97703 0.00062
62.00 0.98205 0.00056	47.00 0.97105 0.00067	46.00 0.98154 0.00060
64.00 0.98532 0.00053	48.00 0.97407 0.00061	47.00 0.98289 0.00063
66.00 0.98716 0.00053	49.00 0.97565 0.00058	48.00 0.98734 0.00061
68.00 0.99076 0.00056	50.00 0.97928 0.00061	49.00 0.98827 0.00062
70.00 0.99141 0.00056	51.00 0.97966 0.00058	50.00 0.99043 0.00055
72.00 0.99419 0.00052	52.00 0.98107 0.00059	51.00 0.99345 0.00063
74.00 0.99450 0.00052	53.00 0.98442 0.00059	52.00 0.99543 0.00061
76.00 0.99635 0.00053	54.00 0.98494 0.00055	53.00 0.99647 0.00059
78.00 0.99805 0.00057	55.00 0.98837 0.00056	54.00 0.99916 0.00061
80.00 0.99851 0.00050	56.00 0.99154 0.00057	55.00 1.00029 0.00054
82.00 0.99972 0.00057	57.00 0.99231 0.00060	56.00 1.00265 0.00059
84.00 1.00208 0.00056	58.00 0.99282 0.00060	57.00 1.00351 0.00058
	59.00 0.99359 0.00056	58.00 1.00540 0.00062
	60.00 0.99811 0.00055	59.00 1.00669 0.00058
	61.00 0.99735 0.00056	60.00 1.00983 0.00056
	62.00 1.00045 0.00055	61.00 1.01041 0.00060
	63.00 0.99876 0.00060	62.00 1.01175 0.00061
	64.00 1.00150 0.00057	63.00 1.01316 0.00054
	65.00 1.00475 0.00057	64.00 1.01270 0.00057
	66.00 1.00362 0.00057	65.00 1.01377 0.00056
	67.00 1.00383 0.00057	
	68.00 1.00654 0.00050	
	69.00 1.00560 0.00055	
	70.00 1.00702 0.00053	

2700	3000	3500
30.00 0.91034 0.00072	30.00 0.92165 0.00068	30.00 0.93325 0.00073
31.00 0.91943 0.00064	31.00 0.92959 0.00068	30.50 0.93598 0.00073
32.00 0.92457 0.00069	32.00 0.93750 0.00067	31.00 0.94067 0.00066
33.00 0.93254 0.00070	33.00 0.94311 0.00071	31.50 0.94426 0.00068
34.00 0.93875 0.00065	34.00 0.94971 0.00069	32.00 0.94747 0.00073
35.00 0.94507 0.00065	35.00 0.95550 0.00062	32.50 0.94938 0.00073
36.00 0.95136 0.00062	36.00 0.96106 0.00072	33.00 0.95525 0.00069
37.00 0.95657 0.00065	37.00 0.96871 0.00068	33.50 0.95845 0.00068
38.00 0.96218 0.00067	38.00 0.97360 0.00065	34.00 0.96138 0.00073
39.00 0.96573 0.00068	39.00 0.97672 0.00064	34.50 0.96407 0.00070
40.00 0.96963 0.00067	40.00 0.98243 0.00070	35.00 0.96782 0.00070
41.00 0.97417 0.00060	41.00 0.98457 0.00066	35.50 0.97024 0.00068
42.00 0.97519 0.00071	42.00 0.99015 0.00061	36.00 0.97338 0.00069
43.00 0.98069 0.00060	43.00 0.99185 0.00064	36.50 0.97407 0.00068
44.00 0.98449 0.00066	44.00 0.99383 0.00064	37.00 0.97682 0.00075
45.00 0.98794 0.00062	45.00 0.99937 0.00069	37.50 0.97986 0.00068
46.00 0.99182 0.00061	46.00 1.00168 0.00066	38.00 0.98505 0.00065
47.00 0.99355 0.00067	47.00 1.00420 0.00066	38.50 0.98455 0.00070
48.00 0.99436 0.00064	48.00 1.00758 0.00063	39.00 0.98830 0.00067

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49.00	0.99965	0.00065	49.00	1.00964	0.00059	39.50	0.99058	0.00068
50.00	1.00175	0.00063	50.00	1.01091	0.00062	40.00	0.99091	0.00069
51.00	1.00340	0.00064	51.00	1.01305	0.00059	40.50	0.99286	0.00068
52.00	1.00550	0.00056	52.00	1.01557	0.00064	41.00	0.99716	0.00071
53.00	1.00761	0.00061				41.50	1.00035	0.00068
54.00	1.01012	0.00059				42.00	1.00016	0.00068
55.00	1.01045	0.00060				42.50	1.00054	0.00067
56.00	1.01293	0.00061				43.00	1.00326	0.00067
57.00	1.01376	0.00060				43.50	1.00452	0.00069
58.00	1.01527	0.00063				44.00	1.00701	0.00064
59.00	1.01577	0.00057				44.50	1.00758	0.00070
60.00	1.01863	0.00060				45.00	1.01039	0.00067

4000	4500	5000						
29.00	0.92762	0.00068	30.00	0.93503	0.00072	30.00	0.93189	0.00078
29.50	0.93225	0.00074	30.50	0.93885	0.00073	30.50	0.93608	0.00070
30.00	0.93674	0.00073	31.00	0.94191	0.00072	31.00	0.94200	0.00068
30.50	0.94135	0.00069	31.50	0.94903	0.00080	31.50	0.94326	0.00077
31.00	0.94356	0.00074	32.00	0.95099	0.00076	32.00	0.94686	0.00071
31.50	0.94832	0.00072	32.50	0.95530	0.00073	32.50	0.95223	0.00079
32.00	0.95234	0.00068	33.00	0.95745	0.00075	33.00	0.95476	0.00076
32.50	0.95385	0.00074	33.50	0.96173	0.00075	33.50	0.95916	0.00071
33.00	0.95893	0.00072	34.00	0.96512	0.00071	34.00	0.96206	0.00072
33.50	0.96096	0.00073	34.50	0.96741	0.00076	34.50	0.96416	0.00070
34.00	0.96388	0.00069	35.00	0.97239	0.00073	35.00	0.96742	0.00071
34.50	0.96804	0.00075	35.50	0.97480	0.00071	35.50	0.97176	0.00071
35.00	0.96918	0.00067	36.00	0.97675	0.00067	36.00	0.97291	0.00070
35.50	0.97370	0.00072	36.50	0.97865	0.00070	36.50	0.97496	0.00067
36.00	0.97691	0.00074	37.00	0.98199	0.00072	37.00	0.97854	0.00071
36.50	0.97999	0.00073	37.50	0.98317	0.00072	37.50	0.98011	0.00068
37.00	0.98268	0.00066	38.00	0.98769	0.00075	38.00	0.98294	0.00069
37.50	0.98528	0.00069	38.50	0.98993	0.00073	38.50	0.98681	0.00080
38.00	0.98778	0.00068	39.00	0.99119	0.00073	39.00	0.98813	0.00069
38.50	0.98964	0.00069	39.50	0.99403	0.00071	39.50	0.99222	0.00069
39.00	0.99129	0.00073	40.00	0.99580	0.00068	40.00	0.99138	0.00070
39.50	0.99631	0.00067	40.50	0.99870	0.00075	40.50	0.99328	0.00071
40.00	0.99745	0.00069	41.00	0.99913	0.00071	41.00	0.99442	0.00073
40.50	0.99820	0.00067	41.50	1.00240	0.00069	41.50	1.00006	0.00067
41.00	1.00202	0.00064	42.00	1.00399	0.00070	42.00	0.99960	0.00075
41.50	1.00153	0.00069	42.50	1.00636	0.00071	42.50	1.00205	0.00075
42.00	1.00422	0.00074	43.00	1.00954	0.00072	43.00	1.00265	0.00072
42.50	1.00416	0.00071	43.50	1.00783	0.00071	43.50	1.00279	0.00071
43.00	1.00887	0.00070	44.00	1.01124	0.00069	44.00	1.00778	0.00069
						44.50	1.01017	0.00070
						45.00	1.01103	0.00068

5500	6000	7000						
30.00	0.92521	0.00073	30.00	0.91890	0.00074	30.00	0.89688	0.00073
31.00	0.93372	0.00079	31.00	0.92629	0.00076	31.00	0.90639	0.00073
32.00	0.94019	0.00079	32.00	0.93433	0.00071	32.00	0.91340	0.00075
33.00	0.94918	0.00076	33.00	0.93875	0.00078	33.00	0.92023	0.00076
34.00	0.95642	0.00076	34.00	0.94829	0.00073	34.00	0.92675	0.00073
35.00	0.96196	0.00075	35.00	0.95408	0.00074	35.00	0.93141	0.00075

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36.00	0.96759	0.00073	36.00	0.95860	0.00071	36.00	0.93809	0.00073
37.00	0.97252	0.00075	37.00	0.96260	0.00074	37.00	0.94230	0.00070
38.00	0.97799	0.00075	38.00	0.96880	0.00071	38.00	0.94771	0.00069
39.00	0.98214	0.00077	39.00	0.97227	0.00074	39.00	0.95322	0.00077
40.00	0.98587	0.00073	40.00	0.97810	0.00067	40.00	0.95638	0.00072
41.00	0.99083	0.00077	41.00	0.98122	0.00068	41.00	0.96196	0.00077
42.00	0.99452	0.00075	42.00	0.98517	0.00071	42.00	0.96524	0.00069
43.00	0.99872	0.00074	43.00	0.98781	0.00073	43.00	0.96810	0.00073
44.00	0.99973	0.00069	44.00	0.99301	0.00070	44.00	0.97178	0.00068
45.00	1.00366	0.00065	45.00	0.99558	0.00071	45.00	0.97402	0.00071
46.00	1.00627	0.00071	46.00	0.99918	0.00068	46.00	0.97772	0.00072
47.00	1.01037	0.00069	47.00	1.00010	0.00071	47.00	0.97960	0.00069
48.00	1.01369	0.00074	48.00	1.00395	0.00071	48.00	0.98220	0.00070
49.00	1.01424	0.00069	49.00	1.00797	0.00074	49.00	0.98458	0.00073
50.00	1.01735	0.00070	50.00	1.01051	0.00068	50.00	0.98690	0.00067
						51.00	0.99055	0.00069
						52.00	0.99341	0.00074
						53.00	0.99254	0.00071
						54.00	0.99611	0.00067
						55.00	0.99840	0.00069
						56.00	0.99752	0.00073
						57.00	1.00053	0.00066
						58.00	1.00072	0.00065
						59.00	1.00411	0.00066
						60.00	1.00520	0.00067

7500	8000	9000						
30.00	0.88545	0.00077	40.00	0.92968	0.00075	999.98	0.99150	0.00063
32.00	0.89951	0.00070	42.00	0.93883	0.00074	999.99	0.99150	0.00063
34.00	0.91357	0.00073	44.00	0.94694	0.00067			
36.00	0.92742	0.00071	46.00	0.95200	0.00067			
38.00	0.93525	0.00071	48.00	0.95860	0.00070			
40.00	0.94453	0.00072	50.00	0.96050	0.00070			
42.00	0.95284	0.00074	52.00	0.96557	0.00071			
44.00	0.95938	0.00073	54.00	0.97084	0.00070			
46.00	0.96563	0.00072	56.00	0.97269	0.00069			
48.00	0.97015	0.00069	58.00	0.97598	0.00068			
50.00	0.97454	0.00069	60.00	0.98031	0.00067			
52.00	0.97696	0.00074	62.00	0.98047	0.00067			
54.00	0.98283	0.00071	64.00	0.98374	0.00070			
56.00	0.98723	0.00071	66.00	0.98520	0.00068			
58.00	0.99013	0.00069	68.00	0.98916	0.00070			
60.00	0.99158	0.00069	70.00	0.98998	0.00068			
62.00	0.99645	0.00069	72.00	0.99210	0.00068			
64.00	0.99886	0.00066	74.00	0.99291	0.00066			
66.00	1.00007	0.00070	76.00	0.99407	0.00067			
68.00	1.00242	0.00068	78.00	0.99681	0.00066			
70.00	1.00383	0.00068	80.00	0.99705	0.00066			
			82.00	0.99862	0.00066			
			84.00	1.00068	0.00065			
			86.00	1.00087	0.00068			
			88.00	1.00159	0.00069			
			90.00	1.00446	0.00066			
			92.00	1.00231	0.00067			
			94.00	1.00628	0.00068			
			96.00	1.00418	0.00067			
			98.00	1.00494	0.00067			
			100.00	1.00503	0.00068			

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10000			15000			18900		
999.98	0.95856	0.00065	999.98	0.74393	0.00056	999.98	0.54866	0.00047
999.99	0.95856	0.00065	999.99	0.74393	0.00056	999.99	0.54866	0.00047
<b>sumtable.u5-sp-0013-01</b>								
20			25			30		
999.98	0.04049	0.00002	999.98	0.05018	0.00002	999.98	0.05981	0.00002
999.99	0.04049	0.00002	999.99	0.05018	0.00002	999.99	0.05981	0.00002
40			45			50		
999.98	0.07859	0.00003	999.98	0.08766	0.00004	999.98	0.09680	0.00004
999.99			999.99	0.08766	0.00004	999.99	0.09680	0.00004
55			60			65		
999.98	0.10566	0.00004	999.98	0.11447	0.00005	999.98	0.12309	0.00005
999.99	0.10566	0.00004	999.99	0.11447	0.00005	999.99	0.12309	0.00005
70			80			100		
999.98	0.13149	0.00005	999.98	0.14847	0.00006	999.98	0.18070	0.00007
999.99	0.13149	0.00005	999.99	0.14847	0.00006	999.99	0.18070	0.00007
130			150			170		
999.98	0.22565	0.00009	999.98	0.25433	0.00010	999.98	0.28148	0.00012
999.99	0.22565	0.00009	999.99	0.25433	0.00010	999.99	0.28148	0.00012
200			350			500		
999.98	0.31987	0.00013	999.98	0.47773	0.00019	999.98	0.59494	0.00025
999.99	0.31987	0.00013	999.99	0.47773	0.00019	999.99	0.59494	0.00025
800			1000			1500		
999.98	0.75713	0.00031	999.98	0.83142	0.00034	999.99	0.94924	0.00045
999.99	0.75713	0.00031	999.99	0.83142	0.00034			
1700			1900			2000		
999.98	0.98058	0.00043	40.00	0.92040	0.00059	40.00	0.93036	0.00061
999.99	0.98058	0.00043	45.00	0.93558	0.00053	42.50	0.93813	0.00060
			50.00	0.94716	0.00058	45.00	0.94743	0.00058
			55.00	0.95742	0.00052	47.50	0.95252	0.00058
			60.00	0.96320	0.00053	50.00	0.95709	0.00056
			65.00	0.97081	0.00049	52.50	0.96275	0.00054
			70.00	0.97439	0.00049	55.00	0.96626	0.00058
			75.00	0.97731	0.00050	57.50	0.96862	0.00056
			80.00	0.98111	0.00053	60.00	0.97455	0.00055
			85.00	0.98266	0.00051	62.50	0.97558	0.00053
			90.00	0.98467	0.00049	65.00	0.97944	0.00054
			95.00	0.98633	0.00051	67.50	0.98089	0.00054
			100.00	0.98983	0.00049	70.00	0.98357	0.00051
			105.00	0.99061	0.00048	72.50	0.98627	0.00050
			110.00	0.99211	0.00049	75.00	0.98907	0.00050
			115.00	0.99202	0.00049	77.50	0.98871	0.00052
			120.00	0.99352	0.00048	80.00	0.99119	0.00051
			125.00	0.99408	0.00050	82.50	0.99326	0.00052
			130.00	0.99452	0.00052	85.00	0.99278	0.00054
			135.00	0.99476	0.00048	87.50	0.99487	0.00052
			140.00	0.99610	0.00048	90.00	0.99701	0.00053
			145.00	0.99793	0.00048	92.50	0.99649	0.00052

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150.00	0.99679	0.00049
155.00	0.99784	0.00048
160.00	0.99753	0.00048
165.00	0.99874	0.00046
170.00	0.99937	0.00043
175.00	1.00088	0.00048
180.00	1.00047	0.00043
185.00	1.00027	0.00047
190.00	1.00128	0.00048
195.00	1.00176	0.00048
200.00	1.00132	0.00048
95.00	0.99689	0.00049
97.50	0.99690	0.00051
100.00	0.99786	0.00054
102.50	1.00133	0.00053
105.00	0.99945	0.00052
107.50	1.00122	0.00050
110.00	1.00285	0.00050
112.50	1.00269	0.00050
115.00	1.00251	0.00052
117.50	1.00220	0.00049
120.00	1.00457	0.00049

2100	2300	2500
40.00	0.93873	0.00060
42.00	0.94679	0.00059
44.00	0.95077	0.00058
46.00	0.95664	0.00061
48.00	0.96220	0.00058
50.00	0.96671	0.00057
52.00	0.97036	0.00059
54.00	0.97442	0.00055
56.00	0.97781	0.00057
58.00	0.97784	0.00053
60.00	0.98402	0.00056
62.00	0.98460	0.00056
64.00	0.98703	0.00053
66.00	0.98863	0.00053
68.00	0.99160	0.00058
70.00	0.99208	0.00051
72.00	0.99352	0.00051
74.00	0.99734	0.00056
76.00	0.99887	0.00053
78.00	0.99844	0.00055
80.00	1.00051	0.00053
82.00	1.00334	0.00051
84.00	1.00294	0.00053
86.00	1.00367	0.00051
88.00	1.00435	0.00052
90.00	1.00483	0.00051
35.00	0.93262	0.00066
36.00	0.93916	0.00059
37.00	0.94211	0.00063
38.00	0.94657	0.00058
39.00	0.95076	0.00061
40.00	0.95384	0.00061
41.00	0.95814	0.00059
42.00	0.96023	0.00061
43.00	0.96267	0.00062
44.00	0.96701	0.00061
45.00	0.97035	0.00055
46.00	0.97286	0.00062
47.00	0.97455	0.00063
48.00	0.97836	0.00060
49.00	0.97953	0.00059
50.00	0.98186	0.00059
51.00	0.98343	0.00060
52.00	0.98523	0.00055
53.00	0.98793	0.00057
54.00	0.98876	0.00058
55.00	0.99054	0.00060
56.00	0.99172	0.00061
57.00	0.99367	0.00058
58.00	0.99624	0.00055
59.00	0.99623	0.00057
60.00	0.99709	0.00056
61.00	0.99969	0.00056
62.00	0.99941	0.00057
63.00	1.00184	0.00055
64.00	1.00388	0.00057
65.00	1.00280	0.00058
33.00	0.93380	0.00066
34.00	0.94050	0.00064
35.00	0.94410	0.00066
36.00	0.95089	0.00063
37.00	0.95442	0.00064
38.00	0.95810	0.00063
39.00	0.96388	0.00062
40.00	0.96660	0.00064
41.00	0.96949	0.00065
42.00	0.97346	0.00062
43.00	0.97625	0.00056
44.00	0.97992	0.00062
45.00	0.98236	0.00060
46.00	0.98493	0.00060
47.00	0.98708	0.00059
48.00	0.99015	0.00060
49.00	0.99274	0.00059
50.00	0.99509	0.00060
51.00	0.99818	0.00064
52.00	0.99855	0.00057
53.00	1.00020	0.00060
54.00	1.00285	0.00059
55.00	1.00324	0.00056

2700	3000	3500
30.00	0.92268	0.00067
31.00	0.93034	0.00068
32.00	0.93685	0.00067
33.00	0.94315	0.00067
34.00	0.94993	0.00066
35.00	0.95497	0.00067
36.00	0.95924	0.00066
29.00	0.92651	0.00071
30.00	0.93345	0.00071
31.00	0.94352	0.00069
32.00	0.94673	0.00067
33.00	0.95389	0.00069
34.00	0.95993	0.00069
35.00	0.96412	0.00071
28.00	0.92841	0.00068
29.00	0.93889	0.00073
30.00	0.94549	0.00070
31.00	0.95167	0.00068
32.00	0.95721	0.00073
33.00	0.96371	0.00071
34.00	0.97024	0.00066

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37.00	0.96306	0.00065	36.00	0.97026	0.00062	35.00	0.97572	0.00075
38.00	0.96893	0.00064	37.00	0.97480	0.00066	36.00	0.98185	0.00074
39.00	0.97230	0.00063	38.00	0.98019	0.00064	37.00	0.98685	0.00068
40.00	0.97701	0.00067	39.00	0.98399	0.00069	38.00	0.99028	0.00067
41.00	0.97876	0.00062	40.00	0.98782	0.00065	39.00	0.99403	0.00066
42.00	0.98273	0.00064	41.00	0.99015	0.00061	40.00	0.99843	0.00065
43.00	0.98496	0.00067	42.00	0.99567	0.00063	41.00	1.00274	0.00067
44.00	0.98817	0.00062	43.00	0.99695	0.00062	42.00	1.00568	0.00068
45.00	0.99256	0.00063	44.00	1.00232	0.00067	43.00	1.00900	0.00066
46.00	0.99581	0.00061	45.00	1.00222	0.00063	44.00	1.01142	0.00071
47.00	0.99883	0.00060	46.00	1.00419	0.00067	45.00	1.01405	0.00069
48.00	1.00083	0.00062	47.00	1.00708	0.00064	46.00	1.01731	0.00063
49.00	1.00293	0.00061	48.00	1.01157	0.00061	47.00	1.01774	0.00069
50.00	1.00439	0.00064	49.00	1.01359	0.00061	48.00	1.02282	0.00062
51.00	1.00643	0.00058	50.00	1.01582	0.00062	49.00	1.02447	0.00067
52.00	1.00825	0.00060				50.00	1.02724	0.00064
53.00	1.00932	0.00061						
54.00	1.01111	0.00059						

4000	4500	5000						
28.00	0.93195	0.00072	28.00	0.93291	0.00074	28.00	0.93131	0.00076
28.50	0.93738	0.00075	28.50	0.93595	0.00070	28.50	0.93389	0.00070
29.00	0.94088	0.00073	29.00	0.94122	0.00075	29.00	0.93832	0.00069
29.50	0.94470	0.00071	29.50	0.94548	0.00076	29.50	0.94251	0.00074
30.00	0.94935	0.00072	30.00	0.94881	0.00071	30.00	0.94499	0.00071
30.50	0.95188	0.00072	30.50	0.95245	0.00078	30.50	0.95005	0.00074
31.00	0.95800	0.00070	31.00	0.95622	0.00068	31.00	0.95127	0.00072
31.50	0.96045	0.00067	31.50	0.96004	0.00074	31.50	0.95600	0.00069
32.00	0.96189	0.00074	32.00	0.96205	0.00075	32.00	0.95949	0.00072
32.50	0.96635	0.00068	32.50	0.96624	0.00072	32.50	0.96373	0.00072
33.00	0.96702	0.00075	33.00	0.96924	0.00073	33.00	0.96574	0.00068
33.50	0.97223	0.00074	33.50	0.97320	0.00071	33.50	0.96814	0.00074
34.00	0.97336	0.00068	34.00	0.97495	0.00069	34.00	0.97088	0.00068
34.50	0.97909	0.00068	34.50	0.97780	0.00072	34.50	0.97502	0.00070
35.00	0.98032	0.00066	35.00	0.98160	0.00075	35.00	0.97590	0.00071
35.50	0.98220	0.00071	35.50	0.98389	0.00070	35.50	0.97898	0.00071
36.00	0.98503	0.00074	36.00	0.98532	0.00067	36.00	0.98284	0.00063
36.50	0.98832	0.00066	36.50	0.98677	0.00072	36.50	0.98404	0.00069
37.00	0.99086	0.00065	37.00	0.99061	0.00071	37.00	0.98745	0.00070
37.50	0.99289	0.00071	37.50	0.99450	0.00071	37.50	0.98988	0.00072
38.00	0.99471	0.00071	38.00	0.99454	0.00068	38.00	0.99277	0.00067
38.50	0.99585	0.00065	38.50	0.99782	0.00069	38.50	0.99285	0.00069
39.00	0.99869	0.00072	39.00	0.99899	0.00069	39.00	0.99598	0.00070
39.50	1.00124	0.00070	39.50	1.00257	0.00066	39.50	0.99731	0.00069
40.00	1.00356	0.00069	40.00	1.00398	0.00072	40.00	0.99934	0.00068
40.50	1.00294	0.00064	40.50	1.00452	0.00069	40.50	1.00089	0.00070
41.00	1.00720	0.00072	41.00	1.00848	0.00074	41.00	1.00265	0.00069
41.50	1.00792	0.00074	41.50	1.00835	0.00070	41.50	1.00447	0.00070
42.00	1.01084	0.00068	42.00	1.01009	0.00070	42.00	1.00650	0.00069
						42.50	1.00849	0.00066
						43.00	1.00907	0.00069
						43.50	1.01192	0.00073
						44.00	1.01234	0.00067

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5500	6000	7000
30.00 0.94000 0.00069	30.00 0.93138 0.00073	30.00 0.91180 0.00073
30.50 0.94282 0.00080	31.00 0.93835 0.00073	31.00 0.91976 0.00070
31.00 0.94693 0.00074	32.00 0.94726 0.00077	32.00 0.92533 0.00077
31.50 0.94960 0.00075	33.00 0.95191 0.00075	33.00 0.93162 0.00074
32.00 0.95604 0.00073	34.00 0.95586 0.00072	34.00 0.93652 0.00069
32.50 0.95629 0.00077	35.00 0.96309 0.00071	35.00 0.94103 0.00070
33.00 0.95923 0.00074	36.00 0.96717 0.00072	36.00 0.94730 0.00073
33.50 0.96225 0.00075	37.00 0.97454 0.00074	37.00 0.95184 0.00071
34.00 0.96486 0.00074	38.00 0.97736 0.00073	38.00 0.95724 0.00073
34.50 0.97013 0.00070	39.00 0.98032 0.00070	39.00 0.96148 0.00075
35.00 0.97118 0.00071	40.00 0.98330 0.00073	40.00 0.96305 0.00074
35.50 0.97504 0.00071	41.00 0.98743 0.00068	41.00 0.96728 0.00069
36.00 0.97544 0.00068	42.00 0.99419 0.00070	42.00 0.97035 0.00071
36.50 0.97883 0.00073	43.00 0.99473 0.00078	43.00 0.97542 0.00071
37.00 0.98118 0.00067	44.00 0.99979 0.00071	44.00 0.97564 0.00071
37.50 0.98380 0.00072	45.00 1.00075 0.00070	45.00 0.98124 0.00071
38.00 0.98363 0.00076	46.00 1.00440 0.00072	46.00 0.98039 0.00070
38.50 0.98719 0.00075	47.00 1.00623 0.00069	47.00 0.98518 0.00072
39.00 0.98965 0.00077	48.00 1.00841 0.00069	48.00 0.98785 0.00070
39.50 0.99165 0.00069	49.00 1.01064 0.00068	49.00 0.98680 0.00070
40.00 0.99546 0.00072	50.00 1.01346 0.00071	50.00 0.99114 0.00068
40.50 0.99365 0.00068		51.00 0.99553 0.00067
41.00 0.99822 0.00071		52.00 0.99594 0.00071
41.50 0.99695 0.00069		53.00 0.99777 0.00071
42.00 0.99876 0.00079		54.00 0.99964 0.00071
42.50 1.00145 0.00065		55.00 1.00166 0.00067
43.00 1.00329 0.00065		56.00 1.00379 0.00073
43.50 1.00332 0.00072		57.00 1.00416 0.00071
44.00 1.00687 0.00075		58.00 1.00550 0.00067
44.50 1.00958 0.00071		59.00 1.00782 0.00070
45.00 1.01061 0.00073		60.00 1.00678 0.00069
45.50 1.01121 0.00072		
46.00 1.01201 0.00068		

7500	8000	9000
30.00 0.90230 0.00072	30.00 0.88821 0.00077	999.98 0.99150 0.00063
32.00 0.91276 0.00069	32.00 0.89912 0.00074	999.99 0.99150 0.00063
34.00 0.92562 0.00072	34.00 0.91214 0.00073	
36.00 0.93452 0.00072	36.00 0.92196 0.00074	
38.00 0.94323 0.00064	38.00 0.93040 0.00070	
40.00 0.95164 0.00073	40.00 0.93756 0.00072	
42.00 0.95720 0.00072	42.00 0.94543 0.00074	
44.00 0.96560 0.00075	44.00 0.95070 0.00074	
46.00 0.97148 0.00070	46.00 0.95698 0.00069	
48.00 0.97540 0.00068	48.00 0.96092 0.00069	
50.00 0.97853 0.00069	50.00 0.96616 0.00067	
52.00 0.98368 0.00069	52.00 0.96899 0.00066	
54.00 0.98683 0.00066	54.00 0.97209 0.00070	
56.00 0.98789 0.00068	56.00 0.97620 0.00071	
58.00 0.99270 0.00069	58.00 0.97980 0.00073	
60.00 0.99544 0.00071	60.00 0.98101 0.00068	
62.00 0.99755 0.00071	62.00 0.98327 0.00070	
64.00 1.00047 0.00071	64.00 0.98640 0.00070	
66.00 1.00330 0.00063	66.00 0.98663 0.00069	
68.00 1.00371 0.00071	68.00 0.98873 0.00071	
70.00 1.00697 0.00065	70.00 0.99293 0.00063	

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72.00	0.99355	0.00067
74.00	0.99497	0.00064
76.00	0.99524	0.00065
78.00	0.99791	0.00064
80.00	0.99884	0.00068
82.00	1.00079	0.00065
84.00	1.00088	0.00069
86.00	1.00279	0.00067
88.00	1.00196	0.00062
90.00	1.00295	0.00064

10000	15000
999.98 0.95856 0.00065	999.98 0.74393 0.00056
999.99 0.95856 0.00065	999.99 0.74393 0.00056

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20	25	30
999.98 0.04049 0.00002	999.98 0.05018 0.00002	999.98 0.05981 0.00002
999.99 0.04049 0.00002	999.99 0.05018 0.00002	999.99 0.05981 0.00002
40	45	50
999.98 0.07859 0.00003	999.98 0.08766 0.00004	999.98 0.09680 0.00004
999.99 0.07859 0.00003	999.99 0.08766 0.00004	999.99 0.09680 0.00004
55	60	65
999.98 0.10566 0.00004	999.98 0.11447 0.00005	999.98 0.12309 0.00005
999.99 0.10566 0.00004	999.99 0.11447 0.00005	999.99 0.12309 0.00005
70	80	100
999.98 0.13149 0.00005	999.98 0.14847 0.00006	999.98 0.18070 0.00007
999.99 0.13149 0.00005	999.99 0.14847 0.00006	999.99 0.18070 0.00007
130	150	170
999.98 0.22565 0.00009	999.98 0.25433 0.00010	999.98 0.28148 0.00012
999.99 0.22565 0.00009	999.99 0.25433 0.00010	999.99 0.28148 0.00012
200	350	500
999.98 0.31987 0.00013	999.98 0.47773 0.00019	999.98 0.59494 0.00025
999.99 0.31987 0.00013	999.99 0.47773 0.00019	999.99 0.59494 0.00025
800	1000	1500
999.98 0.75713 0.00031	999.98 0.83142 0.00034	999.98 0.94924 0.00045
999.99 0.75713 0.00031	999.99 0.83142 0.00034	999.99 0.94924 0.00045
1700	1900	2000
999.98 0.98058 0.00043	40.00 0.92462 0.00058	40.00 0.93420 0.00059
999.99 0.98058 0.00043	45.00 0.93913 0.00058	42.50 0.94299 0.00057
	50.00 0.94928 0.00053	45.00 0.94949 0.00055
	55.00 0.95756 0.00050	47.50 0.95495 0.00059
	60.00 0.96500 0.00053	50.00 0.96075 0.00060
	65.00 0.97130 0.00053	52.50 0.96340 0.00053
	70.00 0.97303 0.00053	55.00 0.96848 0.00054
	75.00 0.97810 0.00048	57.50 0.97244 0.00055
	80.00 0.98096 0.00047	60.00 0.97470 0.00050
	85.00 0.98483 0.00049	62.50 0.97730 0.00054
	90.00 0.98532 0.00051	65.00 0.98001 0.00051

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95.00	0.98600	0.00052	67.50	0.98179	0.00054
100.00	0.98841	0.00048	70.00	0.98492	0.00056
105.00	0.98989	0.00050	72.50	0.98675	0.00052
110.00	0.99150	0.00051	75.00	0.98778	0.00057
115.00	0.99126	0.00050	77.50	0.98939	0.00053
120.00	0.99396	0.00050	80.00	0.99217	0.00050
125.00	0.99398	0.00050	82.50	0.99270	0.00049
130.00	0.99578	0.00049	85.00	0.99466	0.00051
135.00	0.99683	0.00051	87.50	0.99463	0.00049
140.00	0.99746	0.00047	90.00	0.99664	0.00050
145.00	0.99695	0.00048	92.50	0.99703	0.00049
150.00	0.99851	0.00049	95.00	0.99720	0.00048
155.00	0.99726	0.00048	97.50	0.99755	0.00053
160.00	0.99899	0.00049	100.00	0.99894	0.00050
165.00	0.99799	0.00048	102.50	1.00131	0.00051
170.00	1.00057	0.00049	105.00	0.99983	0.00050
175.00	0.99913	0.00047	107.50	1.00103	0.00051
180.00	1.00006	0.00046	110.00	1.00243	0.00051
185.00	1.00081	0.00047	112.50	1.00149	0.00048
190.00	0.99956	0.00051	115.00	1.00306	0.00051
195.00	1.00043	0.00047	117.50	1.00267	0.00049
200.00	1.00147	0.00046	120.00	1.00329	0.00051

2100	2300	2500
37.00	0.93315	0.00058
39.00	0.94030	0.00061
41.00	0.94749	0.00056
43.00	0.95248	0.00053
45.00	0.95821	0.00054
47.00	0.96257	0.00058
49.00	0.96762	0.00055
51.00	0.97144	0.00053
53.00	0.97573	0.00056
55.00	0.97757	0.00058
57.00	0.98020	0.00057
59.00	0.98338	0.00056
61.00	0.98610	0.00061
63.00	0.98746	0.00053
65.00	0.99053	0.00052
67.00	0.99086	0.00053
69.00	0.99379	0.00049
71.00	0.99516	0.00056
73.00	0.99711	0.00055
75.00	0.99767	0.00052
77.00	1.00077	0.00053
79.00	0.99982	0.00054
81.00	1.00026	0.00053
83.00	1.00153	0.00051
85.00	1.00333	0.00053
51.00	0.98889	0.00058
52.00	0.98927	0.00056
53.00	0.98873	0.00053
54.00	0.99245	0.00058
55.00	0.99336	0.00061
56.00	0.99640	0.00052
57.00	0.99551	0.00058
58.00	0.99702	0.00057
59.00	0.99814	0.00054
60.00	1.00003	0.00058
61.00	1.00127	0.00058
62.00	1.00110	0.00054

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2700	3000	3500
30.00 0.93183 0.00065	27.00 0.92162 0.00070	20.00 0.85393 0.00074
31.00 0.94098 0.00068	28.00 0.93083 0.00067	21.00 0.86779 0.00070
32.00 0.94715 0.00065	29.00 0.93656 0.00064	22.00 0.88162 0.00072
33.00 0.95289 0.00061	30.00 0.94366 0.00065	23.00 0.89398 0.00073
34.00 0.95752 0.00064	31.00 0.95003 0.00070	24.00 0.90374 0.00069
35.00 0.96156 0.00060	32.00 0.95704 0.00065	25.00 0.91586 0.00070
36.00 0.96540 0.00062	33.00 0.96297 0.00064	26.00 0.92404 0.00070
37.00 0.97040 0.00065	34.00 0.96782 0.00061	27.00 0.93345 0.00066
38.00 0.97476 0.00066	35.00 0.97303 0.00065	28.00 0.94055 0.00070
39.00 0.97758 0.00068	36.00 0.97721 0.00068	29.00 0.94697 0.00066
40.00 0.98099 0.00060	37.00 0.98072 0.00070	30.00 0.95665 0.00068
41.00 0.98392 0.00063	38.00 0.98800 0.00063	31.00 0.96299 0.00064
42.00 0.98956 0.00061	39.00 0.98961 0.00065	32.00 0.96822 0.00068
43.00 0.99110 0.00066	40.00 0.99342 0.00063	33.00 0.97415 0.00069
44.00 0.99432 0.00060	41.00 0.99660 0.00062	34.00 0.97840 0.00068
45.00 0.99602 0.00066	42.00 1.00017 0.00059	35.00 0.98360 0.00071
46.00 0.99862 0.00061	43.00 1.00216 0.00064	36.00 0.98759 0.00067
47.00 1.00172 0.00059	44.00 1.00457 0.00065	37.00 0.99245 0.00067
48.00 1.00259 0.00058	45.00 1.00737 0.00067	38.00 0.99687 0.00068
49.00 1.00491 0.00060	46.00 1.01065 0.00064	39.00 1.00021 0.00065
50.00 1.00763 0.00060	47.00 1.01265 0.00065	40.00 1.00341 0.00064
51.00 1.00924 0.00062	48.00 1.01482 0.00062	
52.00 1.01108 0.00061	49.00 1.01585 0.00061	
53.00 1.01222 0.00059	50.00 1.02027 0.00059	
	51.00 1.02180 0.00064	

4000	4500	5000
25.00 0.92082 0.00071	26.00 0.93026 0.00072	26.00 0.92810 0.00073
26.00 0.93002 0.00067	26.50 0.93404 0.00074	26.50 0.93089 0.00072
27.00 0.93759 0.00071	27.00 0.94142 0.00068	27.00 0.93623 0.00081
28.00 0.94541 0.00071	27.50 0.94255 0.00070	27.50 0.94062 0.00070
29.00 0.95379 0.00072	28.00 0.94740 0.00069	28.00 0.94688 0.00077
30.00 0.96019 0.00069	28.50 0.95120 0.00071	28.50 0.94763 0.00070
31.00 0.96783 0.00070	29.00 0.95416 0.00070	29.00 0.95193 0.00071
32.00 0.97385 0.00066	29.50 0.95687 0.00070	29.50 0.95591 0.00071
33.00 0.97805 0.00069	30.00 0.96119 0.00070	30.00 0.95964 0.00073
34.00 0.98435 0.00069	30.50 0.96646 0.00071	30.50 0.96216 0.00070
35.00 0.98891 0.00070	31.00 0.96693 0.00067	31.00 0.96529 0.00069
36.00 0.99409 0.00064	31.50 0.97328 0.00068	31.50 0.96810 0.00068
37.00 0.99661 0.00069	32.00 0.97448 0.00070	32.00 0.97034 0.00070
38.00 1.00093 0.00070	32.50 0.97582 0.00069	32.50 0.97424 0.00071
39.00 1.00726 0.00064	33.00 0.97781 0.00071	33.00 0.97531 0.00074
40.00 1.01019 0.00069	33.50 0.98196 0.00069	33.50 0.97950 0.00069
41.00 1.01025 0.00063	34.00 0.98397 0.00066	34.00 0.98004 0.00072
42.00 1.01673 0.00064	34.50 0.98643 0.00070	34.50 0.98401 0.00067
43.00 1.01877 0.00069	35.00 0.98965 0.00069	35.00 0.98589 0.00069
44.00 1.02015 0.00066	35.50 0.99258 0.00070	35.50 0.98749 0.00075
45.00 1.02334 0.00064	36.00 0.99419 0.00072	36.00 0.99011 0.00068
	36.50 0.99439 0.00069	36.50 0.99056 0.00070
	37.00 0.99834 0.00068	37.00 0.99417 0.00067
	37.50 1.00019 0.00072	37.50 0.99635 0.00066
	38.00 1.00300 0.00069	38.00 0.99890 0.00069
	38.50 1.00581 0.00070	38.50 1.00142 0.00072
	39.00 1.00675 0.00069	39.00 1.00375 0.00071
	39.50 1.00811 0.00072	39.50 1.00421 0.00067
	40.00 1.00973 0.00065	40.00 1.00640 0.00072
		40.50 1.00679 0.00071
		41.00 1.01053 0.00071

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5500	6000	7000
20.00 0.85289 0.00077	28.00 0.93107 0.00072	30.00 0.92742 0.00074
21.00 0.86624 0.00073	28.50 0.93587 0.00071	31.00 0.93353 0.00071
22.00 0.88017 0.00071	29.00 0.93733 0.00068	32.00 0.93836 0.00070
23.00 0.89243 0.00072	29.50 0.94198 0.00074	33.00 0.94287 0.00068
24.00 0.90310 0.00070	30.00 0.94441 0.00074	34.00 0.94729 0.00067
25.00 0.91330 0.00072	30.50 0.94784 0.00072	35.00 0.95196 0.00068
26.00 0.92399 0.00076	31.00 0.95188 0.00070	36.00 0.95604 0.00072
27.00 0.93149 0.00073	31.50 0.95486 0.00074	37.00 0.96035 0.00073
28.00 0.93965 0.00072	32.00 0.95609 0.00072	38.00 0.96501 0.00072
29.00 0.94567 0.00070	32.50 0.96238 0.00067	39.00 0.96843 0.00074
30.00 0.95413 0.00071	33.00 0.96178 0.00068	40.00 0.97179 0.00072
31.00 0.96036 0.00070	33.50 0.96444 0.00069	41.00 0.97494 0.00070
32.00 0.96454 0.00072	34.00 0.96671 0.00066	42.00 0.97905 0.00067
33.00 0.97017 0.00068	34.50 0.96904 0.00071	43.00 0.98014 0.00067
34.00 0.97569 0.00075	35.00 0.97171 0.00075	44.00 0.98306 0.00071
35.00 0.98073 0.00068	35.50 0.97399 0.00069	45.00 0.98495 0.00070
36.00 0.98422 0.00068	36.00 0.97658 0.00068	46.00 0.98765 0.00068
37.00 0.98806 0.00070	36.50 0.97741 0.00068	47.00 0.98952 0.00070
38.00 0.99038 0.00069	37.00 0.98035 0.00070	48.00 0.99152 0.00068
39.00 0.99533 0.00071	37.50 0.98396 0.00070	49.00 0.99382 0.00066
40.00 0.99869 0.00068	38.00 0.98654 0.00069	50.00 0.99410 0.00068
41.00 1.00178 0.00072	38.50 0.98470 0.00075	51.00 0.99832 0.00068
42.00 1.00556 0.00063	39.00 0.99047 0.00072	52.00 0.99686 0.00066
	39.50 0.98788 0.00069	53.00 1.00212 0.00067
	40.00 0.99155 0.00070	54.00 1.00239 0.00064
	40.50 0.99243 0.00068	55.00 1.00394 0.00070
	41.00 0.99578 0.00070	
	41.50 0.99516 0.00063	
	42.00 0.99862 0.00072	
	42.50 0.99985 0.00068	
	43.00 1.00136 0.00068	
	43.50 1.00261 0.00072	
	44.00 1.00174 0.00072	
	44.50 1.00563 0.00069	
	45.00 1.00557 0.00065	
	45.50 1.00810 0.00067	
	46.00 1.00870 0.00067	

7500	8000	9000
30.00 0.91418 0.00069	36.00 0.93167 0.00071	999.98 0.99150 0.00063
32.00 0.92495 0.00070	38.00 0.93981 0.00074	999.99 0.99150 0.00063
34.00 0.93707 0.00072	40.00 0.94563 0.00070	
36.00 0.94594 0.00075	42.00 0.95252 0.00066	
38.00 0.95193 0.00072	44.00 0.95694 0.00070	
40.00 0.95954 0.00070	46.00 0.96230 0.00066	
42.00 0.96579 0.00067	48.00 0.96624 0.00068	
44.00 0.97093 0.00070	50.00 0.96926 0.00070	
46.00 0.97467 0.00071	52.00 0.97332 0.00062	
48.00 0.98060 0.00068	54.00 0.97807 0.00072	
50.00 0.98224 0.00071	56.00 0.98024 0.00070	
52.00 0.98602 0.00066	58.00 0.98175 0.00065	
54.00 0.99023 0.00067	60.00 0.98360 0.00066	
56.00 0.99140 0.00062	62.00 0.98707 0.00074	
58.00 0.99434 0.00068	64.00 0.98765 0.00067	
60.00 0.99677 0.00067	66.00 0.98955 0.00066	
62.00 1.00078 0.00068	68.00 0.99173 0.00071	

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64.00	1.00113	0.00069	70.00	0.99516	0.00068
66.00	1.00664	0.00066	72.00	0.99603	0.00071
68.00	1.00560	0.00064	74.00	0.99692	0.00065
70.00	1.00789	0.00071	76.00	0.99743	0.00071
			78.00	0.99934	0.00071
			80.00	1.00070	0.00069
			82.00	1.00126	0.00067
			84.00	1.00216	0.00070
			86.00	1.00374	0.00067
			88.00	1.00419	0.00064
			90.00	1.00409	0.00068

	10000		15000		18900
999.98	0.95856	0.00065	999.98	0.74393	0.00056
999.99	0.95856	0.00065	999.99	0.74393	0.00056
					999.96 0.54866 0.00047
					999.97 0.54866 0.00047
					999.98 0.54866 0.00047
					999.99 0.54866 0.00047

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	20		25		30
999.98	0.03586	0.00001	999.98	0.04454	0.00001
999.99	0.03586	0.00001	999.99	0.04454	0.00001
					999.98 0.05317 0.00001
					999.99 0.05317 0.00001
	40		45		50
999.98	0.06982	0.00002	999.98	0.07803	0.00002
999.99	0.06982	0.00002	999.99	0.07803	0.00002
					999.98 0.08622 0.00002
					999.99 0.08622 0.00002
	55		60		65
999.98	0.09422	0.00003	999.98	0.10220	0.00003
999.99	0.09422	0.00003	999.99	0.10220	0.00003
					999.98 0.10994 0.00003
					999.99 0.10994 0.00003
	70		80		100
999.98	0.11772	0.00003	999.98	0.13293	0.00004
999.99	0.11772	0.00003	999.99	0.13293	0.00004
					999.98 0.16229 0.00004
					999.99 0.16229 0.00004
	130		150		170
999.98	0.20392	0.00006	999.98	0.23047	0.00006
999.99	0.20392	0.00006	999.99	0.23047	0.00006
					999.98 0.25550 0.00007
					999.99 0.25550 0.00007
	200		350		500
999.98	0.29164	0.00008	999.98	0.44341	0.00012
999.99	0.29164	0.00008	999.99	0.44341	0.00012
					999.98 0.56020 0.00015
					999.99 0.56020 0.00015
	800		1000		1500
999.98	0.72602	0.00020	999.98	0.80396	0.00023
999.99	0.72602	0.00020	999.99	0.80396	0.00023
					999.98 0.93217 0.00027
					999.99 0.93217 0.00027

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1700	1900	2000
999.98 0.96635 0.00029	999.98 0.99395 0.00030	35.00 0.92977 0.00038
999.99 0.96635 0.00029	999.99 0.99395 0.00030	40.00 0.94546 0.00038
		45.00 0.95793 0.00036
		50.00 0.96597 0.00036
		55.00 0.97148 0.00035
		60.00 0.97706 0.00034
		65.00 0.98130 0.00035
		70.00 0.98444 0.00034
		75.00 0.98718 0.00033
		80.00 0.98936 0.00033
		85.00 0.99135 0.00034
		90.00 0.99287 0.00033
		95.00 0.99394 0.00034
		100.00 0.99438 0.00033
		105.00 0.99671 0.00032
		110.00 0.99687 0.00033
		115.00 0.99699 0.00032
		120.00 0.99739 0.00034
		125.00 0.99868 0.00033
		130.00 1.00001 0.00032
		135.00 0.99936 0.00032
		140.00 0.99988 0.00033
		145.00 1.00028 0.00032
		150.00 1.00066 0.00031

2100	2300	2500
34.00 0.93591 0.00039	28.00 0.91803 0.00039	28.00 0.93000 0.00043
36.00 0.94314 0.00038	30.00 0.93082 0.00040	29.00 0.93836 0.00043
38.00 0.94975 0.00038	32.00 0.94197 0.00037	30.00 0.94395 0.00042
40.00 0.95552 0.00038	34.00 0.95166 0.00039	31.00 0.94979 0.00041
42.00 0.96077 0.00037	36.00 0.95849 0.00040	32.00 0.95508 0.00041
44.00 0.96498 0.00038	38.00 0.96491 0.00040	33.00 0.95962 0.00040
46.00 0.96890 0.00036	40.00 0.97199 0.00038	34.00 0.96424 0.00041
48.00 0.97250 0.00037	42.00 0.97699 0.00040	35.00 0.96957 0.00042
50.00 0.97583 0.00037	44.00 0.98202 0.00038	36.00 0.97274 0.00041
52.00 0.97900 0.00037	46.00 0.98605 0.00039	37.00 0.97569 0.00042
54.00 0.98229 0.00036	48.00 0.98892 0.00038	38.00 0.97915 0.00039
56.00 0.98352 0.00036	50.00 0.99224 0.00038	39.00 0.98221 0.00040
58.00 0.98477 0.00035	52.00 0.99583 0.00039	40.00 0.98486 0.00041
60.00 0.98764 0.00035	54.00 0.99777 0.00037	41.00 0.98770 0.00038
62.00 0.98919 0.00034	56.00 0.99981 0.00036	42.00 0.99101 0.00042
64.00 0.99002 0.00037	58.00 1.00207 0.00038	43.00 0.99305 0.00040
66.00 0.99265 0.00035	60.00 1.00490 0.00035	44.00 0.99469 0.00039
68.00 0.99457 0.00034	62.00 1.00633 0.00036	45.00 0.99692 0.00040
70.00 0.99560 0.00035	64.00 1.00783 0.00035	46.00 0.99978 0.00039
72.00 0.99617 0.00034	66.00 1.00969 0.00036	47.00 1.00023 0.00038
74.00 0.99678 0.00034	68.00 1.01085 0.00036	48.00 1.00303 0.00039
76.00 0.99777 0.00035	70.00 1.01200 0.00037	49.00 1.00354 0.00040
78.00 0.99838 0.00034	72.00 1.01363 0.00036	50.00 1.00689 0.00038
80.00 0.99946 0.00034	74.00 1.01360 0.00036	51.00 1.00782 0.00038
82.00 0.99997 0.00035	76.00 1.01578 0.00038	52.00 1.00855 0.00039
84.00 1.00074 0.00033	78.00 1.01604 0.00035	53.00 1.01074 0.00038
	80.00 1.01747 0.00036	54.00 1.01137 0.00038
	82.00 1.01701 0.00036	55.00 1.01343 0.00037
	84.00 1.01832 0.00035	56.00 1.01304 0.00039
		57.00 1.01543 0.00038
		58.00 1.01581 0.00038
		59.00 1.01694 0.00037
		60.00 1.01712 0.00038

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2700	3000	3500
28.00 0.94082 0.00044	26.00 0.93450 0.00044	26.00 0.93949 0.00047
29.00 0.94689 0.00042	26.50 0.93826 0.00044	26.50 0.94454 0.00046
30.00 0.95375 0.00044	27.00 0.94257 0.00045	27.00 0.94877 0.00048
31.00 0.95837 0.00046	27.50 0.94573 0.00045	27.50 0.95219 0.00046
32.00 0.96413 0.00043	28.00 0.94974 0.00045	28.00 0.95585 0.00045
33.00 0.96884 0.00042	28.50 0.95377 0.00044	28.50 0.95950 0.00046
34.00 0.97381 0.00041	29.00 0.95740 0.00044	29.00 0.96374 0.00045
35.00 0.97682 0.00042	29.50 0.95927 0.00048	29.50 0.96764 0.00047
36.00 0.98189 0.00042	30.00 0.96180 0.00044	30.00 0.97128 0.00047
37.00 0.98623 0.00042	30.50 0.96570 0.00045	30.50 0.97440 0.00046
38.00 0.98887 0.00041	31.00 0.96806 0.00044	31.00 0.97599 0.00048
39.00 0.99194 0.00039	31.50 0.97116 0.00043	31.50 0.97938 0.00045
40.00 0.99482 0.00041	32.00 0.97400 0.00044	32.00 0.98205 0.00046
41.00 0.99781 0.00041	32.50 0.97714 0.00043	32.50 0.98499 0.00044
42.00 1.00165 0.00040	33.00 0.97876 0.00042	33.00 0.98668 0.00045
43.00 1.00246 0.00040	33.50 0.98263 0.00043	33.50 0.98980 0.00045
44.00 1.00402 0.00039	34.00 0.98505 0.00043	34.00 0.99237 0.00044
45.00 1.00783 0.00041	34.50 0.98553 0.00042	34.50 0.99507 0.00045
46.00 1.00874 0.00040	35.00 0.98839 0.00042	35.00 0.99727 0.00044
47.00 1.01144 0.00041	35.50 0.98995 0.00042	35.50 0.99900 0.00046
48.00 1.01274 0.00040	36.00 0.99264 0.00042	36.00 1.00094 0.00045
49.00 1.01445 0.00039	36.50 0.99482 0.00043	36.50 1.00175 0.00044
50.00 1.01647 0.00038	37.00 0.99566 0.00043	37.00 1.00435 0.00045
51.00 1.01824 0.00040	37.50 0.99784 0.00042	37.50 1.00613 0.00043
52.00 1.01944 0.00040	38.00 1.00006 0.00040	38.00 1.00759 0.00044
53.00 1.02035 0.00039	38.50 1.00140 0.00042	38.50 1.00947 0.00047
54.00 1.02216 0.00040	39.00 1.00373 0.00041	39.00 1.01107 0.00044
55.00 1.02334 0.00038	39.50 1.00398 0.00043	39.50 1.01213 0.00044
56.00 1.02442 0.00040	40.00 1.00562 0.00044	40.00 1.01476 0.00044
57.00 1.02609 0.00040		
58.00 1.02681 0.00038		
59.00 1.02804 0.00038		
60.00 1.02848 0.00039		

4000	4500	5000
24.00 0.91711 0.00049	24.00 0.90792 0.00048	27.00 0.92389 0.00048
24.50 0.92256 0.00051	24.50 0.91333 0.00049	27.75 0.92974 0.00048
25.00 0.92749 0.00046	25.00 0.91906 0.00050	28.50 0.93522 0.00049
25.50 0.93320 0.00047	25.50 0.92339 0.00050	29.25 0.94164 0.00047
26.00 0.93851 0.00051	26.00 0.92795 0.00049	30.00 0.94608 0.00048
26.50 0.94225 0.00048	26.50 0.93425 0.00049	30.75 0.95036 0.00047
27.00 0.94664 0.00047	27.00 0.93724 0.00048	31.50 0.95610 0.00049
27.50 0.95019 0.00048	27.50 0.94123 0.00047	32.25 0.95953 0.00047
28.00 0.95366 0.00049	28.00 0.94621 0.00047	33.00 0.96384 0.00046
28.50 0.96001 0.00046	28.50 0.94983 0.00049	33.75 0.96674 0.00048
29.00 0.96228 0.00048	29.00 0.95388 0.00049	34.50 0.97200 0.00048
29.50 0.96536 0.00047	29.50 0.95756 0.00050	35.25 0.97431 0.00046
30.00 0.96905 0.00048	30.00 0.96048 0.00050	36.00 0.97802 0.00046
30.50 0.97192 0.00046	30.50 0.96338 0.00045	36.75 0.98038 0.00047
31.00 0.97557 0.00046	31.00 0.96563 0.00050	37.50 0.98444 0.00046
31.50 0.97925 0.00047	31.50 0.96862 0.00047	38.25 0.98707 0.00045
32.00 0.98116 0.00047	32.00 0.97263 0.00047	39.00 0.98934 0.00046
32.50 0.98400 0.00046	32.50 0.97539 0.00047	39.75 0.99131 0.00047
33.00 0.98676 0.00045	33.00 0.97815 0.00046	40.50 0.99531 0.00045
33.50 0.98909 0.00045	33.50 0.98067 0.00046	41.25 0.99599 0.00047

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34.00	0.99074	0.00048	34.00	0.98236	0.00049	42.00	0.99864	0.00045
34.50	0.99332	0.00047	34.50	0.98551	0.00045	42.75	1.00070	0.00047
35.00	0.99487	0.00046	35.00	0.98746	0.00046	43.50	1.00195	0.00046
35.50	0.99731	0.00045	35.50	0.98982	0.00047	44.25	1.00449	0.00047
36.00	0.99953	0.00046	36.00	0.99131	0.00047	45.00	1.00688	0.00045
36.50	1.00113	0.00045	36.50	0.99478	0.00047	45.75	1.00792	0.00046
37.00	1.00297	0.00046	37.00	0.99685	0.00045	46.00	1.00859	0.00044
37.50	1.00571	0.00046	37.50	0.99784	0.00045			
38.00	1.00835	0.00045	38.00	0.99909	0.00045			
38.50	1.00970	0.00046	38.50	1.00181	0.00047			
39.00	1.01042	0.00047	39.00	1.00288	0.00047			
39.50	1.01204	0.00045	39.50	1.00448	0.00046			
40.00	1.01436	0.00043	40.00	1.00630	0.00045			

5500	6000	7000						
27.00	0.90425	0.00048	36.00	0.93502	0.00049	999.98	0.96554	0.00042
27.75	0.90946	0.00049	38.00	0.94310	0.00049	999.99	0.96554	0.00042
28.50	0.91642	0.00050	40.00	0.95071	0.00045			
29.25	0.92185	0.00050	42.00	0.95620	0.00046			
30.00	0.92680	0.00049	44.00	0.96205	0.00046			
30.75	0.93112	0.00048	46.00	0.96731	0.00047			
31.50	0.93616	0.00047	48.00	0.97108	0.00047			
32.25	0.94038	0.00047	50.00	0.97523	0.00043			
33.00	0.94534	0.00048	52.00	0.97875	0.00046			
33.75	0.94868	0.00045	54.00	0.98149	0.00045			
34.50	0.95276	0.00046	56.00	0.98463	0.00047			
35.25	0.95630	0.00046	58.00	0.98763	0.00045			
36.00	0.95898	0.00046	60.00	0.98868	0.00045			
36.75	0.96237	0.00047	62.00	0.99189	0.00043			
37.50	0.96564	0.00048	64.00	0.99364	0.00046			
38.25	0.96771	0.00047	66.00	0.99433	0.00044			
39.00	0.97106	0.00048	68.00	0.99695	0.00043			
39.75	0.97394	0.00047	70.00	0.99818	0.00043			
40.50	0.97694	0.00046	72.00	0.99940	0.00041			
41.25	0.97878	0.00046	74.00	1.00026	0.00045			
42.00	0.98032	0.00046	76.00	1.00227	0.00043			
42.75	0.98214	0.00048						
43.50	0.98548	0.00044						
44.25	0.98540	0.00047						
45.00	0.98870	0.00046						
45.75	0.98965	0.00046						
46.00	0.99017	0.00045						
47.00	0.99129	0.00041						
48.00	0.99507	0.00044						
49.00	0.99633	0.00044						
50.00	0.99836	0.00044						
51.00	1.00007	0.00044						
52.00	1.00248	0.00044						

7500	8000	9000						
999.98	0.92807	0.00042	999.98	0.88617	0.00043	999.98	0.77781	0.00040
999.99	0.92807	0.00042	999.99	0.88617	0.00043	999.99	0.77781	0.00040

10000	0			
999.98	0.63942	0.00034		
999.99	0.63942	0.00034		

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sumtable.u5o2-icyl-0013-01											
			20			25			30		
999.98	0.03586	0.00001	999.98	0.04454	0.00001	999.98	0.05317	0.00001	999.99	0.03586	0.00001
999.98	0.06982	0.00002	999.98	0.07803	0.00002	999.98	0.08622	0.00002	999.99	0.06982	0.00002
999.98	0.09422	0.00003	999.98	0.10220	0.00003	999.98	0.10994	0.00003	999.99	0.09422	0.00003
999.98	0.11772	0.00003	999.98	0.13293	0.00004	999.98	0.16229	0.00004	999.99	0.11772	0.00003
999.98	0.20392	0.00006	999.98	0.23047	0.00006	999.98	0.25550	0.00007	999.99	0.20392	0.00006
999.98	0.29164	0.00008	999.98	0.44341	0.00012	999.98	0.56020	0.00015	999.99	0.29164	0.00008
999.98	0.72602	0.00020	999.98	0.80396	0.00023	999.98	0.93217	0.00027	999.99	0.72602	0.00020
999.98	0.96635	0.00029	999.98	0.99395	0.00030	30.00	0.91515	0.00036	999.99	0.96635	0.00029
			999.99	0.99395	0.00030	35.00	0.93497	0.00035			
						40.00	0.95023	0.00036			
						45.00	0.96038	0.00034			
						50.00	0.96798	0.00034			
						55.00	0.97387	0.00034			
						60.00	0.97913	0.00033			
						65.00	0.98249	0.00032			
						70.00	0.98573	0.00033			
						75.00	0.98730	0.00031			
						80.00	0.98902	0.00032			
						85.00	0.99040	0.00034			
						90.00	0.99224	0.00033			
						95.00	0.99423	0.00031			
						100.00	0.99543	0.00031			
						105.00	0.99579	0.00030			
						110.00	0.99735	0.00031			
						115.00	0.99756	0.00030			
						120.00	0.99815	0.00031			
						125.00	0.99834	0.00031			
						130.00	0.99986	0.00030			
						135.00	0.99950	0.00030			
						140.00	1.00018	0.00030			

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2100	2300	2500
32.00 0.93404 0.00039	26.00 0.91681 0.00040	25.00 0.92064 0.00043
34.00 0.94226 0.00037	27.00 0.92370 0.00040	26.00 0.92793 0.00044
36.00 0.94788 0.00038	28.00 0.92971 0.00038	27.00 0.93554 0.00040
38.00 0.95496 0.00037	29.00 0.93599 0.00039	28.00 0.94260 0.00042
40.00 0.96045 0.00036	30.00 0.94063 0.00039	29.00 0.94748 0.00041
42.00 0.96439 0.00037	31.00 0.94542 0.00039	30.00 0.95235 0.00041
44.00 0.96864 0.00035	32.00 0.94907 0.00039	31.00 0.95846 0.00041
46.00 0.97246 0.00038	33.00 0.95409 0.00038	32.00 0.96292 0.00040
48.00 0.97583 0.00038	34.00 0.95753 0.00039	33.00 0.96719 0.00042
50.00 0.97791 0.00035	36.00 0.96573 0.00040	34.00 0.97017 0.00040
52.00 0.98121 0.00037	38.00 0.96985 0.00038	35.00 0.97420 0.00041
54.00 0.98373 0.00034	40.00 0.97665 0.00037	36.00 0.97773 0.00040
56.00 0.98418 0.00035	42.00 0.98137 0.00039	37.00 0.98098 0.00039
58.00 0.98730 0.00036	44.00 0.98537 0.00039	38.00 0.98389 0.00038
60.00 0.98870 0.00034	46.00 0.98915 0.00038	39.00 0.98732 0.00040
62.00 0.99004 0.00037	48.00 0.99233 0.00038	40.00 0.98987 0.00039
64.00 0.99214 0.00035	50.00 0.99445 0.00037	41.00 0.99215 0.00041
66.00 0.99307 0.00033	52.00 0.99783 0.00038	42.00 0.99517 0.00039
68.00 0.99412 0.00036	54.00 0.99979 0.00036	43.00 0.99623 0.00038
70.00 0.99512 0.00035	56.00 1.00212 0.00037	44.00 0.99955 0.00038
72.00 0.99645 0.00034	58.00 1.00358 0.00037	45.00 1.00110 0.00039
74.00 0.99707 0.00034	60.00 1.00583 0.00036	46.00 1.00212 0.00039
76.00 0.99829 0.00035	62.00 1.00784 0.00036	47.00 1.00298 0.00039
78.00 0.99909 0.00036	64.00 1.00932 0.00037	48.00 1.00620 0.00039
80.00 0.99940 0.00034	66.00 1.01007 0.00035	49.00 1.00720 0.00037
82.00 1.00086 0.00034	68.00 1.01142 0.00035	50.00 1.00793 0.00038
84.00 1.00196 0.00034	70.00 1.01304 0.00037	51.00 1.01017 0.00038
86.00 1.00262 0.00034	72.00 1.01372 0.00037	52.00 1.01074 0.00038
	74.00 1.01495 0.00036	53.00 1.01239 0.00037
	76.00 1.01595 0.00036	
	78.00 1.01566 0.00036	
	80.00 1.01832 0.00034	
	82.00 1.01792 0.00037	
	84.00 1.01881 0.00035	

2700	3000	3500
20.00 0.87834 0.00042	24.00 0.93054 0.00046	20.00 0.89323 0.00046
21.00 0.89139 0.00041	24.50 0.93504 0.00044	21.00 0.90570 0.00046
22.00 0.90162 0.00042	25.00 0.94031 0.00045	22.00 0.91749 0.00045
23.00 0.91314 0.00043	25.50 0.94305 0.00045	23.00 0.92751 0.00045
24.00 0.92171 0.00041	26.00 0.94678 0.00045	24.00 0.93735 0.00044
25.00 0.93074 0.00041	26.50 0.95106 0.00044	25.00 0.94724 0.00045
26.00 0.93683 0.00042	27.00 0.95440 0.00045	26.00 0.95414 0.00044
27.00 0.94417 0.00041	27.50 0.95877 0.00044	26.50 0.95874 0.00047
28.00 0.95232 0.00044	28.00 0.96114 0.00044	27.00 0.96271 0.00043
29.00 0.95788 0.00043	28.50 0.96441 0.00043	27.50 0.96508 0.00045
30.00 0.96317 0.00043	29.00 0.96648 0.00044	28.00 0.96895 0.00044
31.00 0.96711 0.00043	29.50 0.97024 0.00045	28.50 0.97242 0.00046
32.00 0.97242 0.00040	30.00 0.97299 0.00043	29.00 0.97507 0.00043
33.00 0.97674 0.00041	30.50 0.97599 0.00043	29.50 0.97854 0.00043
34.00 0.98110 0.00041	31.00 0.97741 0.00043	30.00 0.98105 0.00043
35.00 0.98409 0.00039	31.50 0.98078 0.00043	30.50 0.98359 0.00045
36.00 0.98773 0.00040	32.00 0.98233 0.00044	31.00 0.98629 0.00043
37.00 0.99135 0.00040	32.50 0.98474 0.00042	31.50 0.98872 0.00044
38.00 0.99397 0.00039	33.00 0.98727 0.00043	32.00 0.98992 0.00042
39.00 0.99715 0.00040	33.50 0.98977 0.00042	32.50 0.99251 0.00044
40.00 0.99965 0.00041	34.00 0.99135 0.00042	33.00 0.99541 0.00041

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41.00	1.00165	0.00040	34.50	0.99352	0.00045	33.50	0.99696	0.00045
42.00	1.00466	0.00041	35.00	0.99451	0.00043	34.00	1.00011	0.00042
43.00	1.00691	0.00040	35.50	0.99661	0.00043	34.50	1.00209	0.00045
44.00	1.00845	0.00040	36.00	0.99832	0.00042	35.00	1.00361	0.00044
45.00	1.01040	0.00040	36.50	0.99963	0.00042	35.50	1.00662	0.00043
46.00	1.01259	0.00040	37.00	1.00342	0.00043	36.00	1.00689	0.00045
47.00	1.01394	0.00041	37.50	1.00254	0.00042	36.50	1.00946	0.00043
48.00	1.01524	0.00041	38.00	1.00462	0.00043	37.00	1.01111	0.00043
49.00	1.01726	0.00041				37.50	1.01218	0.00044
50.00	1.01908	0.00037				38.00	1.01405	0.00045
51.00	1.02067	0.00039				38.50	1.01494	0.00044
52.00	1.02176	0.00037				39.00	1.01614	0.00041
53.00	1.02309	0.00040				39.50	1.01912	0.00045
54.00	1.02377	0.00038				40.00	1.01967	0.00044
55.00	1.02525	0.00039						
56.00	1.02771	0.00038						
57.00	1.02622	0.00039						
58.00	1.02779	0.00039						
59.00	1.02940	0.00038						
60.00	1.02956	0.00039						

4000	4500	5000						
24.00	0.93549	0.00047	24.00	0.92755	0.00050	27.00	0.93751	0.00046
24.50	0.94053	0.00047	24.50	0.93188	0.00048	27.50	0.94150	0.00049
25.00	0.94389	0.00048	25.00	0.93711	0.00049	28.00	0.94528	0.00048
25.50	0.94854	0.00046	25.50	0.94096	0.00049	28.50	0.94846	0.00048
26.00	0.95222	0.00049	26.00	0.94507	0.00050	29.00	0.95256	0.00045
26.50	0.95681	0.00048	26.50	0.94834	0.00047	29.50	0.95422	0.00047
27.00	0.96016	0.00048	27.00	0.95187	0.00048	30.00	0.95793	0.00049
27.50	0.96403	0.00047	27.50	0.95572	0.00048	30.50	0.96101	0.00049
28.00	0.96877	0.00048	28.00	0.95871	0.00047	31.00	0.96391	0.00046
28.50	0.97076	0.00045	28.50	0.96224	0.00050	31.50	0.96589	0.00046
29.00	0.97356	0.00048	29.00	0.96512	0.00047	32.00	0.96814	0.00047
29.50	0.97664	0.00046	29.50	0.96817	0.00048	32.50	0.97072	0.00047
30.00	0.97953	0.00047	30.00	0.97209	0.00049	33.00	0.97293	0.00048
30.50	0.98256	0.00048	30.50	0.97495	0.00046	33.50	0.97405	0.00046
31.00	0.98430	0.00046	31.00	0.97730	0.00047	34.00	0.97703	0.00048
31.50	0.98799	0.00046	31.50	0.98047	0.00047	34.50	0.97953	0.00047
32.00	0.98840	0.00045	32.00	0.98209	0.00049	35.00	0.98135	0.00047
32.50	0.99274	0.00047	32.50	0.98434	0.00047	35.50	0.98464	0.00047
33.00	0.99442	0.00045	33.00	0.98646	0.00048	36.00	0.98568	0.00047
33.50	0.99640	0.00044	33.50	0.98976	0.00045	36.50	0.98804	0.00046
34.00	0.99879	0.00044	34.00	0.98993	0.00045	37.00	0.98948	0.00046
34.50	1.00080	0.00045	34.50	0.99371	0.00046	37.50	0.99090	0.00045
35.00	1.00268	0.00047	35.00	0.99527	0.00048	38.00	0.99307	0.00044
			35.50	0.99772	0.00048	38.50	0.99324	0.00047
			36.00	0.99815	0.00047	39.00	0.99525	0.00046
			36.50	1.00194	0.00046	39.50	0.99697	0.00046
			37.00	1.00223	0.00046	40.00	0.99890	0.00043
			37.50	1.00450	0.00045	40.50	0.99990	0.00045
			38.00	1.00700	0.00044	41.00	1.00122	0.00044
			38.50	1.00721	0.00047	41.50	1.00191	0.00046
			39.00	1.00816	0.00046	42.00	1.00504	0.00046
			39.50	1.00982	0.00045			
			40.00	1.01194	0.00048			

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5500	6000	7000
27.00 0.91978 0.00049	34.00 0.93557 0.00048	999.98 0.96554 0.00042
27.75 0.92553 0.00049	36.00 0.94404 0.00049	999.99 0.96554 0.00042
28.50 0.93004 0.00049	38.00 0.95168 0.00048	
29.25 0.93474 0.00050	40.00 0.95646 0.00049	
30.00 0.93874 0.00049	42.00 0.96255 0.00048	
30.75 0.94339 0.00049	44.00 0.96679 0.00048	
31.50 0.94760 0.00050	46.00 0.97154 0.00047	
32.25 0.95175 0.00046	48.00 0.97509 0.00047	
33.00 0.95546 0.00046	50.00 0.97831 0.00047	
33.75 0.95876 0.00049	52.00 0.98180 0.00046	
34.50 0.96174 0.00047	54.00 0.98457 0.00045	
35.25 0.96429 0.00049	56.00 0.98642 0.00044	
36.00 0.96622 0.00046	58.00 0.98919 0.00046	
36.75 0.96961 0.00047	60.00 0.99196 0.00044	
37.50 0.97220 0.00046	62.00 0.99432 0.00045	
38.25 0.97481 0.00046	64.00 0.99574 0.00043	
39.00 0.97692 0.00046	66.00 0.99634 0.00045	
39.75 0.97896 0.00044	68.00 0.99919 0.00044	
40.50 0.98109 0.00044	70.00 0.99879 0.00043	
41.25 0.98434 0.00046	72.00 1.00116 0.00041	
42.00 0.98564 0.00046	74.00 1.00248 0.00042	
42.75 0.98735 0.00046	76.00 1.00314 0.00044	
43.50 0.98902 0.00046		
44.25 0.99046 0.00046		
45.00 0.99249 0.00046		
45.75 0.99390 0.00045		
46.00 0.99510 0.00044		
47.00 0.99661 0.00043		
48.00 0.99895 0.00043		
49.00 0.99993 0.00043		
50.00 1.00194 0.00042		
51.00 1.00341 0.00043		
52.00 1.00489 0.00042		

7500	8000	9000
999.98 0.92807 0.00042	999.98 0.88617 0.00043	999.98 0.77781 0.00040
999.99 0.92807 0.00042	999.99 0.88617 0.00043	999.99 0.77781 0.00040

10000	0
999.98 0.63942 0.00034	
999.99 0.63942 0.00034	

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sumtable.u5o2-icyl-0013-10									
20			25			30			
999.98	0.03586	0.00001	999.98	0.04454	0.00001	999.98	0.05317	0.00001	
999.99	0.03586	0.00001	999.99	0.04454	0.00001	999.99	0.05317	0.00001	
40			45			50			
999.98	0.06982	0.00002	999.98	0.07803	0.00002	999.98	0.08622	0.00002	
999.99	0.06982	0.00002	999.99	0.07803	0.00002	999.99	0.08622	0.00002	
55			60			65			
999.98	0.09422	0.00003	999.98	0.10220	0.00003	999.98	0.10994	0.00003	
999.99	0.09422	0.00003	999.99	0.10220	0.00003	999.99	0.10994	0.00003	
70			80			100			
999.98	0.11772	0.00003	999.98	0.13293	0.00004	999.98	0.16229	0.00004	
999.99	0.11772	0.00003	999.99	0.13293	0.00004	999.99	0.16229	0.00004	
130			150			170			
999.98	0.20392	0.00006	999.98	0.23047	0.00006	999.98	0.25550	0.00007	
999.99	0.20392	0.00006	999.99	0.23047	0.00006	999.99	0.25550	0.00007	
200			350			500			
999.98	0.29164	0.00008	999.98	0.44341	0.00012	999.98	0.56020	0.00015	
999.99	0.29164	0.00008	999.99	0.44341	0.00012	999.99	0.56020	0.00015	
800			1000			1500			
999.98	0.72602	0.00020	999.98	0.80396	0.00023	999.98	0.93217	0.00027	
999.99	0.72602	0.00020	999.99	0.80396	0.00023	999.99	0.93217	0.00027	
1700			1900			2000			
999.98	0.96635	0.00029	999.98	0.99395	0.00030	30.00	0.92213	0.00038	
999.99	0.96635	0.00029	999.99	0.99395	0.00030	35.00	0.94044	0.00036	
						40.00	0.95331	0.00035	
						45.00	0.96272	0.00035	
						50.00	0.97026	0.00035	
						55.00	0.97505	0.00036	
						60.00	0.97945	0.00035	
						65.00	0.98321	0.00034	
						70.00	0.98546	0.00035	
						75.00	0.98750	0.00032	
						80.00	0.98990	0.00032	
						85.00	0.99174	0.00033	
						90.00	0.99314	0.00033	
						95.00	0.99371	0.00031	
						100.00	0.99530	0.00033	
						105.00	0.99569	0.00034	
						110.00	0.99677	0.00033	
						115.00	0.99770	0.00033	
						120.00	0.99871	0.00032	
						125.00	0.99828	0.00032	
						130.00	0.99870	0.00032	
						135.00	1.00010	0.00033	
						140.00	0.99983	0.00032	
						145.00	1.00035	0.00032	
						150.00	1.00118	0.00032	

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2100	2300	2500
30.00 0.93117 0.00040	22.00 0.89613 0.00037	20.00 0.88895 0.00044
32.00 0.93972 0.00038	24.00 0.91195 0.00038	21.00 0.89906 0.00042
34.00 0.94697 0.00038	26.00 0.92599 0.00037	22.00 0.90769 0.00041
36.00 0.95355 0.00037	28.00 0.93792 0.00038	23.00 0.91674 0.00041
38.00 0.95837 0.00036	30.00 0.94779 0.00037	24.00 0.92419 0.00040
40.00 0.96263 0.00036	32.00 0.95540 0.00036	25.00 0.93208 0.00041
42.00 0.96686 0.00036	34.00 0.96327 0.00036	26.00 0.93829 0.00043
44.00 0.97167 0.00037	36.00 0.96941 0.00038	27.00 0.94416 0.00041
46.00 0.97485 0.00036	38.00 0.97536 0.00038	28.00 0.94965 0.00039
48.00 0.97807 0.00036	40.00 0.98079 0.00037	29.00 0.95530 0.00038
50.00 0.98065 0.00037	42.00 0.98428 0.00038	30.00 0.96010 0.00041
52.00 0.98209 0.00035	44.00 0.98814 0.00038	31.00 0.96453 0.00039
54.00 0.98418 0.00034	46.00 0.99136 0.00037	32.00 0.96916 0.00040
56.00 0.98683 0.00035	48.00 0.99339 0.00038	33.00 0.97290 0.00039
58.00 0.98859 0.00035	50.00 0.99682 0.00037	34.00 0.97592 0.00039
60.00 0.98945 0.00036	52.00 0.99982 0.00035	35.00 0.98117 0.00040
62.00 0.99121 0.00034	54.00 1.00169 0.00038	36.00 0.98370 0.00042
64.00 0.99270 0.00033	56.00 1.00432 0.00036	37.00 0.98622 0.00039
66.00 0.99510 0.00035	58.00 1.00588 0.00036	38.00 0.98923 0.00039
68.00 0.99576 0.00034	60.00 1.00641 0.00036	39.00 0.99051 0.00038
70.00 0.99673 0.00034	62.00 1.00852 0.00035	40.00 0.99302 0.00038
72.00 0.99695 0.00033	64.00 1.01035 0.00035	41.00 0.99483 0.00041
74.00 0.99834 0.00035	66.00 1.01069 0.00036	42.00 0.99806 0.00039
76.00 0.99880 0.00035	68.00 1.01242 0.00036	43.00 0.99914 0.00038
78.00 0.99883 0.00034	70.00 1.01368 0.00035	44.00 1.00174 0.00039
80.00 1.00082 0.00034	72.00 1.01477 0.00035	45.00 1.00284 0.00038
82.00 1.00109 0.00032	74.00 1.01472 0.00035	46.00 1.00499 0.00037
	76.00 1.01657 0.00034	47.00 1.00607 0.00039
	78.00 1.01632 0.00035	48.00 1.00829 0.00036
	80.00 1.01737 0.00035	49.00 1.00916 0.00037
	82.00 1.01846 0.00036	50.00 1.01036 0.00037
	84.00 1.01877 0.00035	51.00 1.01117 0.00035
		52.00 1.01281 0.00036
		53.00 1.01411 0.00038
		54.00 1.01537 0.00036
		55.00 1.01666 0.00037
		56.00 1.01772 0.00036
		57.00 1.01809 0.00036
		58.00 1.01904 0.00036
		59.00 1.02016 0.00037
		60.00 1.02124 0.00037

2700	3000	3500
20.00 0.89718 0.00040	23.00 0.93552 0.00044	20.00 0.91484 0.00043
21.00 0.90808 0.00043	23.50 0.94051 0.00043	20.50 0.92093 0.00043
22.00 0.91750 0.00041	24.00 0.94402 0.00044	21.00 0.92537 0.00041
23.00 0.92524 0.00040	24.50 0.94863 0.00044	21.50 0.93027 0.00044
24.00 0.93406 0.00040	25.00 0.95246 0.00044	22.00 0.93503 0.00043
25.00 0.94144 0.00040	25.50 0.95616 0.00044	22.50 0.94065 0.00043
26.00 0.94871 0.00040	26.00 0.95926 0.00042	23.00 0.94485 0.00043
27.00 0.95418 0.00040	26.50 0.96266 0.00043	23.50 0.94875 0.00043
28.00 0.96047 0.00042	27.00 0.96492 0.00043	24.00 0.95364 0.00042
29.00 0.96582 0.00040	27.50 0.96805 0.00043	24.50 0.95614 0.00043
30.00 0.97080 0.00041	28.00 0.97047 0.00042	25.00 0.95996 0.00043
31.00 0.97506 0.00040	28.50 0.97304 0.00042	25.50 0.96417 0.00043
32.00 0.97899 0.00042	29.00 0.97517 0.00043	26.00 0.96731 0.00044
33.00 0.98400 0.00040	29.50 0.97856 0.00043	26.50 0.96989 0.00043

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34.00	0.98688	0.00041	30.00	0.98207	0.00042	27.00	0.97315	0.00046
35.00	0.99089	0.00040	30.50	0.98365	0.00041	27.50	0.97655	0.00046
36.00	0.99278	0.00039	31.00	0.98663	0.00042	28.00	0.97941	0.00044
37.00	0.99520	0.00041	31.50	0.98791	0.00041	28.50	0.98226	0.00044
38.00	0.99800	0.00040	32.00	0.98985	0.00042	29.00	0.98543	0.00043
39.00	1.00129	0.00039	32.50	0.99177	0.00042	29.50	0.98760	0.00045
40.00	1.00374	0.00039	33.00	0.99361	0.00041	30.00	0.98993	0.00043
41.00	1.00591	0.00039	33.50	0.99589	0.00041	30.50	0.99113	0.00043
42.00	1.00811	0.00039	34.00	0.99748	0.00041	31.00	0.99534	0.00043
43.00	1.01048	0.00039	34.50	0.99872	0.00039	31.50	0.99656	0.00043
44.00	1.01249	0.00039	35.00	1.00050	0.00041	32.00	1.00020	0.00044
45.00	1.01295	0.00039	35.50	1.00267	0.00041	32.50	1.00049	0.00043
46.00	1.01442	0.00039	36.00	1.00529	0.00042	33.00	1.00280	0.00044
47.00	1.01685	0.00039				33.50	1.00363	0.00044
48.00	1.01837	0.00038				34.00	1.00582	0.00044
49.00	1.01860	0.00038				34.50	1.00824	0.00044
50.00	1.02203	0.00038				35.00	1.00987	0.00043
51.00	1.02240	0.00039				35.50	1.01074	0.00043
52.00	1.02431	0.00037				36.00	1.01291	0.00043
53.00	1.02524	0.00040				36.50	1.01413	0.00044
54.00	1.02581	0.00037				37.00	1.01499	0.00042
55.00	1.02624	0.00039				37.50	1.01774	0.00044
56.00	1.02865	0.00037				38.00	1.01846	0.00043
57.00	1.02829	0.00036				38.50	1.01971	0.00042
58.00	1.03031	0.00037				39.00	1.02225	0.00042
59.00	1.03091	0.00037				39.50	1.02252	0.00043
60.00	1.03240	0.00038				40.00	1.02424	0.00043

4000	4500	5000						
22.00	0.93465	0.00047	24.00	0.94394	0.00046	24.00	0.93153	0.00048
22.50	0.93898	0.00045	24.50	0.94804	0.00047	24.50	0.93458	0.00047
23.00	0.94387	0.00046	25.00	0.95184	0.00046	25.00	0.93822	0.00047
23.50	0.94841	0.00046	25.50	0.95622	0.00045	25.50	0.94253	0.00047
24.00	0.95083	0.00046	26.00	0.95929	0.00048	26.00	0.94532	0.00047
24.50	0.95546	0.00044	26.50	0.96073	0.00046	26.50	0.94959	0.00049
25.00	0.96023	0.00046	27.00	0.96557	0.00047	27.00	0.95155	0.00047
25.50	0.96246	0.00046	27.50	0.96922	0.00046	27.50	0.95578	0.00049
26.00	0.96649	0.00046	28.00	0.97116	0.00046	28.00	0.95830	0.00045
26.50	0.97017	0.00046	28.50	0.97352	0.00046	28.50	0.96170	0.00046
27.00	0.97325	0.00044	29.00	0.97689	0.00047	29.00	0.96332	0.00047
27.50	0.97707	0.00047	29.50	0.97937	0.00044	29.50	0.96585	0.00047
28.00	0.97873	0.00044	30.00	0.98164	0.00046	30.00	0.96839	0.00048
28.50	0.98185	0.00045	30.50	0.98437	0.00044	30.50	0.97190	0.00046
29.00	0.98422	0.00046	31.00	0.98628	0.00045	31.00	0.97352	0.00045
29.50	0.98702	0.00047	31.50	0.98905	0.00046	31.50	0.97568	0.00047
30.00	0.99028	0.00044	32.00	0.99022	0.00046	32.00	0.97779	0.00046
30.50	0.99215	0.00044	32.50	0.99278	0.00045	32.50	0.97961	0.00046
31.00	0.99338	0.00046	33.00	0.99546	0.00045	33.00	0.98238	0.00046
31.50	0.99502	0.00045	33.50	0.99698	0.00046	33.50	0.98436	0.00047
32.00	0.99837	0.00045	34.00	0.99809	0.00045	34.00	0.98491	0.00046
32.50	0.99977	0.00043	34.50	1.00061	0.00045	34.50	0.98787	0.00048
33.00	1.00141	0.00044	35.00	1.00301	0.00046	35.00	0.98895	0.00045
33.50	1.00413	0.00044	35.50	1.00474	0.00044	35.50	0.99008	0.00045
34.00	1.00610	0.00042	36.00	1.00570	0.00045	36.00	0.99245	0.00045
			36.50	1.00705	0.00045	36.50	0.99479	0.00045
			37.00	1.00775	0.00043	37.00	0.99663	0.00047
			37.50	1.00932	0.00045	37.50	0.99686	0.00046
			38.00	1.01126	0.00044	38.00	0.99819	0.00046
			38.50	1.01352	0.00045	38.50	0.99989	0.00045
			39.00	1.01470	0.00046	39.00	1.00111	0.00044
			39.50	1.01523	0.00044	39.50	1.00301	0.00045
			40.00	1.01730	0.00044	40.00	1.00447	0.00045

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5500	6000	7000
27.00 0.93464 0.00047	20.00 0.85535 0.00048	999.98 0.96554 0.00042
27.75 0.93940 0.00047	22.50 0.87983 0.00047	999.99 0.96554 0.00042
28.50 0.94350 0.00047	25.00 0.89803 0.00047	
29.25 0.94706 0.00046	27.50 0.91633 0.00048	
30.00 0.95080 0.00046	30.00 0.92810 0.00046	
30.75 0.95461 0.00045	32.50 0.94049 0.00047	
31.50 0.95723 0.00046	35.00 0.94976 0.00046	
32.25 0.96180 0.00046	37.50 0.95684 0.00046	
33.00 0.96457 0.00047	40.00 0.96289 0.00044	
33.75 0.96570 0.00044	42.50 0.96886 0.00045	
34.50 0.97048 0.00044	45.00 0.97471 0.00044	
35.25 0.97217 0.00046	47.50 0.97898 0.00045	
36.00 0.97405 0.00045	50.00 0.98280 0.00045	
36.75 0.97781 0.00047	52.50 0.98630 0.00045	
37.50 0.97960 0.00044	55.00 0.98861 0.00043	
38.25 0.98168 0.00048	57.50 0.99135 0.00043	
39.00 0.98265 0.00044	60.00 0.99386 0.00045	
39.75 0.98627 0.00045	62.50 0.99567 0.00047	
40.50 0.98650 0.00046	65.00 0.99857 0.00044	
41.25 0.98960 0.00044	67.50 1.00035 0.00044	
42.00 0.99168 0.00047	70.00 1.00193 0.00045	
42.75 0.99284 0.00046	72.50 1.00242 0.00043	
43.50 0.99464 0.00044	75.00 1.00437 0.00044	
44.25 0.99649 0.00046	77.50 1.00522 0.00045	
45.00 0.99792 0.00045	80.00 1.00691 0.00043	
45.75 0.99803 0.00044	82.50 1.00647 0.00045	
46.00 0.99920 0.00045	85.00 1.00846 0.00043	
47.00 1.00143 0.00043	87.50 1.00942 0.00044	
48.00 1.00247 0.00042	90.00 1.00994 0.00043	
49.00 1.00418 0.00042		

7500	8000	9000
999.98 0.92807 0.00042	999.98 0.88617 0.00043	999.98 0.77781 0.00040
999.99 0.92807 0.00042	999.99 0.88617 0.00043	999.99 0.77781 0.00040

10000	0
999.98 0.63942 0.00034	
999.99 0.63942 0.00034	

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sumtable.u5o2-icyl-0025-00											
			20			25			30		
999.98	0.06761	0.00002	999.98	0.08367	0.00002	999.98	0.09934	0.00003			
999.99	0.06761	0.00002	999.99	0.08367	0.00002	999.99	0.09934	0.00003			
			40			45			50		
999.98	0.12970	0.00004	999.98	0.14447	0.00004	999.98	0.15889	0.00004			
999.99	0.12970	0.00004	999.99	0.14447	0.00004	999.99	0.15889	0.00004			
			55			60			65		
999.98	0.17302	0.00005	999.98	0.18700	0.00005	999.98	0.20051	0.00005			
999.99	0.17302	0.00005	999.99	0.18700	0.00005	999.99	0.20051	0.00005			
			70			80			100		
999.98	0.21396	0.00006	999.98	0.24001	0.00006	999.98	0.28936	0.00007			
999.99	0.21396	0.00006	999.99	0.24001	0.00006	999.99	0.28936	0.00007			
			130			150			170		
999.98	0.35718	0.00009	999.98	0.39906	0.00010	999.98	0.43776	0.00011			
999.99	0.35718	0.00009	999.99	0.39906	0.00010	999.99	0.43776	0.00011			
			200			350			400		
999.98	0.49196	0.00013	999.98	0.70233	0.00017	999.98	0.75644	0.00017			
999.99	0.49196	0.00013	999.99	0.70233	0.00017	999.99	0.75644	0.00017			
			500			650			800		
999.98	0.84627	0.00021	999.98	0.94978	0.00022	32.00	0.93843	0.00034			
999.99	0.84627	0.00021	999.99	0.94978	0.00022	33.00	0.94329	0.00034			
						34.00	0.94750	0.00036			
						35.00	0.95175	0.00035			
						36.00	0.95502	0.00034			
						37.00	0.95820	0.00034			
						38.00	0.96098	0.00033			
						39.00	0.96442	0.00032			
						40.00	0.96735	0.00033			
						41.00	0.97011	0.00033			
						42.00	0.97163	0.00032			
						43.00	0.97457	0.00034			
						44.00	0.97724	0.00033			
						45.00	0.97815	0.00032			
						46.00	0.98013	0.00033			
						47.00	0.98175	0.00033			
						48.00	0.98394	0.00030			
						49.00	0.98484	0.00032			
						50.00	0.98660	0.00031			
						51.00	0.98829	0.00031			
						52.00	0.98976	0.00031			
						53.00	0.99171	0.00030			
						54.00	0.99200	0.00031			
						55.00	0.99391	0.00030			
						56.00	0.99417	0.00030			
						57.00	0.99491	0.00031			
						58.00	0.99615	0.00031			
						59.00	0.99779	0.00030			
						60.00	0.99807	0.00030			
						61.00	0.99925	0.00029			
						62.00	0.99976	0.00031			
						63.00	1.00106	0.00029			
						64.00	1.00131	0.00030			

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900	1000	1200
26.00 0.93743 0.00038	20.00 0.89886 0.00042	19.50 0.93469 0.00044
26.50 0.94173 0.00038	20.50 0.90575 0.00044	19.75 0.93897 0.00044
27.00 0.94486 0.00038	21.00 0.91294 0.00043	20.00 0.94273 0.00046
27.50 0.94902 0.00037	21.50 0.92079 0.00042	20.25 0.94674 0.00044
28.00 0.95192 0.00036	22.00 0.92750 0.00042	20.50 0.95165 0.00043
28.50 0.95572 0.00037	22.50 0.93203 0.00042	20.75 0.95514 0.00046
29.00 0.95928 0.00037	23.00 0.93863 0.00043	21.00 0.95797 0.00044
29.50 0.96155 0.00037	23.50 0.94454 0.00040	21.25 0.96242 0.00045
30.00 0.96520 0.00035	24.00 0.94944 0.00040	21.50 0.96624 0.00042
30.50 0.96875 0.00036	24.50 0.95371 0.00041	21.75 0.97015 0.00044
31.00 0.97135 0.00036	25.00 0.95949 0.00044	22.00 0.97101 0.00044
31.50 0.97312 0.00035	25.50 0.96439 0.00041	22.25 0.97591 0.00042
32.00 0.97672 0.00035	26.00 0.96853 0.00042	22.50 0.97795 0.00043
32.50 0.97762 0.00034	26.50 0.97232 0.00041	22.75 0.98242 0.00041
33.00 0.98066 0.00033	27.00 0.97590 0.00041	23.00 0.98576 0.00043
33.50 0.98323 0.00034	27.50 0.97984 0.00041	23.25 0.98739 0.00042
34.00 0.98544 0.00034	28.00 0.98326 0.00041	23.50 0.99090 0.00043
34.50 0.98732 0.00035	28.50 0.98664 0.00040	23.75 0.99346 0.00041
35.00 0.98947 0.00035	29.00 0.99089 0.00041	24.00 0.99701 0.00043
35.50 0.99128 0.00036	29.50 0.99378 0.00039	24.25 0.99817 0.00042
36.00 0.99307 0.00035	30.00 0.99708 0.00039	24.50 1.00176 0.00042
36.50 0.99465 0.00036	30.50 1.00088 0.00037	24.75 1.00404 0.00042
37.00 0.99673 0.00034	31.00 1.00246 0.00040	25.00 1.00711 0.00043
37.50 0.99828 0.00033	31.50 1.00554 0.00038	
38.00 1.00003 0.00033	32.00 1.00714 0.00039	
38.50 1.00089 0.00034	32.50 1.01088 0.00038	
39.00 1.00332 0.00034	33.00 1.01164 0.00037	
39.50 1.00410 0.00033	33.50 1.01554 0.00038	
40.00 1.00613 0.00032	34.00 1.01727 0.00037	
1500	1700	1900
16.00 0.90062 0.00050	16.00 0.91846 0.00054	15.00 0.90212 0.00056
16.25 0.90791 0.00052	16.20 0.92586 0.00054	15.20 0.90666 0.00056
16.50 0.91363 0.00053	16.40 0.92960 0.00051	15.40 0.91527 0.00053
16.75 0.92013 0.00052	16.60 0.93493 0.00052	15.60 0.92058 0.00054
17.00 0.92721 0.00052	16.80 0.93990 0.00052	15.80 0.92728 0.00055
17.25 0.93327 0.00052	17.00 0.94601 0.00054	16.00 0.93123 0.00052
17.50 0.93792 0.00050	17.20 0.95139 0.00051	16.20 0.93661 0.00053
17.75 0.94325 0.00050	17.40 0.95496 0.00054	16.40 0.94265 0.00053
18.00 0.94961 0.00051	17.60 0.95858 0.00053	16.60 0.94858 0.00053
18.25 0.95470 0.00052	17.80 0.96398 0.00052	16.80 0.95333 0.00053
18.50 0.96081 0.00052	18.00 0.96988 0.00052	17.00 0.95855 0.00056
18.75 0.96534 0.00050	18.20 0.97318 0.00053	17.20 0.96348 0.00056
19.00 0.96979 0.00050	18.40 0.97798 0.00051	17.40 0.96870 0.00054
19.25 0.97491 0.00050	18.60 0.98067 0.00053	17.60 0.97362 0.00053
19.50 0.98009 0.00051	18.80 0.98477 0.00052	17.80 0.97742 0.00055
19.75 0.98377 0.00050	19.00 0.99012 0.00050	18.00 0.98232 0.00055
20.00 0.98796 0.00048	19.20 0.99363 0.00053	18.20 0.98682 0.00052
20.25 0.99170 0.00049	19.40 0.99725 0.00052	18.40 0.99109 0.00055
20.50 0.99661 0.00051	19.60 1.00139 0.00049	18.60 0.99574 0.00054
20.75 1.00084 0.00051	19.80 1.00440 0.00052	18.80 0.99982 0.00052
21.00 1.00396 0.00049	20.00 1.00821 0.00050	19.00 1.00345 0.00052
21.25 1.00891 0.00048		19.20 1.00818 0.00054
21.50 1.01122 0.00048		19.40 1.01093 0.00051
21.75 1.01542 0.00049		19.60 1.01473 0.00052
22.00 1.01921 0.00049		19.80 1.01977 0.00052
		20.00 1.02224 0.00052

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2000	2100	2500
15.00 0.90674 0.00057	15.00 0.91080 0.00056	15.60 0.93751 0.00055
15.20 0.91291 0.00055	15.20 0.91687 0.00056	15.70 0.94098 0.00056
15.40 0.91904 0.00056	15.40 0.92333 0.00056	15.80 0.94354 0.00057
15.60 0.92513 0.00057	15.60 0.93045 0.00054	15.90 0.94648 0.00056
15.80 0.93072 0.00055	15.80 0.93487 0.00057	16.00 0.94971 0.00058
16.00 0.93768 0.00055	16.00 0.94115 0.00052	16.10 0.95333 0.00056
16.20 0.94224 0.00055	16.20 0.94693 0.00056	16.20 0.95549 0.00058
16.40 0.94825 0.00056	16.40 0.95188 0.00057	16.30 0.95789 0.00059
16.60 0.95313 0.00053	16.60 0.95782 0.00055	16.40 0.96073 0.00058
16.80 0.95960 0.00055	16.80 0.96303 0.00055	16.50 0.96295 0.00060
17.00 0.96450 0.00055	17.00 0.96810 0.00056	16.60 0.96760 0.00056
17.20 0.96857 0.00054	17.20 0.97363 0.00055	16.70 0.97049 0.00057
17.40 0.97495 0.00057	17.40 0.97876 0.00053	16.80 0.97201 0.00058
17.60 0.97919 0.00056	17.60 0.98380 0.00056	16.90 0.97519 0.00058
17.80 0.98339 0.00051	17.80 0.98818 0.00056	17.00 0.97878 0.00056
18.00 0.98837 0.00053	18.00 0.99214 0.00056	17.10 0.98071 0.00055
18.20 0.99202 0.00054	18.20 0.99674 0.00054	17.20 0.98242 0.00057
18.40 0.99661 0.00055	18.40 1.00107 0.00054	17.30 0.98525 0.00054
18.60 1.00099 0.00053	18.60 1.00478 0.00053	17.40 0.98781 0.00056
18.80 1.00467 0.00054	18.80 1.00860 0.00052	17.50 0.98941 0.00059
19.00 1.00934 0.00053	19.00 1.01398 0.00054	17.60 0.99187 0.00058
19.20 1.01358 0.00053		17.70 0.99628 0.00057
19.40 1.01690 0.00053		17.80 0.99832 0.00057
19.60 1.02044 0.00054		17.90 0.99951 0.00056
19.80 1.02540 0.00052		18.00 1.00180 0.00054
20.00 1.02711 0.00054		

3000	4000	5000
15.00 0.91776 0.00058	16.50 0.93761 0.00058	18.00 0.92897 0.00058
15.20 0.92414 0.00056	16.60 0.94008 0.00058	18.20 0.93385 0.00059
15.40 0.93046 0.00059	16.70 0.94215 0.00060	18.40 0.93823 0.00055
15.60 0.93654 0.00058	16.80 0.94455 0.00060	18.60 0.94210 0.00058
15.80 0.94397 0.00059	16.90 0.94810 0.00059	18.80 0.94709 0.00056
16.00 0.94756 0.00059	17.00 0.95026 0.00060	19.00 0.95312 0.00057
16.20 0.95483 0.00057	17.10 0.95372 0.00059	19.20 0.95715 0.00057
16.40 0.95970 0.00057	17.20 0.95682 0.00059	19.40 0.96007 0.00056
16.60 0.96513 0.00058	17.30 0.95897 0.00059	19.60 0.96514 0.00056
16.80 0.97146 0.00060	17.40 0.96118 0.00060	19.80 0.96832 0.00057
17.00 0.97827 0.00057	17.50 0.96370 0.00061	20.00 0.97196 0.00060
17.20 0.98268 0.00061	17.60 0.96658 0.00057	20.20 0.97705 0.00056
17.40 0.98764 0.00055	17.70 0.96806 0.00060	20.40 0.98013 0.00057
17.60 0.99188 0.00058	17.80 0.97050 0.00055	20.60 0.98448 0.00056
17.80 0.99666 0.00060	17.90 0.97293 0.00057	20.80 0.98691 0.00058
18.00 1.00026 0.00056	18.00 0.97554 0.00058	21.00 0.99165 0.00060
18.20 1.00705 0.00057	18.10 0.97909 0.00060	21.20 0.99474 0.00060
18.40 1.01061 0.00057	18.20 0.98075 0.00056	21.40 0.99848 0.00058
18.60 1.01540 0.00057	18.30 0.98305 0.00058	21.60 1.00138 0.00058
18.80 1.01941 0.00058	18.40 0.98715 0.00060	21.80 1.00511 0.00056
19.00 1.02224 0.00057	18.50 0.98811 0.00060	22.00 1.00657 0.00054
	18.60 0.98913 0.00058	22.20 1.01135 0.00055
	18.70 0.99217 0.00059	22.40 1.01397 0.00057
	18.80 0.99438 0.00057	22.60 1.01787 0.00059
	18.90 0.99653 0.00057	22.80 1.02010 0.00056
	19.00 0.99783 0.00058	23.00 1.02385 0.00057
	19.10 1.00116 0.00059	
	19.20 1.00320 0.00055	

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6000	7000	7500
20.00 0.91136 0.00058	26.00 0.92458 0.00054	30.00 0.91978 0.00052
20.25 0.91673 0.00058	26.50 0.93021 0.00051	31.00 0.92640 0.00050
20.50 0.92072 0.00053	27.00 0.93643 0.00055	32.00 0.93247 0.00051
20.75 0.92678 0.00055	27.50 0.94013 0.00051	33.00 0.93958 0.00054
21.00 0.92972 0.00057	28.00 0.94448 0.00052	34.00 0.94531 0.00051
21.25 0.93477 0.00057	28.50 0.95026 0.00053	35.00 0.95039 0.00051
21.50 0.93891 0.00056	29.00 0.95335 0.00051	36.00 0.95611 0.00050
21.75 0.94305 0.00057	29.50 0.95791 0.00052	37.00 0.96106 0.00052
22.00 0.94623 0.00057	30.00 0.96142 0.00051	38.00 0.96460 0.00050
22.25 0.95182 0.00055	30.50 0.96440 0.00052	39.00 0.96936 0.00049
22.50 0.95473 0.00056	31.00 0.96941 0.00055	40.00 0.97330 0.00050
22.75 0.95905 0.00055	31.50 0.97296 0.00054	41.00 0.97653 0.00049
23.00 0.96203 0.00056	32.00 0.97582 0.00053	42.00 0.98048 0.00049
23.25 0.96579 0.00057	32.50 0.98019 0.00051	43.00 0.98402 0.00050
23.50 0.96753 0.00056	33.00 0.98214 0.00052	44.00 0.98667 0.00047
23.75 0.97123 0.00057	33.50 0.98532 0.00052	45.00 0.98856 0.00048
24.00 0.97698 0.00055	34.00 0.98762 0.00051	46.00 0.99228 0.00050
24.25 0.97936 0.00056	34.50 0.99218 0.00053	47.00 0.99404 0.00049
24.50 0.98139 0.00055	35.00 0.99353 0.00052	48.00 0.99577 0.00049
24.75 0.98358 0.00055	35.50 0.99641 0.00049	49.00 0.99949 0.00049
25.00 0.98749 0.00054	36.00 0.99974 0.00050	50.00 1.00127 0.00048
25.25 0.99098 0.00056	36.50 1.00161 0.00050	51.00 1.00338 0.00050
25.50 0.99295 0.00054	37.00 1.00338 0.00051	52.00 1.00464 0.00050
25.75 0.99680 0.00054	37.50 1.00570 0.00050	53.00 1.00729 0.00047
26.00 0.99865 0.00055	38.00 1.00814 0.00050	54.00 1.00910 0.00049
26.25 1.00246 0.00054	38.50 1.01033 0.00048	55.00 1.01041 0.00050
26.50 1.00532 0.00055	39.00 1.01258 0.00051	56.00 1.01198 0.00049
26.75 1.00882 0.00056	39.50 1.01347 0.00050	57.00 1.01288 0.00049
27.00 1.00935 0.00056	40.00 1.01551 0.00053	58.00 1.01462 0.00047
27.25 1.01326 0.00055		59.00 1.01597 0.00046
27.50 1.01497 0.00055		60.00 1.01627 0.00047
27.75 1.01876 0.00055		
28.00 1.01884 0.00053		

8000	9000	10000
40.00 0.92557 0.00049	999.98 0.90390 0.00043	999.98 0.77870 0.00036
45.00 0.94318 0.00047	999.99 0.90390 0.00043	999.99 0.77870 0.00036
50.00 0.95520 0.00048		
55.00 0.96374 0.00047		
60.00 0.97136 0.00050		
65.00 0.97617 0.00046		
70.00 0.98113 0.00047		
75.00 0.98434 0.00048		
80.00 0.98755 0.00047		
85.00 0.98960 0.00046		
90.00 0.99270 0.00045		
95.00 0.99343 0.00044		
100.00 0.99616 0.00044		
105.00 0.99654 0.00046		
110.00 0.99795 0.00045		
115.00 0.99984 0.00046		
120.00 0.99938 0.00046		
125.00 1.00015 0.00043		
130.00 1.00141 0.00045		

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20	25	30
999.98 0.06761 0.00002	999.98 0.08367 0.00002	999.98 0.09934 0.00003
999.99 0.06761 0.00002	999.99 0.08367 0.00002	999.99 0.09934 0.00003
40	45	50
999.98 0.12970 0.00004	999.98 0.14447 0.00004	999.98 0.15889 0.00004
999.99 0.12970 0.00004	999.99 0.14447 0.00004	999.99 0.15889 0.00004
55	60	65
999.98 0.17302 0.00005	999.98 0.18700 0.00005	999.98 0.20051 0.00005
999.99 0.17302 0.00005	999.99 0.18700 0.00005	999.99 0.20051 0.00005
70	80	100
999.98 0.21396 0.00006	999.98 0.24001 0.00006	999.98 0.28936 0.00007
999.99 0.21396 0.00006	999.99 0.24001 0.00006	999.99 0.28936 0.00007
130	150	170
999.98 0.35718 0.00009	999.98 0.39906 0.00010	999.98 0.43776 0.00011
999.99 0.35718 0.00009	999.99 0.39906 0.00010	999.99 0.43776 0.00011
200	350	400
999.98 0.49196 0.00013	999.98 0.70233 0.00017	999.98 0.75644 0.00017
999.99 0.49196 0.00013	999.99 0.70233 0.00017	999.99 0.75644 0.00017
500	650	800
999.98 0.84627 0.00021	999.98 0.94978 0.00022	20.00 0.85695 0.00039
999.99 0.84627 0.00021	999.99 0.94978 0.00022	22.50 0.88402 0.00039
		25.00 0.90559 0.00039
		27.50 0.92319 0.00036
		30.00 0.93648 0.00035
		32.50 0.94863 0.00033
		35.00 0.95748 0.00033
		37.50 0.96426 0.00032
		40.00 0.97103 0.00031
		42.50 0.97645 0.00031
		45.00 0.98223 0.00032
		47.50 0.98517 0.00031
		50.00 0.98864 0.00031
		52.50 0.99219 0.00031
		55.00 0.99520 0.00029
		57.50 0.99712 0.00030
		60.00 0.99943 0.00030
		62.50 1.00235 0.00030
		65.00 1.00302 0.00030
		67.50 1.00492 0.00029
		70.00 1.00612 0.00029
		72.50 1.00768 0.00030
		75.00 1.00856 0.00029
		77.50 1.00963 0.00028
		80.00 1.01118 0.00028

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900	1000	1200
25.00 0.94240 0.00038	20.00 0.92059 0.00040	18.00 0.93550 0.00043
25.50 0.94694 0.00036	20.50 0.92703 0.00041	18.25 0.94115 0.00044
26.00 0.94970 0.00035	21.00 0.93374 0.00043	18.50 0.94538 0.00042
26.50 0.95252 0.00036	21.50 0.94029 0.00042	18.75 0.94936 0.00042
27.00 0.95709 0.00035	22.00 0.94479 0.00042	19.00 0.95150 0.00041
27.50 0.96012 0.00037	22.50 0.95079 0.00040	19.25 0.95584 0.00044
28.00 0.96239 0.00035	23.00 0.95512 0.00042	19.50 0.95968 0.00044
28.50 0.96658 0.00035	23.50 0.95956 0.00041	19.75 0.96269 0.00044
29.00 0.96814 0.00036	24.00 0.96426 0.00042	20.00 0.96668 0.00042
29.50 0.97153 0.00035	24.50 0.96939 0.00040	20.25 0.97039 0.00041
30.00 0.97399 0.00034	25.00 0.97252 0.00041	20.50 0.97371 0.00043
30.50 0.97654 0.00034	25.50 0.97676 0.00040	20.75 0.97645 0.00043
31.00 0.97855 0.00035	26.00 0.98111 0.00040	21.00 0.98043 0.00041
31.50 0.98101 0.00035	26.50 0.98434 0.00040	21.25 0.98347 0.00041
32.00 0.98335 0.00034	27.00 0.98792 0.00037	21.50 0.98551 0.00042
32.50 0.98571 0.00035	27.50 0.99115 0.00038	21.75 0.98898 0.00042
33.00 0.98769 0.00035	28.00 0.99409 0.00040	22.00 0.99285 0.00042
33.50 0.98964 0.00033	28.50 0.99722 0.00039	22.25 0.99546 0.00040
34.00 0.99094 0.00035	29.00 1.00037 0.00036	22.50 0.99682 0.00043
34.50 0.99347 0.00032	29.50 1.00309 0.00039	22.75 0.99977 0.00040
35.00 0.99550 0.00034	30.00 1.00594 0.00037	23.00 1.00269 0.00041
35.50 0.99694 0.00033	30.50 1.00843 0.00038	23.25 1.00594 0.00041
36.00 0.99853 0.00035	31.00 1.01028 0.00039	23.50 1.00656 0.00039
36.50 1.00051 0.00035		23.75 1.01033 0.00042
37.00 1.00219 0.00035		24.00 1.01143 0.00042
37.50 1.00329 0.00032		
38.00 1.00502 0.00033		

1500	1700	1900
15.00 0.91699 0.00049	14.00 0.90881 0.00051	14.00 0.92214 0.00054
15.20 0.92314 0.00051	14.20 0.91563 0.00056	14.20 0.92784 0.00056
15.40 0.92682 0.00052	14.40 0.92132 0.00051	14.40 0.93386 0.00053
15.60 0.93296 0.00050	14.60 0.92499 0.00051	14.60 0.93923 0.00054
15.80 0.93547 0.00051	14.80 0.93164 0.00052	14.80 0.94510 0.00054
16.00 0.94092 0.00049	15.00 0.93727 0.00051	15.00 0.95022 0.00052
16.20 0.94595 0.00052	15.20 0.94227 0.00054	15.20 0.95531 0.00052
16.40 0.95035 0.00052	15.40 0.94720 0.00052	15.40 0.95939 0.00054
16.60 0.95381 0.00052	15.60 0.95132 0.00053	15.60 0.96622 0.00054
16.80 0.95909 0.00049	15.80 0.95643 0.00054	15.80 0.97028 0.00053
17.00 0.96284 0.00050	16.00 0.96146 0.00049	16.00 0.97460 0.00050
17.20 0.96737 0.00050	16.20 0.96489 0.00051	16.20 0.97996 0.00053
17.40 0.97077 0.00048	16.40 0.96987 0.00052	16.40 0.98386 0.00053
17.60 0.97381 0.00049	16.60 0.97372 0.00051	16.60 0.98889 0.00054
17.80 0.97703 0.00048	16.80 0.97855 0.00053	16.80 0.99282 0.00052
18.00 0.98104 0.00049	17.00 0.98182 0.00052	17.00 0.99544 0.00052
18.20 0.98428 0.00049	17.20 0.98661 0.00051	17.20 1.00090 0.00052
18.40 0.98808 0.00048	17.40 0.98998 0.00051	17.40 1.00477 0.00051
18.60 0.99298 0.00048	17.60 0.99444 0.00049	17.60 1.00866 0.00052
18.80 0.99529 0.00050	17.80 0.99811 0.00052	17.80 1.01219 0.00053
19.00 0.99744 0.00050	18.00 1.00209 0.00049	18.00 1.01678 0.00051
19.20 1.00232 0.00049	18.20 1.00533 0.00050	18.20 1.02009 0.00052
		18.40 1.02415 0.00052
		18.60 1.02676 0.00050
		18.80 1.02975 0.00053
		19.00 1.03372 0.00050

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2000	2100	2500
13.90 0.92421 0.00052	13.90 0.92850 0.00057	13.00 0.90882 0.00057
14.10 0.93001 0.00056	14.10 0.93490 0.00055	13.20 0.91613 0.00057
14.30 0.93578 0.00054	14.30 0.94178 0.00053	13.40 0.92319 0.00056
14.50 0.94206 0.00054	14.50 0.94616 0.00055	13.60 0.92852 0.00057
14.70 0.94670 0.00053	14.70 0.95126 0.00054	13.80 0.93386 0.00058
14.90 0.95289 0.00057	14.90 0.95664 0.00055	14.00 0.94027 0.00058
15.10 0.95850 0.00053	15.10 0.96185 0.00058	14.20 0.94762 0.00057
15.30 0.96365 0.00053	15.30 0.96806 0.00052	14.40 0.95406 0.00058
15.50 0.96814 0.00051	15.50 0.97244 0.00055	14.60 0.95798 0.00057
15.70 0.97207 0.00052	15.70 0.97716 0.00054	14.80 0.96472 0.00055
15.90 0.97810 0.00054	15.90 0.98257 0.00053	15.00 0.97026 0.00056
16.10 0.98156 0.00055	16.10 0.98777 0.00055	15.20 0.97449 0.00054
16.30 0.98647 0.00053	16.30 0.99217 0.00053	15.40 0.98063 0.00056
16.50 0.99227 0.00053	16.50 0.99717 0.00052	15.60 0.98487 0.00055
16.70 0.99637 0.00052	16.70 1.00116 0.00055	15.80 0.99000 0.00054
16.90 0.99975 0.00055	16.90 1.00486 0.00052	16.00 0.99606 0.00055
17.10 1.00406 0.00052	17.10 1.00855 0.00054	16.20 0.99983 0.00054
17.30 1.00792 0.00054		16.40 1.00377 0.00056
17.50 1.01264 0.00054		16.60 1.00835 0.00055
17.70 1.01643 0.00052		16.80 1.01266 0.00054
17.90 1.01990 0.00052		17.00 1.01807 0.00054
18.00 1.02179 0.00052		

3000	4000	5000
13.00 0.90809 0.00056	14.00 0.91664 0.00058	16.40 0.93682 0.00057
13.20 0.91479 0.00058	14.20 0.92250 0.00059	16.60 0.94128 0.00056
13.40 0.92127 0.00058	14.40 0.92718 0.00062	16.80 0.94699 0.00056
13.60 0.92695 0.00058	14.60 0.93506 0.00059	17.00 0.95132 0.00060
13.80 0.93429 0.00058	14.80 0.93967 0.00061	17.20 0.95521 0.00059
14.00 0.94035 0.00056	15.00 0.94603 0.00059	17.40 0.95789 0.00057
14.20 0.94732 0.00056	15.20 0.94955 0.00058	17.60 0.96347 0.00056
14.40 0.95331 0.00056	15.40 0.95641 0.00061	17.80 0.96749 0.00059
14.60 0.95906 0.00058	15.60 0.96121 0.00058	18.00 0.97121 0.00059
14.80 0.96488 0.00058	15.80 0.96596 0.00060	18.20 0.97385 0.00055
15.00 0.96747 0.00055	16.00 0.97165 0.00058	18.40 0.97819 0.00058
15.20 0.97478 0.00056	16.20 0.97671 0.00060	18.60 0.98128 0.00059
15.40 0.97927 0.00059	16.40 0.98178 0.00059	18.80 0.98648 0.00057
15.60 0.98530 0.00057	16.60 0.98633 0.00060	19.00 0.98984 0.00059
15.80 0.99047 0.00056	16.80 0.98994 0.00059	19.20 0.99179 0.00057
16.00 0.99558 0.00058	17.00 0.99514 0.00057	19.40 0.99759 0.00056
16.20 0.99934 0.00058	17.20 1.00056 0.00056	19.60 0.99987 0.00055
16.40 1.00573 0.00058	17.40 1.00292 0.00058	19.80 1.00323 0.00056
16.60 1.00998 0.00056	17.60 1.00739 0.00057	20.00 1.00726 0.00057
16.80 1.01447 0.00058	17.80 1.01172 0.00055	
17.00 1.01718 0.00057	18.00 1.01666 0.00057	

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6000	7000	7500
19.00 0.93054 0.00055	24.00 0.92717 0.00054	30.00 0.93434 0.00053
19.25 0.93460 0.00055	24.50 0.93136 0.00054	31.00 0.94050 0.00050
19.50 0.93970 0.00057	25.00 0.93701 0.00052	32.00 0.94706 0.00051
19.75 0.94285 0.00056	25.50 0.94159 0.00053	33.00 0.95329 0.00050
20.00 0.94765 0.00056	26.00 0.94624 0.00051	34.00 0.95812 0.00049
20.25 0.95058 0.00057	26.50 0.95016 0.00052	35.00 0.96131 0.00051
20.50 0.95467 0.00056	27.00 0.95570 0.00057	36.00 0.96672 0.00048
20.75 0.95880 0.00056	27.50 0.95973 0.00052	37.00 0.96926 0.00050
21.00 0.96224 0.00056	28.00 0.96328 0.00054	38.00 0.97384 0.00048
21.25 0.96593 0.00056	28.50 0.96598 0.00053	39.00 0.97869 0.00051
21.50 0.96938 0.00055	29.00 0.97136 0.00053	40.00 0.98166 0.00050
21.75 0.97275 0.00056	29.50 0.97332 0.00052	41.00 0.98417 0.00048
22.00 0.97609 0.00054	30.00 0.97807 0.00053	42.00 0.98747 0.00050
22.25 0.97837 0.00055	30.50 0.98060 0.00055	43.00 0.99085 0.00050
22.50 0.98170 0.00053	31.00 0.98402 0.00052	44.00 0.99307 0.00050
22.75 0.98504 0.00056	31.50 0.98596 0.00051	45.00 0.99543 0.00047
23.00 0.98936 0.00056	32.00 0.99050 0.00053	46.00 0.99801 0.00048
23.25 0.99039 0.00055	32.50 0.99227 0.00050	47.00 0.99979 0.00049
23.50 0.99377 0.00055	33.00 0.99458 0.00051	48.00 1.00164 0.00052
23.75 0.99698 0.00054	33.50 0.99610 0.00053	49.00 1.00313 0.00048
24.00 1.00039 0.00055	34.00 0.99915 0.00050	50.00 1.00589 0.00049
24.25 1.00226 0.00054	34.50 1.00172 0.00050	
24.50 1.00478 0.00054	35.00 1.00383 0.00051	
24.75 1.00737 0.00054	35.50 1.00564 0.00051	
25.00 1.00942 0.00056	36.00 1.00984 0.00052	
25.25 1.01292 0.00055	36.50 1.01022 0.00052	
25.50 1.01577 0.00055	37.00 1.01290 0.00051	
25.75 1.01766 0.00054		
26.00 1.01906 0.00055		

8000	9000	10000
40.00 0.93422 0.00049	999.98 0.90390 0.00043	999.98 0.77870 0.00036
45.00 0.94874 0.00048	999.99 0.90390 0.00043	999.99 0.77870 0.00036
50.00 0.95873 0.00047		
55.00 0.96692 0.00046		
60.00 0.97388 0.00047		
65.00 0.97840 0.00046		
70.00 0.98213 0.00047		
75.00 0.98668 0.00046		
80.00 0.98899 0.00049		
85.00 0.99078 0.00047		
90.00 0.99217 0.00046		
95.00 0.99458 0.00046		
100.00 0.99557 0.00045		
105.00 0.99807 0.00046		
110.00 0.99966 0.00045		
115.00 0.99994 0.00047		
120.00 1.00030 0.00046		
125.00 1.00180 0.00044		
130.00 1.00336 0.00045		

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20			10			30			
999.98	0.06761	0.00002	0.25	0.08367	0.00002	999.98	0.09934	0.00003	
999.99	0.06761	0.00002				999.99	0.09934	0.00003	
40			45			50			
999.98	0.12970	0.00004	999.98	0.14447	0.00004	999.98	0.15889	0.00004	
999.99	0.12970	0.00004	999.99	0.14447	0.00004	999.99	0.15889	0.00004	
55			60			65			
999.98	0.17302	0.00005	999.98	0.18700	0.00005	999.98	0.20051	0.00005	
999.99	0.17302	0.00005	999.99	0.18700	0.00005	999.99	0.20051	0.00005	
70			80			100			
999.98	0.21396	0.00006	999.98	0.24001	0.00006	999.98	0.28936	0.00007	
999.99	0.21396	0.00006	999.99	0.24001	0.00006	999.99	0.28936	0.00007	
130			150			170			
999.98	0.35718	0.00009	999.98	0.39906	0.00010	999.98	0.43776	0.00011	
999.99	0.35718	0.00009	999.99	0.39906	0.00010	999.99	0.43776	0.00011	
200			350			400			
999.98	0.49196	0.00013	999.98	0.70233	0.00017	999.98	0.75644	0.00017	
999.99	0.49196	0.00013	999.99	0.70233	0.00017	999.99	0.75644	0.00017	
500			650			800			
999.98	0.84627	0.00021	999.98	0.94978	0.00022	20.00	0.87151	0.00036	
999.99	0.84627	0.00021	999.99	0.94978	0.00022	22.50	0.89487	0.00035	
						25.00	0.91516	0.00036	
						27.50	0.93038	0.00034	
						30.00	0.94223	0.00035	
						32.50	0.95281	0.00033	
						35.00	0.96118	0.00033	
						37.50	0.96785	0.00033	
						40.00	0.97379	0.00032	
						42.50	0.97929	0.00030	
						45.00	0.98338	0.00030	
						47.50	0.98764	0.00031	
						50.00	0.99095	0.00032	
						52.50	0.99414	0.00030	
						55.00	0.99664	0.00030	
						57.50	0.99831	0.00029	
						60.00	1.00127	0.00029	
						62.50	1.00231	0.00030	
						65.00	1.00393	0.00028	
						67.50	1.00583	0.00029	
						70.00	1.00722	0.00030	
900			1000			1200			
23.00	0.93618	0.00036	19.00	0.92441	0.00039	16.60	0.93455	0.00043	
23.50	0.93947	0.00036	19.50	0.93064	0.00040	16.80	0.93851	0.00043	
24.00	0.94407	0.00035	20.00	0.93750	0.00040	17.00	0.94171	0.00040	
24.50	0.94765	0.00034	20.50	0.94321	0.00040	17.20	0.94579	0.00041	
25.00	0.95164	0.00033	21.00	0.94852	0.00038	17.40	0.94781	0.00042	
25.50	0.95541	0.00036	21.50	0.95376	0.00038	17.60	0.95112	0.00042	
26.00	0.95801	0.00036	22.00	0.95741	0.00040	17.80	0.95407	0.00041	
26.50	0.96206	0.00034	22.50	0.96321	0.00039	18.00	0.95711	0.00040	
27.00	0.96534	0.00034	23.00	0.96721	0.00038	18.20	0.96057	0.00041	
27.50	0.96664	0.00033	23.50	0.97119	0.00037	18.40	0.96275	0.00040	
28.00	0.97045	0.00034	24.00	0.97554	0.00037	18.60	0.96526	0.00043	
28.50	0.97260	0.00034	24.50	0.97905	0.00039	18.80	0.96899	0.00041	
29.00	0.97514	0.00033	25.00	0.98310	0.00039	19.00	0.97226	0.00040	

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29.50	0.97705	0.00034	25.50	0.98641	0.00038	19.20	0.97424	0.00042
30.00	0.98028	0.00034	26.00	0.99005	0.00037	19.40	0.97734	0.00040
30.50	0.98229	0.00033	26.50	0.99252	0.00037	19.60	0.97971	0.00041
31.00	0.98512	0.00033	27.00	0.99638	0.00038	19.80	0.98271	0.00041
31.50	0.98590	0.00033	27.50	0.99851	0.00038	20.00	0.98431	0.00040
32.00	0.98852	0.00033	28.00	1.00087	0.00036	20.20	0.98600	0.00041
32.50	0.99163	0.00032	28.50	1.00464	0.00038	20.40	0.98924	0.00040
33.00	0.99256	0.00034	29.00	1.00767	0.00038	20.60	0.99147	0.00040
33.50	0.99434	0.00033	29.50	1.00928	0.00036	20.80	0.99370	0.00040
34.00	0.99509	0.00032	30.00	1.01174	0.00038	21.00	0.99551	0.00040
34.50	0.99792	0.00032				21.20	0.99787	0.00040
35.00	0.99963	0.00033				21.40	0.99992	0.00040
35.50	1.00117	0.00034				21.60	1.00228	0.00039
36.00	1.00143	0.00032				21.80	1.00427	0.00040
36.50	1.00371	0.00033				22.00	1.00617	0.00040
37.00	1.00561	0.00033						

1500	1700	1900						
14.00	0.92728	0.00047	13.00	0.92077	0.00053	12.00	0.90462	0.00051
14.20	0.93074	0.00047	13.20	0.92616	0.00050	12.20	0.91107	0.00051
14.40	0.93618	0.00048	13.40	0.93145	0.00049	12.40	0.91873	0.00052
14.60	0.94017	0.00047	13.60	0.93659	0.00049	12.60	0.92355	0.00050
14.80	0.94487	0.00046	13.80	0.94142	0.00049	12.80	0.93027	0.00051
15.00	0.94976	0.00047	14.00	0.94676	0.00048	13.00	0.93504	0.00049
15.20	0.95441	0.00046	14.20	0.95177	0.00048	13.20	0.94162	0.00051
15.40	0.95863	0.00047	14.40	0.95728	0.00050	13.40	0.94561	0.00050
15.60	0.96182	0.00048	14.60	0.96100	0.00048	13.60	0.95162	0.00049
15.80	0.96647	0.00049	14.80	0.96616	0.00048	13.80	0.95682	0.00050
16.00	0.97064	0.00047	15.00	0.97075	0.00049	14.00	0.96239	0.00049
16.20	0.97412	0.00047	15.20	0.97464	0.00048	14.20	0.96610	0.00050
16.40	0.97688	0.00049	15.40	0.97897	0.00049	14.40	0.97103	0.00051
16.60	0.98141	0.00047	15.60	0.98262	0.00049	14.60	0.97649	0.00052
16.80	0.98395	0.00046	15.80	0.98689	0.00049	14.80	0.98140	0.00049
17.00	0.98787	0.00046	16.00	0.99214	0.00047	15.00	0.98597	0.00052
17.20	0.99162	0.00047	16.20	0.99355	0.00049	15.20	0.99037	0.00052
17.40	0.99446	0.00047	16.40	0.99891	0.00048	15.40	0.99393	0.00050
17.60	0.99919	0.00047	16.60	1.00293	0.00049	15.60	0.99775	0.00050
17.80	1.00110	0.00046	16.80	1.00646	0.00048	15.80	1.00230	0.00048
18.00	1.00438	0.00045	17.00	1.00925	0.00047	16.00	1.00587	0.00049
18.10	1.00584	0.00045	17.10	1.01124	0.00048	16.20	1.00982	0.00049
						16.40	1.01458	0.00051
						16.60	1.01729	0.00049
						16.80	1.02182	0.00048
						17.00	1.02508	0.00049

2000	2100	2500						
12.00	0.91086	0.00049	12.00	0.91560	0.00054	11.00	0.89406	0.00053
12.20	0.91779	0.00052	12.20	0.92244	0.00051	11.20	0.90121	0.00054
12.40	0.92417	0.00052	12.40	0.92783	0.00050	11.40	0.90701	0.00054
12.60	0.92914	0.00050	12.60	0.93480	0.00051	11.60	0.91366	0.00053
12.80	0.93450	0.00052	12.80	0.94019	0.00051	11.80	0.92074	0.00053
13.00	0.94104	0.00051	13.00	0.94628	0.00051	12.00	0.92749	0.00052
13.20	0.94679	0.00051	13.20	0.95237	0.00052	12.20	0.93421	0.00053

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13.40	0.95203	0.00052	13.40	0.95726	0.00050	12.40	0.94177	0.00054
13.60	0.95750	0.00052	13.60	0.96199	0.00052	12.60	0.94638	0.00054
13.80	0.96300	0.00052	13.80	0.96789	0.00050	12.80	0.95262	0.00053
14.00	0.96851	0.00050	14.00	0.97265	0.00054	13.00	0.95806	0.00054
14.20	0.97264	0.00049	14.20	0.97745	0.00051	13.20	0.96327	0.00052
14.40	0.97703	0.00050	14.40	0.98218	0.00051	13.40	0.97038	0.00052
14.60	0.98240	0.00051	14.60	0.98791	0.00050	13.60	0.97445	0.00050
14.80	0.98654	0.00051	14.80	0.99185	0.00051	13.80	0.97909	0.00056
15.00	0.99130	0.00049	15.00	0.99619	0.00052	14.00	0.98486	0.00054
15.20	0.99600	0.00052	15.20	1.00146	0.00049	14.20	0.98976	0.00051
15.40	0.99999	0.00048	15.40	1.00542	0.00053	14.40	0.99473	0.00053
15.60	1.00405	0.00051	15.60	1.00904	0.00050	14.60	0.99895	0.00050
15.80	1.00836	0.00048	15.80	1.01429	0.00052	14.80	1.00591	0.00053
16.00	1.01324	0.00050	16.00	1.01757	0.00050	15.00	1.00788	0.00052
16.20	1.01655	0.00048	16.20	1.02117	0.00049	15.20	1.01327	0.00052
16.40	1.02086	0.00051				15.40	1.01762	0.00051
16.60	1.02417	0.00053				15.60	1.02176	0.00053
16.80	1.02670	0.00047				15.80	1.02527	0.00055
17.00	1.03078	0.00049				16.00	1.02992	0.00052

3000	4000	5000						
11.80	0.92418	0.00057	12.00	0.91497	0.00055	13.00	0.90839	0.00057
12.00	0.93129	0.00054	12.20	0.92087	0.00054	13.25	0.91507	0.00057
12.20	0.93680	0.00054	12.40	0.92638	0.00058	13.50	0.92088	0.00054
12.40	0.94314	0.00054	12.60	0.93204	0.00057	13.75	0.92798	0.00055
12.60	0.94972	0.00055	12.80	0.94047	0.00057	14.00	0.93381	0.00055
12.80	0.95424	0.00054	13.00	0.94338	0.00053	14.25	0.93842	0.00055
13.00	0.96081	0.00055	13.20	0.94941	0.00054	14.50	0.94439	0.00053
13.20	0.96650	0.00055	13.40	0.95511	0.00053	14.75	0.95069	0.00055
13.40	0.97157	0.00055	13.60	0.96037	0.00054	15.00	0.95661	0.00054
13.60	0.97741	0.00058	13.80	0.96474	0.00053	15.25	0.96166	0.00055
13.80	0.98204	0.00054	14.00	0.96959	0.00054	15.50	0.96667	0.00055
14.00	0.98828	0.00053	14.20	0.97548	0.00053	15.75	0.97109	0.00054
14.20	0.99309	0.00054	14.40	0.97996	0.00054	16.00	0.97640	0.00055
14.40	0.99729	0.00053	14.60	0.98479	0.00056	16.25	0.98021	0.00056
14.60	1.00223	0.00053	14.80	0.98862	0.00055	16.50	0.98608	0.00057
14.80	1.00740	0.00056	15.00	0.99391	0.00057	16.75	0.98964	0.00056
15.00	1.01164	0.00056	15.20	0.99801	0.00054	17.00	0.99490	0.00055
15.20	1.01609	0.00054	15.40	1.00290	0.00051	17.25	0.99945	0.00054
15.40	1.02107	0.00053	15.60	1.00650	0.00057	17.50	1.00287	0.00054
15.60	1.02464	0.00054	15.80	1.01018	0.00056	17.75	1.00665	0.00054
15.80	1.02816	0.00056	16.00	1.01473	0.00055	18.00	1.00951	0.00054
16.00	1.03207	0.00054	16.20	1.01690	0.00053	18.25	1.01355	0.00055
			16.40	1.02221	0.00056	18.50	1.01663	0.00054
			16.60	1.02499	0.00056	18.75	1.02073	0.00055
			16.80	1.02936	0.00056	19.00	1.02466	0.00055
			17.00	1.03291	0.00056	19.25	1.02864	0.00053
						19.50	1.03237	0.00053
						19.75	1.03560	0.00054
						20.00	1.03946	0.00053

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6000	7000	7500
16.00 0.92517 0.00053	20.00 0.91928 0.00051	25.00 0.92563 0.00050
16.25 0.92947 0.00052	20.50 0.92417 0.00052	26.00 0.93223 0.00049
16.50 0.93327 0.00054	21.00 0.92959 0.00050	27.00 0.93963 0.00049
16.75 0.93823 0.00051	21.50 0.93571 0.00052	28.00 0.94498 0.00048
17.00 0.94129 0.00054	22.00 0.93966 0.00052	29.00 0.95038 0.00050
17.25 0.94531 0.00053	22.50 0.94392 0.00052	30.00 0.95393 0.00050
17.50 0.95024 0.00052	23.00 0.94874 0.00052	31.00 0.95985 0.00048
17.75 0.95319 0.00054	23.50 0.95272 0.00053	32.00 0.96408 0.00051
18.00 0.95814 0.00051	24.00 0.95779 0.00051	33.00 0.96955 0.00049
18.25 0.96098 0.00050	24.50 0.96121 0.00050	34.00 0.97210 0.00051
18.50 0.96462 0.00054	25.00 0.96451 0.00052	35.00 0.97646 0.00048
18.75 0.96808 0.00052	25.50 0.96798 0.00052	36.00 0.97988 0.00049
19.00 0.97175 0.00054	26.00 0.97291 0.00049	37.00 0.98329 0.00047
19.25 0.97354 0.00055	26.50 0.97558 0.00051	38.00 0.98645 0.00049
19.50 0.97771 0.00053	27.00 0.97835 0.00051	39.00 0.98887 0.00049
19.75 0.98143 0.00054	27.50 0.98089 0.00051	40.00 0.99185 0.00049
20.00 0.98452 0.00052	28.00 0.98474 0.00051	41.00 0.99368 0.00048
20.25 0.98746 0.00055	28.50 0.98728 0.00051	42.00 0.99600 0.00046
20.50 0.99006 0.00052	29.00 0.99021 0.00052	43.00 0.99906 0.00049
20.75 0.99221 0.00056	29.50 0.99391 0.00048	44.00 1.00078 0.00049
21.00 0.99654 0.00052	30.00 0.99551 0.00051	45.00 1.00274 0.00050
21.25 0.99891 0.00054	30.50 0.99832 0.00050	46.00 1.00437 0.00047
21.50 1.00103 0.00051	31.00 1.00020 0.00050	47.00 1.00714 0.00047
21.75 1.00504 0.00052	31.50 1.00218 0.00050	48.00 1.00866 0.00050
22.00 1.00672 0.00054	32.00 1.00553 0.00050	49.00 1.00959 0.00049
	32.50 1.00747 0.00049	50.00 1.01080 0.00049
	33.00 1.00893 0.00050	
	33.50 1.01211 0.00051	
	34.00 1.01355 0.00051	
	34.50 1.01646 0.00047	
	35.00 1.01767 0.00050	

8000	9000	10000
35.00 0.93257 0.00049	999.98 0.90390 0.00043	999.98 0.77870 0.00036
37.50 0.94040 0.00047	999.99 0.90390 0.00043	999.99 0.77870 0.00036
40.00 0.94689 0.00048		
42.50 0.95230 0.00046		
45.00 0.95699 0.00048		
47.50 0.96210 0.00046		
50.00 0.96603 0.00048		
52.50 0.96951 0.00047		
55.00 0.97212 0.00047		
57.50 0.97489 0.00046		
60.00 0.97693 0.00046		
62.50 0.97989 0.00047		
65.00 0.98077 0.00047		
67.50 0.98371 0.00046		
70.00 0.98540 0.00046		
72.50 0.98629 0.00046		
75.00 0.98915 0.00045		
77.50 0.98882 0.00045		
80.00 0.99044 0.00045		
82.50 0.99126 0.00047		
85.00 0.99270 0.00045		
87.50 0.99448 0.00047		
90.00 0.99377 0.00045		
92.50 0.99638 0.00045		
95.00 0.99508 0.00042		
97.50 0.99644 0.00046		
100.00 0.99794 0.00044		
102.50 0.99711 0.00044		

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105.00	0.99820	0.00046
107.50	0.99956	0.00046
110.00	0.99906	0.00045
112.50	1.00014	0.00047
115.00	1.00034	0.00046
117.50	1.00030	0.00046
120.00	1.00157	0.00045

## sumtable.u5o2-icyl-0030-00

20			25			30		
999.98	0.08048	0.00002	999.98	0.09934	0.00003	999.98	0.11783	0.00003
999.99	0.08048	0.00002	999.99	0.09934	0.00003	999.99	0.11783	0.00003
40			45			50		
999.98	0.15360	0.00004	999.98	0.17064	0.00004	999.98	0.18762	0.00005
999.99	0.15360	0.00004	999.99	0.17064	0.00004	999.99	0.18762	0.00005
55			60			65		
999.98	0.20406	0.00005	999.98	0.22010	0.00005	999.98	0.23584	0.00006
999.99	0.20406	0.00005	999.99	0.22010	0.00005	999.99	0.23584	0.00006
70			80			100		
999.98	0.25132	0.00007	999.98	0.28116	0.00007	999.98	0.33719	0.00008
999.99	0.25132	0.00007	999.99	0.28116	0.00007	999.99	0.33719	0.00008
130			150			170		
999.98	0.41385	0.00010	999.98	0.46015	0.00011	999.98	0.50303	0.00012
999.99	0.41385	0.00010	999.99	0.46015	0.00011	999.99	0.50303	0.00012
200			350			400		
999.98	0.56228	0.00013	999.98	0.78614	0.00019	999.98	0.84172	0.00018
999.99	0.56228	0.00013	999.99	0.78614	0.00019	999.99	0.84172	0.00018
500			650			800		
999.98	0.93309	0.00022	30.00	0.93622	0.00033	20.00	0.90667	0.00044
999.99	0.93309	0.00022	31.00	0.94253	0.00033	20.50	0.91369	0.00043
			32.00	0.94667	0.00033	21.00	0.92099	0.00042
			33.00	0.95204	0.00033	21.50	0.92735	0.00042
			34.00	0.95651	0.00033	22.00	0.93418	0.00041
			35.00	0.95988	0.00033	22.50	0.94034	0.00044
			36.00	0.96349	0.00031	23.00	0.94607	0.00041
			37.00	0.96684	0.00032	23.50	0.95197	0.00042
			38.00	0.97011	0.00032	24.00	0.95777	0.00043
			39.00	0.97286	0.00031	24.50	0.96287	0.00040
			40.00	0.97595	0.00032	25.00	0.96726	0.00042
			41.00	0.97860	0.00031	25.50	0.97182	0.00041
			42.00	0.98149	0.00030	26.00	0.97561	0.00040
			43.00	0.98281	0.00032	26.50	0.98060	0.00041
			44.00	0.98508	0.00030	27.00	0.98463	0.00040
			45.00	0.98763	0.00030	27.50	0.98794	0.00040
			46.00	0.98910	0.00030	28.00	0.99109	0.00040
			47.00	0.98985	0.00030	28.50	0.99503	0.00040
			48.00	0.99243	0.00030	29.00	0.99944	0.00039
			49.00	0.99445	0.00030	29.50	1.00219	0.00039
			50.00	0.99593	0.00030	30.00	1.00384	0.00038
			51.00	0.99672	0.00030	30.50	1.00777	0.00039
			52.00	0.99845	0.00029	31.00	1.00967	0.00040
			53.00	1.00016	0.00029	31.50	1.01326	0.00038
			54.00	1.00120	0.00028	32.00	1.01538	0.00039
			55.00	1.00231	0.00029			

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900	1000	1200
20.00 0.93824 0.00043	17.00 0.90642 0.00048	16.00 0.91890 0.00050
20.20 0.94116 0.00041	17.25 0.91166 0.00050	16.05 0.91992 0.00046
20.40 0.94506 0.00043	17.50 0.91812 0.00047	16.10 0.92124 0.00050
20.60 0.94747 0.00043	17.75 0.92212 0.00048	16.15 0.92443 0.00051
20.80 0.95044 0.00041	18.00 0.92817 0.00047	16.20 0.92423 0.00049
21.00 0.95371 0.00042	18.25 0.93307 0.00047	16.25 0.92552 0.00048
21.20 0.95705 0.00042	18.50 0.93755 0.00049	16.30 0.92670 0.00050
21.40 0.96058 0.00043	18.75 0.94344 0.00047	16.35 0.92843 0.00048
21.60 0.96245 0.00042	19.00 0.94747 0.00046	16.40 0.92961 0.00050
21.80 0.96435 0.00041	19.25 0.95267 0.00047	16.45 0.93107 0.00049
22.00 0.96800 0.00041	19.50 0.95641 0.00045	16.50 0.93151 0.00048
22.20 0.96966 0.00041	19.75 0.95999 0.00047	16.55 0.93303 0.00050
22.40 0.97184 0.00041	20.00 0.96469 0.00045	16.60 0.93442 0.00049
22.60 0.97556 0.00041	20.25 0.97141 0.00047	16.65 0.93617 0.00048
22.80 0.97772 0.00041	20.50 0.97390 0.00047	16.70 0.93759 0.00048
23.00 0.98002 0.00040	20.75 0.97786 0.00046	16.75 0.93825 0.00049
23.20 0.98270 0.00039	21.00 0.98133 0.00045	16.80 0.93970 0.00048
23.40 0.98473 0.00043	21.25 0.98418 0.00046	16.85 0.94142 0.00048
23.60 0.98676 0.00043	21.50 0.98935 0.00047	16.90 0.94099 0.00049
23.80 0.98823 0.00041	21.75 0.99251 0.00045	16.95 0.94299 0.00050
24.00 0.99037 0.00041	22.00 0.99536 0.00045	17.00 0.94528 0.00049
24.20 0.99328 0.00041	22.25 0.99856 0.00046	17.05 0.94595 0.00047
24.40 0.99583 0.00040	22.50 1.00100 0.00045	17.10 0.94703 0.00049
24.60 0.99612 0.00042	22.75 1.00491 0.00045	17.15 0.94813 0.00047
24.80 0.99878 0.00040	23.00 1.00789 0.00046	17.20 0.94775 0.00050
25.00 1.00092 0.00040	23.25 1.01110 0.00045	17.25 0.95058 0.00049
25.20 1.00301 0.00041	23.50 1.01347 0.00044	17.30 0.95196 0.00049
25.40 1.00463 0.00039	23.75 1.01638 0.00044	17.35 0.95368 0.00049
	24.00 1.01905 0.00044	17.40 0.95542 0.00049
		17.45 0.95591 0.00047
		17.50 0.95614 0.00048
		17.55 0.95858 0.00049
		17.60 0.95835 0.00051
		17.65 0.95957 0.00048
		17.70 0.96128 0.00048
		17.75 0.96277 0.00047
		17.80 0.96380 0.00048
		17.85 0.96448 0.00048
		17.90 0.96627 0.00048
		17.95 0.96713 0.00049
		18.00 0.96870 0.00047
		18.05 0.96947 0.00048
		18.10 0.96996 0.00048
		18.15 0.97092 0.00047
		18.20 0.97166 0.00046
		18.25 0.97193 0.00050
		18.30 0.97444 0.00048
		18.35 0.97574 0.00049
		18.40 0.97615 0.00047
		18.45 0.97805 0.00047
		18.50 0.97792 0.00048
		18.55 0.97978 0.00047
		18.60 0.98039 0.00049
		18.65 0.98053 0.00047
		18.70 0.98191 0.00048
		18.75 0.98340 0.00048
		18.80 0.98361 0.00048
		18.85 0.98570 0.00049
		18.90 0.98588 0.00047
		18.95 0.98754 0.00047
		19.00 0.98785 0.00047
		19.05 0.98927 0.00047

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19.10	0.98954	0.00048
19.15	0.99121	0.00046
19.20	0.99108	0.00048
19.25	0.99349	0.00046
19.30	0.99366	0.00048
19.35	0.99525	0.00048
19.40	0.99671	0.00046
19.45	0.99641	0.00047
19.50	0.99740	0.00047
19.55	1.00021	0.00048
19.60	0.99986	0.00047
19.65	1.00054	0.00049
19.70	1.00011	0.00048
19.75	1.00222	0.00047
19.80	1.00354	0.00046
19.85	1.00375	0.00047
19.90	1.00480	0.00047
19.95	1.00569	0.00047
20.00	1.00798	0.00046

1500	1700	1900
14.90 0.92173 0.00057	14.00 0.90454 0.00056	14.00 0.91296 0.00057
15.10 0.92803 0.00054	14.20 0.91245 0.00059	14.10 0.91822 0.00057
15.30 0.93453 0.00055	14.40 0.92046 0.00058	14.20 0.92203 0.00058
15.50 0.93998 0.00055	14.60 0.92736 0.00056	14.30 0.92631 0.00058
15.70 0.94676 0.00055	14.80 0.93312 0.00056	14.40 0.92928 0.00056
15.90 0.95284 0.00056	15.00 0.94057 0.00057	14.50 0.93245 0.00060
16.10 0.95840 0.00054	15.20 0.94711 0.00055	14.60 0.93629 0.00059
16.30 0.96399 0.00053	15.40 0.95328 0.00057	14.70 0.94004 0.00058
16.50 0.96898 0.00054	15.60 0.95891 0.00056	14.80 0.94351 0.00056
16.70 0.97470 0.00056	15.80 0.96540 0.00056	14.90 0.94771 0.00058
16.90 0.98064 0.00053	16.00 0.97081 0.00056	15.00 0.95040 0.00056
17.10 0.98434 0.00054	16.20 0.97635 0.00056	15.10 0.95448 0.00060
17.30 0.98898 0.00054	16.40 0.98288 0.00055	15.20 0.95658 0.00059
17.50 0.99510 0.00053	16.60 0.98711 0.00056	15.30 0.96171 0.00058
17.70 1.00037 0.00051	16.80 0.99391 0.00055	15.40 0.96382 0.00059
17.90 1.00440 0.00054	17.00 0.99715 0.00059	15.50 0.96783 0.00057
18.10 1.00896 0.00056	17.20 1.00371 0.00056	15.60 0.96904 0.00058
18.30 1.01301 0.00053	17.40 1.00749 0.00058	15.70 0.97209 0.00057
18.50 1.01671 0.00055	17.60 1.01314 0.00056	15.80 0.97576 0.00057
18.70 1.02157 0.00052	17.80 1.02010 0.00055	15.90 0.97961 0.00056
18.90 1.02621 0.00052	18.00 1.02180 0.00054	16.00 0.98184 0.00059
19.00 1.02852 0.00053		16.10 0.98370 0.00055
		16.20 0.98814 0.00057
		16.30 0.99031 0.00058
		16.40 0.99206 0.00059
		16.50 0.99514 0.00058
		16.60 0.99849 0.00056
		16.70 1.00164 0.00059
		16.80 1.00446 0.00056
		16.90 1.00763 0.00057
		17.00 1.00844 0.00056

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2000	2100	2500
14.00 0.91739 0.00059	14.00 0.92130 0.00060	14.00 0.92337 0.00059
14.10 0.92030 0.00059	14.10 0.92486 0.00058	14.10 0.92786 0.00062
14.20 0.92488 0.00059	14.20 0.92798 0.00058	14.20 0.93160 0.00058
14.30 0.92969 0.00059	14.30 0.93218 0.00057	14.30 0.93622 0.00060
14.40 0.93298 0.00059	14.40 0.93518 0.00057	14.40 0.93940 0.00063
14.50 0.93662 0.00057	14.50 0.93838 0.00058	14.50 0.94241 0.00059
14.60 0.94125 0.00058	14.60 0.94251 0.00058	14.60 0.94636 0.00062
14.70 0.94412 0.00060	14.70 0.94579 0.00059	14.70 0.95189 0.00061
14.80 0.94790 0.00057	14.80 0.94974 0.00058	14.80 0.95441 0.00057
14.90 0.94918 0.00059	14.90 0.95271 0.00058	14.90 0.95745 0.00063
15.00 0.95453 0.00057	15.00 0.95751 0.00060	15.00 0.96156 0.00060
15.10 0.95750 0.00056	15.10 0.95957 0.00060	15.10 0.96264 0.00060
15.20 0.96066 0.00058	15.20 0.96322 0.00059	15.20 0.96629 0.00059
15.30 0.96432 0.00057	15.30 0.96713 0.00058	15.30 0.97087 0.00058
15.40 0.96735 0.00059	15.40 0.97006 0.00059	15.40 0.97357 0.00060
15.50 0.96998 0.00059	15.50 0.97235 0.00058	15.50 0.97623 0.00059
15.60 0.97365 0.00058	15.60 0.97619 0.00059	15.60 0.98036 0.00061
15.70 0.97635 0.00058	15.70 0.97903 0.00061	15.70 0.98448 0.00058
15.80 0.97840 0.00060	15.80 0.98258 0.00058	15.80 0.98739 0.00059
15.90 0.98234 0.00058	15.90 0.98611 0.00057	15.90 0.98979 0.00059
16.00 0.98548 0.00055	16.00 0.98886 0.00058	16.00 0.99414 0.00059
16.10 0.98930 0.00058	16.10 0.99172 0.00059	16.10 0.99584 0.00059
16.20 0.99072 0.00059	16.20 0.99446 0.00057	16.20 0.99977 0.00060
16.30 0.99397 0.00057	16.30 0.99829 0.00059	16.30 1.00211 0.00060
16.40 0.99712 0.00057	16.40 0.99854 0.00061	16.40 1.00518 0.00058
16.50 1.00004 0.00058	16.50 1.00407 0.00058	16.50 1.00820 0.00059
16.60 1.00249 0.00058	16.60 1.00675 0.00058	16.60 1.00923 0.00056
16.70 1.00576 0.00059	16.70 1.00850 0.00060	16.70 1.01359 0.00059
16.80 1.00799 0.00055	16.80 1.01133 0.00059	16.80 1.01590 0.00059
16.90 1.01111 0.00055	16.90 1.01320 0.00061	16.90 1.01957 0.00060
17.00 1.01366 0.00060	17.00 1.01695 0.00058	17.00 1.02097 0.00058

3000	4000	5000
14.00 0.91758 0.00061	15.00 0.92229 0.00065	16.80 0.92842 0.00059
14.20 0.92667 0.00063	15.20 0.92820 0.00061	17.00 0.93216 0.00060
14.40 0.93371 0.00062	15.40 0.93458 0.00062	17.20 0.93790 0.00058
14.60 0.94098 0.00061	15.60 0.94234 0.00063	17.40 0.94370 0.00058
14.80 0.94857 0.00063	15.80 0.94789 0.00063	17.60 0.94971 0.00060
15.00 0.95544 0.00062	16.00 0.95507 0.00063	17.80 0.95390 0.00060
15.20 0.96114 0.00061	16.20 0.95922 0.00060	18.00 0.95966 0.00060
15.40 0.96949 0.00061	16.40 0.96659 0.00062	18.20 0.96323 0.00059
15.60 0.97420 0.00063	16.60 0.97281 0.00062	18.40 0.97021 0.00061
15.80 0.98232 0.00061	16.80 0.97881 0.00059	18.60 0.97522 0.00057
16.00 0.98790 0.00061	17.00 0.98411 0.00064	18.80 0.97902 0.00059
16.20 0.99347 0.00062	17.20 0.98994 0.00061	19.00 0.98247 0.00059
16.40 1.00010 0.00062	17.40 0.99521 0.00060	19.20 0.98654 0.00062
16.60 1.00534 0.00060	17.60 1.00031 0.00059	19.40 0.99301 0.00059
16.80 1.01062 0.00060	17.80 1.00531 0.00061	19.60 0.99682 0.00058
17.00 1.01683 0.00061	18.00 1.01005 0.00058	19.80 1.00050 0.00060
17.20 1.02213 0.00063	18.20 1.01556 0.00060	20.00 1.00433 0.00059
17.40 1.02741 0.00059		20.20 1.00819 0.00061
17.60 1.03173 0.00062		20.40 1.01104 0.00059
17.80 1.03763 0.00061		20.60 1.01567 0.00059
18.00 1.04193 0.00060		20.80 1.01892 0.00060
		21.00 1.02421 0.00056

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6000	7000	7500
19.00 0.91927 0.00059	23.00 0.91567 0.00055	28.00 0.93207 0.00052
19.25 0.92423 0.00058	23.50 0.92096 0.00054	28.50 0.93552 0.00053
19.50 0.92943 0.00058	24.00 0.92907 0.00055	29.00 0.93944 0.00051
19.75 0.93457 0.00055	24.50 0.93559 0.00056	29.50 0.94404 0.00052
20.00 0.93934 0.00059	25.00 0.94177 0.00057	30.00 0.94736 0.00052
20.25 0.94477 0.00059	25.50 0.94833 0.00055	30.50 0.95166 0.00051
20.50 0.94965 0.00059	26.00 0.95414 0.00055	31.00 0.95550 0.00051
20.75 0.95372 0.00061	26.50 0.95941 0.00052	31.50 0.95925 0.00053
21.00 0.95950 0.00057	27.00 0.96365 0.00054	32.00 0.96327 0.00052
21.25 0.96282 0.00057	27.50 0.96941 0.00055	32.50 0.96545 0.00052
21.50 0.96690 0.00057	28.00 0.97412 0.00054	33.00 0.96830 0.00051
21.75 0.97196 0.00056	28.50 0.97801 0.00054	33.50 0.97250 0.00051
22.00 0.97590 0.00056	29.00 0.98323 0.00055	34.00 0.97410 0.00051
22.25 0.97958 0.00058	29.50 0.98639 0.00053	34.50 0.97885 0.00052
22.50 0.98376 0.00058	30.00 0.99126 0.00055	35.00 0.98040 0.00051
22.75 0.98695 0.00057	30.50 0.99388 0.00051	35.50 0.98319 0.00049
23.00 0.99050 0.00057	31.00 0.99779 0.00052	36.00 0.98642 0.00050
23.25 0.99389 0.00058	31.50 1.00202 0.00055	36.50 0.98847 0.00050
23.50 0.99784 0.00057	32.00 1.00592 0.00052	37.00 0.99130 0.00051
23.75 1.00155 0.00056	32.50 1.00763 0.00050	37.50 0.99303 0.00048
24.00 1.00452 0.00055	33.00 1.01195 0.00052	38.00 0.99538 0.00050
24.25 1.00861 0.00058	33.50 1.01419 0.00052	38.50 0.99722 0.00050
24.50 1.01171 0.00057	34.00 1.01796 0.00052	39.00 0.99940 0.00051
24.75 1.01353 0.00056		39.50 1.00242 0.00052
25.00 1.01848 0.00058		40.00 1.00440 0.00049
		40.50 1.00532 0.00050
		41.00 1.00787 0.00052
		41.50 1.00797 0.00050
		42.00 1.01035 0.00051

8000	9000	10000
30.00 0.90228 0.00050	999.98 0.94077 0.00041	999.98 0.82372 0.00035
32.00 0.91568 0.00050	999.99 0.94077 0.00041	999.99 0.82372 0.00035
34.00 0.92812 0.00051		
36.00 0.93945 0.00049		
38.00 0.94918 0.00050		
40.00 0.95667 0.00048		
42.00 0.96558 0.00048		
44.00 0.97144 0.00048		
46.00 0.97583 0.00048		
48.00 0.98070 0.00049		
50.00 0.98588 0.00049		
52.00 0.98957 0.00050		
54.00 0.99312 0.00047		
56.00 0.99522 0.00049		
58.00 0.99930 0.00049		
60.00 1.00298 0.00046		
62.00 1.00490 0.00047		
64.00 1.00745 0.00049		
66.00 1.00866 0.00048		
68.00 1.01176 0.00046		
70.00 1.01302 0.00047		

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sumtable.u5o2-icyl-0030-01								
	20		25		30			
999.98	0.08048	0.00002	999.98	0.09934	0.00003	999.98	0.11783	0.00003
999.99	0.08048	0.00002	999.99	0.09934	0.00003	999.99	0.11783	0.00003
	40		45		50			
999.98	0.15360	0.00004	999.98	0.17064	0.00004	999.98	0.18762	0.00005
999.99	0.15360	0.00004	999.99	0.17064	0.00004	999.99	0.18762	0.00005
	55		60		65			
999.98	0.20406	0.00005	999.98	0.22010	0.00005	999.98	0.23584	0.00006
999.99	0.20406	0.00005	999.99	0.22010	0.00005	999.99	0.23584	0.00006
	70		80		100			
999.98	0.25132	0.00007	999.98	0.28116	0.00007	999.98	0.33719	0.00008
999.99	0.25132	0.00007	999.99	0.28116	0.00007	999.99	0.33719	0.00008
	130		150		170			
999.98	0.41385	0.00010	999.98	0.46015	0.00011	999.98	0.50303	0.00012
999.99	0.41385	0.00010	999.99	0.46015	0.00011	999.99	0.50303	0.00012
	200		350		400			
999.98	0.56228	0.00013	999.98	0.78614	0.00019	999.98	0.84172	0.00018
999.99	0.56228	0.00013	999.99	0.78614	0.00019	999.99	0.84172	0.00018
	500		650		800			
999.98	0.93309	0.00022	28.00	0.93413	0.00033	20.00	0.92921	0.00042
999.99	0.93309	0.00022	29.00	0.94010	0.00033	20.50	0.93620	0.00041
	30.00		31.00		32.00		33.00	
	0.94441	0.00034	0.95016	0.00033	0.95311	0.00032	0.95822	0.00033
	31.00		32.00		33.00		34.00	
	0.94441	0.00034	0.95016	0.00033	0.95311	0.00032	0.95822	0.00033
	32.00		33.00		34.00		35.00	
	0.95016	0.00033	0.95311	0.00032	0.95822	0.00033	0.96181	0.00032
	33.00		34.00		35.00		36.00	
	0.95311	0.00032	0.95822	0.00033	0.96181	0.00032	0.96553	0.00030
	34.00		35.00		36.00		37.00	
	0.95822	0.00033	0.96181	0.00032	0.96553	0.00030	0.96886	0.00031
	35.00		36.00		37.00		38.00	
	0.96181	0.00032	0.96553	0.00030	0.96886	0.00031	0.97195	0.00031
	36.00		37.00		38.00		39.00	
	0.96553	0.00030	0.96886	0.00031	0.97195	0.00031	0.97433	0.00031
	37.00		38.00		39.00		40.00	
	0.96886	0.00031	0.97195	0.00031	0.97433	0.00031	0.97743	0.00030
	38.00		39.00		40.00		41.00	
	0.97195	0.00031	0.97433	0.00031	0.97743	0.00030	0.98225	0.00030
	39.00		40.00		41.00		42.00	
	0.97433	0.00031	0.97743	0.00030	0.98225	0.00030	0.98482	0.00030
	40.00		41.00		42.00		43.00	
	0.97743	0.00030	0.98225	0.00030	0.98482	0.00030	0.98635	0.00031
	41.00		42.00		43.00		44.00	
	0.98225	0.00030	0.98482	0.00030	0.98635	0.00031	0.98821	0.00029
	42.00		43.00		44.00		45.00	
	0.98482	0.00030	0.98635	0.00031	0.98821	0.00029	0.99026	0.00030
	43.00		44.00		45.00		46.00	
	0.98635	0.00031	0.98821	0.00029	0.99026	0.00030	0.99225	0.00028
	44.00		45.00		46.00		47.00	
	0.98821	0.00029	0.99026	0.00030	0.99225	0.00028	0.99439	0.00029
	45.00		46.00		47.00		48.00	
	0.99026	0.00030	0.99225	0.00028	0.99439	0.00029	0.99512	0.00030
	46.00		47.00		48.00		49.00	
	0.99225	0.00028	0.99439	0.00029	0.99512	0.00030	0.99711	0.00029
	47.00		48.00		49.00		50.00	
	0.99439	0.00029	0.99512	0.00030	0.99711	0.00029	0.99777	0.00029
	48.00		49.00		50.00		51.00	
	0.99512	0.00030	0.99711	0.00029	0.99777	0.00029	0.99871	0.00028
	49.00		50.00		51.00		52.00	
	0.99711	0.00029	0.99777	0.00029	0.99871	0.00028	1.00087	0.00028
	50.00		51.00		52.00		53.00	
	0.99777	0.00029	0.99871	0.00028	1.00087	0.00028	1.00157	0.00028
	51.00		52.00		53.00		54.00	
	0.99871	0.00028	1.00087	0.00028	1.00157	0.00028	1.00320	0.00029
	52.00		53.00		54.00			
	1.00087	0.00028	1.00157	0.00028	1.00320	0.00029		

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900	1000	1200
18.00 0.93142 0.00041	16.00 0.92011 0.00047	14.00 0.90815 0.00048
18.20 0.93396 0.00041	16.25 0.92494 0.00045	14.25 0.91394 0.00048
18.40 0.93780 0.00042	16.50 0.93025 0.00046	14.50 0.92064 0.00048
18.60 0.94166 0.00042	16.75 0.93452 0.00047	14.75 0.92714 0.00047
18.80 0.94307 0.00043	17.00 0.93997 0.00047	15.00 0.93515 0.00047
19.00 0.94688 0.00042	17.25 0.94546 0.00047	15.25 0.94036 0.00047
19.20 0.95073 0.00041	17.50 0.94909 0.00046	15.50 0.94695 0.00047
19.40 0.95378 0.00042	17.75 0.95303 0.00047	15.75 0.95310 0.00046
19.60 0.95666 0.00041	18.00 0.95818 0.00047	16.00 0.95869 0.00049
19.80 0.95942 0.00041	18.25 0.96325 0.00046	16.25 0.96434 0.00048
20.00 0.96203 0.00041	18.50 0.96670 0.00047	16.50 0.97015 0.00047
20.20 0.96507 0.00041	18.75 0.97118 0.00045	16.75 0.97456 0.00048
20.40 0.96796 0.00041	19.00 0.97423 0.00044	17.00 0.97991 0.00045
20.60 0.97008 0.00041	19.25 0.97813 0.00047	17.25 0.98536 0.00045
20.80 0.97153 0.00040	19.50 0.98144 0.00047	17.50 0.99106 0.00047
21.00 0.97529 0.00042	19.75 0.98585 0.00044	17.75 0.99564 0.00048
21.20 0.97782 0.00041	20.00 0.98903 0.00046	18.00 0.99951 0.00047
21.40 0.98005 0.00040	20.25 0.99302 0.00045	18.25 1.00415 0.00046
21.60 0.98209 0.00038	20.50 0.99609 0.00045	18.50 1.00890 0.00048
21.80 0.98442 0.00041	20.75 0.99963 0.00045	18.75 1.01243 0.00046
22.00 0.98683 0.00040	21.00 1.00273 0.00046	19.00 1.01624 0.00044
22.20 0.98939 0.00040	21.25 1.00654 0.00045	19.25 1.02116 0.00045
22.40 0.99150 0.00040	21.50 1.00923 0.00042	19.50 1.02493 0.00045
22.60 0.99248 0.00041	21.75 1.01208 0.00043	19.75 1.02910 0.00046
22.80 0.99562 0.00040	22.00 1.01458 0.00043	20.00 1.03179 0.00047
23.00 0.99723 0.00040		
23.20 0.99966 0.00041		
23.40 1.00101 0.00040		
23.60 1.00274 0.00041		
23.80 1.00533 0.00041		
24.00 1.00694 0.00039		

1500	1700	1900
13.70 0.93477 0.00055	12.80 0.92158 0.00055	12.80 0.93002 0.00056
13.90 0.94233 0.00055	13.00 0.92735 0.00055	12.90 0.93541 0.00056
14.10 0.94883 0.00053	13.20 0.93405 0.00055	13.00 0.93942 0.00058
14.30 0.95374 0.00053	13.40 0.94127 0.00056	13.10 0.94233 0.00056
14.50 0.95771 0.00055	13.60 0.94888 0.00054	13.20 0.94645 0.00058
14.70 0.96573 0.00053	13.80 0.95527 0.00056	13.30 0.94869 0.00056
14.90 0.97055 0.00054	14.00 0.96120 0.00053	13.40 0.95199 0.00057
15.10 0.97679 0.00052	14.20 0.96588 0.00054	13.50 0.95577 0.00056
15.30 0.97966 0.00054	14.40 0.97111 0.00055	13.60 0.95929 0.00058
15.50 0.98635 0.00054	14.60 0.97815 0.00056	13.70 0.96168 0.00057
15.70 0.99144 0.00054	14.80 0.98441 0.00056	13.80 0.96522 0.00055
15.90 0.99644 0.00054	15.00 0.99000 0.00055	13.90 0.96916 0.00059
16.10 0.99997 0.00053	15.20 0.99491 0.00053	14.00 0.97133 0.00056
16.30 1.00553 0.00050	15.40 0.99990 0.00054	14.10 0.97605 0.00057
16.50 1.00978 0.00051	15.60 1.00460 0.00055	14.20 0.97768 0.00057
16.70 1.01309 0.00053	15.80 1.01068 0.00055	14.30 0.98159 0.00056
16.90 1.01745 0.00055	16.00 1.01524 0.00054	14.40 0.98344 0.00055
17.00 1.02006 0.00050	16.20 1.02078 0.00053	14.50 0.98543 0.00056
		14.60 0.98941 0.00058
		14.70 0.99185 0.00057
		14.80 0.99521 0.00055
		14.90 0.99821 0.00055
		15.00 0.99940 0.00056
		15.10 1.00290 0.00054
		15.20 1.00628 0.00055

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2000	2100	2500
12.00 0.90454 0.00056	12.00 0.90799 0.00057	12.00 0.91195 0.00062
12.10 0.90792 0.00053	12.10 0.91060 0.00060	12.20 0.91977 0.00061
12.20 0.91236 0.00056	12.20 0.91604 0.00059	12.40 0.92712 0.00059
12.30 0.91666 0.00057	12.30 0.91961 0.00058	12.60 0.93643 0.00059
12.40 0.92075 0.00057	12.40 0.92320 0.00057	12.80 0.94416 0.00060
12.50 0.92400 0.00057	12.50 0.92794 0.00060	13.00 0.94951 0.00059
12.60 0.92818 0.00058	12.60 0.93149 0.00060	13.20 0.95691 0.00058
12.70 0.93185 0.00055	12.70 0.93549 0.00058	13.40 0.96421 0.00059
12.80 0.93606 0.00058	12.80 0.93800 0.00058	13.60 0.96989 0.00059
12.90 0.93858 0.00057	12.90 0.94235 0.00059	13.80 0.97788 0.00057
13.00 0.94287 0.00059	13.00 0.94466 0.00055	14.00 0.98345 0.00061
13.10 0.94589 0.00057	13.10 0.94912 0.00060	14.20 0.98930 0.00058
13.20 0.94853 0.00055	13.20 0.95237 0.00058	14.40 0.99596 0.00062
13.30 0.95229 0.00055	13.30 0.95676 0.00059	14.60 1.00296 0.00057
13.40 0.95663 0.00058	13.40 0.95854 0.00056	14.80 1.00844 0.00058
13.50 0.95844 0.00057	13.50 0.96336 0.00059	15.00 1.01385 0.00057
13.60 0.96291 0.00058	13.60 0.96597 0.00055	15.20 1.01980 0.00057
13.70 0.96660 0.00058	13.70 0.96810 0.00056	15.40 1.02310 0.00056
13.80 0.96955 0.00060	13.80 0.97197 0.00056	15.60 1.02932 0.00058
13.90 0.97215 0.00058	13.90 0.97403 0.00058	15.80 1.03488 0.00057
14.00 0.97515 0.00059	14.00 0.97900 0.00057	16.00 1.03901 0.00056
14.10 0.97851 0.00057	14.10 0.98160 0.00058	
14.20 0.98078 0.00059	14.20 0.98349 0.00059	
14.30 0.98496 0.00058	14.30 0.98820 0.00056	
14.40 0.98781 0.00057	14.40 0.99048 0.00059	
14.50 0.99048 0.00058	14.50 0.99350 0.00057	
14.60 0.99281 0.00058	14.60 0.99693 0.00057	
14.70 0.99586 0.00054	14.70 1.00007 0.00058	
14.80 0.99895 0.00054	14.80 1.00184 0.00057	
14.90 1.00210 0.00059	14.90 1.00397 0.00057	
15.00 1.00403 0.00058	15.00 1.00849 0.00055	
15.10 1.00853 0.00057	15.10 1.01036 0.00057	
15.20 1.00991 0.00056		
15.30 1.01324 0.00057		
15.40 1.01527 0.00058		

3000	4000	5000
12.00 0.90710 0.00061	13.00 0.91545 0.00062	14.00 0.90052 0.00061
12.10 0.91194 0.00060	13.20 0.92272 0.00060	14.25 0.90946 0.00060
12.20 0.91533 0.00062	13.40 0.93112 0.00060	14.50 0.91746 0.00058
12.30 0.91984 0.00060	13.60 0.93667 0.00060	14.75 0.92391 0.00061
12.40 0.92395 0.00061	13.80 0.94328 0.00060	15.00 0.93065 0.00059
12.50 0.92635 0.00060	14.00 0.94897 0.00061	15.25 0.93830 0.00058
12.60 0.93093 0.00058	14.20 0.95608 0.00060	15.50 0.94372 0.00059
12.70 0.93390 0.00060	14.40 0.96126 0.00062	15.75 0.95158 0.00060
12.80 0.93905 0.00059	14.60 0.96783 0.00063	16.00 0.95608 0.00057
12.90 0.94222 0.00060	14.80 0.97485 0.00061	16.25 0.96485 0.00064
13.00 0.94593 0.00062	15.00 0.97846 0.00059	16.50 0.96895 0.00058
13.10 0.94973 0.00064	15.20 0.98460 0.00061	16.75 0.97487 0.00056
13.20 0.95324 0.00060	15.40 0.99106 0.00059	17.00 0.98138 0.00058
13.30 0.95676 0.00061	15.60 0.99523 0.00059	17.25 0.98686 0.00059
13.40 0.96063 0.00059	15.80 1.00069 0.00058	17.50 0.99101 0.00060
13.50 0.96249 0.00060	16.00 1.00517 0.00060	17.75 0.99626 0.00057
13.60 0.96721 0.00064	16.20 1.01039 0.00059	18.00 1.00251 0.00060
13.70 0.96956 0.00062	16.40 1.01494 0.00061	18.25 1.00559 0.00061
13.80 0.97391 0.00059	16.60 1.02061 0.00061	18.50 1.01143 0.00060
13.90 0.97671 0.00058	16.80 1.02531 0.00060	18.75 1.01624 0.00058
14.00 0.97786 0.00060	17.00 1.02818 0.00062	19.00 1.02084 0.00061

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14.10	0.98229	0.00061				19.25	1.02594	0.00059
14.20	0.98588	0.00060				19.50	1.02987	0.00060
14.30	0.98937	0.00061				19.75	1.03353	0.00056
14.40	0.99156	0.00059				20.00	1.03798	0.00058
14.50	0.99538	0.00059						
14.60	0.99866	0.00061						
14.70	1.00071	0.00058						
14.80	1.00446	0.00059						
14.90	1.00610	0.00059						
15.00	1.00908	0.00059						
15.10	1.01291	0.00057						
15.20	1.01498	0.00062						

6000	7000	7500						
17.00	0.91862	0.00057	20.00	0.90304	0.00056	26.50	0.93753	0.00053
17.25	0.92367	0.00057	20.50	0.91026	0.00056	27.00	0.94217	0.00055
17.50	0.93001	0.00058	21.00	0.91775	0.00053	27.50	0.94578	0.00051
17.75	0.93472	0.00057	21.50	0.92408	0.00055	28.00	0.95000	0.00054
18.00	0.93956	0.00058	22.00	0.93118	0.00054	28.50	0.95449	0.00052
18.25	0.94505	0.00058	22.50	0.93811	0.00057	29.00	0.95698	0.00053
18.50	0.95120	0.00062	23.00	0.94418	0.00053	29.50	0.96088	0.00054
18.75	0.95484	0.00061	23.50	0.94981	0.00054	30.00	0.96345	0.00050
19.00	0.95878	0.00057	24.00	0.95548	0.00057	30.50	0.96709	0.00053
19.25	0.96295	0.00058	24.50	0.95932	0.00054	31.00	0.97036	0.00052
19.50	0.97003	0.00060	25.00	0.96446	0.00054	31.50	0.97453	0.00053
19.75	0.97246	0.00059	25.50	0.97054	0.00055	32.00	0.97738	0.00053
20.00	0.97625	0.00056	26.00	0.97427	0.00055	32.50	0.97871	0.00050
20.25	0.97960	0.00059	26.50	0.97856	0.00054	33.00	0.98100	0.00051
20.50	0.98379	0.00057	27.00	0.98395	0.00054	33.50	0.98517	0.00053
20.75	0.98736	0.00058	27.50	0.98681	0.00053	34.00	0.98552	0.00052
21.00	0.99100	0.00056	28.00	0.99183	0.00055	34.50	0.98945	0.00051
21.25	0.99414	0.00059	28.50	0.99524	0.00051	35.00	0.99181	0.00050
21.50	0.99754	0.00059	29.00	0.99904	0.00054	35.50	0.99446	0.00050
21.75	1.00145	0.00055	29.50	1.00377	0.00054	36.00	0.99464	0.00051
22.00	1.00506	0.00056	30.00	1.00637	0.00052	36.50	0.99876	0.00049
22.25	1.00864	0.00054	30.50	1.01054	0.00054	37.00	1.00045	0.00051
22.50	1.01157	0.00058	31.00	1.01229	0.00053	37.50	1.00245	0.00050
22.75	1.01434	0.00059						
23.00	1.01770	0.00057						

8000	9000	10000						
33.00	0.93651	0.00052	999.98	0.94077	0.00041	999.98	0.82372	0.00035
34.00	0.94189	0.00049	999.99	0.94077	0.00041	999.99	0.82372	0.00035
35.00	0.94537	0.00050						
36.00	0.95075	0.00048						
37.00	0.95411	0.00049						
38.00	0.95892	0.00051						
39.00	0.96342	0.00048						
40.00	0.96524	0.00047						
41.00	0.96865	0.00048						
42.00	0.97101	0.00049						
43.00	0.97327	0.00048						
44.00	0.97756	0.00049						

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45.00	0.97949	0.00050
46.00	0.98252	0.00049
47.00	0.98396	0.00050
48.00	0.98586	0.00049
49.00	0.98879	0.00049
50.00	0.99121	0.00049
51.00	0.99278	0.00047
52.00	0.99459	0.00049
53.00	0.99540	0.00048
54.00	0.99716	0.00047
55.00	0.99845	0.00048
56.00	1.00103	0.00049
57.00	1.00081	0.00047

## sumtable.u5o2-icyl-0030-10

20			25			30		
999.98	0.08048	0.00002	999.98	0.09934	0.00003	999.98	0.11783	0.00003
999.99	0.08048	0.00002	999.99	0.09934	0.00003	999.99	0.11783	0.00003
40			45			50		
999.98	0.15360	0.00004	999.98	0.17064	0.00004	999.98	0.18762	0.00005
999.99	0.15360	0.00004	999.99	0.17064	0.00004	999.99	0.18762	0.00005
55			60			65		
999.98	0.20406	0.00005	999.98	0.22010	0.00005	999.98	0.23584	0.00006
999.99	0.20406	0.00005	999.99	0.22010	0.00005	999.99	0.23584	0.00006
70			80			100		
999.98	0.25132	0.00007	999.98	0.28116	0.00007	999.98	0.33719	0.00008
999.99	0.25132	0.00007	999.99	0.28116	0.00007	999.99	0.33719	0.00008
130			150			170		
999.98	0.41385	0.00010	999.96	0.46015	0.00011	999.98	0.50303	0.00012
999.99	0.41385	0.00010	999.97	0.46015	0.00011	999.99	0.50303	0.00012
			999.98	0.46015	0.00011	999.99	0.46015	0.00011
200			350			400		
999.98	0.56228	0.00013	999.98	0.78614	0.00019	999.98	0.84172	0.00018
999.99	0.56228	0.00013	999.99	0.78614	0.00019	999.99	0.84172	0.00018
500			650			800		
999.98	0.93309	0.00022	27.00	0.93549	0.00033	18.00	0.91850	0.00040
999.99	0.93309	0.00022	28.00	0.94026	0.00032	18.50	0.92593	0.00039
			29.00	0.94547	0.00031	19.00	0.93183	0.00040
			30.00	0.95070	0.00032	19.50	0.93819	0.00040
			31.00	0.95575	0.00032	20.00	0.94468	0.00040
			32.00	0.95878	0.00032	20.50	0.94977	0.00041
			33.00	0.96217	0.00032	21.00	0.95587	0.00038
			34.00	0.96702	0.00031	21.50	0.96035	0.00040
			35.00	0.96947	0.00030	22.00	0.96643	0.00041
			36.00	0.97267	0.00031	22.50	0.97032	0.00040
			37.00	0.97498	0.00030	23.00	0.97461	0.00039
			38.00	0.97830	0.00030	23.50	0.97833	0.00037
			39.00	0.97990	0.00030	24.00	0.98282	0.00038
			40.00	0.98325	0.00029	24.50	0.98850	0.00038
			41.00	0.98570	0.00030	25.00	0.99080	0.00036
			42.00	0.98730	0.00029	25.50	0.99443	0.00037

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43.00 0.98891 0.00029	26.00 0.99782 0.00037
44.00 0.99091 0.00030	26.50 1.00094 0.00036
45.00 0.99254 0.00028	27.00 1.00394 0.00039
46.00 0.99372 0.00029	27.50 1.00691 0.00036
47.00 0.99587 0.00028	28.00 1.00988 0.00038
48.00 0.99652 0.00029	28.50 1.01310 0.00038
49.00 0.99839 0.00028	29.00 1.01470 0.00037
50.00 0.99984 0.00028	29.50 1.01717 0.00036
51.00 1.00155 0.00028	30.00 1.01999 0.00036
52.00 1.00244 0.00027	

900	1000	1200
15.00 0.89817 0.00041	14.00 0.90276 0.00045	13.80 0.93901 0.00045
15.25 0.90389 0.00041	14.25 0.90807 0.00045	13.90 0.93977 0.00045
15.50 0.90917 0.00042	14.50 0.91415 0.00046	14.00 0.94263 0.00047
15.75 0.91382 0.00040	14.75 0.91923 0.00046	14.10 0.94535 0.00044
16.00 0.91820 0.00041	15.00 0.92533 0.00044	14.20 0.94825 0.00045
16.25 0.92323 0.00041	15.25 0.93080 0.00045	14.30 0.95022 0.00044
16.50 0.92733 0.00040	15.50 0.93696 0.00046	14.40 0.95257 0.00044
16.75 0.93146 0.00039	15.75 0.94002 0.00044	14.50 0.95477 0.00044
17.00 0.93628 0.00039	16.00 0.94513 0.00042	14.60 0.95765 0.00045
17.25 0.94080 0.00040	16.25 0.95063 0.00044	14.70 0.95919 0.00045
17.50 0.94433 0.00039	16.50 0.95436 0.00047	14.80 0.96191 0.00045
17.75 0.94825 0.00040	16.75 0.95886 0.00045	14.90 0.96467 0.00045
18.00 0.95172 0.00040	17.00 0.96382 0.00044	15.00 0.96590 0.00044
18.25 0.95548 0.00039	17.25 0.96764 0.00044	15.10 0.96896 0.00046
18.50 0.95864 0.00040	17.50 0.97195 0.00043	15.20 0.97098 0.00045
18.75 0.96226 0.00039	17.75 0.97571 0.00044	15.30 0.97189 0.00041
19.00 0.96523 0.00038	18.00 0.97872 0.00046	15.40 0.97490 0.00046
19.25 0.96860 0.00040	18.25 0.98270 0.00042	15.50 0.97768 0.00044
19.50 0.97131 0.00038	18.50 0.98759 0.00043	15.60 0.97888 0.00044
19.75 0.97584 0.00040	18.75 0.99139 0.00044	15.70 0.98234 0.00045
20.00 0.97740 0.00038	19.00 0.99393 0.00042	15.80 0.98259 0.00045
20.25 0.98191 0.00038	19.25 0.99709 0.00042	15.90 0.98513 0.00046
20.50 0.98449 0.00040	19.50 1.00074 0.00041	16.00 0.98777 0.00045
20.75 0.98709 0.00037	19.75 1.00440 0.00044	16.10 0.99001 0.00045
21.00 0.98959 0.00037	20.00 1.00708 0.00041	16.20 0.99151 0.00044
21.25 0.99312 0.00039		16.30 0.99281 0.00044
21.50 0.99522 0.00037		16.40 0.99599 0.00046
21.75 0.99809 0.00039		16.50 0.99645 0.00044
22.00 1.00086 0.00040		16.60 0.99885 0.00046
		16.70 1.00035 0.00044
		16.80 1.00251 0.00044
		16.90 1.00478 0.00044
		17.00 1.00647 0.00044

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1500	1700	1900
11.90 0.92207 0.00050	11.60 0.92858 0.00052	11.00 0.91875 0.00053
12.10 0.92930 0.00050	11.70 0.93195 0.00053	11.20 0.92689 0.00052
12.30 0.93513 0.00051	11.80 0.93642 0.00052	11.40 0.93468 0.00055
12.50 0.94059 0.00050	11.90 0.93887 0.00051	11.60 0.94189 0.00053
12.70 0.94654 0.00051	12.00 0.94231 0.00053	11.80 0.94875 0.00054
12.90 0.95353 0.00050	12.10 0.94623 0.00054	12.00 0.95472 0.00053
13.10 0.95921 0.00050	12.20 0.94958 0.00051	12.20 0.96191 0.00054
13.30 0.96415 0.00051	12.30 0.95184 0.00053	12.40 0.96776 0.00050
13.50 0.97078 0.00051	12.40 0.95478 0.00051	12.60 0.97373 0.00053
13.70 0.97508 0.00051	12.50 0.95835 0.00053	12.80 0.97955 0.00053
13.90 0.98185 0.00050	12.60 0.96096 0.00054	13.00 0.98677 0.00056
14.10 0.98650 0.00050	12.70 0.96459 0.00051	13.20 0.99191 0.00055
14.30 0.99177 0.00051	12.80 0.96743 0.00052	13.40 0.99805 0.00054
14.50 0.99562 0.00050	12.90 0.97086 0.00053	13.60 1.00398 0.00053
14.70 1.00036 0.00050	13.00 0.97404 0.00052	13.80 1.00897 0.00055
14.90 1.00507 0.00052	13.10 0.97742 0.00050	14.00 1.01336 0.00053
15.10 1.00884 0.00050	13.20 0.97949 0.00052	14.10 1.01623 0.00051
15.30 1.01391 0.00048	13.30 0.98323 0.00053	
15.50 1.01845 0.00050	13.40 0.98512 0.00052	
15.70 1.02244 0.00049	13.50 0.98748 0.00052	
15.90 1.02722 0.00050	13.60 0.99126 0.00053	
16.00 1.02828 0.00051	13.70 0.99446 0.00051	
	13.80 0.99590 0.00053	
	13.90 0.99880 0.00053	
	14.00 1.00137 0.00052	
	14.10 1.00373 0.00053	
	14.20 1.00591 0.00052	
	14.30 1.00899 0.00051	
2000	2100	2500
11.00 0.92339 0.00054	10.90 0.92322 0.00054	10.70 0.92441 0.00055
11.10 0.92696 0.00055	11.00 0.92675 0.00051	10.80 0.92879 0.00053
11.20 0.93176 0.00055	11.10 0.93075 0.00054	10.90 0.93207 0.00057
11.30 0.93539 0.00056	11.20 0.93522 0.00052	11.00 0.93552 0.00056
11.40 0.93913 0.00054	11.30 0.93969 0.00056	11.10 0.93929 0.00056
11.50 0.94240 0.00053	11.40 0.94239 0.00053	11.20 0.94265 0.00055
11.60 0.94576 0.00053	11.50 0.94531 0.00055	11.30 0.94620 0.00055
11.70 0.94900 0.00055	11.60 0.94883 0.00055	11.40 0.94968 0.00055
11.80 0.95299 0.00053	11.70 0.95272 0.00052	11.50 0.95385 0.00056
11.90 0.95660 0.00054	11.80 0.95678 0.00054	11.60 0.95769 0.00055
12.00 0.95970 0.00053	11.90 0.96064 0.00055	11.70 0.95999 0.00057
12.10 0.96301 0.00054	12.00 0.96335 0.00053	11.80 0.96452 0.00057
12.20 0.96638 0.00053	12.10 0.96619 0.00054	11.90 0.96727 0.00055
12.30 0.96905 0.00056	12.20 0.97037 0.00054	12.00 0.97103 0.00057
12.40 0.97150 0.00052	12.30 0.97278 0.00055	12.10 0.97456 0.00054
12.50 0.97586 0.00055	12.40 0.97582 0.00055	12.20 0.97889 0.00055
12.60 0.97857 0.00055	12.50 0.98023 0.00051	12.30 0.98048 0.00056
12.70 0.98154 0.00054	12.60 0.98259 0.00054	12.40 0.98467 0.00058
12.80 0.98412 0.00055	12.70 0.98615 0.00053	12.50 0.98716 0.00054
12.90 0.98841 0.00055	12.80 0.98842 0.00055	12.60 0.99097 0.00052
13.00 0.99054 0.00055	12.90 0.99201 0.00054	12.70 0.99372 0.00056
13.10 0.99398 0.00055	13.00 0.99416 0.00052	12.80 0.99617 0.00057
13.20 0.99619 0.00053	13.10 0.99649 0.00055	12.90 0.99867 0.00055
13.30 1.00013 0.00055	13.20 1.00128 0.00055	13.00 1.00250 0.00055
13.40 1.00379 0.00054	13.30 1.00266 0.00052	13.10 1.00491 0.00055
13.50 1.00474 0.00053	13.40 1.00548 0.00056	13.20 1.00845 0.00055
13.60 1.00785 0.00055	13.50 1.00796 0.00054	13.30 1.01136 0.00055
13.70 1.01057 0.00051	13.60 1.01146 0.00054	13.40 1.01433 0.00055
13.80 1.01269 0.00053	13.70 1.01497 0.00054	
13.90 1.01532 0.00053	13.80 1.01655 0.00056	
14.00 1.01922 0.00054	13.90 1.01874 0.00054	
	14.00 1.02214 0.00053	

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3000	4000	5000
10.70 0.92273 0.00056	11.00 0.91475 0.00056	12.00 0.91082 0.00056
10.90 0.93172 0.00055	11.20 0.92185 0.00055	12.20 0.91599 0.00057
11.10 0.93844 0.00055	11.40 0.92818 0.00054	12.40 0.92215 0.00060
11.30 0.94656 0.00056	11.60 0.93531 0.00058	12.60 0.92676 0.00057
11.50 0.95444 0.00055	11.80 0.94262 0.00057	12.80 0.93192 0.00056
11.70 0.96100 0.00055	12.00 0.94904 0.00057	13.00 0.93820 0.00056
11.90 0.96707 0.00055	12.20 0.95504 0.00056	13.20 0.94455 0.00056
12.10 0.97471 0.00055	12.40 0.96191 0.00056	13.40 0.94873 0.00055
12.30 0.98105 0.00055	12.60 0.96718 0.00055	13.60 0.95441 0.00056
12.50 0.98662 0.00055	12.80 0.97271 0.00058	13.80 0.96036 0.00056
12.70 0.99328 0.00053	13.00 0.97793 0.00056	14.00 0.96379 0.00058
12.90 0.99982 0.00059	13.20 0.98488 0.00056	14.20 0.96947 0.00055
13.10 1.00466 0.00054	13.40 0.98982 0.00056	14.40 0.97278 0.00057
13.30 1.00985 0.00057	13.60 0.99444 0.00056	14.60 0.97759 0.00055
13.50 1.01521 0.00056	13.80 1.00095 0.00058	14.80 0.98403 0.00056
13.70 1.02228 0.00055	14.00 1.00483 0.00059	15.00 0.98744 0.00057
13.90 1.02593 0.00056	14.20 1.00931 0.00055	15.20 0.99248 0.00055
14.00 1.02973 0.00055	14.40 1.01500 0.00059	15.40 0.99570 0.00057
	14.60 1.01977 0.00059	15.60 1.00113 0.00056
	14.80 1.02356 0.00057	15.80 1.00364 0.00056
	15.00 1.02919 0.00058	16.00 1.00785 0.00056
	15.20 1.03427 0.00056	16.20 1.01175 0.00056
		16.40 1.01452 0.00057
		16.60 1.01846 0.00057
		16.80 1.02325 0.00056
		17.00 1.02605 0.00057

6000	7000	7500
14.00 0.91205 0.00055	19.50 0.93948 0.00054	23.00 0.93834 0.00049
14.25 0.91736 0.00056	19.75 0.94265 0.00054	23.50 0.94380 0.00050
14.50 0.92357 0.00054	20.00 0.94706 0.00054	24.00 0.94632 0.00052
14.75 0.92840 0.00055	20.25 0.95023 0.00050	24.50 0.95238 0.00050
15.00 0.93376 0.00053	20.50 0.95196 0.00050	25.00 0.95475 0.00049
15.25 0.93861 0.00052	20.75 0.95561 0.00053	25.50 0.95795 0.00054
15.50 0.94330 0.00055	21.00 0.95879 0.00054	26.00 0.96166 0.00050
15.75 0.94891 0.00055	21.25 0.96050 0.00052	26.50 0.96515 0.00051
16.00 0.95329 0.00056	21.50 0.96352 0.00053	27.00 0.96873 0.00050
16.25 0.95721 0.00057	21.75 0.96534 0.00052	27.50 0.97204 0.00049
16.50 0.96293 0.00056	22.00 0.96877 0.00054	28.00 0.97477 0.00052
16.75 0.96652 0.00056	22.25 0.96950 0.00053	28.50 0.97714 0.00053
17.00 0.97030 0.00055	22.50 0.97156 0.00053	29.00 0.98022 0.00050
17.25 0.97498 0.00056	22.75 0.97548 0.00051	29.50 0.98274 0.00050
17.50 0.97879 0.00054	23.00 0.97733 0.00052	30.00 0.98572 0.00050
17.75 0.98286 0.00057	23.25 0.97950 0.00053	30.50 0.98727 0.00050
18.00 0.98642 0.00052	23.50 0.98239 0.00049	31.00 0.99045 0.00050
18.25 0.98955 0.00055	23.75 0.98357 0.00052	31.50 0.99235 0.00050
18.50 0.99324 0.00055	24.00 0.98560 0.00049	32.00 0.99421 0.00049
18.75 0.99706 0.00055	24.25 0.98761 0.00055	32.50 0.99601 0.00049
19.00 1.00133 0.00055	24.50 0.99007 0.00052	33.00 0.99897 0.00050
19.25 1.00372 0.00055	24.75 0.99177 0.00053	33.50 1.00119 0.00050
19.50 1.00629 0.00054	25.00 0.99453 0.00054	34.00 1.00268 0.00049
19.75 1.01070 0.00055	25.25 0.99546 0.00052	
20.00 1.01377 0.00056	25.50 0.99902 0.00053	
	25.75 0.99957 0.00052	
	26.00 1.00036 0.00053	

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8000	9000	10000
27.00 0.92521 0.00051	999.98 0.94077 0.00041	999.98 0.82372 0.00035
28.00 0.93096 0.00048	999.99 0.94077 0.00041	999.99 0.82372 0.00035
29.00 0.93772 0.00049		
30.00 0.94210 0.00048		
31.00 0.94657 0.00051		
32.00 0.95077 0.00050		
33.00 0.95523 0.00050		
34.00 0.95966 0.00049		
35.00 0.96198 0.00049		
36.00 0.96527 0.00050		
37.00 0.96839 0.00049		
38.00 0.97265 0.00047		
39.00 0.97490 0.00047		
40.00 0.97799 0.00048		
41.00 0.98031 0.00048		
42.00 0.98182 0.00048		
43.00 0.98403 0.00050		
44.00 0.98623 0.00049		
45.00 0.98850 0.00047		
46.00 0.99080 0.00048		
47.00 0.99263 0.00048		
48.00 0.99497 0.00050		
49.00 0.99585 0.00049		
50.00 0.99741 0.00046		
51.00 0.99805 0.00049		
52.00 0.99906 0.00049		
53.00 1.00152 0.00049		
54.00 1.00379 0.00049		
55.00 1.00391 0.00048		
56.00 1.00568 0.00046		
57.00 1.00626 0.00048		
58.00 1.00801 0.00048		
59.00 1.00860 0.00046		
60.00 1.00921 0.00047		

## sumtable.u5o2-icyl-0040-00

20	25	30
999.98 0.10591 0.00003	999.98 0.13036 0.00003	999.98 0.15412 0.00004
999.99 0.10591 0.00003	999.99 0.13036 0.00003	999.99 0.15412 0.00004
40	45	50
999.98 0.19956 0.00005	999.98 0.22125 0.00006	999.98 0.24235 0.00006
999.99 0.19956 0.00005	999.99 0.22125 0.00006	999.99 0.24235 0.00006
55	60	65
999.98 0.26299 0.00007	999.98 0.28300 0.00007	999.98 0.30244 0.00008
999.99 0.26299 0.00007	999.99 0.28300 0.00007	999.99 0.30244 0.00008
70	80	100
999.98 0.32142 0.00008	999.98 0.35805 0.00009	999.98 0.42576 0.00010
999.99 0.32142 0.00008	999.99 0.35805 0.00009	999.99 0.42576 0.00010
130	150	170
999.98 0.51556 0.00012	999.98 0.56924 0.00013	999.98 0.61843 0.00014
999.99 0.51556 0.00012	999.99 0.56924 0.00013	999.99 0.61843 0.00014

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200			350			400		
999.98	0.68421	0.00016	999.98	0.92315	0.00020	999.98	0.97962	0.00021
999.99	0.68421	0.00016	999.99	0.92315	0.00020	999.99	0.97962	0.00021
500			650			800		
24.00	0.92224	0.00040	19.00	0.93699	0.00042	16.00	0.92555	0.00051
24.75	0.92976	0.00038	19.20	0.94079	0.00043	16.20	0.93011	0.00054
25.50	0.93648	0.00037	19.40	0.94465	0.00043	16.40	0.93616	0.00047
26.25	0.94220	0.00038	19.60	0.94853	0.00043	16.60	0.94053	0.00051
27.00	0.94903	0.00037	19.80	0.95148	0.00043	16.80	0.94585	0.00049
27.75	0.95427	0.00036	20.00	0.95627	0.00043	17.00	0.95023	0.00050
28.50	0.95951	0.00038	20.20	0.95787	0.00044	17.20	0.95491	0.00049
29.25	0.96366	0.00035	20.40	0.96228	0.00043	17.40	0.95994	0.00049
30.00	0.96853	0.00035	20.60	0.96502	0.00042	17.60	0.96559	0.00050
30.75	0.97361	0.00037	20.80	0.96771	0.00042	17.80	0.96895	0.00049
31.50	0.97659	0.00035	21.00	0.97038	0.00043	18.00	0.97398	0.00049
32.25	0.97967	0.00033	21.20	0.97355	0.00041	18.20	0.97803	0.00050
33.00	0.98464	0.00034	21.40	0.97646	0.00042	18.40	0.98184	0.00049
33.75	0.98775	0.00034	21.60	0.97958	0.00042	18.60	0.98540	0.00047
34.50	0.99090	0.00034	21.80	0.98226	0.00042	18.80	0.99021	0.00050
35.25	0.99351	0.00034	22.00	0.98438	0.00042	19.00	0.99484	0.00048
36.00	0.99635	0.00033	22.20	0.98627	0.00042	19.20	0.99845	0.00049
36.75	0.99836	0.00033	22.40	0.98851	0.00042	19.40	1.00152	0.00048
37.50	1.00088	0.00033	22.60	0.99208	0.00042	19.60	1.00566	0.00049
38.25	1.00459	0.00032	22.80	0.99404	0.00041	19.80	1.00972	0.00047
39.00	1.00635	0.00033	23.00	0.99796	0.00041	20.00	1.01253	0.00049
39.75	1.00813	0.00034	23.20	0.99957	0.00041	20.10	1.01520	0.00048
40.50	1.01062	0.00031	23.40	1.00212	0.00041			
41.00	1.01060	0.00033	23.60	1.00432	0.00040			
			23.80	1.00720	0.00040			
			24.00	1.00849	0.00039			
			24.20	1.01052	0.00038			
			24.40	1.01254	0.00039			
			24.60	1.01562	0.00041			
			24.80	1.01675	0.00042			
			25.00	1.01914	0.00040			
900			1000			1200		
15.40	0.93271	0.00050	14.00	0.90800	0.00055	14.00	0.93725	0.00054
15.50	0.93706	0.00047	14.20	0.91583	0.00052	14.10	0.94172	0.00054
15.60	0.93995	0.00053	14.40	0.92367	0.00053	14.20	0.94615	0.00055
15.70	0.94258	0.00049	14.60	0.93035	0.00055	14.30	0.94959	0.00056
15.80	0.94633	0.00049	14.80	0.93772	0.00054	14.40	0.95197	0.00057
15.90	0.94881	0.00050	15.00	0.94275	0.00055	14.50	0.95736	0.00054
16.00	0.95130	0.00050	15.20	0.94876	0.00056	14.60	0.95962	0.00055
16.10	0.95506	0.00051	15.40	0.95601	0.00054	14.70	0.96330	0.00055
16.20	0.95729	0.00051	15.60	0.96185	0.00054	14.80	0.96723	0.00054
16.30	0.96048	0.00050	15.80	0.96710	0.00055	14.90	0.97121	0.00054
16.40	0.96320	0.00048	16.00	0.97342	0.00055	15.00	0.97416	0.00055
16.50	0.96575	0.00050	16.20	0.97840	0.00057	15.10	0.97758	0.00055
16.60	0.96808	0.00050	16.40	0.98522	0.00054	15.20	0.98032	0.00053
16.70	0.97078	0.00048	16.60	0.98895	0.00053	15.30	0.98359	0.00053
16.80	0.97319	0.00049	16.80	0.99544	0.00055	15.40	0.98598	0.00055
16.90	0.97631	0.00048	17.00	1.00014	0.00054	15.50	0.99011	0.00055
17.00	0.97894	0.00049	17.20	1.00592	0.00054	15.60	0.99324	0.00052
17.10	0.98176	0.00050	17.40	1.01061	0.00051	15.70	0.99683	0.00054
17.20	0.98360	0.00048	17.60	1.01466	0.00052	15.80	0.99881	0.00052
17.30	0.98502	0.00050	17.80	1.01974	0.00053	15.90	1.00246	0.00054
17.40	0.98777	0.00048	18.00	1.02458	0.00051	16.00	1.00527	0.00055
17.50	0.99002	0.00049						

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17.60	0.99265	0.00048
17.70	0.99493	0.00049
17.80	0.99772	0.00049
17.90	0.99942	0.00049
18.00	1.00199	0.00048
18.10	1.00396	0.00048

1500	1700	1900
13.00 0.92314 0.00063	12.70 0.91867 0.00062	12.70 0.92330 0.00066
13.10 0.92693 0.00062	12.80 0.92239 0.00059	12.80 0.93084 0.00062
13.20 0.93164 0.00059	12.90 0.92876 0.00061	12.90 0.93406 0.00061
13.30 0.93596 0.00059	13.00 0.93309 0.00062	13.00 0.93754 0.00061
13.40 0.94109 0.00062	13.10 0.93808 0.00062	13.10 0.94357 0.00062
13.50 0.94338 0.00060	13.20 0.94165 0.00062	13.20 0.94740 0.00060
13.60 0.94805 0.00060	13.30 0.94622 0.00065	13.30 0.95080 0.00064
13.70 0.95313 0.00062	13.40 0.95164 0.00061	13.40 0.95618 0.00063
13.80 0.95679 0.00059	13.50 0.95506 0.00064	13.50 0.96093 0.00065
13.90 0.96111 0.00061	13.60 0.95857 0.00062	13.60 0.96463 0.00061
14.00 0.96569 0.00060	13.70 0.96327 0.00063	13.70 0.96814 0.00061
14.10 0.96873 0.00059	13.80 0.96652 0.00061	13.80 0.97306 0.00063
14.20 0.97305 0.00060	13.90 0.97082 0.00060	13.90 0.97725 0.00064
14.30 0.97705 0.00061	14.00 0.97620 0.00061	14.00 0.98069 0.00062
14.40 0.97986 0.00061	14.10 0.97951 0.00063	14.10 0.98410 0.00064
14.50 0.98410 0.00061	14.20 0.98249 0.00060	14.20 0.98980 0.00061
14.60 0.98751 0.00060	14.30 0.98684 0.00065	14.30 0.99151 0.00062
14.70 0.99178 0.00058	14.40 0.99069 0.00062	14.40 0.99656 0.00063
14.80 0.99555 0.00058	14.50 0.99440 0.00064	14.50 0.99984 0.00062
14.90 0.99721 0.00059	14.60 0.99867 0.00062	14.60 1.00403 0.00062
15.00 1.00116 0.00062	14.70 1.00204 0.00060	14.70 1.00870 0.00062
15.10 1.00688 0.00063	14.80 1.00535 0.00062	14.80 1.01158 0.00061
15.20 1.00997 0.00061	14.90 1.01016 0.00059	14.90 1.01523 0.00060
15.30 1.01262 0.00060	15.00 1.01259 0.00060	15.00 1.01946 0.00062
15.40 1.01452 0.00057		
15.50 1.01906 0.00060		
15.60 1.02287 0.00060		
15.70 1.02494 0.00059		
15.80 1.02737 0.00059		
15.90 1.03201 0.00058		
16.00 1.03431 0.00058		

2000	2100	2500
12.70 0.92583 0.00062	12.60 0.92002 0.00063	12.70 0.92332 0.00065
12.80 0.92915 0.00064	12.80 0.93228 0.00066	12.80 0.92896 0.00062
12.90 0.93554 0.00065	13.00 0.94045 0.00062	12.90 0.93379 0.00062
13.00 0.93822 0.00063	13.20 0.94878 0.00063	13.00 0.93733 0.00064
13.10 0.94426 0.00064	13.40 0.95866 0.00065	13.10 0.94158 0.00064
13.20 0.94762 0.00063	13.60 0.96806 0.00063	13.20 0.94780 0.00067
13.30 0.95413 0.00062	13.80 0.97560 0.00063	13.30 0.95215 0.00065
13.40 0.95765 0.00060	14.00 0.98403 0.00061	13.40 0.95616 0.00066
13.50 0.96164 0.00062	14.20 0.99101 0.00065	13.50 0.95972 0.00065
13.60 0.96671 0.00065	14.40 0.99931 0.00063	13.60 0.96477 0.00064
13.70 0.96986 0.00063	14.60 1.00649 0.00064	13.70 0.96876 0.00065
13.80 0.97403 0.00063	14.80 1.01379 0.00060	13.80 0.97442 0.00063

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13.90	0.97916	0.00065	15.00	1.02061	0.00064	13.90	0.97680	0.00062
14.00	0.98145	0.00063	15.20	1.02917	0.00065	14.00	0.98142	0.00064
14.10	0.98553	0.00064	15.40	1.03500	0.00064	14.10	0.98538	0.00064
14.20	0.99126	0.00066	15.60	1.04061	0.00063	14.20	0.98883	0.00062
14.30	0.99560	0.00061	15.80	1.04862	0.00064	14.30	0.99365	0.00067
14.40	0.99863	0.00064	16.00	1.05461	0.00061	14.40	0.99714	0.00066
14.50	1.00148	0.00062				14.50	1.00212	0.00062
14.60	1.00595	0.00060				14.60	1.00437	0.00062
14.70	1.00981	0.00062				14.70	1.00845	0.00062
14.80	1.01334	0.00062				14.80	1.01156	0.00064
14.90	1.01730	0.00063				14.90	1.01682	0.00065
15.00	1.02151	0.00062				15.00	1.02023	0.00064
15.10	1.02382	0.00062						
15.20	1.02853	0.00061						
15.30	1.03057	0.00063						

3000	4000	5000						
13.30	0.93956	0.00065	14.00	0.92776	0.00068	15.80	0.93743	0.00064
13.40	0.94328	0.00066	14.10	0.93171	0.00064	15.90	0.94027	0.00062
13.50	0.94859	0.00064	14.20	0.93681	0.00066	16.00	0.94416	0.00063
13.60	0.95211	0.00062	14.30	0.93948	0.00062	16.10	0.94744	0.00065
13.70	0.95715	0.00065	14.40	0.94340	0.00062	16.20	0.95174	0.00064
13.80	0.96086	0.00068	14.50	0.94755	0.00065	16.30	0.95246	0.00061
13.90	0.96646	0.00064	14.60	0.95121	0.00065	16.40	0.95673	0.00061
14.00	0.96945	0.00063	14.70	0.95569	0.00062	16.50	0.95984	0.00061
14.10	0.97354	0.00066	14.80	0.95779	0.00066	16.60	0.96229	0.00062
14.20	0.97795	0.00067	14.90	0.96291	0.00063	16.70	0.96583	0.00064
14.30	0.98142	0.00065	15.00	0.96590	0.00060	16.80	0.96844	0.00063
14.40	0.98622	0.00066	15.10	0.97012	0.00064	16.90	0.97077	0.00063
14.50	0.98979	0.00065	15.20	0.97392	0.00062	17.00	0.97436	0.00064
14.60	0.99381	0.00062	15.30	0.97807	0.00065	17.10	0.97782	0.00061
14.70	0.99716	0.00064	15.40	0.98114	0.00064	17.20	0.98050	0.00061
14.80	1.00093	0.00063	15.50	0.98407	0.00064	17.30	0.98329	0.00064
14.90	1.00422	0.00065	15.60	0.98774	0.00064	17.40	0.98639	0.00061
15.00	1.00750	0.00064	15.70	0.99020	0.00066	17.50	0.98857	0.00062
			15.80	0.99362	0.00063	17.60	0.99159	0.00064
			15.90	0.99807	0.00064	17.70	0.99237	0.00063
			16.00	0.99979	0.00067	17.80	0.99575	0.00062
			16.10	1.00521	0.00066	17.90	0.99961	0.00063
			16.20	1.00585	0.00067	18.00	1.00081	0.00064
						18.10	1.00316	0.00061
						18.20	1.00546	0.00060

6000	7000	7500						
17.00	0.90855	0.00061	20.00	0.90464	0.00056	23.00	0.91385	0.00054
17.25	0.91443	0.00061	20.25	0.90921	0.00055	23.50	0.92229	0.00053
17.50	0.92138	0.00061	20.50	0.91359	0.00057	24.00	0.92898	0.00051
17.75	0.92767	0.00061	20.75	0.91936	0.00056	24.50	0.93636	0.00053
18.00	0.93591	0.00059	21.00	0.92161	0.00056	25.00	0.94221	0.00052
18.25	0.94157	0.00059	21.25	0.92719	0.00057	25.50	0.94827	0.00052
18.50	0.94685	0.00060	21.50	0.93215	0.00057	26.00	0.95353	0.00053
18.75	0.95396	0.00059	21.75	0.93574	0.00055	26.50	0.95979	0.00055
19.00	0.95818	0.00060	22.00	0.94015	0.00055	27.00	0.96447	0.00054

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19.25	0.96475	0.00061	22.25	0.94425	0.00056	27.50	0.97056	0.00053
19.50	0.96890	0.00057	22.50	0.94860	0.00054	28.00	0.97379	0.00054
19.75	0.97571	0.00061	22.75	0.95244	0.00057	28.50	0.98042	0.00053
20.00	0.98022	0.00061	23.00	0.95621	0.00055	29.00	0.98455	0.00056
20.25	0.98522	0.00060	23.25	0.95948	0.00055	29.50	0.98924	0.00053
20.50	0.98960	0.00059	23.50	0.96410	0.00057	30.00	0.99336	0.00053
20.75	0.99478	0.00058	23.75	0.96709	0.00058	30.50	0.99607	0.00054
21.00	1.00003	0.00058	24.00	0.97042	0.00057	31.00	0.99934	0.00054
21.25	1.00457	0.00059	24.25	0.97460	0.00054	31.50	1.00411	0.00053
21.50	1.00849	0.00056	24.50	0.97689	0.00053	32.00	1.00776	0.00052
21.75	1.01249	0.00058	24.75	0.98135	0.00056	32.50	1.01091	0.00054
22.00	1.01569	0.00060	25.00	0.98418	0.00055	33.00	1.01423	0.00052
22.25	1.02051	0.00058	25.25	0.98652	0.00055	33.50	1.01729	0.00052
22.50	1.02552	0.00060	25.50	0.98958	0.00057	34.00	1.02102	0.00054
22.75	1.02874	0.00062	25.75	0.99178	0.00057	34.50	1.02306	0.00052
23.00	1.03266	0.00058	26.00	0.99573	0.00053	35.00	1.02604	0.00053
			26.25	0.99919	0.00054	35.50	1.02878	0.00051
			26.50	1.00073	0.00054	36.00	1.03038	0.00052
			26.75	1.00459	0.00053	36.50	1.03300	0.00051
			27.00	1.00714	0.00054	37.00	1.03654	0.00050
			27.25	1.01007	0.00057			
			27.50	1.01098	0.00055			
			27.75	1.01454	0.00057			
			28.00	1.01672	0.00057			

8000	9000	10000						
27.00	0.92121	0.00053	40.00	0.91010	0.00046	999.98	0.90157	0.00035
27.50	0.92595	0.00052	60.00	0.95752	0.00044	999.99	0.90157	0.00035
28.00	0.93155	0.00052	80.00	0.97703	0.00043			
28.50	0.93563	0.00052	100.00	0.98457	0.00043			
29.00	0.93991	0.00051	120.00	0.98960	0.00042			
29.50	0.94390	0.00051	140.00	0.99167	0.00041			
30.00	0.94849	0.00049	160.00	0.99452	0.00042			
30.50	0.95132	0.00050	180.00	0.99556	0.00042			
31.00	0.95621	0.00051	200.00	0.99543	0.00043			
31.50	0.95893	0.00049	220.00	0.99791	0.00040			
32.00	0.96279	0.00050	240.00	0.99833	0.00042			
32.50	0.96682	0.00052	260.00	0.99924	0.00044			
33.00	0.96943	0.00053	280.00	0.99858	0.00040			
33.50	0.97372	0.00050	300.00	0.99917	0.00042			
34.00	0.97646	0.00051	320.00	0.99949	0.00041			
34.50	0.97895	0.00050	340.00	0.99965	0.00041			
35.00	0.98134	0.00049	360.00	0.99975	0.00043			
35.50	0.98402	0.00050	380.00	1.00050	0.00040			
36.00	0.98664	0.00051	400.00	1.00049	0.00040			
36.50	0.99028	0.00050						
37.00	0.99258	0.00050						
37.50	0.99432	0.00050						
38.00	0.99699	0.00050						
38.50	0.99915	0.00050						
39.00	1.00189	0.00049						
39.50	1.00340	0.00048						
40.00	1.00412	0.00049						
40.50	1.00796	0.00049						
41.00	1.00903	0.00050						
41.50	1.01054	0.00051						
42.00	1.01197	0.00047						

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sumtable.u5o2-icyl-0040-01							
		20		25		30	
999.98	0.10591	0.00003	999.98	0.13036	0.00003	999.98	0.15412 0.00004
999.99	0.10591	0.00003	999.99	0.13036	0.00003	999.99	0.15412 0.00004
		40		45		50	
999.98	0.19956	0.00005	999.98	0.22125	0.00006	999.98	0.24235 0.00006
999.99	0.19956	0.00005	999.99	0.22125	0.00006	999.99	0.24235 0.00006
		55		60		65	
999.98	0.26299	0.00007	999.98	0.28300	0.00007	999.98	0.30244 0.00008
999.99	0.26299	0.00007	999.99	0.28300	0.00007	999.99	0.30244 0.00008
		70		80		100	
999.98	0.32142	0.00008	999.98	0.35805	0.00009	999.98	0.42576 0.00010
999.99	0.32142	0.00008	999.99	0.35805	0.00009	999.99	0.42576 0.00010
		130		150		170	
999.98	0.51556	0.00012	999.98	0.56924	0.00013	999.98	0.61843 0.00014
999.99	0.51556	0.00012	999.99	0.56924	0.00013	999.99	0.61843 0.00014
		200		350		400	
999.98	0.68421	0.00016	999.98	0.92315	0.00020	999.98	0.97962 0.00021
999.99	0.68421	0.00016	999.99	0.92315	0.00020	999.99	0.97962 0.00021
		500		650		800	
24.00	0.93768	0.00035	17.40	0.93670	0.00042	14.80	0.93573 0.00050
24.50	0.94139	0.00035	17.60	0.94131	0.00042	14.90	0.93759 0.00050
25.00	0.94515	0.00038	17.80	0.94402	0.00040	15.00	0.94059 0.00048
25.50	0.94859	0.00037	18.00	0.94789	0.00041	15.10	0.94309 0.00049
26.00	0.95290	0.00035	18.20	0.95152	0.00041	15.20	0.94558 0.00048
26.50	0.95651	0.00036	18.40	0.95430	0.00042	15.30	0.94867 0.00047
27.00	0.96058	0.00036	18.60	0.95822	0.00043	15.40	0.95135 0.00050
27.50	0.96231	0.00036	18.80	0.96125	0.00041	15.50	0.95271 0.00050
28.00	0.96563	0.00036	19.00	0.96537	0.00042	15.60	0.95483 0.00051
28.50	0.96983	0.00035	19.20	0.96734	0.00040	15.70	0.95815 0.00049
29.00	0.97218	0.00035	19.40	0.97091	0.00041	15.80	0.96068 0.00048
29.50	0.97533	0.00033	19.60	0.97360	0.00042	15.90	0.96171 0.00048
30.00	0.97767	0.00035	19.80	0.97664	0.00042	16.00	0.96478 0.00050
30.50	0.97952	0.00035	20.00	0.97948	0.00040	16.10	0.96681 0.00049
31.00	0.98176	0.00035	20.20	0.98189	0.00042	16.20	0.96964 0.00047
31.50	0.98490	0.00035	20.40	0.98449	0.00039	16.30	0.97089 0.00048
32.00	0.98685	0.00034	20.60	0.98727	0.00040	16.40	0.97352 0.00049
32.50	0.98915	0.00034	20.80	0.98996	0.00041	16.50	0.97674 0.00048
33.00	0.99102	0.00033	21.00	0.99218	0.00040	16.60	0.97697 0.00048
33.50	0.99348	0.00034	21.20	0.99450	0.00039	16.70	0.97947 0.00049
34.00	0.99532	0.00034	21.40	0.99732	0.00040	16.80	0.98197 0.00048
34.50	0.99669	0.00033	21.60	0.99884	0.00039	16.90	0.98310 0.00048
35.00	0.99845	0.00033	21.80	1.00235	0.00039	17.00	0.98554 0.00050
35.50	1.00032	0.00033	22.00	1.00422	0.00040	17.10	0.98807 0.00048
36.00	1.00107	0.00031				17.20	0.98935 0.00047
36.50	1.00353	0.00033				17.30	0.99258 0.00047
						17.40	0.99401 0.00047
						17.50	0.99588 0.00046
						17.60	0.99768 0.00047
						17.70	0.99981 0.00046
						17.80	1.00120 0.00046
						17.90	1.00365 0.00049
						18.00	1.00529 0.00048

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900	1000	1200
13.90 0.93689 0.00048	12.90 0.92579 0.00053	12.00 0.92171 0.00053
14.00 0.94023 0.00048	13.00 0.92946 0.00053	12.10 0.92686 0.00054
14.10 0.94257 0.00049	13.10 0.93217 0.00052	12.20 0.92983 0.00052
14.20 0.94633 0.00049	13.20 0.93630 0.00052	12.30 0.93459 0.00053
14.30 0.94840 0.00050	13.30 0.93893 0.00051	12.40 0.93842 0.00055
14.40 0.95194 0.00050	13.40 0.94332 0.00054	12.50 0.94156 0.00053
14.50 0.95378 0.00050	13.50 0.94628 0.00054	12.60 0.94703 0.00053
14.60 0.95696 0.00048	13.60 0.94880 0.00052	12.70 0.94995 0.00053
14.70 0.96090 0.00048	13.70 0.95197 0.00053	12.80 0.95368 0.00052
14.80 0.96322 0.00049	13.80 0.95475 0.00049	12.90 0.95716 0.00053
14.90 0.96550 0.00049	13.90 0.95881 0.00052	13.00 0.96071 0.00052
15.00 0.96829 0.00048	14.00 0.96024 0.00054	13.10 0.96413 0.00052
15.10 0.97101 0.00047	14.10 0.96482 0.00054	13.20 0.96790 0.00052
15.20 0.97229 0.00049	14.20 0.96707 0.00054	13.30 0.97114 0.00052
15.30 0.97599 0.00046	14.30 0.97011 0.00052	13.40 0.97465 0.00053
15.40 0.97763 0.00048	14.40 0.97342 0.00054	13.50 0.97823 0.00054
15.50 0.98061 0.00049	14.50 0.97563 0.00056	13.60 0.98018 0.00052
15.60 0.98320 0.00048	14.60 0.97897 0.00054	13.70 0.98414 0.00055
15.70 0.98544 0.00049	14.70 0.98179 0.00054	13.80 0.98731 0.00053
15.80 0.98840 0.00046	14.80 0.98448 0.00055	13.90 0.99020 0.00052
15.90 0.98996 0.00048	14.90 0.98843 0.00051	14.00 0.99356 0.00052
16.00 0.99274 0.00046	15.00 0.98995 0.00054	14.10 0.99577 0.00054
16.10 0.99506 0.00049	15.10 0.99247 0.00054	14.20 1.00049 0.00054
16.20 0.99756 0.00046	15.20 0.99539 0.00054	14.30 1.00346 0.00053
16.30 0.99930 0.00048	15.30 0.99735 0.00052	14.40 1.00634 0.00053
16.40 1.00210 0.00048	15.40 1.00035 0.00054	14.50 1.00829 0.00053
16.50 1.00397 0.00049	15.50 1.00311 0.00054	14.60 1.01213 0.00053
16.60 1.00663 0.00046	15.60 1.00508 0.00054	14.70 1.01402 0.00054
16.70 1.00878 0.00046	15.70 1.00770 0.00052	14.80 1.01853 0.00053
16.80 1.00968 0.00049	15.80 1.01098 0.00054	14.90 1.01968 0.00052
16.90 1.01315 0.00045	15.90 1.01351 0.00051	15.00 1.02273 0.00053
17.00 1.01535 0.00046	16.00 1.01554 0.00052	

1500	1700	1900
11.70 0.93770 0.00056	11.00 0.91618 0.00064	11.00 0.92234 0.00062
11.80 0.94205 0.00060	11.10 0.92093 0.00059	11.10 0.92677 0.00059
11.90 0.94617 0.00060	11.20 0.92631 0.00061	11.20 0.93232 0.00060
12.00 0.95016 0.00058	11.30 0.93049 0.00061	11.30 0.93540 0.00060
12.10 0.95458 0.00057	11.40 0.93628 0.00062	11.40 0.94183 0.00062
12.20 0.95771 0.00059	11.50 0.93863 0.00058	11.50 0.94597 0.00061
12.30 0.96130 0.00059	11.60 0.94405 0.00061	11.60 0.95029 0.00060
12.40 0.96619 0.00056	11.70 0.94798 0.00060	11.70 0.95459 0.00060
12.50 0.97046 0.00055	11.80 0.95309 0.00063	11.80 0.95947 0.00062
12.60 0.97412 0.00058	11.90 0.95710 0.00061	11.90 0.96233 0.00062
12.70 0.97828 0.00058	12.00 0.96016 0.00061	12.00 0.96736 0.00062
12.80 0.98284 0.00060	12.10 0.96479 0.00061	12.10 0.97125 0.00063
12.90 0.98644 0.00058	12.20 0.96829 0.00062	12.20 0.97529 0.00059
13.00 0.98839 0.00058	12.30 0.97326 0.00060	12.30 0.97999 0.00062
13.10 0.99298 0.00058	12.40 0.97727 0.00059	12.40 0.98423 0.00059
13.20 0.99615 0.00057	12.50 0.98036 0.00061	12.50 0.98768 0.00062
13.30 1.00018 0.00060	12.60 0.98521 0.00059	12.60 0.99153 0.00059
13.40 1.00270 0.00059	12.70 0.98922 0.00061	12.70 0.99581 0.00059
13.50 1.00557 0.00058	12.80 0.99334 0.00061	12.80 0.99910 0.00062
	12.90 0.99589 0.00056	12.90 1.00269 0.00062
	13.00 1.00132 0.00058	13.00 1.00714 0.00060
	13.10 1.00375 0.00061	

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2000	2100	2500
11.00 0.92435 0.00060	11.00 0.92562 0.00062	11.00 0.92364 0.00063
11.10 0.92886 0.00063	11.10 0.93059 0.00060	11.10 0.92934 0.00060
11.20 0.93299 0.00061	11.20 0.93343 0.00063	11.20 0.93388 0.00062
11.30 0.93884 0.00061	11.30 0.94008 0.00061	11.30 0.93798 0.00064
11.40 0.94406 0.00059	11.40 0.94558 0.00063	11.40 0.94373 0.00063
11.50 0.94702 0.00062	11.50 0.94848 0.00062	11.50 0.94670 0.00063
11.60 0.95218 0.00061	11.60 0.95298 0.00062	11.60 0.95207 0.00064
11.70 0.95614 0.00062	11.70 0.95852 0.00063	11.70 0.95619 0.00063
11.80 0.96043 0.00064	11.80 0.96126 0.00062	11.80 0.96097 0.00065
11.90 0.96480 0.00060	11.90 0.96621 0.00062	11.90 0.96429 0.00062
12.00 0.96869 0.00061	12.00 0.96970 0.00063	12.00 0.96867 0.00064
12.10 0.97293 0.00059	12.10 0.97429 0.00061	12.10 0.97334 0.00063
12.20 0.97822 0.00061	12.20 0.97967 0.00060	12.20 0.97691 0.00061
12.30 0.98155 0.00060	12.30 0.98247 0.00061	12.30 0.98113 0.00062
12.40 0.98458 0.00060	12.40 0.98617 0.00061	12.40 0.98637 0.00062
12.50 0.98902 0.00061	12.50 0.98966 0.00064	12.50 0.99008 0.00063
12.60 0.99412 0.00061	12.60 0.99438 0.00060	12.60 0.99298 0.00059
12.70 0.99767 0.00060	12.70 0.99978 0.00063	12.70 0.99919 0.00061
12.80 1.00118 0.00060	12.80 1.00277 0.00063	12.80 1.00161 0.00061
12.90 1.00517 0.00059	12.90 1.00597 0.00061	12.90 1.00476 0.00062
13.00 1.00856 0.00063	13.00 1.01061 0.00059	13.00 1.00943 0.00063
13.10 1.01273 0.00060	13.10 1.01330 0.00064	13.10 1.01249 0.00061
13.20 1.01693 0.00059	13.20 1.01647 0.00061	13.20 1.01632 0.00065
13.30 1.01873 0.00063		
13.40 1.02338 0.00062		
13.50 1.02578 0.00059		
13.60 1.02929 0.00059		
13.70 1.03420 0.00061		
13.80 1.03725 0.00059		
13.90 1.03977 0.00059		
14.00 1.04312 0.00059		

3000	4000	5000
11.00 0.91339 0.00062	12.00 0.92138 0.00063	13.00 0.90760 0.00060
11.10 0.91878 0.00064	12.10 0.92502 0.00061	13.20 0.91480 0.00061
11.20 0.92307 0.00063	12.20 0.92805 0.00063	13.40 0.92092 0.00061
11.30 0.92733 0.00064	12.30 0.93195 0.00064	13.60 0.92759 0.00061
11.40 0.93221 0.00062	12.40 0.93610 0.00065	13.80 0.93587 0.00060
11.50 0.93842 0.00064	12.50 0.94133 0.00065	14.00 0.94106 0.00062
11.60 0.94148 0.00062	12.60 0.94551 0.00062	14.20 0.94694 0.00064
11.70 0.94600 0.00065	12.70 0.94792 0.00062	14.40 0.95303 0.00063
11.80 0.95033 0.00064	12.80 0.95205 0.00063	14.60 0.95921 0.00060
11.90 0.95364 0.00064	12.90 0.95609 0.00066	14.80 0.96608 0.00061
12.00 0.95836 0.00060	13.00 0.96032 0.00063	15.00 0.97216 0.00061
12.10 0.96364 0.00063	13.10 0.96394 0.00061	15.20 0.97708 0.00062
12.20 0.96685 0.00063	13.20 0.96670 0.00063	15.40 0.98355 0.00062
12.30 0.97137 0.00062	13.30 0.97147 0.00061	15.60 0.98802 0.00059
12.40 0.97555 0.00065	13.40 0.97422 0.00066	15.80 0.99465 0.00061
12.50 0.98078 0.00062	13.50 0.97816 0.00064	16.00 0.99909 0.00061
12.60 0.98351 0.00064	13.60 0.98106 0.00061	16.20 1.00328 0.00062
12.70 0.98693 0.00063	13.70 0.98552 0.00064	16.40 1.00880 0.00061
12.80 0.99098 0.00062	13.80 0.98742 0.00061	16.60 1.01291 0.00061
12.90 0.99409 0.00064	13.90 0.99230 0.00063	16.80 1.01865 0.00061
13.00 0.99898 0.00062	14.00 0.99416 0.00061	17.00 1.02374 0.00059
13.10 1.00128 0.00062	14.10 0.99699 0.00063	
13.20 1.00656 0.00063	14.20 1.00063 0.00062	
13.30 1.01006 0.00064		
13.40 1.01347 0.00063		
13.50 1.01595 0.00062		

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6000	7000	7500
15.00 0.90887 0.00060	18.00 0.90639 0.00056	20.00 0.90198 0.00052
15.20 0.91460 0.00060	18.25 0.91222 0.00057	20.50 0.90904 0.00053
15.40 0.91901 0.00059	18.50 0.91659 0.00055	21.00 0.91789 0.00054
15.60 0.92463 0.00060	18.75 0.92063 0.00059	21.50 0.92501 0.00053
15.80 0.92947 0.00059	19.00 0.92606 0.00057	22.00 0.93166 0.00056
16.00 0.93493 0.00059	19.25 0.93039 0.00056	22.50 0.93791 0.00057
16.20 0.93949 0.00058	19.50 0.93434 0.00059	23.00 0.94462 0.00054
16.40 0.94363 0.00060	19.75 0.93786 0.00056	23.50 0.95080 0.00053
16.60 0.94967 0.00059	20.00 0.94224 0.00056	24.00 0.95647 0.00056
16.80 0.95511 0.00060	20.25 0.94693 0.00059	24.50 0.96108 0.00055
17.00 0.95816 0.00060	20.50 0.95068 0.00054	25.00 0.96739 0.00053
17.20 0.96378 0.00061	20.75 0.95408 0.00052	25.50 0.97223 0.00053
17.40 0.96714 0.00059	21.00 0.95765 0.00056	26.00 0.97667 0.00053
17.60 0.97176 0.00061	21.25 0.96067 0.00058	26.50 0.98130 0.00054
17.80 0.97662 0.00059	21.50 0.96570 0.00057	27.00 0.98589 0.00054
18.00 0.98091 0.00057	21.75 0.96909 0.00056	27.50 0.99084 0.00052
18.20 0.98436 0.00057	22.00 0.97315 0.00054	28.00 0.99350 0.00056
18.40 0.98749 0.00058	22.25 0.97619 0.00057	28.50 0.99734 0.00054
18.60 0.99300 0.00057	22.50 0.97844 0.00054	29.00 1.00167 0.00054
18.80 0.99506 0.00057	22.75 0.98289 0.00058	29.50 1.00526 0.00053
19.00 0.99919 0.00061	23.00 0.98520 0.00056	30.00 1.00851 0.00053
19.20 1.00284 0.00061	23.25 0.98817 0.00057	30.50 1.01132 0.00052
19.40 1.00610 0.00057	23.50 0.99011 0.00058	31.00 1.01436 0.00054
19.60 1.01089 0.00062	23.75 0.99275 0.00056	31.50 1.01866 0.00055
19.80 1.01356 0.00058	24.00 0.99726 0.00056	32.00 1.02020 0.00052
20.00 1.01646 0.00057	24.25 0.99904 0.00055	32.50 1.02368 0.00053
20.20 1.01989 0.00058	24.50 1.00258 0.00056	33.00 1.02710 0.00052
20.40 1.02393 0.00062	24.75 1.00452 0.00055	33.50 1.02867 0.00052
20.60 1.02590 0.00057	25.00 1.00683 0.00056	34.00 1.03240 0.00052
20.80 1.03013 0.00060	25.25 1.00981 0.00054	34.50 1.03392 0.00052
21.00 1.03234 0.00059	25.50 1.01279 0.00053	35.00 1.03711 0.00050
	25.75 1.01490 0.00056	
	26.00 1.01792 0.00058	
	26.25 1.02100 0.00057	
	26.50 1.02148 0.00054	
	26.75 1.02491 0.00054	
	27.00 1.02667 0.00053	
	27.25 1.02744 0.00054	
	27.50 1.03066 0.00053	
	27.75 1.03304 0.00055	
	28.00 1.03444 0.00058	

8000	9000	10000
24.00 0.91142 0.00055	40.00 0.91952 0.00046	999.98 0.90157 0.00035
24.50 0.91901 0.00052	60.00 0.96178 0.00044	999.99 0.90157 0.00035
25.00 0.92328 0.00053	80.00 0.97776 0.00042	
25.50 0.92845 0.00054	100.00 0.98543 0.00043	
26.00 0.93318 0.00053	120.00 0.98983 0.00043	
26.50 0.93729 0.00052	140.00 0.99230 0.00043	
27.00 0.94151 0.00049	160.00 0.99440 0.00040	
27.50 0.94645 0.00051	180.00 0.99566 0.00043	
28.00 0.94969 0.00053	200.00 0.99658 0.00040	
28.50 0.95391 0.00051	220.00 0.99796 0.00040	
29.00 0.95828 0.00053	240.00 0.99886 0.00042	
29.50 0.96120 0.00051	260.00 0.99931 0.00040	
30.00 0.96429 0.00054	280.00 0.99936 0.00042	
30.50 0.96866 0.00051	300.00 0.99874 0.00043	

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31.00	0.97137	0.00053	320.00	0.99945	0.00041
31.50	0.97386	0.00051	340.00	0.99958	0.00044
32.00	0.97825	0.00051	360.00	1.00027	0.00040
32.50	0.98063	0.00052	380.00	1.00070	0.00041
33.00	0.98293	0.00052	400.00	1.00077	0.00040
33.50	0.98563	0.00053			
34.00	0.98872	0.00051			
34.50	0.99096	0.00052			
35.00	0.99288	0.00051			
35.50	0.99478	0.00050			
36.00	0.99838	0.00051			
36.50	1.00049	0.00050			
37.00	1.00181	0.00050			

## sumtable.u5o2-icyl-0040-10

20			25			30		
999.98	0.10591	0.00003	999.98	0.13036	0.00003	999.98	0.15412	0.00004
999.99	0.10591	0.00003	999.99	0.13036	0.00003	999.99	0.15412	0.00004
40			45			50		
999.98	0.19956	0.00005	999.98	0.22125	0.00006	999.98	0.24235	0.00006
999.99	0.19956	0.00005	999.99	0.22125	0.00006	999.99	0.24235	0.00006
55			60			65		
999.98	0.26299	0.00007	999.98	0.28300	0.00007	999.98	0.30244	0.00008
999.99	0.26299	0.00007	999.99	0.28300	0.00007	999.99	0.30244	0.00008
70			80			100		
999.98	0.32142	0.00008	999.98	0.35805	0.00009	999.98	0.42576	0.00010
999.99	0.32142	0.00008	999.99	0.35805	0.00009	999.99	0.42576	0.00010
130			150			170		
999.98	0.51556	0.00012	999.98	0.56924	0.00013	999.98	0.61843	0.00014
999.99	0.51556	0.00012	999.99	0.56924	0.00013	999.99	0.61843	0.00014
200			350			400		
999.98	0.68421	0.00016	999.98	0.92315	0.00020	999.98	0.97962	0.00021
999.99	0.68421	0.00016	999.99	0.92315	0.00020	999.99	0.97962	0.00021
500			650			800		
23.00	0.93868	0.00037	16.00	0.93431	0.00040	13.40	0.93131	0.00045
23.50	0.94278	0.00037	16.25	0.93783	0.00040	13.60	0.93700	0.00047
24.00	0.94715	0.00035	16.50	0.94403	0.00041	13.80	0.94157	0.00044
24.50	0.95057	0.00036	16.75	0.94757	0.00041	14.00	0.94741	0.00046
25.00	0.95356	0.00035	17.00	0.95217	0.00041	14.20	0.95194	0.00046
25.50	0.95872	0.00035	17.25	0.95557	0.00039	14.40	0.95653	0.00046
26.00	0.95993	0.00034	17.50	0.95970	0.00039	14.60	0.96118	0.00048
26.50	0.96553	0.00035	17.75	0.96388	0.00040	14.80	0.96592	0.00047
27.00	0.96727	0.00034	18.00	0.96879	0.00039	15.00	0.97104	0.00047
27.50	0.97057	0.00035	18.25	0.97116	0.00040	15.20	0.97486	0.00046
28.00	0.97218	0.00033	18.50	0.97538	0.00040	15.40	0.97960	0.00046
28.50	0.97568	0.00033	18.75	0.97813	0.00041	15.60	0.98330	0.00045
29.00	0.97840	0.00034	19.00	0.98224	0.00038	15.80	0.98757	0.00045
29.50	0.98064	0.00034	19.25	0.98578	0.00041	16.00	0.99187	0.00046
30.00	0.98250	0.00035	19.50	0.98902	0.00039	16.20	0.99615	0.00047
30.50	0.98673	0.00033	19.75	0.99178	0.00039	16.40	0.99922	0.00047
31.00	0.98812	0.00031	20.00	0.99563	0.00038	16.60	1.00314	0.00045
31.50	0.99005	0.00033	20.25	0.99848	0.00038	16.80	1.00748	0.00048

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32.00	0.99137	0.00034	20.50	1.00123	0.00039
32.50	0.99403	0.00032	20.75	1.00363	0.00038
33.00	0.99451	0.00031	21.00	1.00636	0.00038
33.50	0.99673	0.00032			
34.00	0.99927	0.00031			
34.50	1.00025	0.00033			
35.00	1.00257	0.00032			

900	1000	1200
12.60 0.93556 0.00046	11.00 0.90286 0.00050	10.00 0.89366 0.00050
12.70 0.93903 0.00046	11.20 0.91058 0.00050	10.10 0.89794 0.00049
12.80 0.94241 0.00046	11.40 0.91857 0.00050	10.20 0.90327 0.00050
12.90 0.94527 0.00047	11.60 0.92589 0.00049	10.30 0.90835 0.00052
13.00 0.94782 0.00044	11.80 0.93216 0.00050	10.40 0.91311 0.00052
13.10 0.95029 0.00046	12.00 0.93874 0.00050	10.50 0.91674 0.00048
13.20 0.95335 0.00046	12.20 0.94668 0.00049	10.60 0.92093 0.00049
13.30 0.95631 0.00047	12.40 0.95347 0.00050	10.70 0.92396 0.00050
13.40 0.95825 0.00048	12.60 0.95850 0.00051	10.80 0.92768 0.00049
13.50 0.96135 0.00046	12.80 0.96504 0.00049	10.90 0.93232 0.00049
13.60 0.96500 0.00046	13.00 0.97037 0.00050	11.00 0.93651 0.00050
13.70 0.96836 0.00046	13.20 0.97640 0.00050	11.10 0.94083 0.00050
13.80 0.97019 0.00045	13.40 0.98223 0.00051	11.20 0.94425 0.00052
13.90 0.97253 0.00045	13.60 0.98783 0.00049	11.30 0.94818 0.00050
14.00 0.97500 0.00047	13.80 0.99327 0.00051	11.40 0.95154 0.00049
14.10 0.97703 0.00045	14.00 0.99852 0.00049	11.50 0.95534 0.00051
14.20 0.98026 0.00046	14.20 1.00393 0.00049	11.60 0.95822 0.00050
14.30 0.98280 0.00045	14.40 1.00748 0.00049	11.70 0.96207 0.00049
14.40 0.98634 0.00045	14.60 1.01390 0.00049	11.80 0.96645 0.00048
14.50 0.98825 0.00044	14.80 1.01837 0.00049	11.90 0.97001 0.00050
14.60 0.99028 0.00045	15.00 1.02305 0.00049	12.00 0.97292 0.00050
14.70 0.99268 0.00045		12.10 0.97650 0.00051
14.80 0.99559 0.00044		12.20 0.97952 0.00050
14.90 0.99692 0.00046		12.30 0.98319 0.00049
15.00 0.99996 0.00045		12.40 0.98618 0.00050
15.10 1.00109 0.00046		12.50 0.98883 0.00048
15.20 1.00317 0.00044		12.60 0.99191 0.00051
15.30 1.00694 0.00045		12.70 0.99616 0.00050
		12.80 0.99918 0.00046
		12.90 1.00226 0.00048
		13.00 1.00457 0.00051

1500	1700	1900
9.90 0.92139 0.00054	9.70 0.92358 0.00057	9.60 0.92720 0.00057
10.00 0.92438 0.00054	9.80 0.92786 0.00054	9.70 0.93198 0.00055
10.10 0.92966 0.00055	9.90 0.93266 0.00057	9.80 0.93701 0.00057
10.20 0.93503 0.00054	10.00 0.93715 0.00056	9.90 0.93987 0.00059
10.30 0.93815 0.00055	10.10 0.94187 0.00057	10.00 0.94629 0.00056
10.40 0.94339 0.00056	10.20 0.94824 0.00055	10.10 0.95002 0.00058
10.50 0.94737 0.00054	10.30 0.95124 0.00057	10.20 0.95470 0.00059
10.60 0.95113 0.00054	10.40 0.95609 0.00055	10.30 0.95853 0.00059
10.70 0.95460 0.00055	10.50 0.96043 0.00056	10.40 0.96388 0.00058
10.80 0.95822 0.00054	10.60 0.96341 0.00056	10.50 0.96793 0.00056
10.90 0.96330 0.00054	10.70 0.96732 0.00058	10.60 0.97226 0.00057

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11.00	0.96728	0.00053	10.80	0.97126	0.00054	10.70	0.97636	0.00060
11.10	0.97160	0.00055	10.90	0.97562	0.00055	10.80	0.97973	0.00061
11.20	0.97602	0.00054	11.00	0.97994	0.00056	10.90	0.98449	0.00060
11.30	0.97972	0.00053	11.10	0.98324	0.00055	11.00	0.98908	0.00058
11.40	0.98311	0.00056	11.20	0.98755	0.00058	11.10	0.99238	0.00057
11.50	0.98564	0.00053	11.30	0.99166	0.00053	11.20	0.99650	0.00058
11.60	0.99058	0.00054	11.40	0.99536	0.00053	11.30	0.99945	0.00054
11.70	0.99425	0.00057	11.50	0.99864	0.00056	11.40	1.00493	0.00057
11.80	0.99803	0.00054	11.60	1.00368	0.00056	11.50	1.00749	0.00058
11.90	1.00122	0.00055	11.70	1.00681	0.00057	11.60	1.01057	0.00058
12.00	1.00375	0.00054	11.80	1.00974	0.00056	11.70	1.01351	0.00057
12.10	1.00770	0.00055	11.90	1.01307	0.00057	11.80	1.01880	0.00055
12.20	1.01217	0.00054	12.00	1.01643	0.00057	11.90	1.02139	0.00056
12.30	1.01417	0.00053				12.00	1.02587	0.00057

2000	2100	2500
9.00 0.90083 0.00056	9.50 0.92743 0.00057	9.00 0.90523 0.00057
9.10 0.90379 0.00058	9.60 0.93196 0.00057	9.10 0.91032 0.00057
9.20 0.91043 0.00055	9.70 0.93733 0.00060	9.20 0.91595 0.00057
9.30 0.91613 0.00059	9.80 0.94022 0.00061	9.30 0.92049 0.00059
9.40 0.92039 0.00057	9.90 0.94545 0.00054	9.40 0.92559 0.00058
9.50 0.92494 0.00057	10.00 0.95095 0.00060	9.50 0.93079 0.00058
9.60 0.92995 0.00059	10.10 0.95485 0.00056	9.60 0.93513 0.00059
9.70 0.93429 0.00059	10.20 0.95922 0.00058	9.70 0.93998 0.00059
9.80 0.94004 0.00058	10.30 0.96413 0.00059	9.80 0.94527 0.00060
9.90 0.94409 0.00057	10.40 0.96816 0.00058	9.90 0.94984 0.00060
10.00 0.94889 0.00057	10.50 0.97149 0.00057	10.00 0.95417 0.00058
10.10 0.95313 0.00058	10.60 0.97675 0.00056	10.10 0.95884 0.00058
10.20 0.95683 0.00057	10.70 0.98059 0.00056	10.20 0.96200 0.00058
10.30 0.96144 0.00056	10.80 0.98463 0.00059	10.30 0.96685 0.00058
10.40 0.96650 0.00057	10.90 0.98973 0.00056	10.40 0.97188 0.00058
10.50 0.96996 0.00057	11.00 0.99245 0.00057	10.50 0.97496 0.00058
10.60 0.97398 0.00055	11.10 0.99720 0.00060	10.60 0.97907 0.00061
10.70 0.97984 0.00057	11.20 1.00164 0.00057	10.70 0.98433 0.00059
10.80 0.98279 0.00056	11.30 1.00499 0.00058	10.80 0.98818 0.00057
10.90 0.98766 0.00055	11.40 1.00878 0.00059	10.90 0.99190 0.00061
11.00 0.99056 0.00058	11.50 1.01270 0.00059	11.00 0.99509 0.00060
11.10 0.99529 0.00056		11.10 0.99836 0.00058
11.20 0.99931 0.00057		11.20 1.00417 0.00059
11.30 1.00204 0.00059		11.30 1.00675 0.00059
11.40 1.00672 0.00056		11.40 1.01099 0.00060
11.50 1.01034 0.00056		11.50 1.01553 0.00058

3000	4000	5000
9.00 0.90122 0.00060	10.00 0.92035 0.00057	11.00 0.91944 0.00059
9.10 0.90664 0.00059	10.10 0.92415 0.00060	11.10 0.92230 0.00059
9.20 0.91136 0.00060	10.20 0.92928 0.00061	11.20 0.92539 0.00057
9.30 0.91527 0.00058	10.30 0.93368 0.00062	11.30 0.92933 0.00058
9.40 0.92090 0.00060	10.40 0.93721 0.00059	11.40 0.93215 0.00058
9.50 0.92509 0.00057	10.50 0.94151 0.00063	11.50 0.93629 0.00056
9.60 0.93012 0.00059	10.60 0.94446 0.00061	11.60 0.93984 0.00060
9.70 0.93438 0.00058	10.70 0.94954 0.00056	11.70 0.94111 0.00061
9.80 0.93938 0.00061	10.80 0.95209 0.00058	11.80 0.94567 0.00056

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9.90	0.94334	0.00060	10.90	0.95756	0.00057	11.90	0.94962	0.00057
10.00	0.94774	0.00057	11.00	0.96012	0.00057	12.00	0.95163	0.00061
10.10	0.95214	0.00062	11.10	0.96447	0.00060	12.10	0.95580	0.00056
10.20	0.95663	0.00058	11.20	0.96916	0.00059	12.20	0.95930	0.00058
10.30	0.96166	0.00059	11.30	0.97103	0.00062	12.30	0.96086	0.00058
10.40	0.96637	0.00059	11.40	0.97528	0.00060	12.40	0.96387	0.00057
10.50	0.97027	0.00060	11.50	0.97743	0.00059	12.50	0.96740	0.00058
10.60	0.97465	0.00058	11.60	0.98136	0.00058	12.60	0.96926	0.00057
10.70	0.97713	0.00060	11.70	0.98595	0.00060	12.70	0.97352	0.00060
10.80	0.98119	0.00058	11.80	0.98865	0.00058	12.80	0.97569	0.00058
10.90	0.98721	0.00062	11.90	0.99164	0.00061	12.90	0.97746	0.00057
11.00	0.98914	0.00058	12.00	0.99567	0.00058	13.00	0.98185	0.00059
11.10	0.99440	0.00060	12.10	0.99942	0.00059	13.10	0.98327	0.00058
11.20	0.99768	0.00062	12.20	1.00148	0.00058	13.20	0.98707	0.00056
11.30	1.00231	0.00058	12.30	1.00485	0.00060	13.30	0.98838	0.00056
11.40	1.00432	0.00060	12.40	1.00818	0.00061	13.40	0.99237	0.00058
11.50	1.00891	0.00060	12.50	1.01148	0.00062	13.50	0.99550	0.00058
			12.60	1.01445	0.00060	13.60	0.99645	0.00059
			12.70	1.01720	0.00060	13.70	0.99960	0.00060
			12.80	1.02119	0.00058	13.80	1.00183	0.00058
			12.90	1.02347	0.00058	13.90	1.00489	0.00060
			13.00	1.02552	0.00061	14.00	1.00699	0.00061

6000	7000	7500						
13.00	0.92802	0.00057	15.00	0.91277	0.00055	18.00	0.92708	0.00053
13.20	0.93303	0.00055	15.25	0.91754	0.00053	18.25	0.93077	0.00053
13.40	0.93784	0.00056	15.50	0.92083	0.00054	18.50	0.93298	0.00051
13.60	0.94320	0.00058	15.75	0.92663	0.00054	18.75	0.93722	0.00052
13.80	0.94734	0.00057	16.00	0.93129	0.00056	19.00	0.93916	0.00052
14.00	0.95295	0.00057	16.25	0.93467	0.00055	19.25	0.94320	0.00052
14.20	0.95645	0.00059	16.50	0.93985	0.00054	19.50	0.94656	0.00052
14.40	0.96175	0.00057	16.75	0.94339	0.00055	19.75	0.94847	0.00052
14.60	0.96657	0.00059	17.00	0.94716	0.00052	20.00	0.95140	0.00053
14.80	0.97021	0.00057	17.25	0.95130	0.00056	20.25	0.95482	0.00053
15.00	0.97407	0.00055	17.50	0.95513	0.00053	20.50	0.95650	0.00055
15.20	0.97824	0.00056	17.75	0.95860	0.00055	20.75	0.96130	0.00053
15.40	0.98173	0.00056	18.00	0.96178	0.00055	21.00	0.96337	0.00053
15.60	0.98755	0.00058	18.25	0.96578	0.00052	21.25	0.96630	0.00052
15.80	0.99033	0.00059	18.50	0.96946	0.00056	21.50	0.96878	0.00052
16.00	0.99425	0.00057	18.75	0.97173	0.00052	21.75	0.97058	0.00052
16.20	0.99848	0.00058	19.00	0.97504	0.00054	22.00	0.97269	0.00053
16.40	1.00052	0.00057	19.25	0.97952	0.00052	22.25	0.97576	0.00052
16.60	1.00556	0.00056	19.50	0.98219	0.00055	22.50	0.97648	0.00053
16.80	1.00848	0.00052	19.75	0.98595	0.00053	22.75	0.98088	0.00055
17.00	1.01221	0.00056	20.00	0.98915	0.00053	23.00	0.98262	0.00052
			20.25	0.99119	0.00054	23.25	0.98437	0.00051
			20.50	0.99447	0.00053	23.50	0.98662	0.00052
			20.75	0.99604	0.00051	23.75	0.98954	0.00052
			21.00	0.99921	0.00054	24.00	0.99197	0.00051
			21.25	1.00277	0.00055	24.25	0.99339	0.00052
			21.50	1.00608	0.00055	24.50	0.99375	0.00052
			21.75	1.00752	0.00054	24.75	0.99733	0.00052
			22.00	1.01089	0.00056	25.00	0.99787	0.00051
						25.25	1.00074	0.00051
						25.50	1.00268	0.00052
						25.75	1.00485	0.00053
						26.00	1.00622	0.00049
						26.25	1.00799	0.00051
						26.50	1.00976	0.00051
						26.75	1.01136	0.00052
						27.00	1.01338	0.00052

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8000	9000	10000
20.00 0.91357 0.00051	3.00 0.40336 0.00021	999.98 0.90157 0.00035
20.50 0.91876 0.00054	23.00 0.86275 0.00022	999.99 0.90157 0.00035
21.00 0.92499 0.00050	43.00 0.94287 0.00022	
21.50 0.93047 0.00052	63.00 0.96953 0.00021	
22.00 0.93432 0.00049	83.00 0.98116 0.00021	
22.50 0.93938 0.00050	103.00 0.98793 0.00021	
23.00 0.94373 0.00050	123.00 0.99138 0.00021	
23.50 0.94765 0.00051	143.00 0.99393 0.00020	
24.00 0.95195 0.00052	163.00 0.99480 0.00020	
24.50 0.95616 0.00051	183.00 0.99651 0.00020	
25.00 0.95926 0.00051	203.00 0.99771 0.00020	
25.50 0.96261 0.00050	223.00 0.99796 0.00020	
26.00 0.96480 0.00052	243.00 0.99796 0.00020	
26.50 0.96839 0.00051	263.00 0.99868 0.00020	
27.00 0.97181 0.00051	283.00 0.99875 0.00020	
27.50 0.97501 0.00050	303.00 0.99924 0.00020	
28.00 0.97873 0.00048	323.00 0.99901 0.00020	
28.50 0.98037 0.00050	343.00 0.99990 0.00020	
29.00 0.98432 0.00050	363.00 0.99995 0.00020	
29.50 0.98585 0.00050	383.00 1.00044 0.00020	
30.00 0.98941 0.00049	400.00 1.00025 0.00020	
30.50 0.99145 0.00050		
31.00 0.99293 0.00050		
31.50 0.99681 0.00050		
32.00 0.99851 0.00047		
32.50 1.00048 0.00049		
33.00 1.00203 0.00051		
33.50 1.00337 0.00050		
34.00 1.00613 0.00049		
34.50 1.00820 0.00050		
35.00 1.00966 0.00050		

## sumtable.u5o2-icyl-0050-00

20	25	30
999.98 0.13060 0.00003	999.98 0.16015 0.00004	999.98 0.18896 0.00005
999.99 0.13060 0.00003	999.99 0.16015 0.00004	999.99 0.18896 0.00005
40	45	50
999.98 0.24346 0.00006	999.98 0.26904 0.00006	999.98 0.29422 0.00007
999.99 0.24346 0.00006	999.99 0.26904 0.00006	999.99 0.29422 0.00007
55	60	65
999.98 0.31856 0.00008	999.98 0.34179 0.00008	999.98 0.36455 0.00009
999.99 0.31856 0.00008	999.99 0.34179 0.00008	999.99 0.36455 0.00009
70	80	100
999.98 0.38644 0.00009	999.98 0.42831 0.00010	999.98 0.50538 0.00012
999.99 0.38644 0.00009	999.99 0.42831 0.00010	999.99 0.50538 0.00012
130	150	170
999.98 0.60539 0.00014	999.98 0.66424 0.00014	999.98 0.71698 0.00016
999.99 0.60539 0.00014	999.99 0.66424 0.00014	999.99 0.71698 0.00016
200	350	400
994.47 0.78725 0.00017	31.00 0.93859 0.00033	24.00 0.93726 0.00038
996.31 0.78725 0.00017	32.00 0.94404 0.00031	24.50 0.94242 0.00037
998.15 0.78725 0.00017	33.00 0.94884 0.00033	25.00 0.94728 0.00037
999.99 0.78725 0.00017	34.00 0.95151 0.00033	25.50 0.95184 0.00035
	35.00 0.95559 0.00032	26.00 0.95617 0.00036

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36.00	0.96006	0.00032	26.50	0.96052	0.00034
37.00	0.96355	0.00031	27.00	0.96445	0.00034
38.00	0.96707	0.00031	27.50	0.96748	0.00035
39.00	0.96987	0.00031	28.00	0.97160	0.00035
40.00	0.97232	0.00031	28.50	0.97509	0.00033
41.00	0.97563	0.00030	29.00	0.97815	0.00035
42.00	0.97739	0.00029	29.50	0.98104	0.00035
43.00	0.97920	0.00029	30.00	0.98472	0.00034
44.00	0.98196	0.00029	30.50	0.98730	0.00033
45.00	0.98386	0.00029	31.00	0.99011	0.00032
46.00	0.98655	0.00029	31.50	0.99222	0.00033
47.00	0.98777	0.00028	32.00	0.99507	0.00032
48.00	0.98922	0.00027	32.50	0.99745	0.00034
49.00	0.99095	0.00029	33.00	0.99995	0.00033
50.00	0.99196	0.00027	33.50	1.00198	0.00033
51.00	0.99398	0.00026	34.00	1.00430	0.00033
52.00	0.99505	0.00027	34.50	1.00625	0.00033
53.00	0.99629	0.00028	35.00	1.00812	0.00032
54.00	0.99726	0.00028	35.50	1.01027	0.00033
55.00	0.99876	0.00029	36.00	1.01267	0.00031
56.00	0.99934	0.00027	36.50	1.01435	0.00031
57.00	1.00025	0.00027	37.00	1.01595	0.00031
58.00	1.00142	0.00028	37.50	1.01852	0.00030
			38.00	1.01933	0.00032
			38.50	1.02022	0.00031
			39.00	1.02270	0.00031
			39.50	1.02296	0.00031
			40.00	1.02538	0.00031

500	650	800						
17.00	0.90204	0.00047	15.50	0.93381	0.00048	14.20	0.93666	0.00055
17.25	0.90720	0.00046	15.60	0.93795	0.00049	14.30	0.93985	0.00058
17.50	0.91319	0.00046	15.70	0.93935	0.00050	14.40	0.94511	0.00053
17.75	0.91874	0.00045	15.80	0.94259	0.00049	14.50	0.94868	0.00056
18.00	0.92343	0.00044	15.90	0.94538	0.00049	14.60	0.95169	0.00054
18.25	0.92873	0.00046	16.00	0.94911	0.00048	14.70	0.95542	0.00056
18.50	0.93309	0.00044	16.10	0.95144	0.00048	14.80	0.95867	0.00054
18.75	0.93730	0.00046	16.20	0.95417	0.00048	14.90	0.96172	0.00055
19.00	0.94411	0.00047	16.30	0.95601	0.00049	15.00	0.96685	0.00056
19.25	0.94705	0.00045	16.40	0.95930	0.00046	15.10	0.96915	0.00054
19.50	0.95221	0.00046	16.50	0.96277	0.00048	15.20	0.97294	0.00054
19.75	0.95720	0.00045	16.60	0.96446	0.00048	15.30	0.97558	0.00055
20.00	0.96039	0.00044	16.70	0.96727	0.00047	15.40	0.97839	0.00054
20.25	0.96443	0.00044	16.80	0.96999	0.00046	15.50	0.98260	0.00055
20.50	0.96841	0.00044	16.90	0.97234	0.00047	15.60	0.98515	0.00053
20.75	0.97200	0.00043	17.00	0.97451	0.00047	15.70	0.98824	0.00057
21.00	0.97684	0.00042	17.10	0.97739	0.00049	15.80	0.99114	0.00055
21.25	0.97921	0.00043	17.20	0.97993	0.00048	15.90	0.99389	0.00055
21.50	0.98346	0.00044	17.30	0.98162	0.00050	16.00	0.99648	0.00052
21.75	0.98686	0.00044	17.40	0.98467	0.00049	16.10	0.99963	0.00053
22.00	0.98996	0.00043	17.50	0.98692	0.00048	16.20	1.00237	0.00051
22.25	0.99247	0.00044	17.60	0.99008	0.00048	16.30	1.00509	0.00052
22.50	0.99749	0.00044	17.70	0.99176	0.00047			
22.75	1.00050	0.00043	17.80	0.99437	0.00049			
23.00	1.00228	0.00042	17.90	0.99597	0.00047			
23.25	1.00583	0.00044	18.00	0.99942	0.00048			
23.50	1.00928	0.00043	18.10	1.00084	0.00047			
23.75	1.01124	0.00041	18.20	1.00288	0.00047			
24.00	1.01469	0.00042	18.30	1.00555	0.00049			
24.25	1.01758	0.00042	18.40	1.00758	0.00048			
24.50	1.01953	0.00041	18.50	1.00865	0.00047			
24.75	1.02205	0.00041	18.60	1.01189	0.00045			
25.00	1.02449	0.00041						

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900	1000	1200
13.50 0.93283 0.00056	13.00 0.92909 0.00061	12.50 0.92982 0.00058
13.60 0.93530 0.00054	13.10 0.93273 0.00059	12.60 0.93417 0.00058
13.70 0.94077 0.00053	13.20 0.93819 0.00061	12.70 0.93898 0.00060
13.80 0.94568 0.00052	13.30 0.94087 0.00059	12.80 0.94355 0.00057
13.90 0.94849 0.00057	13.40 0.94606 0.00059	12.90 0.94776 0.00056
14.00 0.95331 0.00053	13.50 0.94995 0.00060	13.00 0.95319 0.00057
14.10 0.95663 0.00053	13.60 0.95401 0.00058	13.10 0.95722 0.00060
14.20 0.96013 0.00055	13.70 0.95824 0.00057	13.20 0.96085 0.00058
14.30 0.96346 0.00053	13.80 0.96158 0.00057	13.30 0.96597 0.00057
14.40 0.96895 0.00055	13.90 0.96547 0.00055	13.40 0.97159 0.00059
14.50 0.97135 0.00055	14.00 0.96989 0.00058	13.50 0.97504 0.00056
14.60 0.97473 0.00053	14.10 0.97305 0.00056	13.60 0.97864 0.00059
14.70 0.97746 0.00054	14.20 0.97903 0.00059	13.70 0.98283 0.00055
14.80 0.98164 0.00057	14.30 0.98196 0.00060	13.80 0.98787 0.00059
14.90 0.98567 0.00053	14.40 0.98502 0.00059	13.90 0.99233 0.00059
15.00 0.98878 0.00052	14.50 0.98919 0.00058	14.00 0.99554 0.00057
15.10 0.99186 0.00054	14.60 0.99183 0.00056	14.10 1.00029 0.00059
15.20 0.99646 0.00055	14.70 0.99715 0.00058	14.20 1.00300 0.00057
15.30 0.99819 0.00057	14.80 0.99962 0.00059	14.30 1.00709 0.00059
15.40 1.00148 0.00053	14.90 1.00301 0.00058	14.40 1.01179 0.00056
15.50 1.00452 0.00053	15.00 1.00753 0.00059	14.50 1.01568 0.00059
	15.10 1.01064 0.00058	14.60 1.01871 0.00057
	15.20 1.01311 0.00057	14.70 1.02193 0.00058
	15.30 1.01774 0.00056	14.80 1.02567 0.00057
	15.40 1.01947 0.00059	14.90 1.02937 0.00059
	15.50 1.02402 0.00059	15.00 1.03406 0.00060
	15.60 1.02726 0.00059	15.10 1.03661 0.00058
	15.70 1.03023 0.00057	15.20 1.04077 0.00058
	15.80 1.03303 0.00059	15.30 1.04358 0.00057
	15.90 1.03580 0.00057	15.40 1.04652 0.00058
	16.00 1.03977 0.00056	15.50 1.04994 0.00055

1500	1700	1900
12.00 0.92317 0.00066	11.90 0.92264 0.00067	11.80 0.92009 0.00066
12.05 0.92532 0.00063	12.00 0.92793 0.00065	11.90 0.92635 0.00064
12.10 0.92793 0.00064	12.10 0.93339 0.00065	12.00 0.93081 0.00064
12.15 0.93046 0.00065	12.20 0.94091 0.00066	12.10 0.93725 0.00065
12.20 0.93424 0.00064	12.30 0.94389 0.00065	12.20 0.94183 0.00066
12.25 0.93673 0.00062	12.40 0.95003 0.00063	12.30 0.94742 0.00066
12.30 0.93834 0.00066	12.50 0.95486 0.00065	12.40 0.95263 0.00065
12.35 0.94137 0.00062	12.60 0.96090 0.00064	12.50 0.95806 0.00067
12.40 0.94374 0.00063	12.70 0.96462 0.00063	12.60 0.96272 0.00065
12.45 0.94574 0.00066	12.80 0.96947 0.00067	12.70 0.96731 0.00066
12.50 0.94738 0.00064	12.90 0.97375 0.00068	12.80 0.97168 0.00067
12.55 0.95105 0.00063	13.00 0.97891 0.00065	12.90 0.97702 0.00067
12.60 0.95491 0.00064	13.10 0.98350 0.00064	13.00 0.98181 0.00065
12.65 0.95520 0.00065	13.20 0.98986 0.00064	13.10 0.98609 0.00067
12.70 0.95933 0.00062	13.30 0.99277 0.00063	13.20 0.99188 0.00068
12.75 0.96265 0.00061	13.40 0.99751 0.00063	13.30 0.99644 0.00065
12.80 0.96256 0.00061	13.50 1.00155 0.00066	13.40 0.99994 0.00064
12.85 0.96626 0.00064	13.60 1.00672 0.00066	13.50 1.00475 0.00065
12.90 0.96909 0.00063	13.70 1.01032 0.00064	13.60 1.01094 0.00065
12.95 0.97068 0.00065	13.80 1.01444 0.00064	13.70 1.01281 0.00066
13.00 0.97258 0.00065	13.90 1.01973 0.00064	13.80 1.01736 0.00065
13.05 0.97470 0.00065	14.00 1.02331 0.00063	13.90 1.02198 0.00064
13.10 0.97573 0.00063		14.00 1.02477 0.00064

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13.15 0.98027 0.00063  
 13.20 0.98161 0.00061  
 13.25 0.98324 0.00063  
 13.30 0.98751 0.00062  
 13.35 0.99071 0.00063  
 13.40 0.99243 0.00064  
 13.45 0.99362 0.00065  
 13.50 0.99509 0.00065  
 13.55 0.99821 0.00062  
 13.60 1.00046 0.00064  
 13.65 1.00077 0.00064  
 13.70 1.00425 0.00061  
 13.75 1.00652 0.00063  
 13.80 1.00746 0.00064  
 13.85 1.00968 0.00062  
 13.90 1.01261 0.00064  
 13.95 1.01574 0.00063  
 14.00 1.01666 0.00063

2000	2100	2500
11.80 0.91946 0.00066	11.80 0.92077 0.00066	12.00 0.92362 0.00066
11.90 0.92681 0.00068	11.90 0.92464 0.00066	12.10 0.92781 0.00067
12.00 0.93109 0.00065	12.00 0.93230 0.00066	12.20 0.93372 0.00067
12.10 0.93590 0.00065	12.10 0.93591 0.00065	12.30 0.94015 0.00067
12.20 0.94097 0.00065	12.20 0.94194 0.00064	12.40 0.94483 0.00068
12.30 0.94600 0.00066	12.30 0.94538 0.00069	12.50 0.95017 0.00067
12.40 0.95211 0.00067	12.40 0.95228 0.00066	12.60 0.95482 0.00069
12.50 0.95846 0.00065	12.50 0.95618 0.00065	12.70 0.96179 0.00066
12.60 0.96148 0.00070	12.60 0.96279 0.00065	12.80 0.96506 0.00066
12.70 0.96786 0.00064	12.70 0.96673 0.00065	12.90 0.96997 0.00067
12.80 0.97267 0.00066	12.80 0.97245 0.00065	13.00 0.97369 0.00069
12.90 0.97686 0.00066	12.90 0.97670 0.00064	13.10 0.97997 0.00066
13.00 0.98221 0.00063	13.00 0.98157 0.00066	13.20 0.98474 0.00066
13.10 0.98725 0.00067	13.10 0.98555 0.00065	13.30 0.98881 0.00067
13.20 0.99132 0.00062	13.20 0.99141 0.00067	13.40 0.99367 0.00065
13.30 0.99580 0.00067	13.30 0.99496 0.00066	13.50 0.99804 0.00066
13.40 1.00056 0.00065	13.40 1.00106 0.00066	13.60 1.00228 0.00066
13.50 1.00446 0.00065	13.50 1.00417 0.00067	13.70 1.00703 0.00064
13.60 1.00834 0.00066	13.60 1.00853 0.00067	13.80 1.01191 0.00068
13.70 1.01347 0.00064	13.70 1.01368 0.00063	13.90 1.01552 0.00068
13.80 1.01826 0.00066	13.80 1.01895 0.00065	14.00 1.01894 0.00065
13.90 1.02233 0.00064	13.90 1.02294 0.00067	
14.00 1.02588 0.00068	14.00 1.02574 0.00063	
	14.10 1.03052 0.00066	
	14.20 1.03390 0.00066	

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3000	4000	5000
12.00 0.90648 0.00067	13.50 0.93586 0.00066	14.00 0.89834 0.00066
12.05 0.90819 0.00069	13.60 0.94010 0.00067	14.20 0.90619 0.00062
12.10 0.91387 0.00066	13.70 0.94383 0.00062	14.40 0.91500 0.00062
12.15 0.91639 0.00065	13.80 0.94801 0.00062	14.60 0.92195 0.00062
12.20 0.91872 0.00068	13.90 0.95163 0.00065	14.80 0.93012 0.00064
12.25 0.92153 0.00068	14.00 0.95583 0.00066	15.00 0.93721 0.00063
12.30 0.92531 0.00068	14.10 0.96106 0.00066	15.20 0.94400 0.00063
12.35 0.92792 0.00063	14.20 0.96537 0.00068	15.40 0.95227 0.00062
12.40 0.92922 0.00065	14.30 0.97067 0.00064	15.60 0.95789 0.00062
12.45 0.93292 0.00065	14.40 0.97222 0.00065	15.80 0.96646 0.00064
12.50 0.93410 0.00067	14.50 0.97734 0.00068	16.00 0.97162 0.00065
12.55 0.93707 0.00069	14.60 0.98105 0.00066	16.20 0.97913 0.00062
12.60 0.93933 0.00064	14.70 0.98629 0.00064	16.40 0.98464 0.00064
12.65 0.94117 0.00065	14.80 0.98970 0.00065	16.60 0.98993 0.00063
12.70 0.94334 0.00067	14.90 0.99235 0.00064	16.80 0.99605 0.00067
12.75 0.94594 0.00066	15.00 0.99704 0.00063	17.00 1.00188 0.00064
12.80 0.95009 0.00067	15.10 1.00072 0.00065	17.20 1.00871 0.00064
12.85 0.95204 0.00069	15.20 1.00426 0.00065	17.40 1.01368 0.00061
12.90 0.95517 0.00068		17.60 1.01933 0.00064
12.95 0.95557 0.00068		17.80 1.02551 0.00063
13.00 0.95909 0.00068		18.00 1.02901 0.00062
13.05 0.96276 0.00066		18.20 1.03554 0.00060
13.10 0.96433 0.00067		18.40 1.03992 0.00063
13.15 0.96620 0.00066		18.60 1.04503 0.00061
13.20 0.96910 0.00065		18.80 1.05096 0.00063
13.25 0.96995 0.00068		19.00 1.05355 0.00065
13.30 0.97305 0.00064		
13.35 0.97535 0.00064		
13.40 0.97888 0.00068		
13.45 0.97836 0.00069		
13.50 0.98172 0.00067		
13.55 0.98501 0.00065		
13.60 0.98700 0.00067		
13.65 0.98889 0.00067		
13.70 0.99083 0.00066		
13.75 0.99288 0.00068		
13.80 0.99512 0.00065		
13.85 0.99694 0.00064		
13.90 1.00067 0.00067		
13.95 1.00211 0.00066		
14.00 1.00327 0.00068		
14.05 1.00457 0.00067		
14.10 1.00817 0.00062		

6000	7000	7500
16.00 0.90517 0.00061	19.00 0.91211 0.00057	21.00 0.91374 0.00056
16.20 0.91083 0.00062	19.25 0.91809 0.00057	21.25 0.91830 0.00055
16.40 0.91740 0.00061	19.50 0.92506 0.00056	21.50 0.92247 0.00054
16.60 0.92450 0.00061	19.75 0.92845 0.00056	21.75 0.92804 0.00056
16.80 0.92968 0.00059	20.00 0.93380 0.00057	22.00 0.93198 0.00054
17.00 0.93461 0.00064	20.25 0.93801 0.00057	22.25 0.93567 0.00057
17.20 0.94152 0.00062	20.50 0.94264 0.00057	22.50 0.93998 0.00055
17.40 0.94645 0.00061	20.75 0.94936 0.00055	22.75 0.94431 0.00054
17.60 0.95185 0.00061	21.00 0.95311 0.00059	23.00 0.94882 0.00053
17.80 0.95786 0.00059	21.25 0.95858 0.00054	23.25 0.95204 0.00052
18.00 0.96204 0.00062	21.50 0.96340 0.00057	23.50 0.95412 0.00054
18.20 0.96718 0.00061	21.75 0.96797 0.00058	23.75 0.95929 0.00056

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18.40	0.97308	0.00061	22.00	0.97200	0.00055	24.00	0.96054	0.00055
18.60	0.97730	0.00061	22.25	0.97540	0.00056	24.25	0.96494	0.00053
18.80	0.98155	0.00061	22.50	0.97996	0.00055	24.50	0.96911	0.00053
19.00	0.98798	0.00061	22.75	0.98174	0.00056	24.75	0.97191	0.00055
19.20	0.99114	0.00062	23.00	0.98610	0.00056	25.00	0.97528	0.00055
19.40	0.99624	0.00061	23.25	0.99206	0.00056	25.25	0.97769	0.00054
19.60	1.00056	0.00058	23.50	0.99437	0.00056	25.50	0.98087	0.00054
19.80	1.00559	0.00061	23.75	0.99919	0.00056	25.75	0.98449	0.00055
20.00	1.00897	0.00061	24.00	1.00214	0.00057	26.00	0.98675	0.00055
20.20	1.01367	0.00061	24.25	1.00507	0.00057	26.25	0.99079	0.00053
20.40	1.01823	0.00058	24.50	1.00784	0.00057	26.50	0.99310	0.00052
20.60	1.02120	0.00061	24.75	1.01111	0.00055	26.75	0.99511	0.00053
20.80	1.02392	0.00064	25.00	1.01344	0.00056	27.00	0.99719	0.00053
21.00	1.02856	0.00061	25.25	1.01816	0.00055	27.25	1.00007	0.00054
			25.50	1.02155	0.00054	27.50	1.00356	0.00056
			25.75	1.02334	0.00056	27.75	1.00666	0.00054
			26.00	1.02668	0.00055	28.00	1.00818	0.00056
						28.25	1.01096	0.00054
						28.50	1.01257	0.00054
						28.75	1.01527	0.00055
						29.00	1.01746	0.00053
						29.25	1.02088	0.00055
						29.50	1.02290	0.00055
						29.75	1.02547	0.00053
						30.00	1.02704	0.00052

8000	9000	10000						
25.50	0.93902	0.00051	36.00	0.93902	0.00046	999.98	0.96762	0.00034
25.75	0.94341	0.00052	37.00	0.94477	0.00046	999.99	0.96762	0.00034
26.00	0.94485	0.00054	38.00	0.94800	0.00046			
26.25	0.94928	0.00050	39.00	0.95360	0.00042			
26.50	0.95114	0.00049	40.00	0.95835	0.00047			
26.75	0.95546	0.00051	41.00	0.96163	0.00047			
27.00	0.95628	0.00051	42.00	0.96489	0.00044			
27.25	0.95898	0.00050	43.00	0.96914	0.00045			
27.50	0.96186	0.00053	44.00	0.97265	0.00045			
27.75	0.96379	0.00050	45.00	0.97475	0.00046			
28.00	0.96774	0.00053	46.00	0.97835	0.00044			
28.25	0.96977	0.00050	47.00	0.98123	0.00045			
28.50	0.97200	0.00050	48.00	0.98330	0.00042			
28.75	0.97467	0.00053	49.00	0.98693	0.00045			
29.00	0.97630	0.00051	50.00	0.98819	0.00044			
29.25	0.97852	0.00049	51.00	0.99101	0.00045			
29.50	0.98021	0.00053	52.00	0.99125	0.00043			
29.75	0.98359	0.00053	53.00	0.99531	0.00044			
30.00	0.98627	0.00050	54.00	0.99686	0.00044			
30.25	0.98719	0.00051	55.00	0.99865	0.00044			
30.50	0.98917	0.00051	56.00	1.00028	0.00044			
30.75	0.99199	0.00051	57.00	1.00230	0.00043			
31.00	0.99281	0.00051	58.00	1.00333	0.00044			
31.25	0.99599	0.00050						
31.50	0.99651	0.00050						
31.75	0.99915	0.00052						
32.00	1.00084	0.00049						
32.25	1.00229	0.00051						
32.50	1.00428	0.00049						

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sumtable.u5o2-icyl-0050-01								
		20		25		30		
999.98	0.13060	0.00003	999.98	0.16015	0.00004	999.98	0.18896	0.00005
999.99	0.13060	0.00003	999.99	0.16015	0.00004	999.99	0.18896	0.00005
		40		45		50		
999.98	0.24346	0.00006	999.98	0.26904	0.00006	999.98	0.29422	0.00007
999.99	0.24346	0.00006	999.99	0.26904	0.00006	999.99	0.29422	0.00007
		55		60		65		
999.98	0.31856	0.00008	999.98	0.34179	0.00008	999.98	0.36455	0.00009
999.99	0.31856	0.00008	999.99	0.34179	0.00008	999.99	0.36455	0.00009
		70		80		100		
999.98	0.38644	0.00009	999.98	0.42831	0.00010	999.98	0.50538	0.00012
999.99	0.38644	0.00009	999.99	0.42831	0.00010	999.99	0.50538	0.00012
		130		150		170		
999.98	0.60539	0.00014	999.98	0.66424	0.00014	999.98	0.71698	0.00016
999.99	0.60539	0.00014	999.99	0.66424	0.00014	999.99	0.71698	0.00016
		200		350		400		
999.98	0.78725	0.00017	28.00	0.93039	0.00033	22.00	0.93343	0.00036
999.99	0.78725	0.00017	29.00	0.93672	0.00033	22.50	0.93839	0.00035
			30.00	0.94262	0.00032	23.00	0.94264	0.00035
			31.00	0.94575	0.00032	23.50	0.94795	0.00035
			32.00	0.95043	0.00031	24.00	0.95185	0.00035
			33.00	0.95511	0.00032	24.50	0.95595	0.00035
			34.00	0.95820	0.00034	25.00	0.96105	0.00035
			35.00	0.96176	0.00032	25.50	0.96415	0.00035
			36.00	0.96529	0.00031	26.00	0.96788	0.00034
			37.00	0.96828	0.00030	26.50	0.97130	0.00034
			38.00	0.97121	0.00029	27.00	0.97463	0.00033
			39.00	0.97265	0.00030	27.50	0.97831	0.00035
			40.00	0.97657	0.00030	28.00	0.98165	0.00034
			41.00	0.97837	0.00029	28.50	0.98439	0.00033
			42.00	0.98095	0.00029	29.00	0.98713	0.00034
			43.00	0.98325	0.00029	29.50	0.99112	0.00032
			44.00	0.98520	0.00029	30.00	0.99292	0.00034
			45.00	0.98674	0.00029	30.50	0.99538	0.00031
			46.00	0.98812	0.00028	31.00	0.99774	0.00032
			47.00	0.98941	0.00027	31.50	1.00034	0.00033
			48.00	0.99222	0.00029	32.00	1.00235	0.00032
			49.00	0.99297	0.00028			
			50.00	0.99543	0.00028			
			51.00	0.99545	0.00028			
			52.00	0.99710	0.00027			
			53.00	0.99778	0.00027			
			54.00	0.99888	0.00027			
			55.00	1.00008	0.00027			
			56.00	1.00148	0.00027			
			57.00	1.00269	0.00026			
			58.00	1.00349	0.00026			

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500	650	800
16.00 0.91403 0.00045	10.00 0.77864 0.00048	12.00 0.91444 0.00056
16.25 0.92096 0.00045	10.10 0.78300 0.00049	12.10 0.91860 0.00056
16.50 0.92479 0.00044	10.20 0.78820 0.00047	12.20 0.92210 0.00055
16.75 0.92927 0.00045	10.30 0.79407 0.00050	12.30 0.92453 0.00054
17.00 0.93535 0.00044	10.40 0.79783 0.00049	12.40 0.92954 0.00054
17.25 0.94060 0.00044	10.50 0.80424 0.00050	12.50 0.93378 0.00053
17.50 0.94372 0.00046	10.60 0.80804 0.00049	12.60 0.93713 0.00055
17.75 0.94894 0.00042	10.70 0.81309 0.00050	12.70 0.94130 0.00055
18.00 0.95390 0.00044	10.80 0.81629 0.00050	12.80 0.94418 0.00055
18.25 0.95791 0.00041	10.90 0.82181 0.00046	12.90 0.94716 0.00054
18.50 0.96138 0.00043	11.00 0.82685 0.00048	13.00 0.95140 0.00056
18.75 0.96618 0.00044	11.10 0.83153 0.00050	13.10 0.95547 0.00055
19.00 0.96979 0.00042	11.20 0.83513 0.00049	13.20 0.95877 0.00056
19.25 0.97287 0.00042	11.30 0.83996 0.00049	13.30 0.96227 0.00052
19.50 0.97726 0.00043	11.40 0.84361 0.00048	13.40 0.96550 0.00055
19.75 0.98121 0.00043	11.50 0.84797 0.00049	13.50 0.96780 0.00051
20.00 0.98503 0.00042	11.60 0.85129 0.00047	13.60 0.97152 0.00056
20.25 0.98879 0.00043	11.70 0.85651 0.00050	13.70 0.97536 0.00054
20.50 0.99204 0.00042	11.80 0.86104 0.00048	13.80 0.97824 0.00052
20.75 0.99421 0.00043	11.90 0.86450 0.00048	13.90 0.98124 0.00054
21.00 0.99785 0.00041	12.00 0.86842 0.00049	14.00 0.98395 0.00055
21.25 1.00030 0.00042	12.10 0.87100 0.00045	14.10 0.98733 0.00054
21.50 1.00470 0.00041	12.20 0.87527 0.00047	14.20 0.99117 0.00052
21.75 1.00718 0.00041	12.30 0.87890 0.00048	14.30 0.99413 0.00052
22.00 1.00869 0.00044	12.40 0.88362 0.00048	14.40 0.99660 0.00052
	12.50 0.88652 0.00047	14.50 0.99914 0.00054
	12.60 0.89114 0.00049	14.60 1.00261 0.00052
	12.70 0.89409 0.00048	14.70 1.00591 0.00051
	12.80 0.89714 0.00048	14.80 1.00770 0.00050
	12.90 0.90116 0.00047	14.90 1.00971 0.00051
	13.00 0.90364 0.00048	15.00 1.01413 0.00052
	13.10 0.90726 0.00049	
	13.20 0.91105 0.00047	
	13.30 0.91383 0.00049	
	13.40 0.91760 0.00049	
	13.50 0.92017 0.00049	
	13.60 0.92353 0.00051	
	13.70 0.92761 0.00047	
	13.80 0.93122 0.00047	
	13.90 0.93259 0.00047	
	14.00 0.93664 0.00048	
	14.10 0.93973 0.00048	
	14.20 0.94156 0.00048	
	14.30 0.94515 0.00046	
	14.40 0.94833 0.00051	
	14.50 0.95061 0.00047	
	14.60 0.95334 0.00046	
	14.70 0.95564 0.00048	
	14.80 0.95870 0.00047	
	14.90 0.96151 0.00046	
	15.00 0.96446 0.00048	
	15.10 0.96593 0.00045	
	15.20 0.96963 0.00048	
	15.30 0.97129 0.00048	
	15.40 0.97369 0.00046	
	15.50 0.97549 0.00047	
	15.60 0.97852 0.00048	
	15.70 0.98176 0.00047	
	15.80 0.98463 0.00047	
	15.90 0.98638 0.00049	
	16.00 0.98810 0.00046	
	16.10 0.99124 0.00046	

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16.20	0.99236	0.00045
16.30	0.99633	0.00046
16.40	0.99923	0.00046
16.50	0.99969	0.00044
16.60	1.00252	0.00045
16.70	1.00454	0.00046
16.80	1.00707	0.00046
16.90	1.00778	0.00046
17.00	1.01083	0.00047

900	1000	1200
11.50 0.91557 0.00053	11.00 0.90967 0.00057	11.00 0.93442 0.00059
11.60 0.91899 0.00054	11.10 0.91441 0.00058	11.05 0.93707 0.00058
11.70 0.92471 0.00053	11.20 0.91903 0.00057	11.10 0.93905 0.00056
11.80 0.92806 0.00054	11.30 0.92314 0.00058	11.15 0.94151 0.00055
11.90 0.93247 0.00050	11.40 0.92768 0.00060	11.20 0.94403 0.00058
12.00 0.93604 0.00054	11.50 0.93259 0.00058	11.25 0.94749 0.00057
12.10 0.94014 0.00051	11.60 0.93664 0.00061	11.30 0.94803 0.00056
12.20 0.94419 0.00051	11.70 0.94170 0.00057	11.35 0.95179 0.00057
12.30 0.94830 0.00052	11.80 0.94622 0.00058	11.40 0.95518 0.00055
12.40 0.95194 0.00054	11.90 0.95016 0.00057	11.45 0.95670 0.00055
12.50 0.95563 0.00052	12.00 0.95374 0.00056	11.50 0.95783 0.00057
12.60 0.96033 0.00051	12.10 0.95873 0.00058	11.55 0.95941 0.00057
12.70 0.96335 0.00052	12.20 0.96284 0.00057	11.60 0.96165 0.00056
12.80 0.96754 0.00054	12.30 0.96748 0.00059	11.65 0.96424 0.00054
12.90 0.97131 0.00051	12.40 0.97107 0.00058	11.70 0.96656 0.00058
13.00 0.97569 0.00051	12.50 0.97525 0.00058	11.75 0.96894 0.00056
13.10 0.97739 0.00051	12.60 0.97866 0.00059	11.80 0.97088 0.00057
13.20 0.98153 0.00054	12.70 0.98075 0.00057	11.85 0.97340 0.00058
13.30 0.98475 0.00053	12.80 0.98536 0.00058	11.90 0.97473 0.00055
13.40 0.98948 0.00055	12.90 0.98963 0.00057	11.95 0.97725 0.00055
13.50 0.99208 0.00050	13.00 0.99313 0.00056	12.00 0.98019 0.00055
13.60 0.99394 0.00054	13.10 0.99686 0.00059	12.05 0.98245 0.00055
13.70 0.99884 0.00053	13.20 1.00020 0.00055	12.10 0.98465 0.00056
13.80 1.00231 0.00052	13.30 1.00308 0.00057	12.15 0.98528 0.00056
13.90 1.00502 0.00052	13.40 1.00631 0.00059	12.20 0.98835 0.00057
14.00 1.00800 0.00053		12.25 0.99014 0.00056
		12.30 0.99144 0.00057
		12.35 0.99377 0.00057
		12.40 0.99528 0.00057
		12.45 0.99807 0.00056
		12.50 1.00099 0.00055
		12.55 1.00193 0.00058
		12.60 1.00388 0.00057

1500	1700	1900
10.40 0.92528 0.00063	10.00 0.90947 0.00062	10.00 0.91302 0.00063
10.50 0.93041 0.00064	10.10 0.91601 0.00064	10.10 0.91816 0.00060
10.60 0.93486 0.00061	10.20 0.92143 0.00063	10.20 0.92451 0.00064
10.70 0.94204 0.00060	10.30 0.92682 0.00065	10.30 0.92913 0.00062
10.80 0.94466 0.00061	10.40 0.93249 0.00065	10.40 0.93550 0.00065
10.90 0.95010 0.00062	10.50 0.93818 0.00062	10.50 0.94097 0.00063
11.00 0.95537 0.00060	10.60 0.94229 0.00061	10.60 0.94524 0.00063

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11.10	0.96038	0.00061	10.70	0.94708	0.00061	10.70	0.94960	0.00064
11.20	0.96580	0.00061	10.80	0.95185	0.00063	10.80	0.95534	0.00064
11.30	0.97127	0.00063	10.90	0.95835	0.00064	10.90	0.96135	0.00064
11.40	0.97434	0.00061	11.00	0.96120	0.00067	11.00	0.96579	0.00064
11.50	0.97913	0.00065	11.10	0.96710	0.00061	11.10	0.97054	0.00064
11.60	0.98446	0.00061	11.20	0.97358	0.00063	11.20	0.97490	0.00063
11.70	0.98855	0.00060	11.30	0.97685	0.00062	11.30	0.98030	0.00062
11.80	0.99228	0.00061	11.40	0.98303	0.00064	11.40	0.98465	0.00064
11.90	0.99716	0.00063	11.50	0.98609	0.00064	11.50	0.98999	0.00061
12.00	1.00194	0.00065	11.60	0.99002	0.00064	11.60	0.99526	0.00062
12.10	1.00495	0.00064	11.70	0.99508	0.00063	11.70	0.99798	0.00063
12.20	1.00934	0.00060	11.80	0.99945	0.00061	11.80	1.00379	0.00064
12.30	1.01351	0.00061	11.90	1.00452	0.00063	11.90	1.00714	0.00066
12.40	1.01996	0.00062	12.00	1.00855	0.00064	12.00	1.01182	0.00064
			12.10	1.01293	0.00061	12.10	1.01614	0.00063
			12.20	1.01644	0.00068	12.20	1.02039	0.00060

2000			2100			2500		
10.00	0.91229	0.00066	10.00	0.91383	0.00061	10.00	0.90905	0.00064
10.10	0.91900	0.00064	10.10	0.91911	0.00066	10.10	0.91380	0.00066
10.20	0.92471	0.00065	10.20	0.92385	0.00066	10.20	0.91876	0.00069
10.30	0.92958	0.00065	10.30	0.93102	0.00064	10.30	0.92520	0.00066
10.40	0.93531	0.00063	10.40	0.93632	0.00064	10.40	0.93019	0.00068
10.50	0.94078	0.00064	10.50	0.94111	0.00062	10.50	0.93439	0.00067
10.60	0.94541	0.00065	10.60	0.94479	0.00062	10.60	0.94025	0.00064
10.70	0.95178	0.00064	10.70	0.95138	0.00066	10.70	0.94520	0.00065
10.80	0.95593	0.00062	10.80	0.95604	0.00064	10.80	0.95009	0.00062
10.90	0.96124	0.00064	10.90	0.96144	0.00064	10.90	0.95544	0.00064
11.00	0.96563	0.00064	11.00	0.96472	0.00064	11.00	0.95948	0.00066
11.10	0.96963	0.00063	11.10	0.97083	0.00065	11.10	0.96571	0.00064
11.20	0.97570	0.00063	11.20	0.97534	0.00062	11.20	0.97041	0.00066
11.30	0.98190	0.00062	11.30	0.98056	0.00065	11.30	0.97594	0.00066
11.40	0.98536	0.00064	11.40	0.98535	0.00065	11.40	0.97969	0.00062
11.50	0.99196	0.00061	11.50	0.99137	0.00061	11.50	0.98459	0.00066
11.60	0.99467	0.00064	11.60	0.99412	0.00062	11.60	0.98908	0.00067
11.70	0.99868	0.00064	11.70	0.99889	0.00063	11.70	0.99263	0.00063
11.80	1.00375	0.00064	11.80	1.00315	0.00065	11.80	0.99979	0.00064
11.90	1.00841	0.00062	11.90	1.00687	0.00066	11.90	1.00348	0.00064
12.00	1.01247	0.00064	12.00	1.01347	0.00063	12.00	1.00854	0.00065
12.10	1.01784	0.00064	12.10	1.01673	0.00063	12.10	1.01120	0.00065
12.20	1.02048	0.00063	12.20	1.02068	0.00066	12.20	1.01436	0.00065
			12.30	1.01978	0.00063			

3000			4000			5000		
10.70	0.93211	0.00065	11.60	0.93258	0.00064	13.00	0.93420	0.00065
10.80	0.93742	0.00063	11.65	0.93411	0.00064	13.10	0.93776	0.00061
10.90	0.94112	0.00065	11.70	0.93682	0.00064	13.20	0.94150	0.00061
11.00	0.94633	0.00064	11.75	0.93832	0.00064	13.30	0.94430	0.00062
11.10	0.95158	0.00065	11.80	0.94075	0.00064	13.40	0.94824	0.00063
11.20	0.95652	0.00065	11.85	0.94299	0.00066	13.50	0.95010	0.00063
11.30	0.96124	0.00064	11.90	0.94566	0.00063	13.60	0.95419	0.00063
11.40	0.96657	0.00065	11.95	0.94876	0.00064	13.70	0.95996	0.00063
11.50	0.96961	0.00068	12.00	0.95073	0.00064	13.80	0.96191	0.00060

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11.60	0.97433	0.00066	12.05	0.95201	0.00063	13.90	0.96629	0.00063
11.70	0.97853	0.00066	12.10	0.95424	0.00066	14.00	0.96918	0.00063
11.80	0.98345	0.00064	12.15	0.95624	0.00067	14.10	0.97176	0.00060
11.90	0.98823	0.00065	12.20	0.95871	0.00065	14.20	0.97419	0.00063
12.00	0.99275	0.00068	12.25	0.96004	0.00065	14.30	0.97902	0.00062
12.10	0.99599	0.00064	12.30	0.96230	0.00067	14.40	0.98152	0.00063
12.20	1.00070	0.00065	12.35	0.96531	0.00064	14.50	0.98376	0.00064
12.30	1.00542	0.00063	12.40	0.96605	0.00066	14.60	0.98868	0.00062
12.40	1.00897	0.00066	12.45	0.96803	0.00065	14.70	0.98999	0.00066
12.50	1.01362	0.00063	12.50	0.97075	0.00062	14.80	0.99327	0.00060
12.60	1.01796	0.00062	12.55	0.97222	0.00063	14.90	0.99682	0.00064
12.70	1.02205	0.00064	12.60	0.97369	0.00066	15.00	0.99949	0.00062
12.80	1.02517	0.00067	12.65	0.97676	0.00065	15.10	1.00318	0.00065
12.90	1.02966	0.00065	12.70	0.97807	0.00066	15.20	1.00571	0.00062
13.00	1.03351	0.00066	12.75	0.98049	0.00065			
			12.80	0.98216	0.00064			
			12.85	0.98329	0.00066			
			12.90	0.98355	0.00066			
			12.95	0.98797	0.00066			
			13.00	0.98976	0.00064			
			13.05	0.99213	0.00067			
			13.10	0.99297	0.00064			
			13.15	0.99648	0.00065			
			13.20	0.99738	0.00062			
			13.25	0.99843	0.00063			
			13.30	1.00115	0.00064			
			13.35	1.00195	0.00063			
			13.40	1.00486	0.00065			

6000	7000	7500						
14.00	0.90541	0.00061	17.00	0.91537	0.00060	19.00	0.91779	0.00054
14.20	0.91202	0.00061	17.25	0.92112	0.00059	19.25	0.92179	0.00057
14.40	0.91772	0.00059	17.50	0.92645	0.00057	19.50	0.92585	0.00055
14.60	0.92451	0.00062	17.75	0.93108	0.00057	19.75	0.92946	0.00055
14.80	0.92973	0.00062	18.00	0.93598	0.00058	20.00	0.93455	0.00054
15.00	0.93579	0.00062	18.25	0.94187	0.00055	20.25	0.93842	0.00055
15.20	0.94146	0.00063	18.50	0.94616	0.00060	20.50	0.94209	0.00054
15.40	0.94731	0.00064	18.75	0.95127	0.00056	20.75	0.94584	0.00056
15.60	0.95228	0.00063	19.00	0.95556	0.00056	21.00	0.95055	0.00053
15.80	0.95764	0.00062	19.25	0.95904	0.00057	21.25	0.95346	0.00055
16.00	0.96189	0.00062	19.50	0.96333	0.00059	21.50	0.95718	0.00053
16.20	0.96611	0.00061	19.75	0.96825	0.00057	21.75	0.96140	0.00056
16.40	0.97161	0.00058	20.00	0.97360	0.00058	22.00	0.96378	0.00056
16.60	0.97776	0.00060	20.25	0.97704	0.00057	22.25	0.96739	0.00055
16.80	0.98146	0.00060	20.50	0.98133	0.00058	22.50	0.96992	0.00055
17.00	0.98644	0.00059	20.75	0.98385	0.00057	22.75	0.97429	0.00055
17.20	0.99196	0.00063	21.00	0.98841	0.00058	23.00	0.97707	0.00055
17.40	0.99547	0.00061	21.25	0.99246	0.00058	23.25	0.98079	0.00056
17.60	0.99993	0.00061	21.50	0.99563	0.00057	23.50	0.98364	0.00056
17.80	1.00564	0.00061	21.75	0.99912	0.00056	23.75	0.98591	0.00057
18.00	1.00822	0.00057	22.00	1.00294	0.00057	24.00	0.99001	0.00054
			22.25	1.00674	0.00058	24.25	0.99186	0.00053
			22.50	1.00877	0.00059	24.50	0.99456	0.00055
			22.75	1.01379	0.00056	24.75	0.99724	0.00054
			23.00	1.01484	0.00055	25.00	1.00017	0.00053
						25.25	1.00238	0.00053
						25.50	1.00513	0.00056
						25.75	1.00646	0.00055
						26.00	1.00990	0.00054

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8000	9000	10000
20.00 0.89530 0.00055	30.00 0.91652 0.00046	999.98 0.96762 0.00034
20.50 0.90093 0.00053	31.00 0.92271 0.00047	999.99 0.96762 0.00034
21.00 0.90965 0.00053	32.00 0.93023 0.00046	
21.50 0.91736 0.00051	33.00 0.93651 0.00049	
22.00 0.92464 0.00054	34.00 0.94117 0.00044	
22.50 0.93013 0.00053	35.00 0.94677 0.00049	
23.00 0.93647 0.00053	36.00 0.95179 0.00046	
23.50 0.94261 0.00052	37.00 0.95599 0.00047	
24.00 0.94813 0.00052	38.00 0.95854 0.00047	
24.50 0.95441 0.00055	39.00 0.96306 0.00049	
25.00 0.96023 0.00052	40.00 0.96755 0.00044	
25.50 0.96420 0.00051	41.00 0.96995 0.00046	
26.00 0.97000 0.00052	42.00 0.97335 0.00044	
26.50 0.97430 0.00051	43.00 0.97612 0.00043	
27.00 0.97819 0.00053	44.00 0.97894 0.00045	
27.50 0.98277 0.00050	45.00 0.98197 0.00048	
28.00 0.98743 0.00052	46.00 0.98449 0.00045	
28.50 0.99091 0.00053	47.00 0.98687 0.00045	
29.00 0.99434 0.00053	48.00 0.98966 0.00046	
29.50 0.99847 0.00053	49.00 0.99185 0.00044	
30.00 1.00098 0.00051	50.00 0.99497 0.00043	
30.50 1.00469 0.00052	51.00 0.99545 0.00045	
31.00 1.00902 0.00051	52.00 0.99764 0.00046	
31.50 1.01156 0.00053	53.00 0.99921 0.00044	
32.00 1.01565 0.00051	54.00 1.00135 0.00044	
32.50 1.01789 0.00052	55.00 1.00150 0.00045	
33.00 1.01985 0.00052	56.00 1.00500 0.00045	
33.50 1.02288 0.00052	57.00 1.00527 0.00045	
34.00 1.02683 0.00051	58.00 1.00701 0.00046	
	59.00 1.00825 0.00044	
	60.00 1.00943 0.00045	

## sumtable.u5o2-icyl-0050-10

20	25	30
999.98 0.13060 0.00003	999.98 0.16015 0.00004	999.98 0.18896 0.00005
999.99 0.13060 0.00003	999.99 0.16015 0.00004	999.99 0.18896 0.00005
40	45	50
999.98 0.24346 0.00006	999.98 0.26904 0.00006	999.98 0.29422 0.00007
999.99 0.24346 0.00006	999.99 0.26904 0.00006	999.99 0.29422 0.00007
55	60	65
999.98 0.31856 0.00008	999.98 0.34179 0.00008	999.98 0.36455 0.00009
999.99 0.31856 0.00008	999.99 0.34179 0.00008	999.99 0.36455 0.00009
70	80	100
999.98 0.38644 0.00009	999.98 0.42831 0.00010	999.98 0.50538 0.00012
999.99 0.38644 0.00009	999.99 0.42831 0.00010	999.99 0.50538 0.00012
130	150	170
999.98 0.60539 0.00014	999.98 0.66424 0.00014	999.98 0.71698 0.00016
999.99 0.60539 0.00014	999.99 0.66424 0.00014	999.99 0.71698 0.00016

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200	350	400
999.98 0.78725 0.00017	20.00 0.87544 0.00034	21.00 0.93524 0.00034
999.99 0.78725 0.00017	22.00 0.89469 0.00033	21.50 0.93952 0.00036
	24.00 0.91163 0.00032	22.00 0.94484 0.00035
	26.00 0.92579 0.00033	22.50 0.94953 0.00034
	28.00 0.93695 0.00033	23.00 0.95350 0.00034
	30.00 0.94663 0.00030	23.50 0.95834 0.00034
	32.00 0.95596 0.00031	24.00 0.96169 0.00032
	34.00 0.96267 0.00031	24.50 0.96620 0.00034
	36.00 0.96853 0.00030	25.00 0.96977 0.00032
	38.00 0.97462 0.00029	25.50 0.97346 0.00032
	40.00 0.97901 0.00030	26.00 0.97686 0.00032
	42.00 0.98339 0.00027	26.50 0.97994 0.00033
	44.00 0.98704 0.00028	27.00 0.98260 0.00032
	46.00 0.98990 0.00028	27.50 0.98566 0.00033
	48.00 0.99273 0.00027	28.00 0.98823 0.00032
	50.00 0.99672 0.00027	28.50 0.99134 0.00031
	52.00 0.99790 0.00027	29.00 0.99408 0.00032
	54.00 1.00020 0.00027	29.50 0.99606 0.00031
	56.00 1.00308 0.00026	30.00 0.99900 0.00031
	58.00 1.00411 0.00026	30.50 1.00085 0.00031
	60.00 1.00598 0.00026	31.00 1.00316 0.00032

500	650	800
15.00 0.91886 0.00043	12.70 0.93417 0.00044	11.00 0.92386 0.00051
15.25 0.92307 0.00043	12.80 0.93730 0.00044	11.10 0.92873 0.00050
15.50 0.92895 0.00042	12.90 0.94002 0.00046	11.20 0.93135 0.00050
15.75 0.93382 0.00043	13.00 0.94354 0.00046	11.30 0.93593 0.00048
16.00 0.93845 0.00042	13.10 0.94595 0.00045	11.40 0.93961 0.00050
16.25 0.94351 0.00040	13.20 0.94910 0.00045	11.50 0.94276 0.00051
16.50 0.94761 0.00043	13.30 0.95164 0.00045	11.60 0.94704 0.00049
16.75 0.95264 0.00040	13.40 0.95411 0.00044	11.70 0.95057 0.00050
17.00 0.95746 0.00042	13.50 0.95683 0.00044	11.80 0.95485 0.00051
17.25 0.96100 0.00042	13.60 0.95979 0.00044	11.90 0.95753 0.00051
17.50 0.96499 0.00041	13.70 0.96340 0.00045	12.00 0.96249 0.00050
17.75 0.96840 0.00041	13.80 0.96439 0.00047	12.10 0.96399 0.00052
18.00 0.97172 0.00044	13.90 0.96764 0.00046	12.20 0.96769 0.00051
18.25 0.97697 0.00042	14.00 0.97049 0.00045	12.30 0.97140 0.00052
18.50 0.98024 0.00041	14.10 0.97306 0.00044	12.40 0.97436 0.00050
18.75 0.98348 0.00041	14.20 0.97526 0.00045	12.50 0.97703 0.00050
19.00 0.98737 0.00041	14.30 0.97785 0.00043	12.60 0.98081 0.00051
19.25 0.99082 0.00040	14.40 0.98073 0.00046	12.70 0.98438 0.00052
19.50 0.99382 0.00040	14.50 0.98364 0.00043	12.80 0.98783 0.00049
19.75 0.99679 0.00039	14.60 0.98456 0.00044	12.90 0.99007 0.00049
20.00 1.00043 0.00040	14.70 0.98719 0.00045	13.00 0.99292 0.00049
20.25 1.00253 0.00040	14.80 0.99039 0.00045	13.10 0.99503 0.00051
20.50 1.00639 0.00041	14.90 0.99237 0.00043	13.20 0.99909 0.00050
20.75 1.00913 0.00040	15.00 0.99463 0.00042	13.30 1.00213 0.00051
21.00 1.01196 0.00040	15.10 0.99690 0.00044	13.40 1.00520 0.00053
	15.20 0.99869 0.00044	13.50 1.00738 0.00049
	15.30 1.00143 0.00043	13.60 1.00908 0.00051
	15.40 1.00390 0.00044	13.70 1.01410 0.00050
		13.80 1.01613 0.00051
		13.90 1.01919 0.00050
		14.00 1.02101 0.00051

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900	1000	1200
10.70 0.93605 0.00051	10.00 0.92412 0.00055	9.00 0.90224 0.00054
10.80 0.94062 0.00051	10.10 0.92890 0.00055	9.10 0.90681 0.00054
10.90 0.94420 0.00050	10.20 0.93231 0.00055	9.20 0.91232 0.00052
11.00 0.94770 0.00049	10.30 0.93898 0.00053	9.30 0.91757 0.00052
11.10 0.95243 0.00050	10.40 0.94354 0.00053	9.40 0.92165 0.00054
11.20 0.95653 0.00050	10.50 0.94646 0.00053	9.50 0.92709 0.00052
11.30 0.96014 0.00051	10.60 0.95145 0.00054	9.60 0.93185 0.00051
11.40 0.96298 0.00048	10.70 0.95515 0.00054	9.70 0.93796 0.00052
11.50 0.96779 0.00048	10.80 0.95986 0.00054	9.80 0.94257 0.00051
11.60 0.97077 0.00049	10.90 0.96309 0.00054	9.90 0.94656 0.00053
11.70 0.97570 0.00050	11.00 0.96757 0.00052	10.00 0.95217 0.00054
11.80 0.97899 0.00050	11.10 0.97150 0.00054	10.10 0.95652 0.00052
11.90 0.98211 0.00049	11.20 0.97561 0.00052	10.20 0.96058 0.00053
12.00 0.98562 0.00050	11.30 0.97952 0.00052	10.30 0.96499 0.00052
12.10 0.98974 0.00050	11.40 0.98429 0.00053	10.40 0.97024 0.00054
12.20 0.99227 0.00049	11.50 0.98653 0.00052	10.50 0.97460 0.00051
12.30 0.99492 0.00051	11.60 0.99069 0.00054	10.60 0.97853 0.00054
12.40 0.99873 0.00051	11.70 0.99422 0.00055	10.70 0.98331 0.00054
12.50 1.00119 0.00049	11.80 0.99709 0.00053	10.80 0.98721 0.00052
12.60 1.00506 0.00050	11.90 1.00172 0.00055	10.90 0.99115 0.00052
12.70 1.00906 0.00049	12.00 1.00511 0.00053	11.00 0.99599 0.00052
12.80 1.01144 0.00050	12.10 1.00779 0.00055	11.10 0.99988 0.00055
12.90 1.01549 0.00049	12.20 1.01211 0.00053	11.20 1.00327 0.00052
13.00 1.01756 0.00048		

1500	1700	1900
8.90 0.92055 0.00055	8.80 0.92509 0.00059	8.60 0.91914 0.00059
9.00 0.92761 0.00055	8.85 0.92683 0.00061	8.70 0.92547 0.00059
9.10 0.93196 0.00056	8.90 0.93008 0.00058	8.80 0.93150 0.00059
9.20 0.93692 0.00055	8.95 0.93385 0.00056	8.90 0.93626 0.00061
9.30 0.94326 0.00056	9.00 0.93629 0.00058	9.00 0.94276 0.00061
9.40 0.94744 0.00054	9.05 0.93883 0.00058	9.10 0.94721 0.00060
9.50 0.95247 0.00056	9.10 0.94177 0.00062	9.20 0.95143 0.00062
9.60 0.95756 0.00053	9.15 0.94390 0.00059	9.30 0.95847 0.00060
9.70 0.96211 0.00056	9.20 0.94710 0.00058	9.40 0.96100 0.00060
9.80 0.96796 0.00053	9.25 0.94929 0.00059	9.50 0.96697 0.00058
9.90 0.97211 0.00055	9.30 0.95160 0.00056	9.60 0.97269 0.00060
10.00 0.97627 0.00056	9.35 0.95467 0.00058	9.70 0.97720 0.00059
10.10 0.98119 0.00055	9.40 0.95641 0.00060	9.80 0.98227 0.00058
10.20 0.98521 0.00057	9.45 0.95988 0.00059	9.90 0.98653 0.00059
10.30 0.98992 0.00054	9.50 0.96152 0.00061	10.00 0.99321 0.00062
10.40 0.99490 0.00052	9.55 0.96488 0.00059	10.10 0.99569 0.00061
10.50 0.99853 0.00055	9.60 0.96710 0.00058	10.20 1.00103 0.00060
10.60 1.00380 0.00052	9.65 0.96944 0.00060	10.30 1.00488 0.00058
10.70 1.00827 0.00055	9.70 0.97117 0.00059	10.40 1.01021 0.00060
10.80 1.01250 0.00056	9.75 0.97416 0.00059	10.50 1.01394 0.00059
10.90 1.01693 0.00055	9.80 0.97748 0.00059	
11.00 1.02055 0.00055	9.85 0.97974 0.00056	
	9.90 0.98060 0.00058	
	9.95 0.98431 0.00059	
	10.00 0.98565 0.00061	
	10.05 0.98895 0.00061	
	10.10 0.99113 0.00057	
	10.15 0.99312 0.00059	
	10.20 0.99562 0.00060	
	10.25 0.99755 0.00058	
	10.30 0.99978 0.00057	
	10.35 1.00156 0.00059	
	10.40 1.00338 0.00058	
	10.45 1.00668 0.00059	
	10.50 1.00884 0.00056	

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10.55	1.01094	0.00058
10.60	1.01168	0.00059
10.65	1.01512	0.00060
10.70	1.01762	0.00058
10.75	1.02046	0.00061
10.80	1.02162	0.00057
10.85	1.02384	0.00057
10.90	1.02594	0.00057
10.95	1.02828	0.00060
11.00	1.03040	0.00060

2000	2100	2500
8.70 0.92737 0.00059	8.60 0.92255 0.00059	8.60 0.92235 0.00062
8.75 0.92932 0.00059	8.65 0.92536 0.00061	8.70 0.92810 0.00061
8.80 0.93222 0.00060	8.70 0.92783 0.00059	8.80 0.93316 0.00060
8.85 0.93558 0.00059	8.75 0.93071 0.00060	8.90 0.93922 0.00061
8.90 0.93837 0.00055	8.80 0.93409 0.00061	9.00 0.94417 0.00061
8.95 0.94091 0.00064	8.85 0.93616 0.00061	9.10 0.94854 0.00062
9.00 0.94234 0.00060	8.90 0.93908 0.00060	9.20 0.95450 0.00063
9.05 0.94688 0.00062	8.95 0.94153 0.00058	9.30 0.96024 0.00059
9.10 0.94958 0.00057	9.00 0.94370 0.00057	9.40 0.96451 0.00060
9.15 0.95142 0.00061	9.05 0.94811 0.00061	9.50 0.96846 0.00060
9.20 0.95425 0.00059	9.10 0.94960 0.00062	9.60 0.97390 0.00061
9.25 0.95698 0.00060	9.15 0.95218 0.00061	9.70 0.97891 0.00061
9.30 0.95992 0.00060	9.20 0.95522 0.00060	9.80 0.98289 0.00058
9.35 0.96130 0.00058	9.25 0.95779 0.00059	9.90 0.98881 0.00060
9.40 0.96462 0.00059	9.30 0.95925 0.00061	10.00 0.99267 0.00060
9.45 0.96706 0.00059	9.35 0.96260 0.00060	10.10 0.99750 0.00058
9.50 0.96851 0.00059	9.40 0.96475 0.00060	10.20 1.00080 0.00061
9.55 0.97230 0.00059	9.45 0.96759 0.00060	10.30 1.00718 0.00060
9.60 0.97424 0.00058	9.50 0.96951 0.00059	10.40 1.01234 0.00062
9.65 0.97624 0.00060	9.55 0.97218 0.00059	10.50 1.01555 0.00061
9.70 0.97895 0.00060	9.60 0.97562 0.00060	10.60 1.01983 0.00059
9.75 0.98132 0.00062	9.65 0.97793 0.00059	10.70 1.02408 0.00061
9.80 0.98323 0.00062	9.70 0.97944 0.00060	10.80 1.02843 0.00059
9.85 0.98567 0.00061	9.75 0.98159 0.00060	10.90 1.03130 0.00061
9.90 0.98801 0.00060	9.80 0.98555 0.00061	11.00 1.03579 0.00063
9.95 0.99185 0.00058	9.85 0.98766 0.00060	
10.00 0.99228 0.00059	9.90 0.99033 0.00061	
10.05 0.99575 0.00058	9.95 0.99183 0.00062	
10.10 0.99954 0.00058	10.00 0.99487 0.00060	
10.15 1.00073 0.00061	10.05 0.99667 0.00058	
10.20 1.00266 0.00061	10.10 0.99867 0.00061	
10.25 1.00471 0.00060	10.15 1.00012 0.00059	
10.30 1.00674 0.00061	10.20 1.00397 0.00060	
10.35 1.00828 0.00059	10.25 1.00541 0.00064	
10.40 1.01121 0.00060	10.30 1.00766 0.00056	
10.45 1.01355 0.00060		
10.50 1.01637 0.00057		

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3000	4000	5000
8.80 0.92431 0.00062	9.00 0.90660 0.00060	10.00 0.90900 0.00058
8.90 0.93022 0.00060	9.10 0.90926 0.00057	10.10 0.91339 0.00059
9.00 0.93595 0.00062	9.20 0.91523 0.00059	10.20 0.91732 0.00060
9.10 0.94006 0.00059	9.30 0.91991 0.00063	10.30 0.92051 0.00058
9.20 0.94657 0.00059	9.40 0.92522 0.00062	10.40 0.92416 0.00058
9.30 0.95068 0.00062	9.50 0.92969 0.00063	10.50 0.92833 0.00059
9.40 0.95542 0.00062	9.60 0.93366 0.00061	10.60 0.93221 0.00057
9.50 0.96097 0.00061	9.70 0.93859 0.00063	10.70 0.93685 0.00059
9.60 0.96500 0.00060	9.80 0.94318 0.00060	10.80 0.93994 0.00059
9.70 0.97000 0.00061	9.90 0.94746 0.00059	10.90 0.94407 0.00059
9.80 0.97422 0.00059	10.00 0.95150 0.00061	11.00 0.94676 0.00060
9.90 0.97930 0.00063	10.10 0.95538 0.00060	11.10 0.94993 0.00060
10.00 0.98300 0.00062	10.20 0.95947 0.00061	11.20 0.95436 0.00061
10.10 0.98820 0.00064	10.30 0.96380 0.00060	11.30 0.95828 0.00059
10.20 0.99285 0.00060	10.40 0.96836 0.00060	11.40 0.96088 0.00060
10.30 0.99686 0.00058	10.50 0.97322 0.00061	11.50 0.96380 0.00062
10.40 1.00037 0.00060	10.60 0.97592 0.00060	11.60 0.96698 0.00059
10.50 1.00585 0.00061	10.70 0.97992 0.00059	11.70 0.97003 0.00059
10.60 1.01082 0.00063	10.80 0.98403 0.00058	11.80 0.97273 0.00059
10.70 1.01328 0.00059	10.90 0.98721 0.00058	11.90 0.97835 0.00059
10.80 1.01959 0.00059	11.00 0.99122 0.00063	12.00 0.98077 0.00059
10.90 1.02121 0.00060	11.10 0.99514 0.00062	12.10 0.98272 0.00059
11.00 1.02630 0.00059	11.20 0.99873 0.00061	12.20 0.98694 0.00061
	11.30 1.00292 0.00060	12.30 0.98937 0.00059
	11.40 1.00603 0.00059	12.40 0.99310 0.00062
	11.50 1.01043 0.00059	12.50 0.99552 0.00060
	11.60 1.01328 0.00059	12.60 0.99918 0.00060
	11.70 1.01535 0.00061	12.70 1.00010 0.00060
	11.80 1.01936 0.00062	12.80 1.00438 0.00058
	11.90 1.02271 0.00059	12.90 1.00791 0.00059
	12.00 1.02580 0.00058	13.00 1.00842 0.00060

6000	7000	7500
11.90 0.92521 0.00059	14.00 0.92106 0.00057	15.00 0.91070 0.00055
12.10 0.93019 0.00056	14.25 0.92601 0.00056	15.25 0.91504 0.00053
12.30 0.93678 0.00056	14.50 0.93142 0.00056	15.50 0.91858 0.00055
12.50 0.94202 0.00057	14.75 0.93689 0.00054	15.75 0.92326 0.00052
12.70 0.94829 0.00058	15.00 0.94051 0.00054	16.00 0.92795 0.00053
12.90 0.95304 0.00059	15.25 0.94765 0.00057	16.25 0.93259 0.00054
13.10 0.95878 0.00059	15.50 0.95216 0.00054	16.50 0.93587 0.00053
13.30 0.96328 0.00057	15.75 0.95604 0.00054	16.75 0.93988 0.00054
13.50 0.96889 0.00056	16.00 0.96045 0.00054	17.00 0.94437 0.00052
13.70 0.97306 0.00058	16.25 0.96277 0.00054	17.25 0.94754 0.00056
13.90 0.97845 0.00058	16.50 0.96901 0.00055	17.50 0.95142 0.00055
14.10 0.98255 0.00056	16.75 0.97327 0.00055	17.75 0.95548 0.00051
14.30 0.98764 0.00060	17.00 0.97645 0.00056	18.00 0.95802 0.00055
14.50 0.99180 0.00058	17.25 0.98104 0.00054	18.25 0.96219 0.00054
14.70 0.99571 0.00058	17.50 0.98531 0.00056	18.50 0.96607 0.00056
14.90 1.00125 0.00060	17.75 0.98822 0.00059	18.75 0.96888 0.00052
15.10 1.00394 0.00056	18.00 0.99299 0.00055	19.00 0.97146 0.00054
15.30 1.00906 0.00058	18.25 0.99532 0.00053	19.25 0.97557 0.00055
15.50 1.01398 0.00056	18.50 1.00011 0.00058	19.50 0.97820 0.00054
15.70 1.01616 0.00056	18.75 1.00420 0.00056	19.75 0.98207 0.00054
15.90 1.02160 0.00061	19.00 1.00507 0.00055	20.00 0.98400 0.00055
16.10 1.02497 0.00057	19.25 1.00982 0.00056	20.25 0.98678 0.00054
	19.50 1.01213 0.00056	20.50 0.98979 0.00055
	19.75 1.01636 0.00053	20.75 0.99450 0.00054
	20.00 1.01808 0.00056	21.00 0.99548 0.00053

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21.25	0.99808	0.00056
21.50	1.00029	0.00054
21.75	1.00353	0.00055
22.00	1.00564	0.00052
22.25	1.00835	0.00053
22.50	1.00957	0.00052
22.75	1.01336	0.00052
23.00	1.01502	0.00055

8000	9000	10000
18.00 0.92379 0.00054	28.00 0.93705 0.00047	999.98 0.96762 0.00034
18.25 0.92807 0.00052	29.00 0.94234 0.00048	999.99 0.96762 0.00034
18.50 0.93079 0.00053	30.00 0.94692 0.00048	
18.75 0.93488 0.00052	31.00 0.95141 0.00048	
19.00 0.93669 0.00052	32.00 0.95604 0.00046	
19.25 0.93924 0.00052	33.00 0.95987 0.00047	
19.50 0.94213 0.00050	34.00 0.96397 0.00045	
19.75 0.94609 0.00053	35.00 0.96708 0.00048	
20.00 0.94830 0.00053	36.00 0.97066 0.00046	
20.25 0.95165 0.00053	37.00 0.97391 0.00046	
20.50 0.95471 0.00051	38.00 0.97665 0.00046	
20.75 0.95750 0.00054	39.00 0.97994 0.00046	
21.00 0.96025 0.00050	40.00 0.98146 0.00045	
21.25 0.96147 0.00050	41.00 0.98489 0.00046	
21.50 0.96503 0.00052	42.00 0.98674 0.00044	
21.75 0.96645 0.00053	43.00 0.98985 0.00044	
22.00 0.97000 0.00053	44.00 0.99290 0.00043	
22.25 0.97168 0.00053	45.00 0.99519 0.00045	
22.50 0.97419 0.00051	46.00 0.99606 0.00045	
22.75 0.97693 0.00052	47.00 0.99838 0.00044	
23.00 0.97957 0.00052	48.00 1.00001 0.00043	
23.25 0.98104 0.00051	49.00 1.00195 0.00045	
23.50 0.98406 0.00050	50.00 1.00288 0.00047	
23.75 0.98493 0.00049		
24.00 0.98647 0.00050		
24.25 0.98904 0.00051		
24.50 0.99169 0.00052		
24.75 0.99158 0.00051		
25.00 0.99515 0.00051		
25.25 0.99631 0.00050		
25.50 0.99866 0.00053		
25.75 0.99960 0.00053		
26.00 1.00273 0.00050		
26.25 1.00351 0.00052		
26.50 1.00529 0.00052		
26.75 1.00611 0.00052		
27.00 1.00786 0.00052		
27.25 1.01029 0.00052		
27.50 1.01056 0.00051		
27.75 1.01291 0.00051		
28.00 1.01460 0.00052		

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sumtable.u5o2-icyl-0060-00								
		20		25		30		
999.98	0.15474	0.00004	999.98	0.18932	0.00005	999.98	0.22256	0.00006
999.99	0.15474	0.00004	999.99	0.18932	0.00005	999.99	0.22256	0.00006
		40		45		50		
999.98	0.28508	0.00007	999.98	0.31453	0.00007	999.98	0.34297	0.00008
999.99	0.28508	0.00007	999.99	0.31453	0.00007	999.99	0.34297	0.00008
		55		60		65		
999.98	0.37024	0.00009	999.98	0.39674	0.00009	999.98	0.42225	0.00010
999.99	0.37024	0.00009	999.99	0.39674	0.00009	999.99	0.42225	0.00010
		70		80		100		
999.98	0.44673	0.00010	999.98	0.49294	0.00011	999.98	0.57733	0.00013
999.99	0.44673	0.00010	999.99	0.49294	0.00011	999.99	0.57733	0.00013
		130		150		170		
999.98	0.68526	0.00016	999.98	0.74705	0.00016	999.90	0.80237	0.00016
999.99	0.68526	0.00016	999.99	0.74705	0.00016	999.93	0.80237	0.00016
						999.96	0.80237	0.00016
						999.99	0.80237	0.00016
		200		350		400		
999.98	0.87504	0.00018	20.00	0.91520	0.00042	18.60	0.93416	0.00043
999.99	0.87504	0.00018	20.25	0.91869	0.00042	18.80	0.93860	0.00043
			20.50	0.92257	0.00041	19.00	0.94147	0.00040
			20.75	0.92611	0.00042	19.20	0.94623	0.00043
			21.00	0.92980	0.00041	19.40	0.94966	0.00041
			21.25	0.93369	0.00040	19.60	0.95280	0.00042
			21.50	0.93586	0.00040	19.80	0.95650	0.00041
			21.75	0.93956	0.00042	20.00	0.95933	0.00041
			22.00	0.94359	0.00040	20.20	0.96266	0.00043
			22.25	0.94713	0.00040	20.40	0.96636	0.00041
			22.50	0.94917	0.00038	20.60	0.96993	0.00043
			22.75	0.95278	0.00041	20.80	0.97244	0.00043
			23.00	0.95386	0.00039	21.00	0.97542	0.00039
			23.25	0.95726	0.00040	21.20	0.97861	0.00041
			23.50	0.96038	0.00039	21.40	0.98082	0.00040
			23.75	0.96293	0.00042	21.60	0.98366	0.00040
			24.00	0.96662	0.00039	21.80	0.98682	0.00042
			24.25	0.96891	0.00039	22.00	0.98912	0.00040
			24.50	0.97129	0.00038	22.20	0.99177	0.00040
			24.75	0.97335	0.00039	22.40	0.99431	0.00039
			25.00	0.97577	0.00038	22.60	0.99702	0.00038
			25.25	0.97826	0.00038	22.80	0.99932	0.00040
			25.50	0.98063	0.00038	23.00	1.00214	0.00040
			25.75	0.98244	0.00038			
			26.00	0.98452	0.00038			
			26.25	0.98766	0.00037			
			26.50	0.98815	0.00038			
			26.75	0.99088	0.00038			
			27.00	0.99389	0.00037			
			27.25	0.99462	0.00038			
			27.50	0.99685	0.00037			
			27.75	0.99816	0.00038			
			28.00	1.00045	0.00036			
			28.25	1.00293	0.00036			
			28.50	1.00342	0.00038			
			28.75	1.00633	0.00036			
			29.00	1.00787	0.00036			
			29.25	1.00885	0.00037			
			29.50	1.00995	0.00037			

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500	650	800
15.80 0.93533 0.00053	13.80 0.93096 0.00052	12.60 0.92101 0.00061
15.90 0.93823 0.00052	13.90 0.93633 0.00051	12.70 0.92538 0.00060
16.00 0.94068 0.00052	14.00 0.94063 0.00051	12.80 0.93076 0.00058
16.10 0.94425 0.00052	14.10 0.94434 0.00053	12.90 0.93633 0.00059
16.20 0.94669 0.00050	14.20 0.94873 0.00052	13.00 0.94002 0.00060
16.30 0.94939 0.00049	14.30 0.95302 0.00052	13.10 0.94380 0.00060
16.40 0.95244 0.00050	14.40 0.95574 0.00052	13.20 0.94834 0.00060
16.50 0.95401 0.00049	14.50 0.95900 0.00053	13.30 0.95264 0.00060
16.60 0.95638 0.00049	14.60 0.96177 0.00052	13.40 0.95848 0.00062
16.70 0.96017 0.00048	14.70 0.96674 0.00053	13.50 0.96186 0.00057
16.80 0.96300 0.00048	14.80 0.96920 0.00055	13.60 0.96662 0.00060
16.90 0.96498 0.00051	14.90 0.97295 0.00052	13.70 0.97069 0.00057
17.00 0.96687 0.00049	15.00 0.97585 0.00052	13.80 0.97533 0.00060
17.10 0.96954 0.00051	15.10 0.98019 0.00053	13.90 0.97773 0.00062
17.20 0.97253 0.00051	15.20 0.98262 0.00054	14.00 0.98221 0.00058
17.30 0.97417 0.00048	15.30 0.98558 0.00051	14.10 0.98628 0.00058
17.40 0.97638 0.00049	15.40 0.98983 0.00052	14.20 0.99013 0.00057
17.50 0.97969 0.00051	15.50 0.99136 0.00054	14.30 0.99330 0.00061
17.60 0.98213 0.00049	15.60 0.99552 0.00051	14.40 0.99808 0.00057
17.70 0.98390 0.00047	15.70 0.99880 0.00050	14.50 1.00087 0.00058
17.80 0.98584 0.00049	15.80 1.00213 0.00053	14.60 1.00494 0.00057
17.90 0.98822 0.00048	15.90 1.00516 0.00052	14.70 1.00893 0.00056
18.00 0.99111 0.00048	16.00 1.00825 0.00052	14.80 1.01212 0.00058
18.10 0.99328 0.00049		14.90 1.01614 0.00059
18.20 0.99449 0.00048		15.00 1.01882 0.00061
18.30 0.99816 0.00049		15.10 1.02335 0.00058
18.40 0.99938 0.00048		
18.50 1.00143 0.00047		
18.60 1.00302 0.00049		

900	1000	1200
12.50 0.93466 0.00054	12.00 0.92406 0.00061	11.50 0.91562 0.00060
12.60 0.93888 0.00058	12.05 0.92662 0.00063	11.60 0.92055 0.00061
12.70 0.94488 0.00057	12.10 0.92914 0.00060	11.70 0.92762 0.00060
12.80 0.95077 0.00060	12.15 0.93227 0.00064	11.80 0.93277 0.00062
12.90 0.95394 0.00057	12.20 0.93437 0.00065	11.90 0.93873 0.00062
13.00 0.95874 0.00058	12.25 0.93679 0.00060	12.00 0.94254 0.00058
13.10 0.96281 0.00057	12.30 0.93942 0.00061	12.10 0.94806 0.00061
13.20 0.96817 0.00056	12.35 0.94270 0.00059	12.20 0.95441 0.00062
13.30 0.97174 0.00060	12.40 0.94452 0.00062	12.30 0.95905 0.00062
13.40 0.97586 0.00058	12.45 0.94802 0.00061	12.40 0.96505 0.00058
13.50 0.98200 0.00062	12.50 0.95013 0.00065	12.50 0.97080 0.00059
13.60 0.98619 0.00056	12.55 0.95197 0.00062	12.60 0.97429 0.00060
13.70 0.98965 0.00056	12.60 0.95438 0.00061	12.70 0.97807 0.00061
13.80 0.99327 0.00058	12.65 0.95723 0.00062	12.80 0.98448 0.00061
13.90 0.99739 0.00058	12.70 0.95972 0.00063	12.90 0.98933 0.00062
14.00 1.00257 0.00059	12.75 0.96246 0.00060	13.00 0.99367 0.00061
14.10 1.00590 0.00055	12.80 0.96412 0.00061	13.10 0.99938 0.00059
14.20 1.01002 0.00057	12.85 0.96641 0.00060	13.20 1.00381 0.00061
	12.90 0.96842 0.00064	13.30 1.00930 0.00061
	12.95 0.97146 0.00061	13.40 1.01242 0.00060
	13.00 0.97498 0.00063	13.50 1.01743 0.00059
	13.05 0.97637 0.00064	13.60 1.02062 0.00059
	13.10 0.97841 0.00063	13.70 1.02500 0.00060
	13.15 0.98159 0.00063	13.80 1.02843 0.00058
	13.20 0.98178 0.00060	13.90 1.03359 0.00063
	13.25 0.98457 0.00061	14.00 1.03880 0.00057

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13.30	0.98816	0.00059
13.35	0.98929	0.00065
13.40	0.99176	0.00064
13.45	0.99405	0.00060
13.50	0.99638	0.00062
13.55	0.99842	0.00063
13.60	1.00032	0.00061
13.65	1.00308	0.00061
13.70	1.00556	0.00062
13.75	1.00691	0.00064
13.80	1.00748	0.00061
13.85	1.01071	0.00062
13.90	1.01303	0.00061
13.95	1.01518	0.00062
14.00	1.01671	0.00061

1500	1700	1900
11.30 0.91862 0.00066	11.00 0.90226 0.00065	11.00 0.90277 0.00067
11.40 0.92415 0.00068	11.10 0.90816 0.00065	11.05 0.90726 0.00067
11.50 0.92929 0.00065	11.20 0.91555 0.00068	11.10 0.90888 0.00067
11.60 0.93475 0.00066	11.30 0.92135 0.00066	11.15 0.91200 0.00068
11.70 0.94230 0.00068	11.40 0.92659 0.00065	11.20 0.91508 0.00069
11.80 0.94730 0.00064	11.50 0.93356 0.00068	11.25 0.91850 0.00065
11.90 0.95280 0.00069	11.60 0.93879 0.00065	11.30 0.92084 0.00070
12.00 0.95858 0.00066	11.70 0.94543 0.00068	11.35 0.92345 0.00068
12.10 0.96407 0.00064	11.80 0.95110 0.00065	11.40 0.92754 0.00071
12.20 0.96908 0.00068	11.90 0.95605 0.00066	11.45 0.93066 0.00069
12.30 0.97560 0.00067	12.00 0.96178 0.00068	11.50 0.93387 0.00070
12.40 0.97856 0.00066	12.10 0.96756 0.00067	11.55 0.93509 0.00071
12.50 0.98601 0.00065	12.20 0.97221 0.00065	11.60 0.93931 0.00068
12.60 0.98935 0.00067	12.30 0.97718 0.00068	11.65 0.94265 0.00068
12.70 0.99447 0.00064	12.40 0.98224 0.00067	11.70 0.94381 0.00067
12.80 0.99880 0.00066	12.50 0.98851 0.00066	11.75 0.94767 0.00067
12.90 1.00548 0.00066	12.60 0.99419 0.00069	11.80 0.95128 0.00068
13.00 1.00883 0.00067	12.70 0.99841 0.00069	11.85 0.95494 0.00070
13.10 1.01366 0.00066	12.80 1.00270 0.00063	11.90 0.95664 0.00065
13.20 1.01864 0.00065	12.90 1.00837 0.00067	11.95 0.95907 0.00066
13.30 1.02366 0.00066	13.00 1.01389 0.00065	12.00 0.96211 0.00068
	13.10 1.01768 0.00069	12.05 0.96382 0.00066
	13.20 1.02383 0.00067	12.10 0.96570 0.00069
	13.30 1.02699 0.00069	12.15 0.97002 0.00066
		12.20 0.97285 0.00067
		12.25 0.97619 0.00066
		12.30 0.97860 0.00069
		12.35 0.98166 0.00068
		12.40 0.98256 0.00068
		12.45 0.98511 0.00066
		12.50 0.98743 0.00070
		12.55 0.99171 0.00065
		12.60 0.99331 0.00066
		12.65 0.99634 0.00069
		12.70 0.99723 0.00068
		12.75 1.00112 0.00066
		12.80 1.00396 0.00067
		12.85 1.00576 0.00068
		12.90 1.00851 0.00068
		12.95 1.01188 0.00069
		13.00 1.01381 0.00064

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2000	2100	2500
11.30 0.91907 0.00066	11.00 0.89994 0.00068	11.50 0.92225 0.00069
11.35 0.92311 0.00067	11.10 0.90613 0.00068	11.55 0.92532 0.00066
11.40 0.92639 0.00068	11.20 0.91194 0.00069	11.60 0.92688 0.00068
11.45 0.92870 0.00068	11.30 0.91874 0.00067	11.65 0.92995 0.00067
11.50 0.93168 0.00069	11.40 0.92526 0.00066	11.70 0.93317 0.00068
11.55 0.93543 0.00068	11.50 0.93101 0.00069	11.75 0.93614 0.00067
11.60 0.93938 0.00070	11.60 0.93705 0.00071	11.80 0.93926 0.00069
11.65 0.94133 0.00068	11.70 0.94317 0.00066	11.85 0.94121 0.00070
11.70 0.94477 0.00068	11.80 0.94684 0.00074	11.90 0.94518 0.00068
11.75 0.94730 0.00068	11.90 0.95489 0.00068	11.95 0.94788 0.00067
11.80 0.95132 0.00066	12.00 0.95913 0.00069	12.00 0.95033 0.00066
11.85 0.95256 0.00069	12.10 0.96443 0.00068	12.05 0.95293 0.00070
11.90 0.95531 0.00066	12.20 0.97118 0.00067	12.10 0.95575 0.00068
11.95 0.95854 0.00067	12.30 0.97606 0.00064	12.15 0.95869 0.00067
12.00 0.96137 0.00065	12.40 0.98158 0.00067	12.20 0.96141 0.00068
12.05 0.96413 0.00068	12.50 0.98621 0.00070	12.25 0.96412 0.00067
12.10 0.96608 0.00068	12.60 0.99221 0.00067	12.30 0.96676 0.00070
12.15 0.96919 0.00068	12.70 0.99595 0.00069	12.35 0.96943 0.00069
12.20 0.97119 0.00065	12.80 1.00174 0.00069	12.40 0.97151 0.00072
12.25 0.97422 0.00069	12.90 1.00610 0.00068	12.45 0.97385 0.00070
12.30 0.97788 0.00066	13.00 1.01056 0.00067	12.50 0.97757 0.00070
12.35 0.97953 0.00069	13.10 1.01567 0.00065	12.55 0.98081 0.00069
12.40 0.98317 0.00067	13.20 1.02085 0.00066	12.60 0.98157 0.00067
12.45 0.98500 0.00068	13.30 1.02639 0.00068	12.65 0.98387 0.00071
12.50 0.98801 0.00068		12.70 0.98685 0.00070
12.55 0.99159 0.00069		12.75 0.98835 0.00068
12.60 0.99286 0.00066		12.80 0.99264 0.00068
12.65 0.99490 0.00067		12.85 0.99524 0.00067
12.70 0.99945 0.00068		12.90 0.99713 0.00068
12.75 1.00029 0.00066		12.95 1.00052 0.00067
12.80 1.00357 0.00066		13.00 1.00254 0.00066
12.85 1.00511 0.00065		
12.90 1.00873 0.00067		
12.95 1.01009 0.00069		
13.00 1.01334 0.00067		

3000	4000	5000
12.20 0.94164 0.00068	12.80 0.92379 0.00068	14.40 0.93562 0.00065
12.25 0.94474 0.00066	12.85 0.92613 0.00067	14.50 0.93991 0.00063
12.30 0.94622 0.00066	12.90 0.92787 0.00066	14.60 0.94330 0.00064
12.35 0.95016 0.00069	12.95 0.93127 0.00066	14.70 0.94618 0.00066
12.40 0.95301 0.00065	13.00 0.93276 0.00070	14.80 0.95034 0.00063
12.45 0.95538 0.00068	13.05 0.93592 0.00067	14.90 0.95386 0.00065
12.50 0.95762 0.00066	13.10 0.93790 0.00067	15.00 0.95782 0.00065
12.55 0.96115 0.00067	13.15 0.94062 0.00065	15.10 0.96029 0.00063
12.60 0.96335 0.00066	13.20 0.94280 0.00066	15.20 0.96593 0.00064
12.65 0.96514 0.00069	13.25 0.94561 0.00064	15.30 0.96950 0.00063
12.70 0.96799 0.00067	13.30 0.94765 0.00071	15.40 0.97263 0.00064
12.75 0.97034 0.00068	13.35 0.95089 0.00067	15.50 0.97667 0.00064
12.80 0.97339 0.00067	13.40 0.95296 0.00068	15.60 0.97941 0.00068
12.85 0.97539 0.00067	13.45 0.95536 0.00064	15.70 0.98296 0.00065
12.90 0.97830 0.00073	13.50 0.95632 0.00066	15.80 0.98603 0.00065
12.95 0.98099 0.00068	13.55 0.95887 0.00067	15.90 0.98863 0.00064
13.00 0.98290 0.00068	13.60 0.96150 0.00066	16.00 0.99289 0.00064
13.05 0.98531 0.00068	13.65 0.96336 0.00065	16.10 0.99559 0.00064
13.10 0.98751 0.00071	13.70 0.96501 0.00067	16.20 0.99766 0.00067
13.15 0.99055 0.00070	13.75 0.96659 0.00067	16.30 1.00084 0.00066
13.20 0.99287 0.00067	13.80 0.96971 0.00067	16.40 1.00592 0.00062
13.25 0.99426 0.00067	13.85 0.97270 0.00064	16.50 1.00773 0.00064

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13.30	0.99667	0.00068	13.90	0.97450	0.00068
13.35	0.99944	0.00066	13.95	0.97562	0.00068
13.40	1.00052	0.00070	14.00	0.97805	0.00066
13.45	1.00388	0.00066	14.05	0.98095	0.00065
13.50	1.00497	0.00071	14.10	0.98293	0.00065
			14.15	0.98487	0.00069
			14.20	0.98645	0.00068
			14.25	0.98860	0.00064
			14.30	0.99198	0.00067
			14.35	0.99323	0.00066
			14.40	0.99511	0.00069
			14.45	0.99623	0.00065
			14.50	0.99935	0.00069
			14.55	1.00059	0.00070
			14.60	1.00419	0.00066
			14.65	1.00440	0.00066
			14.70	1.00660	0.00065
			14.75	1.00798	0.00066
			14.80	1.01023	0.00066
			14.85	1.01268	0.00067
			14.90	1.01500	0.00065
			14.95	1.01554	0.00070
			15.00	1.01699	0.00067

6000	7000	7500						
16.40	0.93969	0.00061	18.00	0.91254	0.00059	21.00	0.94085	0.00055
16.50	0.94332	0.00061	18.25	0.91937	0.00057	21.20	0.94351	0.00054
16.60	0.94501	0.00061	18.50	0.92609	0.00058	21.40	0.94852	0.00056
16.70	0.94844	0.00060	18.75	0.92995	0.00059	21.60	0.95135	0.00057
16.80	0.95171	0.00062	19.00	0.93787	0.00058	21.80	0.95473	0.00054
16.90	0.95420	0.00061	19.25	0.94233	0.00055	22.00	0.95892	0.00053
17.00	0.95771	0.00061	19.50	0.94803	0.00055	22.20	0.96159	0.00055
17.10	0.96009	0.00058	19.75	0.95317	0.00058	22.40	0.96553	0.00052
17.20	0.96354	0.00062	20.00	0.95793	0.00058	22.60	0.96818	0.00056
17.30	0.96631	0.00060	20.25	0.96313	0.00056	22.80	0.97227	0.00054
17.40	0.96812	0.00059	20.50	0.96918	0.00057	23.00	0.97474	0.00055
17.50	0.97067	0.00059	20.75	0.97319	0.00056	23.20	0.97730	0.00054
17.60	0.97472	0.00061	21.00	0.97944	0.00057	23.40	0.97992	0.00053
17.70	0.97694	0.00060	21.25	0.98254	0.00055	23.60	0.98389	0.00055
17.80	0.97924	0.00062	21.50	0.98777	0.00057	23.80	0.98675	0.00053
17.90	0.98216	0.00062	21.75	0.99299	0.00058	24.00	0.98975	0.00056
18.00	0.98576	0.00062	22.00	0.99804	0.00058	24.20	0.99173	0.00055
18.10	0.98721	0.00058	22.25	1.00072	0.00054	24.40	0.99431	0.00054
18.20	0.98924	0.00062	22.50	1.00485	0.00058	24.60	0.99794	0.00054
18.30	0.99200	0.00062	22.75	1.00835	0.00056	24.80	1.00056	0.00057
18.40	0.99374	0.00060	23.00	1.01191	0.00058	25.00	1.00322	0.00055
18.50	0.99828	0.00060	23.25	1.01631	0.00058	25.20	1.00608	0.00054
18.60	1.00013	0.00063	23.50	1.02063	0.00057			
18.70	1.00169	0.00061	23.75	1.02481	0.00057			
18.80	1.00402	0.00060	24.00	1.02679	0.00056			

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8000	9000	10000
22.00 0.91978 0.00052	29.00 0.92978 0.00044	999.98 1.02502 0.00035
22.25 0.92422 0.00050	29.75 0.93633 0.00047	999.99 1.02502 0.00035
22.50 0.92914 0.00055	30.50 0.94197 0.00046	
22.75 0.93242 0.00051	31.25 0.94761 0.00046	
23.00 0.93608 0.00052	32.00 0.95343 0.00047	
23.25 0.94032 0.00054	32.75 0.95941 0.00046	
23.50 0.94518 0.00052	33.50 0.96445 0.00045	
23.75 0.94664 0.00052	34.25 0.96972 0.00044	
24.00 0.95097 0.00053	35.00 0.97419 0.00046	
24.25 0.95414 0.00051	35.75 0.97785 0.00046	
24.50 0.95784 0.00053	36.50 0.98234 0.00046	
24.75 0.96169 0.00053	37.25 0.98649 0.00046	
25.00 0.96444 0.00051	38.00 0.98983 0.00045	
25.25 0.96750 0.00053	38.75 0.99361 0.00045	
25.50 0.96994 0.00052	39.50 0.99708 0.00046	
25.75 0.97458 0.00050	40.25 1.00042 0.00046	
26.00 0.97859 0.00054	41.00 1.00345 0.00046	
26.25 0.97977 0.00052	41.75 1.00651 0.00044	
26.50 0.98273 0.00052	42.50 1.00887 0.00045	
26.75 0.98528 0.00052	43.25 1.01135 0.00045	
27.00 0.98733 0.00052	44.00 1.01406 0.00044	
27.25 0.99004 0.00051		
27.50 0.99350 0.00051		
27.75 0.99623 0.00050		
28.00 0.99905 0.00051		
28.25 1.00078 0.00052		
28.50 1.00282 0.00052		
28.75 1.00568 0.00051		
29.00 1.00673 0.00052		
29.25 1.00950 0.00052		
29.50 1.01147 0.00052		
29.75 1.01447 0.00052		
30.00 1.01630 0.00052		
30.25 1.01960 0.00053		
30.50 1.01989 0.00051		
30.75 1.02235 0.00052		
31.00 1.02347 0.00053		
31.25 1.02600 0.00049		
31.50 1.02868 0.00052		
31.75 1.03104 0.00051		
32.00 1.03191 0.00053		

## sumtable.u5o2-icyl-0060-01

20	25	30
999.98 0.15474 0.00004	999.98 0.18932 0.00005	999.98 0.22256 0.00006
999.99 0.15474 0.00004	999.99 0.18932 0.00005	999.99 0.22256 0.00006
40	45	50
999.98 0.28508 0.00007	999.98 0.31453 0.00007	999.98 0.34297 0.00008
999.99 0.28508 0.00007	999.99 0.31453 0.00007	999.99 0.34297 0.00008
55	60	65
999.98 0.37024 0.00009	999.98 0.39674 0.00009	999.98 0.42225 0.00010
999.99 0.37024 0.00009	999.99 0.39674 0.00009	999.99 0.42225 0.00010

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70			80			100		
999.98	0.44673	0.00010	999.98	0.49294	0.00011	999.98	0.57733	0.00013
999.99	0.44673	0.00010	999.99	0.49294	0.00011	999.99	0.57733	0.00013
130			150			170		
999.98	0.68526	0.00016	999.98	0.74705	0.00016	999.93	0.80237	0.00016
999.99	0.68526	0.00016	999.99	0.74705	0.00016	999.95	0.80237	0.00016
						999.97	0.80237	0.00016
						999.99	0.80237	0.00016
200			350			400		
999.98	0.87504	0.00018	19.00	0.92318	0.00039	17.20	0.93742	0.00042
999.99	0.87504	0.00018	19.50	0.93137	0.00040	17.40	0.94091	0.00041
			20.00	0.93810	0.00040	17.60	0.94558	0.00041
			20.50	0.94327	0.00041	17.80	0.94806	0.00040
			21.00	0.95000	0.00039	18.00	0.95251	0.00039
			21.50	0.95503	0.00039	18.20	0.95604	0.00040
			22.00	0.96104	0.00041	18.40	0.95850	0.00041
			22.50	0.96644	0.00038	18.60	0.96190	0.00041
			23.00	0.97180	0.00036	18.80	0.96592	0.00042
			23.50	0.97569	0.00038	19.00	0.96837	0.00040
			24.00	0.98110	0.00037	19.20	0.97086	0.00040
			24.50	0.98497	0.00038	19.40	0.97435	0.00039
			25.00	0.98947	0.00038	19.60	0.97752	0.00040
			25.50	0.99381	0.00039	19.80	0.98053	0.00040
			26.00	0.99609	0.00035	20.00	0.98387	0.00040
			26.50	1.00113	0.00036	20.20	0.98668	0.00041
			27.00	1.00483	0.00034	20.40	0.98878	0.00040
			27.50	1.00913	0.00035	20.60	0.99170	0.00040
			28.00	1.01086	0.00036	20.80	0.99429	0.00039
			28.50	1.01442	0.00035	21.00	0.99750	0.00039
			29.00	1.01776	0.00035	21.20	0.99904	0.00040
			29.50	1.01993	0.00036	21.40	1.00163	0.00039
			30.00	1.02254	0.00035	21.60	1.00365	0.00039
500			650			800		
13.00	0.89701	0.00050	12.30	0.93565	0.00053	11.00	0.92060	0.00055
13.25	0.90451	0.00051	12.40	0.93948	0.00050	11.10	0.92385	0.00056
13.50	0.91185	0.00051	12.50	0.94168	0.00050	11.20	0.92867	0.00057
13.75	0.92086	0.00049	12.60	0.94791	0.00051	11.30	0.93510	0.00058
14.00	0.92894	0.00048	12.70	0.94995	0.00050	11.40	0.93870	0.00058
14.25	0.93567	0.00049	12.80	0.95413	0.00051	11.50	0.94432	0.00057
14.50	0.94214	0.00048	12.90	0.95755	0.00049	11.60	0.94818	0.00056
14.75	0.94938	0.00050	13.00	0.96165	0.00052	11.70	0.95116	0.00059
15.00	0.95711	0.00050	13.10	0.96466	0.00052	11.80	0.95633	0.00057
15.25	0.96230	0.00051	13.20	0.96899	0.00051	11.90	0.96035	0.00056
15.50	0.96925	0.00049	13.30	0.97213	0.00050	12.00	0.96523	0.00057
15.75	0.97588	0.00048	13.40	0.97627	0.00052	12.10	0.96932	0.00055
16.00	0.98132	0.00049	13.50	0.97904	0.00052	12.20	0.97426	0.00056
16.25	0.98653	0.00046	13.60	0.98192	0.00053	12.30	0.97782	0.00056
16.50	0.99234	0.00048	13.70	0.98530	0.00050	12.40	0.98151	0.00057
16.75	0.99741	0.00048	13.80	0.98905	0.00051	12.50	0.98552	0.00055
17.00	1.00187	0.00046	13.90	0.99217	0.00052	12.60	0.98833	0.00057
17.25	1.00830	0.00048	14.00	0.99393	0.00051	12.70	0.99416	0.00056
17.50	1.01262	0.00047	14.10	0.99744	0.00050	12.80	0.99661	0.00058
17.75	1.01781	0.00048	14.20	1.00153	0.00050	12.90	1.00014	0.00057
18.00	1.02193	0.00048	14.30	1.00467	0.00053	13.00	1.00512	0.00056

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900	1000	1200
11.00 0.93903 0.00056	10.40 0.92388 0.00060	10.00 0.92123 0.00059
11.05 0.94165 0.00053	10.45 0.92799 0.00061	10.10 0.92741 0.00058
11.10 0.94394 0.00056	10.50 0.92863 0.00059	10.20 0.93363 0.00059
11.15 0.94610 0.00057	10.55 0.93116 0.00061	10.30 0.93877 0.00060
11.20 0.94962 0.00058	10.60 0.93487 0.00064	10.40 0.94480 0.00059
11.25 0.95029 0.00058	10.65 0.93551 0.00060	10.50 0.95025 0.00058
11.30 0.95442 0.00057	10.70 0.93856 0.00062	10.60 0.95543 0.00058
11.35 0.95727 0.00056	10.75 0.94121 0.00062	10.70 0.96102 0.00060
11.40 0.95937 0.00057	10.80 0.94629 0.00060	10.80 0.96577 0.00061
11.45 0.96108 0.00057	10.85 0.94756 0.00060	10.90 0.97138 0.00061
11.50 0.96349 0.00056	10.90 0.94925 0.00059	11.00 0.97660 0.00059
11.55 0.96518 0.00057	10.95 0.95183 0.00061	11.10 0.98178 0.00059
11.60 0.96718 0.00058	11.00 0.95532 0.00061	11.20 0.98462 0.00057
11.65 0.97022 0.00057	11.05 0.95747 0.00059	11.30 0.99006 0.00058
11.70 0.97295 0.00057	11.10 0.95981 0.00063	11.40 0.99570 0.00058
11.75 0.97454 0.00056	11.15 0.96142 0.00059	11.50 0.99886 0.00060
11.80 0.97562 0.00056	11.20 0.96458 0.00062	11.60 1.00372 0.00061
11.85 0.97827 0.00057	11.25 0.96602 0.00061	11.70 1.00877 0.00059
11.90 0.98122 0.00055	11.30 0.96911 0.00062	11.80 1.01401 0.00059
11.95 0.98370 0.00056	11.35 0.97132 0.00060	11.90 1.01725 0.00061
12.00 0.98570 0.00058	11.40 0.97491 0.00060	12.00 1.02127 0.00061
12.05 0.98772 0.00057	11.45 0.97698 0.00059	
12.10 0.99024 0.00059	11.50 0.97721 0.00059	
12.15 0.99154 0.00055	11.55 0.98143 0.00062	
12.20 0.99275 0.00057	11.60 0.98349 0.00062	
12.25 0.99597 0.00054	11.65 0.98437 0.00061	
12.30 0.99674 0.00055	11.70 0.98792 0.00062	
12.35 0.99938 0.00055	11.75 0.98965 0.00059	
12.40 1.00221 0.00055	11.80 0.99164 0.00060	
	11.85 0.99527 0.00061	
	11.90 0.99596 0.00062	
	11.95 0.99787 0.00060	
	12.00 0.99991 0.00058	
	12.05 1.00344 0.00057	
	12.10 1.00382 0.00057	
	12.15 1.00752 0.00056	
	12.20 1.00964 0.00057	

1500	1700	1900
9.80 0.92668 0.00067	9.60 0.91940 0.00064	9.70 0.92504 0.00067
9.85 0.92838 0.00062	9.65 0.92168 0.00063	9.75 0.92871 0.00066
9.90 0.93168 0.00065	9.70 0.92457 0.00064	9.80 0.93193 0.00064
9.95 0.93549 0.00065	9.75 0.92735 0.00068	9.85 0.93409 0.00067
10.00 0.93897 0.00063	9.80 0.92975 0.00064	9.90 0.93781 0.00067
10.05 0.94082 0.00066	9.85 0.93238 0.00065	9.95 0.94064 0.00067
10.10 0.94381 0.00062	9.90 0.93607 0.00067	10.00 0.94301 0.00065
10.15 0.94678 0.00066	9.95 0.93938 0.00062	10.05 0.94584 0.00065
10.20 0.94990 0.00066	10.00 0.94298 0.00067	10.10 0.94962 0.00066
10.25 0.95160 0.00065	10.05 0.94520 0.00066	10.15 0.95252 0.00070
10.30 0.95388 0.00066	10.10 0.94883 0.00067	10.20 0.95483 0.00068
10.35 0.95752 0.00064	10.15 0.95151 0.00067	10.25 0.95737 0.00067
10.40 0.96101 0.00066	10.20 0.95392 0.00063	10.30 0.96032 0.00067
10.45 0.96357 0.00064	10.25 0.95702 0.00066	10.35 0.96180 0.00066
10.50 0.96597 0.00065	10.30 0.95959 0.00067	10.40 0.96468 0.00068
10.55 0.96869 0.00065	10.35 0.96086 0.00068	10.45 0.96802 0.00064
10.60 0.97175 0.00064	10.40 0.96490 0.00069	10.50 0.97096 0.00065
10.65 0.97527 0.00063	10.45 0.96682 0.00062	10.55 0.97342 0.00065

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10.70	0.97647	0.00061	10.50	0.96970	0.00065	10.60	0.97565	0.00064
10.75	0.97850	0.00067	10.55	0.97230	0.00064	10.65	0.97867	0.00065
10.80	0.98287	0.00064	10.60	0.97744	0.00065	10.70	0.98267	0.00067
10.85	0.98335	0.00064	10.65	0.97767	0.00065	10.75	0.98512	0.00065
10.90	0.98758	0.00063	10.70	0.98148	0.00065	10.80	0.98827	0.00065
10.95	0.98947	0.00065	10.75	0.98352	0.00066	10.85	0.99081	0.00067
11.00	0.99274	0.00063	10.80	0.98484	0.00065	10.90	0.99281	0.00066
11.05	0.99501	0.00068	10.85	0.98989	0.00064	10.95	0.99520	0.00068
11.10	0.99652	0.00063	10.90	0.99103	0.00067	11.00	0.99693	0.00067
11.15	0.99891	0.00064	10.95	0.99475	0.00067	11.05	0.99980	0.00067
11.20	1.00040	0.00066	11.00	0.99629	0.00064	11.10	1.00320	0.00062
11.25	1.00446	0.00065	11.05	0.99953	0.00064	11.15	1.00445	0.00065
11.30	1.00692	0.00065	11.10	1.00185	0.00067	11.20	1.00796	0.00067
11.35	1.00944	0.00062	11.15	1.00270	0.00066	11.25	1.00981	0.00065
11.40	1.01208	0.00064	11.20	1.00571	0.00065	11.30	1.01183	0.00066
11.45	1.01320	0.00064	11.25	1.00838	0.00066	11.35	1.01501	0.00066
11.50	1.01726	0.00063	11.30	1.01119	0.00065	11.40	1.01663	0.00066
11.55	1.01809	0.00063				11.45	1.01997	0.00065
11.60	1.01988	0.00063				11.50	1.02128	0.00067

2000	2100	2500						
9.60	0.91943	0.00068	9.70	0.92442	0.00065	9.80	0.92077	0.00066
9.65	0.92214	0.00067	9.75	0.92761	0.00067	9.90	0.92673	0.00064
9.70	0.92441	0.00066	9.80	0.93031	0.00065	10.00	0.93394	0.00067
9.75	0.92697	0.00067	9.85	0.93326	0.00068	10.10	0.93848	0.00065
9.80	0.93113	0.00067	9.90	0.93616	0.00065	10.20	0.94387	0.00065
9.85	0.93428	0.00068	9.95	0.93813	0.00068	10.30	0.94931	0.00069
9.90	0.93693	0.00065	10.00	0.94138	0.00068	10.40	0.95509	0.00066
9.95	0.93899	0.00063	10.05	0.94495	0.00065	10.50	0.96173	0.00070
10.00	0.94272	0.00066	10.10	0.94750	0.00066	10.60	0.96727	0.00067
10.05	0.94527	0.00066	10.15	0.94951	0.00065	10.70	0.97125	0.00068
10.10	0.94876	0.00064	10.20	0.95210	0.00063	10.80	0.97744	0.00067
10.15	0.95164	0.00065	10.25	0.95604	0.00066	10.90	0.98221	0.00065
10.20	0.95453	0.00067	10.30	0.95927	0.00066	11.00	0.98706	0.00066
10.25	0.95719	0.00064	10.35	0.96238	0.00067	11.10	0.99173	0.00068
10.30	0.95979	0.00066	10.40	0.96459	0.00069	11.20	0.99821	0.00068
10.35	0.96084	0.00064	10.45	0.96657	0.00064	11.30	1.00238	0.00065
10.40	0.96523	0.00065	10.50	0.97082	0.00065	11.40	1.00629	0.00068
10.45	0.96790	0.00067	10.55	0.97101	0.00066	11.50	1.01149	0.00068
10.50	0.97072	0.00063	10.60	0.97487	0.00066	11.60	1.01596	0.00067
10.55	0.97300	0.00067	10.65	0.97745	0.00067	11.70	1.02092	0.00067
10.60	0.97595	0.00065	10.70	0.98030	0.00066	11.80	1.02571	0.00065
10.65	0.97941	0.00066	10.75	0.98237	0.00066	11.90	1.03049	0.00066
10.70	0.98021	0.00067	10.80	0.98518	0.00064	12.00	1.03439	0.00065
10.75	0.98493	0.00067	10.85	0.98808	0.00065			
10.80	0.98606	0.00067	10.90	0.98973	0.00066			
10.85	0.98972	0.00066	10.95	0.99402	0.00066			
10.90	0.99100	0.00064	11.00	0.99417	0.00069			
10.95	0.99509	0.00062	11.05	0.99888	0.00064			
11.00	0.99625	0.00067	11.10	1.00010	0.00063			
11.05	0.99974	0.00066	11.15	1.00276	0.00065			
11.10	1.00316	0.00065	11.20	1.00584	0.00066			
11.15	1.00268	0.00064	11.25	1.00740	0.00067			
11.20	1.00695	0.00066	11.30	1.01060	0.00067			
11.25	1.00997	0.00066	11.35	1.01443	0.00066			
11.30	1.01329	0.00066	11.40	1.01610	0.00067			

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3000	4000	5000
10.00 0.91694 0.00069	11.00 0.92506 0.00063	12.00 0.91540 0.00063
10.10 0.92252 0.00065	11.10 0.92946 0.00066	12.10 0.91948 0.00065
10.20 0.92709 0.00067	11.20 0.93457 0.00067	12.20 0.92329 0.00067
10.30 0.93358 0.00068	11.30 0.93963 0.00066	12.30 0.92786 0.00063
10.40 0.93945 0.00065	11.40 0.94534 0.00067	12.40 0.93115 0.00063
10.50 0.94424 0.00066	11.50 0.94911 0.00068	12.50 0.93458 0.00063
10.60 0.95003 0.00066	11.60 0.95213 0.00066	12.60 0.93855 0.00065
10.70 0.95549 0.00065	11.70 0.95774 0.00066	12.70 0.94325 0.00065
10.80 0.96041 0.00069	11.80 0.96163 0.00067	12.80 0.94649 0.00064
10.90 0.96482 0.00066	11.90 0.96604 0.00067	12.90 0.94999 0.00063
11.00 0.97073 0.00066	12.00 0.96966 0.00067	13.00 0.95418 0.00066
11.10 0.97561 0.00067	12.10 0.97508 0.00065	13.10 0.95731 0.00063
11.20 0.98039 0.00065	12.20 0.97830 0.00064	13.20 0.96226 0.00065
11.30 0.98530 0.00066	12.30 0.98373 0.00067	13.30 0.96483 0.00064
11.40 0.99004 0.00067	12.40 0.98763 0.00064	13.40 0.96840 0.00062
11.50 0.99463 0.00065	12.50 0.99160 0.00066	13.50 0.97173 0.00063
11.60 0.99916 0.00067	12.60 0.99486 0.00067	13.60 0.97610 0.00064
11.70 1.00387 0.00068	12.70 1.00022 0.00068	13.70 0.97956 0.00064
11.80 1.00696 0.00067	12.80 1.00148 0.00063	13.80 0.98331 0.00065
11.90 1.01317 0.00066	12.90 1.00698 0.00068	13.90 0.98596 0.00063
12.00 1.01735 0.00069	13.00 1.01068 0.00065	14.00 0.98862 0.00065
12.10 1.02227 0.00069	13.10 1.01651 0.00066	14.10 0.99346 0.00068
	13.20 1.01994 0.00070	14.20 0.99593 0.00063
	13.30 1.02149 0.00063	14.30 0.99944 0.00063
		14.40 1.00233 0.00063
		14.50 1.00451 0.00063

6000	7000	7500
14.40 0.93873 0.00064	16.00 0.91452 0.00059	18.00 0.92388 0.00054
14.50 0.94202 0.00062	16.25 0.92110 0.00059	18.25 0.92771 0.00056
14.60 0.94440 0.00061	16.50 0.92763 0.00057	18.50 0.93317 0.00053
14.70 0.94662 0.00061	16.75 0.93414 0.00057	18.75 0.93917 0.00056
14.80 0.94966 0.00061	17.00 0.94003 0.00057	19.00 0.94319 0.00057
14.90 0.95311 0.00064	17.25 0.94368 0.00059	19.25 0.94800 0.00054
15.00 0.95593 0.00062	17.50 0.94985 0.00057	19.50 0.95281 0.00057
15.10 0.95921 0.00060	17.75 0.95606 0.00056	19.75 0.95735 0.00056
15.20 0.96265 0.00061	18.00 0.96025 0.00059	20.00 0.96091 0.00057
15.30 0.96553 0.00061	18.25 0.96508 0.00058	20.25 0.96626 0.00060
15.40 0.96812 0.00060	18.50 0.96972 0.00058	20.50 0.96887 0.00055
15.50 0.96973 0.00063	18.75 0.97445 0.00061	20.75 0.97213 0.00054
15.60 0.97359 0.00061	19.00 0.98086 0.00060	21.00 0.97615 0.00054
15.70 0.97471 0.00063	19.25 0.98439 0.00059	21.25 0.98071 0.00055
15.80 0.97692 0.00062	19.50 0.98857 0.00059	21.50 0.98376 0.00055
15.90 0.98128 0.00060	19.75 0.99353 0.00054	21.75 0.98819 0.00055
16.00 0.98356 0.00062	20.00 0.99664 0.00056	22.00 0.99171 0.00053
16.10 0.98728 0.00063	20.25 1.00226 0.00057	22.25 0.99427 0.00055
16.20 0.98812 0.00060	20.50 1.00528 0.00061	22.50 0.99902 0.00056
16.30 0.99046 0.00059	20.75 1.01053 0.00057	22.75 1.00032 0.00057
16.40 0.99395 0.00062	21.00 1.01282 0.00056	23.00 1.00514 0.00057
16.50 0.99627 0.00060	21.25 1.01631 0.00057	23.25 1.00731 0.00055
16.60 0.99879 0.00061	21.50 1.02038 0.00059	23.50 1.01050 0.00056
16.70 1.00049 0.00061	21.75 1.02399 0.00057	23.75 1.01347 0.00054
16.80 1.00396 0.00061	22.00 1.02680 0.00057	24.00 1.01596 0.00057

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8000	9000	10000
20.00 0.92219 0.00055	27.50 0.93671 0.00048	999.98 1.02502 0.00035
20.25 0.92769 0.00052	28.00 0.94088 0.00050	999.99 1.02502 0.00035
20.50 0.93139 0.00053	28.50 0.94547 0.00049	
20.75 0.93483 0.00055	29.00 0.94856 0.00047	
21.00 0.93933 0.00054	29.50 0.95276 0.00050	
21.25 0.94382 0.00054	30.00 0.95619 0.00048	
21.50 0.94785 0.00055	30.50 0.95990 0.00048	
21.75 0.95070 0.00054	31.00 0.96352 0.00049	
22.00 0.95403 0.00052	31.50 0.96656 0.00047	
22.25 0.95806 0.00053	32.00 0.97003 0.00049	
22.50 0.96060 0.00053	32.50 0.97328 0.00046	
22.75 0.96301 0.00053	33.00 0.97598 0.00046	
23.00 0.96689 0.00056	33.50 0.97841 0.00045	
23.25 0.96931 0.00052	34.00 0.98106 0.00047	
23.50 0.97220 0.00053	34.50 0.98395 0.00046	
23.75 0.97613 0.00051	35.00 0.98634 0.00046	
24.00 0.97913 0.00053	35.50 0.98895 0.00045	
24.25 0.98132 0.00053	36.00 0.99245 0.00047	
24.50 0.98423 0.00051	36.50 0.99384 0.00047	
24.75 0.98760 0.00055	37.00 0.99598 0.00045	
25.00 0.99079 0.00054	37.50 0.99896 0.00046	
25.25 0.99237 0.00053	38.00 1.00072 0.00045	
25.50 0.99589 0.00054	38.50 1.00306 0.00049	
25.75 0.99878 0.00054		
26.00 1.00068 0.00051		
26.25 1.00217 0.00056		
26.50 1.00359 0.00051		
26.75 1.00760 0.00054		
27.00 1.00836 0.00050		

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20	25	30
999.98 0.15474 0.00004	999.98 0.18932 0.00005	999.98 0.22256 0.00006
999.99 0.15474 0.00004	999.99 0.18932 0.00005	999.99 0.22256 0.00006
40	45	50
999.98 0.28508 0.00007	999.98 0.31453 0.00007	999.98 0.34297 0.00008
999.99 0.28508 0.00007	999.99 0.31453 0.00007	999.99 0.34297 0.00008
55	60	65
999.98 0.37024 0.00009	999.98 0.39674 0.00009	999.98 0.42225 0.00010
999.99 0.37024 0.00009	999.99 0.39674 0.00009	999.99 0.42225 0.00010
70	80	100
999.98 0.44673 0.00010	999.98 0.49294 0.00011	999.98 0.57733 0.00013
999.99 0.44673 0.00010	999.99 0.49294 0.00011	999.99 0.57733 0.00013
130	150	170
999.98 0.68526 0.00016	999.98 0.74705 0.00016	999.98 0.80237 0.00016
999.99 0.68526 0.00016	999.99 0.74705 0.00016	999.99 0.80237 0.00016

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200	350	400
999.98 0.87504 0.00018	19.00 0.93926 0.00037	16.00 0.93755 0.00039
999.99 0.87504 0.00018	19.25 0.94259 0.00038	16.20 0.94111 0.00039
	19.50 0.94604 0.00038	16.40 0.94496 0.00041
	19.75 0.94878 0.00037	16.60 0.94759 0.00039
	20.00 0.95209 0.00038	16.80 0.95147 0.00039
	20.25 0.95367 0.00039	17.00 0.95485 0.00039
	20.50 0.95722 0.00038	17.20 0.95862 0.00039
	20.75 0.96039 0.00038	17.40 0.96214 0.00038
	21.00 0.96334 0.00037	17.60 0.96623 0.00039
	21.25 0.96488 0.00038	17.80 0.96836 0.00038
	21.50 0.96862 0.00037	18.00 0.97203 0.00039
	21.75 0.96978 0.00036	18.20 0.97450 0.00039
	22.00 0.97395 0.00034	18.40 0.97740 0.00039
	22.25 0.97475 0.00036	18.60 0.98059 0.00038
	22.50 0.97829 0.00036	18.80 0.98284 0.00039
	22.75 0.98056 0.00036	19.00 0.98625 0.00038
	23.00 0.98257 0.00036	19.20 0.98884 0.00037
	23.25 0.98480 0.00037	19.40 0.99176 0.00037
	23.50 0.98736 0.00036	19.60 0.99423 0.00038
	23.75 0.98964 0.00036	19.80 0.99663 0.00038
	24.00 0.99188 0.00037	20.00 0.99948 0.00037
	24.25 0.99235 0.00037	20.20 1.00083 0.00038
	24.50 0.99525 0.00034	20.40 1.00458 0.00037
	24.75 0.99711 0.00035	20.60 1.00637 0.00038
	25.00 0.99846 0.00035	20.80 1.00822 0.00037
	25.25 1.00062 0.00033	21.00 1.01124 0.00036
	25.50 1.00334 0.00036	

500	650	800
12.00 0.90325 0.00047	11.00 0.93253 0.00049	9.80 0.92525 0.00055
12.20 0.91044 0.00045	11.10 0.93759 0.00048	9.90 0.92925 0.00054
12.40 0.91602 0.00047	11.20 0.94303 0.00048	10.00 0.93419 0.00054
12.60 0.92268 0.00046	11.30 0.94331 0.00047	10.10 0.93831 0.00054
12.80 0.92867 0.00047	11.40 0.94869 0.00049	10.20 0.94391 0.00052
13.00 0.93449 0.00047	11.50 0.95198 0.00047	10.30 0.94834 0.00055
13.20 0.94168 0.00046	11.60 0.95655 0.00048	10.40 0.95279 0.00055
13.40 0.94646 0.00049	11.70 0.95949 0.00048	10.50 0.95643 0.00050
13.60 0.95039 0.00045	11.80 0.96364 0.00048	10.60 0.96112 0.00054
13.80 0.95606 0.00045	11.90 0.96637 0.00049	10.70 0.96374 0.00055
14.00 0.96156 0.00046	12.00 0.97028 0.00048	10.80 0.96897 0.00054
14.20 0.96634 0.00046	12.10 0.97360 0.00049	10.90 0.97376 0.00054
14.40 0.97162 0.00045	12.20 0.97798 0.00049	11.00 0.97678 0.00054
14.60 0.97656 0.00046	12.30 0.98004 0.00048	11.10 0.98163 0.00053
14.80 0.98147 0.00045	12.40 0.98400 0.00048	11.20 0.98462 0.00053
15.00 0.98573 0.00044	12.50 0.98729 0.00046	11.30 0.98888 0.00053
15.20 0.99054 0.00046	12.60 0.99061 0.00048	11.40 0.99360 0.00051
15.40 0.99430 0.00046	12.70 0.99432 0.00047	11.50 0.99702 0.00054
15.60 0.99874 0.00042	12.80 0.99672 0.00048	11.60 1.00053 0.00053
15.80 1.00306 0.00044	12.90 0.99970 0.00047	11.70 1.00422 0.00053
16.00 1.00637 0.00045	13.00 1.00380 0.00047	11.80 1.00854 0.00053
16.20 1.01140 0.00048		11.90 1.01140 0.00053
16.40 1.01437 0.00045		12.00 1.01661 0.00054
16.60 1.01922 0.00044		12.10 1.01862 0.00052
16.80 1.02240 0.00043		12.20 1.02192 0.00053
17.00 1.02701 0.00044		

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900	1000	1200
9.50 0.93001 0.00055	9.00 0.91953 0.00057	8.80 0.93192 0.00055
9.60 0.93512 0.00053	9.05 0.92275 0.00058	8.85 0.93532 0.00056
9.70 0.94023 0.00051	9.10 0.92632 0.00055	8.90 0.93796 0.00056
9.80 0.94429 0.00051	9.15 0.92807 0.00058	8.95 0.93985 0.00054
9.90 0.94918 0.00052	9.20 0.93070 0.00055	9.00 0.94337 0.00056
10.00 0.95401 0.00052	9.25 0.93279 0.00055	9.05 0.94617 0.00053
10.10 0.96046 0.00053	9.30 0.93681 0.00056	9.10 0.94832 0.00054
10.20 0.96453 0.00052	9.35 0.93851 0.00057	9.15 0.95161 0.00054
10.30 0.96919 0.00054	9.40 0.94042 0.00055	9.20 0.95372 0.00055
10.40 0.97284 0.00054	9.45 0.94351 0.00057	9.25 0.95685 0.00055
10.50 0.97739 0.00053	9.50 0.94692 0.00057	9.30 0.95881 0.00055
10.60 0.98106 0.00053	9.55 0.94888 0.00059	9.35 0.96338 0.00055
10.70 0.98534 0.00052	9.60 0.95140 0.00058	9.40 0.96577 0.00056
10.80 0.99114 0.00054	9.65 0.95376 0.00058	9.45 0.96855 0.00056
10.90 0.99485 0.00051	9.70 0.95711 0.00057	9.50 0.97084 0.00055
11.00 0.99828 0.00053	9.75 0.95842 0.00057	9.55 0.97215 0.00055
11.10 1.00195 0.00052	9.80 0.96249 0.00055	9.60 0.97383 0.00055
11.20 1.00645 0.00054	9.85 0.96389 0.00056	9.65 0.97794 0.00056
11.30 1.01165 0.00050	9.90 0.96632 0.00053	9.70 0.98034 0.00056
11.40 1.01465 0.00051	9.95 0.96855 0.00054	9.75 0.98336 0.00053
11.50 1.01821 0.00051	10.00 0.97180 0.00056	9.80 0.98483 0.00055
11.60 1.02225 0.00050	10.05 0.97346 0.00057	9.85 0.98747 0.00055
11.70 1.02745 0.00052	10.10 0.97492 0.00056	9.90 0.98957 0.00055
11.80 1.02892 0.00054	10.15 0.97858 0.00056	9.95 0.99174 0.00055
11.90 1.03350 0.00051	10.20 0.98134 0.00058	10.00 0.99477 0.00054
12.00 1.03677 0.00052	10.25 0.98135 0.00055	10.05 0.99775 0.00055
12.10 1.03951 0.00052	10.30 0.98596 0.00057	10.10 0.99905 0.00056
12.20 1.04359 0.00052	10.35 0.98705 0.00057	10.15 1.00162 0.00053
12.30 1.04754 0.00051	10.40 0.98933 0.00056	10.20 1.00546 0.00055
12.40 1.05148 0.00050	10.45 0.99174 0.00057	
12.50 1.05416 0.00051	10.50 0.99418 0.00057	
	10.55 0.99635 0.00056	
	10.60 0.99811 0.00057	
	10.65 1.00101 0.00056	
	10.70 1.00245 0.00055	
	10.75 1.00598 0.00057	
	10.80 1.00676 0.00057	
	10.85 1.00976 0.00058	
	10.90 1.01085 0.00056	
	10.95 1.01412 0.00057	
	11.00 1.01608 0.00059	

1500	1700	1900
8.00 0.90530 0.00062	8.00 0.91032 0.00061	8.00 0.91458 0.00061
8.05 0.90764 0.00060	8.05 0.91548 0.00063	8.05 0.91767 0.00062
8.10 0.91051 0.00058	8.10 0.91896 0.00062	8.10 0.92131 0.00062
8.15 0.91432 0.00060	8.15 0.92131 0.00061	8.15 0.92424 0.00063
8.20 0.91625 0.00058	8.20 0.92429 0.00058	8.20 0.92886 0.00058
8.25 0.92100 0.00062	8.25 0.92695 0.00058	8.25 0.93037 0.00062
8.30 0.92312 0.00059	8.30 0.92895 0.00059	8.30 0.93428 0.00060
8.35 0.92709 0.00061	8.35 0.93348 0.00061	8.35 0.93684 0.00059
8.40 0.92984 0.00062	8.40 0.93581 0.00059	8.40 0.94042 0.00061
8.45 0.93285 0.00060	8.45 0.94025 0.00061	8.45 0.94270 0.00061
8.50 0.93509 0.00060	8.50 0.94262 0.00061	8.50 0.94543 0.00064
8.55 0.93812 0.00060	8.55 0.94443 0.00062	8.55 0.94961 0.00058
8.60 0.94032 0.00058	8.60 0.94768 0.00063	8.60 0.95178 0.00060
8.65 0.94422 0.00061	8.65 0.95193 0.00060	8.65 0.95513 0.00064

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8.70	0.94709	0.00060	8.70	0.95278	0.00061	8.70	0.95779	0.00061
8.75	0.95097	0.00061	8.75	0.95699	0.00064	8.75	0.96144	0.00060
8.80	0.95257	0.00060	8.80	0.95990	0.00062	8.80	0.96359	0.00061
8.85	0.95508	0.00059	8.85	0.96188	0.00059	8.85	0.96524	0.00062
8.90	0.95843	0.00061	8.90	0.96544	0.00063	8.90	0.96805	0.00062
8.95	0.96097	0.00060	8.95	0.96859	0.00061	8.95	0.97241	0.00063
9.00	0.96372	0.00059	9.00	0.97072	0.00063	9.00	0.97353	0.00063
9.05	0.96658	0.00060	9.05	0.97343	0.00058	9.05	0.97676	0.00061
9.10	0.96932	0.00058	9.10	0.97618	0.00058	9.10	0.97856	0.00061
9.15	0.97197	0.00060	9.15	0.97668	0.00060	9.15	0.98134	0.00062
9.20	0.97443	0.00061	9.20	0.98117	0.00062	9.20	0.98508	0.00062
9.25	0.97583	0.00061	9.25	0.98440	0.00062	9.25	0.98724	0.00063
9.30	0.97965	0.00061	9.30	0.98639	0.00061	9.30	0.99036	0.00063
9.35	0.98228	0.00060	9.35	0.98996	0.00061	9.35	0.99215	0.00060
9.40	0.98442	0.00058	9.40	0.99242	0.00060	9.40	0.99422	0.00060
9.45	0.98717	0.00059	9.45	0.99511	0.00062	9.45	0.99781	0.00061
9.50	0.99059	0.00058	9.50	0.99793	0.00060	9.50	1.00020	0.00062
9.55	0.99317	0.00061	9.55	0.99969	0.00059	9.55	1.00287	0.00059
9.60	0.99576	0.00061	9.60	1.00204	0.00059	9.60	1.00562	0.00063
9.65	0.99887	0.00059	9.65	1.00404	0.00063	9.65	1.00783	0.00062
9.70	1.00152	0.00061	9.70	1.00740	0.00063	9.70	1.01103	0.00059
9.75	1.00326	0.00059				9.75	1.01267	0.00059
9.80	1.00514	0.00060				9.80	1.01562	0.00063
9.85	1.00784	0.00060				9.85	1.01862	0.00060
9.90	1.00994	0.00061				9.90	1.02029	0.00062
9.95	1.01267	0.00059				9.95	1.02259	0.00061
10.00	1.01552	0.00059				10.00	1.02571	0.00060
10.05	1.01776	0.00061						
10.10	1.01962	0.00061						

2000	2100	2500						
8.00	0.91563	0.00060	8.00	0.91633	0.00061	8.00	0.91476	0.00064
8.05	0.92016	0.00061	8.05	0.92061	0.00061	8.10	0.92072	0.00060
8.10	0.92296	0.00062	8.10	0.92397	0.00063	8.20	0.92574	0.00061
8.15	0.92471	0.00063	8.15	0.92459	0.00063	8.30	0.93129	0.00060
8.20	0.92837	0.00059	8.20	0.92794	0.00062	8.40	0.93823	0.00063
8.25	0.93176	0.00061	8.25	0.93206	0.00063	8.50	0.94404	0.00061
8.30	0.93500	0.00060	8.30	0.93651	0.00060	8.60	0.94989	0.00061
8.35	0.93816	0.00061	8.35	0.93856	0.00061	8.70	0.95549	0.00059
8.40	0.94111	0.00061	8.40	0.94168	0.00061	8.80	0.96166	0.00062
8.45	0.94385	0.00059	8.45	0.94431	0.00061	8.90	0.96640	0.00062
8.50	0.94745	0.00060	8.50	0.94806	0.00062	9.00	0.97263	0.00061
8.55	0.94982	0.00062	8.55	0.94943	0.00061	9.10	0.97625	0.00063
8.60	0.95314	0.00063	8.60	0.95351	0.00060	9.20	0.98176	0.00061
8.65	0.95508	0.00061	8.65	0.95630	0.00063	9.30	0.98732	0.00062
8.70	0.95751	0.00059	8.70	0.95763	0.00059	9.40	0.99290	0.00060
8.75	0.96092	0.00060	8.75	0.96179	0.00063	9.50	0.99809	0.00063
8.80	0.96390	0.00062	8.80	0.96426	0.00062	9.60	1.00227	0.00064
8.85	0.96586	0.00060	8.85	0.96782	0.00062	9.70	1.00764	0.00062
8.90	0.96977	0.00063	8.90	0.96920	0.00064	9.80	1.01205	0.00061
8.95	0.97191	0.00063	8.95	0.97362	0.00059	9.90	1.01601	0.00062
9.00	0.97526	0.00064	9.00	0.97394	0.00061	10.00	1.02161	0.00061
9.05	0.97746	0.00062	9.05	0.97676	0.00060	10.10	1.02538	0.00062
9.10	0.98039	0.00058	9.10	0.98185	0.00063	10.20	1.03072	0.00064
9.15	0.98283	0.00060	9.15	0.98266	0.00062	10.30	1.03555	0.00062
9.20	0.98476	0.00063	9.20	0.98502	0.00063	10.40	1.03945	0.00065
9.25	0.98812	0.00061	9.25	0.98798	0.00063	10.50	1.04391	0.00063
9.30	0.99108	0.00063	9.30	0.99110	0.00061	10.60	1.04900	0.00062

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9.35 0.99367 0.00060	9.35 0.99519 0.00061	10.70 1.05265 0.00066
9.40 0.99628 0.00063	9.40 0.99550 0.00060	10.80 1.05647 0.00061
9.45 0.99908 0.00062	9.45 0.99836 0.00062	10.90 1.06112 0.00060
9.50 1.00223 0.00063	9.50 1.00193 0.00062	11.00 1.06597 0.00063
	9.55 1.00436 0.00061	
	9.60 1.00581 0.00061	
	9.65 1.00843 0.00060	
	9.70 1.01216 0.00061	
	9.75 1.01305 0.00061	
	9.80 1.01661 0.00064	
	9.85 1.01863 0.00061	
	9.90 1.02064 0.00062	
	9.95 1.02370 0.00061	
	10.00 1.02627 0.00061	

3000	4000	5000
8.40 0.92862 0.00062	9.00 0.92843 0.00060	10.20 0.93811 0.00060
8.45 0.93133 0.00063	9.10 0.93216 0.00061	10.30 0.94226 0.00059
8.50 0.93339 0.00064	9.20 0.93831 0.00061	10.40 0.94637 0.00059
8.55 0.93742 0.00062	9.30 0.94210 0.00062	10.50 0.94758 0.00060
8.60 0.93848 0.00062	9.40 0.94640 0.00064	10.60 0.95322 0.00064
8.65 0.94190 0.00061	9.50 0.95272 0.00063	10.70 0.95745 0.00061
8.70 0.94427 0.00063	9.60 0.95579 0.00060	10.80 0.96037 0.00060
8.75 0.94801 0.00062	9.70 0.96070 0.00062	10.90 0.96342 0.00061
8.80 0.95021 0.00062	9.80 0.96538 0.00062	11.00 0.96679 0.00060
8.85 0.95179 0.00062	9.90 0.96884 0.00060	11.10 0.97047 0.00059
8.90 0.95491 0.00064	10.00 0.97340 0.00063	11.20 0.97525 0.00058
8.95 0.95835 0.00062	10.10 0.97878 0.00060	11.30 0.97793 0.00062
9.00 0.96042 0.00063	10.20 0.98146 0.00062	11.40 0.98202 0.00058
9.05 0.96496 0.00062	10.30 0.98644 0.00064	11.50 0.98506 0.00061
9.10 0.96594 0.00061	10.40 0.99092 0.00059	11.60 0.98743 0.00061
9.15 0.96881 0.00064	10.50 0.99423 0.00062	11.70 0.99175 0.00060
9.20 0.97120 0.00065	10.60 0.99871 0.00062	11.80 0.99580 0.00061
9.25 0.97425 0.00062	10.70 1.00270 0.00062	11.90 0.99865 0.00061
9.30 0.97640 0.00061	10.80 1.00575 0.00063	12.00 1.00161 0.00063
9.35 0.97743 0.00062	10.90 1.01010 0.00062	12.10 1.00482 0.00062
9.40 0.98032 0.00062	11.00 1.01419 0.00063	12.20 1.00783 0.00060
9.45 0.98422 0.00061	11.10 1.01644 0.00060	
9.50 0.98608 0.00061	11.20 1.02222 0.00061	
9.55 0.98714 0.00062		
9.60 0.99058 0.00063		
9.65 0.99394 0.00060		
9.70 0.99530 0.00061		
9.75 0.99703 0.00063		
9.80 1.00175 0.00063		
9.85 1.00180 0.00064		
9.90 1.00521 0.00062		
9.95 1.00695 0.00061		
10.00 1.01013 0.00059		
10.05 1.01208 0.00063		
10.10 1.01315 0.00063		
10.15 1.01515 0.00062		
10.20 1.01817 0.00065		
10.25 1.02080 0.00062		
10.30 1.02311 0.00063		

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6000	7000	7500
11.00 0.91734 0.00058	13.00 0.92094 0.00056	15.00 0.93389 0.00053
11.20 0.92548 0.00056	13.20 0.92566 0.00055	15.25 0.94009 0.00054
11.40 0.92950 0.00059	13.40 0.93050 0.00057	15.50 0.94464 0.00054
11.60 0.93738 0.00056	13.60 0.93531 0.00058	15.75 0.94806 0.00054
11.80 0.94366 0.00057	13.80 0.93977 0.00055	16.00 0.95340 0.00055
12.00 0.94864 0.00059	14.00 0.94465 0.00057	16.25 0.95694 0.00053
12.20 0.95542 0.00058	14.20 0.94902 0.00054	16.50 0.96183 0.00052
12.40 0.96094 0.00060	14.40 0.95222 0.00057	16.75 0.96507 0.00053
12.60 0.96694 0.00059	14.60 0.95768 0.00057	17.00 0.96945 0.00053
12.80 0.97230 0.00058	14.80 0.96105 0.00054	17.25 0.97283 0.00053
13.00 0.97665 0.00058	15.00 0.96535 0.00056	17.50 0.97756 0.00053
13.20 0.98291 0.00058	15.20 0.96937 0.00055	17.75 0.98177 0.00055
13.40 0.98715 0.00058	15.40 0.97230 0.00056	18.00 0.98591 0.00054
13.60 0.99187 0.00059	15.60 0.97729 0.00054	18.25 0.98851 0.00055
13.80 0.99794 0.00060	15.80 0.98017 0.00055	18.50 0.99166 0.00054
14.00 1.00255 0.00059	16.00 0.98415 0.00057	18.75 0.99512 0.00054
14.20 1.00668 0.00057	16.20 0.98826 0.00056	19.00 0.99856 0.00055
14.40 1.01261 0.00060	16.40 0.99107 0.00054	19.25 1.00278 0.00054
14.60 1.01532 0.00060	16.60 0.99465 0.00053	19.50 1.00423 0.00055
14.80 1.02069 0.00058	16.80 0.99728 0.00057	19.75 1.00830 0.00053
15.00 1.02385 0.00057	17.00 1.00159 0.00056	20.00 1.01026 0.00055
	17.20 1.00449 0.00056	20.25 1.01282 0.00053
		20.50 1.01827 0.00055
		20.75 1.01856 0.00054
		21.00 1.02236 0.00056

8000	9000	10000
16.00 0.92122 0.00053	20.00 0.91235 0.00050	999.93 1.02502 0.00035
16.25 0.92655 0.00052	20.50 0.91710 0.00048	999.95 1.02502 0.00035
16.50 0.92884 0.00051	21.00 0.92220 0.00050	999.97 1.02502 0.00035
16.75 0.93453 0.00052	21.50 0.92743 0.00049	999.99 1.02502 0.00035
17.00 0.93750 0.00053	22.00 0.93125 0.00049	
17.25 0.94206 0.00050	22.50 0.93546 0.00050	
17.50 0.94484 0.00054	23.00 0.94082 0.00049	
17.75 0.94971 0.00054	23.50 0.94426 0.00050	
18.00 0.95125 0.00053	24.00 0.94832 0.00047	
18.25 0.95564 0.00053	24.50 0.95189 0.00048	
18.50 0.95898 0.00051	25.00 0.95575 0.00048	
18.75 0.96210 0.00053	25.50 0.95907 0.00047	
19.00 0.96641 0.00050	26.00 0.96252 0.00047	
19.25 0.96961 0.00051	26.50 0.96604 0.00047	
19.50 0.97163 0.00050	27.00 0.96919 0.00045	
19.75 0.97524 0.00053	27.50 0.97205 0.00047	
20.00 0.97773 0.00052	28.00 0.97472 0.00048	
20.25 0.97978 0.00051	28.50 0.97812 0.00048	
20.50 0.98314 0.00051	29.00 0.98130 0.00047	
20.75 0.98700 0.00051	29.50 0.98318 0.00046	
21.00 0.98869 0.00053	30.00 0.98622 0.00048	
21.25 0.99143 0.00053	30.50 0.98806 0.00047	
21.50 0.99388 0.00051	31.00 0.99084 0.00047	
21.75 0.99631 0.00052	31.50 0.99227 0.00046	
22.00 0.99830 0.00052	32.00 0.99586 0.00047	
22.25 1.00106 0.00052	32.50 0.99724 0.00049	
22.50 1.00395 0.00051	33.00 0.99914 0.00048	

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22.75	1.00620	0.00052	33.50	1.00274	0.00046
23.00	1.00891	0.00050	34.00	1.00325	0.00046
			34.50	1.00514	0.00046
			35.00	1.00611	0.00047

## sumtable.u5o2-pl-0013-00

			20	25	30
999.98	0.03587	0.00001	999.98	0.04452	0.00001
999.99	0.03587	0.00001	999.99	0.04452	0.00001
			40	45	50
999.98	0.06980	0.00002	999.98	0.07801	0.00002
999.99	0.06980	0.00002	999.99	0.07801	0.00002
			55	60	65
999.98	0.09417	0.00002	999.98	0.10214	0.00003
999.99	0.09417	0.00002	999.99	0.10214	0.00003
			70	80	100
999.98	0.11768	0.00003	999.98	0.13294	0.00003
999.99	0.11768	0.00003	999.99	0.13294	0.00003
			130	150	170
999.98	0.20401	0.00005	999.98	0.23043	0.00006
999.99	0.20401	0.00005	999.99	0.23043	0.00006
			200	350	500
999.98	0.29171	0.00008	999.98	0.44341	0.00011
999.99	0.29171	0.00008	999.99	0.44341	0.00011
			800	1000	1500
999.98	0.72601	0.00019	999.98	0.80367	0.00023
999.99	0.72601	0.00019	999.99	0.80367	0.00023
			1700	1900	2000
999.98	0.96668	0.00028	999.98	0.99347	0.00029
999.99	0.96668	0.00028	999.99	0.99347	0.00029
			20.00	0.91514	0.00035
			25.00	0.94398	0.00036
			30.00	0.96164	0.00034
			35.00	0.97140	0.00033
			40.00	0.97919	0.00031
			45.00	0.98429	0.00032
			50.00	0.98855	0.00031
			55.00	0.99129	0.00032
			60.00	0.99283	0.00031
			65.00	0.99514	0.00030
			70.00	0.99687	0.00031
			75.00	0.99703	0.00029
			80.00	0.99727	0.00032
			85.00	0.99920	0.00031
			90.00	0.99921	0.00030
			95.00	1.00075	0.00030
			100.00	1.00102	0.00030

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2100	2300	2500
20.00 0.92464 0.00036	18.00 0.92280 0.00040	17.00 0.92377 0.00040
22.00 0.93828 0.00037	19.00 0.93249 0.00038	17.50 0.92866 0.00039
24.00 0.94958 0.00035	20.00 0.94099 0.00038	18.00 0.93550 0.00040
26.00 0.95770 0.00035	21.00 0.94783 0.00038	18.50 0.94017 0.00039
28.00 0.96547 0.00036	22.00 0.95402 0.00037	19.00 0.94441 0.00039
30.00 0.97137 0.00035	23.00 0.96011 0.00037	19.50 0.94927 0.00038
32.00 0.97598 0.00032	24.00 0.96500 0.00036	20.00 0.95265 0.00038
34.00 0.97969 0.00034	25.00 0.97038 0.00035	20.50 0.95643 0.00039
36.00 0.98419 0.00034	26.00 0.97441 0.00036	21.00 0.96087 0.00037
38.00 0.98621 0.00034	27.00 0.97795 0.00036	21.50 0.96446 0.00039
40.00 0.98923 0.00033	28.00 0.98199 0.00037	22.00 0.96779 0.00038
42.00 0.99116 0.00033	29.00 0.98549 0.00038	22.50 0.97113 0.00039
44.00 0.99358 0.00034	30.00 0.98743 0.00036	23.00 0.97311 0.00036
46.00 0.99555 0.00033	31.00 0.99001 0.00034	23.50 0.97595 0.00037
48.00 0.99746 0.00032	32.00 0.99367 0.00035	24.00 0.97907 0.00037
50.00 0.99832 0.00033	33.00 0.99494 0.00034	24.50 0.98085 0.00038
52.00 0.99993 0.00032	34.00 0.99746 0.00035	25.00 0.98335 0.00037
54.00 1.00048 0.00031	35.00 0.99840 0.00035	25.50 0.98508 0.00037
56.00 1.00211 0.00031	36.00 1.00045 0.00035	26.00 0.98736 0.00038
58.00 1.00223 0.00032	37.00 1.00202 0.00035	26.50 0.98944 0.00036
60.00 1.00344 0.00032	38.00 1.00322 0.00034	27.00 0.99117 0.00036
62.00 1.00394 0.00031	39.00 1.00504 0.00034	27.50 0.99374 0.00036
64.00 1.00483 0.00031	40.00 1.00668 0.00035	28.00 0.99550 0.00037
66.00 1.00558 0.00032		28.50 0.99741 0.00036
68.00 1.00624 0.00030		29.00 0.99863 0.00036
70.00 1.00636 0.00031		29.50 0.99992 0.00037
		30.00 1.00151 0.00037

2700	3000	3500
17.00 0.93202 0.00039	16.00 0.92876 0.00042	16.00 0.93516 0.00043
17.50 0.93943 0.00041	16.50 0.93610 0.00041	16.50 0.94252 0.00043
18.00 0.94367 0.00040	17.00 0.94242 0.00042	17.00 0.94879 0.00044
18.50 0.95022 0.00040	17.50 0.94833 0.00040	17.50 0.95546 0.00043
19.00 0.95396 0.00039	18.00 0.95416 0.00040	18.00 0.96127 0.00045
19.50 0.95846 0.00040	18.50 0.95946 0.00040	18.50 0.96638 0.00041
20.00 0.96321 0.00040	19.00 0.96366 0.00041	19.00 0.97147 0.00040
20.50 0.96675 0.00040	19.50 0.96849 0.00041	19.50 0.97543 0.00041
21.00 0.97049 0.00039	20.00 0.97276 0.00041	20.00 0.98020 0.00042
21.50 0.97336 0.00038	20.50 0.97645 0.00040	20.50 0.98381 0.00042
22.00 0.97702 0.00040	21.00 0.97986 0.00041	21.00 0.98897 0.00042
22.50 0.97987 0.00038	21.50 0.98401 0.00041	21.50 0.99123 0.00042
23.00 0.98321 0.00040	22.00 0.98749 0.00039	22.00 0.99579 0.00043
23.50 0.98593 0.00038	22.50 0.99021 0.00039	22.50 0.99842 0.00042
24.00 0.98879 0.00040	23.00 0.99391 0.00040	23.00 1.00208 0.00041
24.50 0.99183 0.00038	23.50 0.99614 0.00039	23.50 1.00483 0.00040
25.00 0.99320 0.00039	24.00 0.99917 0.00042	24.00 1.00751 0.00041
25.50 0.99606 0.00038	24.50 1.00204 0.00039	
26.00 0.99757 0.00038	25.00 1.00464 0.00039	
26.50 1.00000 0.00038		
27.00 1.00132 0.00038		
27.50 1.00313 0.00038		
28.00 1.00554 0.00038		
28.50 1.00721 0.00037		
29.00 1.00906 0.00036		
29.50 1.01010 0.00038		
30.00 1.01195 0.00036		

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4000	4500	5000
16.00 0.93338 0.00045	17.00 0.93856 0.00044	17.00 0.92334 0.00044
16.50 0.94062 0.00046	17.50 0.94466 0.00045	17.50 0.92924 0.00046
17.00 0.94641 0.00045	18.00 0.94980 0.00046	18.00 0.93594 0.00044
17.50 0.95277 0.00046	18.50 0.95622 0.00044	18.50 0.94160 0.00044
18.00 0.95861 0.00046	19.00 0.96138 0.00044	19.00 0.94625 0.00046
18.50 0.96497 0.00043	19.50 0.96576 0.00045	19.50 0.95152 0.00045
19.00 0.96951 0.00043	20.00 0.97016 0.00042	20.00 0.95609 0.00043
19.50 0.97435 0.00043	20.50 0.97586 0.00044	20.50 0.96045 0.00045
20.00 0.97980 0.00045	21.00 0.97952 0.00045	21.00 0.96472 0.00044
20.50 0.98362 0.00043	21.50 0.98234 0.00042	21.50 0.96901 0.00042
21.00 0.98674 0.00045	22.00 0.98567 0.00044	22.00 0.97281 0.00044
21.50 0.99017 0.00043	22.50 0.98932 0.00043	22.50 0.97598 0.00045
22.00 0.99429 0.00042	23.00 0.99357 0.00043	23.00 0.97873 0.00044
22.50 0.99782 0.00043	23.50 0.99637 0.00043	23.50 0.98255 0.00044
23.00 1.00152 0.00042	24.00 0.99915 0.00044	24.00 0.98536 0.00043
23.50 1.00359 0.00042	24.50 1.00087 0.00043	24.50 0.98803 0.00043
24.00 1.00679 0.00043	25.00 1.00402 0.00045	25.00 0.99100 0.00043
	25.50 1.00763 0.00043	25.50 0.99305 0.00043
	26.00 1.00839 0.00044	26.00 0.99552 0.00042
	26.50 1.01119 0.00043	26.50 0.99700 0.00043
	27.00 1.01351 0.00043	27.00 1.00008 0.00042
	27.50 1.01513 0.00044	27.50 1.00131 0.00042
	28.00 1.01760 0.00041	28.00 1.00395 0.00043
	28.50 1.01937 0.00042	28.50 1.00535 0.00044
	29.00 1.02025 0.00043	29.00 1.00796 0.00044
	29.50 1.02189 0.00041	29.50 1.01005 0.00040
	30.00 1.02452 0.00042	30.00 1.01013 0.00042

5500	6000	7000
20.00 0.93753 0.00044	20.00 0.91443 0.00045	999.98 0.96582 0.00039
20.50 0.94220 0.00045	21.00 0.92169 0.00044	999.99 0.96582 0.00039
21.00 0.94518 0.00044	22.00 0.92993 0.00044	
21.50 0.94962 0.00043	23.00 0.93541 0.00043	
22.00 0.95382 0.00046	24.00 0.94373 0.00044	
22.50 0.95728 0.00043	25.00 0.94821 0.00044	
23.00 0.95996 0.00044	26.00 0.95337 0.00044	
23.50 0.96320 0.00044	27.00 0.95849 0.00045	
24.00 0.96685 0.00044	28.00 0.96217 0.00043	
24.50 0.96946 0.00043	29.00 0.96595 0.00043	
25.00 0.97136 0.00043	30.00 0.96954 0.00044	
25.50 0.97428 0.00044	31.00 0.97230 0.00042	
26.00 0.97726 0.00044	32.00 0.97657 0.00043	
26.50 0.97918 0.00044	33.00 0.97763 0.00043	
27.00 0.98149 0.00044	34.00 0.98073 0.00043	
27.50 0.98445 0.00041	35.00 0.98244 0.00042	
28.00 0.98583 0.00043	36.00 0.98547 0.00043	
28.50 0.98693 0.00044	37.00 0.98739 0.00042	
29.00 0.98904 0.00044	38.00 0.98863 0.00041	
29.50 0.99094 0.00044	39.00 0.99052 0.00043	
30.00 0.99247 0.00044	40.00 0.99232 0.00042	
30.50 0.99438 0.00042	41.00 0.99281 0.00041	
31.00 0.99509 0.00043	42.00 0.99455 0.00041	
31.50 0.99732 0.00042	43.00 0.99604 0.00042	
32.00 0.99809 0.00045	44.00 0.99670 0.00041	
32.50 0.99923 0.00043	45.00 0.99846 0.00040	
33.00 1.00123 0.00043	46.00 0.99943 0.00042	
33.50 1.00251 0.00043	47.00 1.00128 0.00042	
34.00 1.00340 0.00042	48.00 1.00152 0.00043	
34.50 1.00518 0.00043	49.00 1.00279 0.00043	
35.00 1.00606 0.00042	50.00 1.00327 0.00043	

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7500	8000	9000
999.98 0.92762 0.00038	999.98 0.88463 0.00038	999.98 0.77785 0.00037
999.99 0.92762 0.00038	999.99 0.88463 0.00038	999.99 0.77785 0.00037
10000	15000	18900
999.98 0.63932 0.00031	999.98 0.47278 0.00025	999.98 0.47261 0.00024
999.99 0.63932 0.00031	999.99 0.47278 0.00025	999.99 0.47261 0.00024

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20	25	30	
999.98 0.03587 0.00001	999.98 0.04452 0.00001	999.98 0.05314 0.00001	
999.99 0.03587 0.00001	999.99 0.04452 0.00001	999.99 0.05314 0.00001	
40	45	50	
999.98 0.06980 0.00002	999.98 0.07801 0.00002	999.98 0.08622 0.00002	
999.99 0.06980 0.00002	999.99 0.07801 0.00002	999.99 0.08622 0.00002	
55	60	65	
999.98 0.09417 0.00002	999.98 0.10214 0.00003	999.98 0.10995 0.00003	
999.99 0.09417 0.00002	999.99 0.10214 0.00003	999.99 0.10995 0.00003	
70	80	100	
999.98 0.11768 0.00003	999.98 0.13294 0.00003	999.98 0.16234 0.00004	
999.99 0.11768 0.00003	999.99 0.13294 0.00003	999.99 0.16234 0.00004	
130	150	170	
999.98 0.20401 0.00005	999.98 0.23043 0.00006	999.98 0.25566 0.00007	
999.99 0.20401 0.00005	999.99 0.23043 0.00006	999.99 0.25566 0.00007	
200	350	500	
999.98 0.29171 0.00008	999.98 0.44341 0.00011	999.98 0.56038 0.00015	
999.99 0.29171 0.00008	999.99 0.44341 0.00011	999.99 0.56038 0.00015	
800	1000	1500	
999.98 0.72601 0.00019	999.98 0.80367 0.00023	999.98 0.93248 0.00027	
999.99 0.72601 0.00019	999.99 0.80367 0.00023	999.99 0.93248 0.00027	
1700	1900	2000	
999.98 0.96668 0.00028	999.98 0.99347 0.00029	20.00 0.92648 0.00035	
999.99 0.96668 0.00028	999.99 0.99347 0.00029	25.00 0.95135 0.00034	
		30.00 0.96539 0.00035	
		35.00 0.97504 0.00033	
		40.00 0.98129 0.00032	
		45.00 0.98548 0.00032	
		50.00 0.98907 0.00032	
		55.00 0.99112 0.00031	
		60.00 0.99368 0.00031	
		65.00 0.99598 0.00031	
		70.00 0.99618 0.00031	
		75.00 0.99839 0.00030	
		80.00 0.99809 0.00031	
		85.00 0.99886 0.00031	
		90.00 0.99990 0.00030	
		95.00 1.00027 0.00031	
		100.00 1.00074 0.00032	
		105.00 1.00140 0.00030	
		110.00 1.00162 0.00031	
		115.00 1.00204 0.00030	
		120.00 1.00212 0.00031	

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2100	2300	2500
20.00 0.93652 0.00036	14.00 0.89512 0.00039	16.00 0.93215 0.00038
22.00 0.94802 0.00035	15.00 0.90746 0.00038	16.50 0.93667 0.00039
24.00 0.95702 0.00035	16.00 0.91961 0.00039	17.00 0.94171 0.00039
26.00 0.96327 0.00034	17.00 0.92909 0.00038	17.50 0.94677 0.00039
28.00 0.96937 0.00033	18.00 0.93819 0.00037	18.00 0.95038 0.00038
30.00 0.97514 0.00035	19.00 0.94649 0.00037	18.50 0.95461 0.00039
32.00 0.97925 0.00033	20.00 0.95236 0.00037	19.00 0.95784 0.00039
34.00 0.98283 0.00033	21.00 0.95895 0.00038	19.50 0.96178 0.00037
36.00 0.98612 0.00033	22.00 0.96421 0.00036	20.00 0.96512 0.00038
38.00 0.98875 0.00033	23.00 0.96893 0.00036	20.50 0.96829 0.00037
40.00 0.99055 0.00033	24.00 0.97331 0.00035	21.00 0.97166 0.00038
42.00 0.99300 0.00032	25.00 0.97709 0.00035	21.50 0.97455 0.00037
44.00 0.99535 0.00032	26.00 0.98045 0.00035	22.00 0.97622 0.00037
46.00 0.99690 0.00033	27.00 0.98381 0.00035	22.50 0.97899 0.00037
48.00 0.99891 0.00031	28.00 0.98686 0.00036	23.00 0.98118 0.00036
50.00 0.99923 0.00031	29.00 0.98940 0.00035	23.50 0.98431 0.00036
52.00 1.00076 0.00032	30.00 0.99161 0.00035	24.00 0.98599 0.00036
54.00 1.00176 0.00032	31.00 0.99469 0.00036	24.50 0.98795 0.00037
56.00 1.00243 0.00032	32.00 0.99660 0.00036	25.00 0.98980 0.00038
58.00 1.00328 0.00032	33.00 0.99850 0.00035	25.50 0.99289 0.00036
60.00 1.00433 0.00032	34.00 1.00001 0.00034	26.00 0.99335 0.00037
	35.00 1.00232 0.00035	26.50 0.99612 0.00037
	36.00 1.00427 0.00034	27.00 0.99766 0.00035
		27.50 0.99904 0.00035
		28.00 0.99976 0.00036
		28.50 1.00191 0.00038
		29.00 1.00304 0.00036
		29.50 1.00418 0.00036
		30.00 1.00546 0.00035

2700	3000	3500
12.00 0.88230 0.00042	14.00 0.92501 0.00041	12.00 0.89705 0.00042
12.50 0.89159 0.00040	14.50 0.93241 0.00042	12.50 0.90713 0.00044
13.00 0.90068 0.00042	15.00 0.93830 0.00041	13.00 0.91624 0.00045
13.50 0.90857 0.00041	15.50 0.94578 0.00042	13.50 0.92429 0.00045
14.00 0.91669 0.00042	16.00 0.95062 0.00039	14.00 0.93170 0.00044
14.50 0.92286 0.00041	16.50 0.95555 0.00041	14.50 0.93984 0.00044
15.00 0.93019 0.00041	17.00 0.96096 0.00040	15.00 0.94624 0.00042
15.50 0.93528 0.00041	17.50 0.96593 0.00040	15.50 0.95261 0.00044
16.00 0.94116 0.00038	18.00 0.97075 0.00041	16.00 0.95767 0.00042
16.50 0.94672 0.00040	18.50 0.97414 0.00041	16.50 0.96372 0.00043
17.00 0.95207 0.00041	19.00 0.97835 0.00041	17.00 0.96865 0.00041
17.50 0.95541 0.00039	19.50 0.98250 0.00040	17.50 0.97304 0.00042
18.00 0.96022 0.00038	20.00 0.98538 0.00041	18.00 0.97816 0.00042
18.50 0.96434 0.00040	20.50 0.98874 0.00037	18.50 0.98200 0.00041
19.00 0.96830 0.00039	21.00 0.99278 0.00039	19.00 0.98629 0.00043
19.50 0.97184 0.00038	21.50 0.99452 0.00039	19.50 0.99004 0.00041
20.00 0.97586 0.00039	22.00 0.99761 0.00040	20.00 0.99285 0.00041
20.50 0.97889 0.00039	22.50 0.99990 0.00039	20.50 0.99712 0.00043
21.00 0.98076 0.00038	23.00 1.00256 0.00040	21.00 1.00030 0.00042
21.50 0.98390 0.00038	23.50 1.00527 0.00039	21.50 1.00355 0.00042
22.00 0.98692 0.00038	24.00 1.00716 0.00038	22.00 1.00590 0.00042
22.50 0.98931 0.00038		
23.00 0.99216 0.00039		
23.50 0.99432 0.00037		
24.00 0.99702 0.00035		
24.50 0.99865 0.00037		
25.00 1.00032 0.00038		
25.50 1.00337 0.00037		
26.00 1.00396 0.00038		

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4000	4500	5000
14.00 0.93053 0.00044	14.00 0.92132 0.00044	15.00 0.92268 0.00045
14.25 0.93471 0.00044	14.50 0.92877 0.00043	15.50 0.92891 0.00047
14.50 0.93835 0.00044	15.00 0.93636 0.00046	16.00 0.93504 0.00045
14.75 0.94144 0.00044	15.50 0.94265 0.00046	16.50 0.93994 0.00045
15.00 0.94451 0.00044	16.00 0.94914 0.00044	17.00 0.94617 0.00043
15.25 0.94706 0.00043	16.50 0.95438 0.00045	17.50 0.95037 0.00045
15.50 0.95093 0.00044	17.00 0.95949 0.00044	18.00 0.95603 0.00044
15.75 0.95456 0.00043	17.50 0.96328 0.00043	18.50 0.95960 0.00045
16.00 0.95794 0.00042	18.00 0.96994 0.00044	19.00 0.96441 0.00043
16.25 0.96024 0.00043	18.50 0.97303 0.00043	19.50 0.96830 0.00044
16.50 0.96318 0.00043	19.00 0.97764 0.00043	20.00 0.97146 0.00043
16.75 0.96488 0.00043	19.50 0.98139 0.00042	20.50 0.97506 0.00045
17.00 0.96769 0.00043	20.00 0.98435 0.00043	21.00 0.97831 0.00043
17.25 0.97049 0.00043	20.50 0.98866 0.00045	21.50 0.98215 0.00043
17.50 0.97181 0.00045	21.00 0.99130 0.00043	22.00 0.98420 0.00045
17.75 0.97452 0.00041	21.50 0.99488 0.00045	22.50 0.98856 0.00043
18.00 0.97801 0.00043	22.00 0.99745 0.00044	23.00 0.98945 0.00043
18.25 0.97943 0.00044	22.50 1.00048 0.00043	23.50 0.99227 0.00042
18.50 0.98128 0.00042	23.00 1.00350 0.00043	24.00 0.99466 0.00043
18.75 0.98402 0.00041	23.50 1.00603 0.00043	24.50 0.99782 0.00039
19.00 0.98505 0.00043	24.00 1.00849 0.00041	25.00 0.99981 0.00041
19.25 0.98769 0.00043		25.50 1.00140 0.00042
19.50 0.99030 0.00042		26.00 1.00319 0.00044
19.75 0.99087 0.00042		
20.00 0.99350 0.00043		
20.25 0.99435 0.00042		
20.50 0.99666 0.00043		
20.75 0.99810 0.00042		
21.00 1.00016 0.00042		
21.25 1.00175 0.00042		
21.50 1.00347 0.00042		
21.75 1.00402 0.00041		
22.00 1.00562 0.00041		

5500	6000	7000
15.00 0.90305 0.00045	20.00 0.93016 0.00044	999.98 0.96582 0.00039
16.00 0.91602 0.00045	21.00 0.93624 0.00043	999.99 0.96582 0.00039
17.00 0.92644 0.00045	22.00 0.94296 0.00044	
18.00 0.93667 0.00045	23.00 0.94806 0.00044	
19.00 0.94569 0.00045	24.00 0.95346 0.00045	
20.00 0.95324 0.00044	25.00 0.95812 0.00042	
21.00 0.95975 0.00045	26.00 0.96203 0.00043	
22.00 0.96652 0.00042	27.00 0.96607 0.00041	
23.00 0.97145 0.00043	28.00 0.96944 0.00044	
24.00 0.97656 0.00045	29.00 0.97232 0.00045	
25.00 0.98118 0.00043	30.00 0.97516 0.00042	
26.00 0.98437 0.00044	31.00 0.97907 0.00042	
27.00 0.98844 0.00043	32.00 0.98052 0.00043	
28.00 0.99291 0.00044	33.00 0.98241 0.00042	
29.00 0.99551 0.00045	34.00 0.98573 0.00041	
30.00 0.99800 0.00042	35.00 0.98672 0.00043	
31.00 1.00147 0.00043	36.00 0.98891 0.00042	
32.00 1.00328 0.00042	37.00 0.99075 0.00042	
33.00 1.00518 0.00042	38.00 0.99231 0.00041	
34.00 1.00818 0.00042	39.00 0.99363 0.00041	
35.00 1.00985 0.00041	40.00 0.99435 0.00042	

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36.00	1.01140	0.00043	41.00	0.99636	0.00042
37.00	1.01350	0.00041	42.00	0.99642	0.00042
38.00	1.01434	0.00042	43.00	0.99867	0.00043
39.00	1.01676	0.00043	44.00	0.99998	0.00043
40.00	1.01685	0.00043	45.00	1.00081	0.00041
41.00	1.01889	0.00041	46.00	1.00167	0.00043
42.00	1.01873	0.00043	47.00	1.00200	0.00040
43.00	1.02115	0.00040	48.00	1.00331	0.00043
			49.00	1.00450	0.00040
			50.00	1.00448	0.00043

7500	8000	9000
999.98 0.92762 0.00038	999.98 0.88463 0.00038	999.98 0.77785 0.00037
999.99 0.92762 0.00038	999.99 0.88463 0.00038	999.99 0.77785 0.00037
10000	15000	18900
999.98 0.63932 0.00031	999.98 0.47278 0.00025	999.98 0.47261 0.00024
999.99 0.63932 0.00031	999.99 0.47278 0.00025	999.99 0.47261 0.00024

sumtable.u5o2-pl-0013-10					
20		25		30	
999.98	0.03587	0.00001	999.98	0.04452	0.00001
999.99	0.03587	0.00001	999.99	0.04452	0.00001
40		45		50	
999.98	0.06980	0.00002	999.98	0.07801	0.00002
999.99	0.06980	0.00002	999.99	0.07801	0.00002
55		60		65	
999.98	0.09417	0.00002	999.98	0.10214	0.00003
999.99	0.09417	0.00002	999.99	0.10214	0.00003
70		80		100	
999.98	0.11768	0.00003	999.98	0.13294	0.00003
999.99	0.11768	0.00003	999.99	0.13294	0.00003
130		150		170	
999.98	0.20401	0.00005	999.98	0.23043	0.00006
999.99	0.20401	0.00005	999.99	0.23043	0.00006
200		350		500	
999.98	0.29171	0.00008	999.98	0.44341	0.00011
999.99	0.29171	0.00008	999.99	0.44341	0.00011
800		1000		1500	
999.98	0.72601	0.00019	999.98	0.80367	0.00023
999.99	0.72601	0.00019	999.99	0.80367	0.00023
			999.98	0.93248	0.00027
			999.99	0.93248	0.00027

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1700	1900	2000
999.98 0.96668 0.00028	999.98 0.99347 0.00029	20.00 0.93510 0.00034
999.99 0.96668 0.00028	999.99 0.99347 0.00029	22.50 0.94598 0.00033
		25.00 0.95607 0.00034
		27.50 0.96156 0.00032
		30.00 0.96801 0.00033
		32.50 0.97328 0.00031
		35.00 0.97632 0.00032
		37.50 0.98023 0.00033
		40.00 0.98247 0.00033
		42.50 0.98426 0.00032
		45.00 0.98633 0.00031
		47.50 0.98803 0.00031
		50.00 0.98937 0.00032
		52.50 0.99138 0.00033
		55.00 0.99214 0.00031
		57.50 0.99355 0.00031
		60.00 0.99440 0.00031
		62.50 0.99521 0.00031
		65.00 0.99495 0.00031
		67.50 0.99686 0.00032
		70.00 0.99692 0.00030
		72.50 0.99710 0.00030
		75.00 0.99784 0.00030
		77.50 0.99809 0.00029
		80.00 0.99899 0.00031
		82.50 0.99963 0.00031
		85.00 0.99988 0.00030
		87.50 0.99949 0.00032
		90.00 1.00017 0.00031
		92.50 1.00063 0.00030
		95.00 1.00104 0.00031
		97.50 1.00034 0.00029
		100.00 1.00104 0.00031

2100	2300	2500
16.00 0.91826 0.00035	16.00 0.93366 0.00038	14.00 0.92678 0.00037
18.00 0.93233 0.00036	17.00 0.94166 0.00037	14.50 0.93173 0.00038
20.00 0.94430 0.00035	18.00 0.94879 0.00037	15.00 0.93683 0.00037
22.00 0.95459 0.00034	19.00 0.95511 0.00036	15.50 0.94187 0.00037
24.00 0.96166 0.00033	20.00 0.96097 0.00034	16.00 0.94647 0.00037
26.00 0.96814 0.00034	21.00 0.96587 0.00036	16.50 0.95103 0.00039
28.00 0.97388 0.00034	22.00 0.97028 0.00036	17.00 0.95514 0.00037
30.00 0.97846 0.00033	23.00 0.97571 0.00036	17.50 0.95831 0.00037
32.00 0.98206 0.00034	24.00 0.97821 0.00033	18.00 0.96249 0.00038
34.00 0.98576 0.00034	25.00 0.98268 0.00035	18.50 0.96596 0.00037
36.00 0.98780 0.00034	26.00 0.98490 0.00035	19.00 0.96836 0.00038
38.00 0.99061 0.00032	27.00 0.98850 0.00034	19.50 0.97184 0.00036
40.00 0.99295 0.00031	28.00 0.99116 0.00033	20.00 0.97402 0.00037
42.00 0.99542 0.00032	29.00 0.99335 0.00035	20.50 0.97692 0.00036
44.00 0.99595 0.00033	30.00 0.99622 0.00034	21.00 0.98001 0.00036
46.00 0.99810 0.00033	31.00 0.99724 0.00035	21.50 0.98148 0.00037
48.00 1.00011 0.00032	32.00 1.00023 0.00036	22.00 0.98449 0.00038
50.00 1.00010 0.00030	33.00 1.00061 0.00033	22.50 0.98609 0.00035
52.00 1.00091 0.00032	34.00 1.00274 0.00034	23.00 0.98858 0.00036
	35.00 1.00466 0.00034	23.50 0.99038 0.00036
	36.00 1.00606 0.00034	24.00 0.99279 0.00035
		24.50 0.99430 0.00035

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25.00	0.99545	0.00036
25.50	0.99730	0.00035
26.00	0.99873	0.00036
26.50	1.00067	0.00037
27.00	1.00145	0.00036
27.50	1.00330	0.00036
28.00	1.00390	0.00035

2700		3000		3500	
14.00	0.93614	0.00039	12.00	0.91999	0.00039
14.50	0.94147	0.00039	12.50	0.92729	0.00040
15.00	0.94709	0.00039	13.00	0.93359	0.00038
15.50	0.95183	0.00038	13.50	0.94107	0.00040
16.00	0.95616	0.00038	14.00	0.94670	0.00039
16.50	0.96124	0.00037	14.50	0.95275	0.00041
17.00	0.96525	0.00038	15.00	0.95701	0.00040
17.50	0.96886	0.00038	15.50	0.96251	0.00039
18.00	0.97214	0.00036	16.00	0.96682	0.00038
18.50	0.97604	0.00038	16.50	0.97197	0.00038
19.00	0.97890	0.00037	17.00	0.97486	0.00040
19.50	0.98172	0.00037	17.50	0.97969	0.00040
20.00	0.98430	0.00037	18.00	0.98408	0.00039
20.50	0.98751	0.00038	18.50	0.98608	0.00040
21.00	0.99021	0.00036	19.00	0.98978	0.00039
21.50	0.99253	0.00038	19.50	0.99244	0.00038
22.00	0.99408	0.00037	20.00	0.99479	0.00038
22.50	0.99660	0.00037	20.50	0.99886	0.00038
23.00	0.99869	0.00036	21.00	1.00091	0.00038
23.50	1.00078	0.00037	21.50	1.00400	0.00038
24.00	1.00235	0.00037	22.00	1.00554	0.00038

4000		4500		5000	
12.00	0.92845	0.00042	10.00	0.88525	0.00044
12.50	0.93486	0.00042	10.50	0.89541	0.00044
13.00	0.94228	0.00042	11.00	0.90438	0.00045
13.50	0.94903	0.00043	11.50	0.91302	0.00043
14.00	0.95513	0.00042	12.00	0.92150	0.00044
14.50	0.96045	0.00041	12.50	0.92886	0.00042
15.00	0.96637	0.00043	13.00	0.93626	0.00043
15.50	0.97114	0.00042	13.50	0.94189	0.00042
16.00	0.97521	0.00043	14.00	0.94789	0.00044
16.50	0.98082	0.00041	14.50	0.95432	0.00042
17.00	0.98432	0.00042	15.00	0.95877	0.00043
17.50	0.98847	0.00044	15.50	0.96439	0.00044
18.00	0.99219	0.00041	16.00	0.96873	0.00042
18.50	0.99527	0.00040	16.50	0.97322	0.00041
19.00	0.99941	0.00041	17.00	0.97795	0.00043
19.50	1.00177	0.00042	17.50	0.98145	0.00043
20.00	1.00462	0.00042	18.00	0.98565	0.00042
20.50	1.00722	0.00042	18.50	0.98800	0.00043
21.00	1.00990	0.00042	19.00	0.99171	0.00042
21.50	1.01271	0.00040	19.50	0.99530	0.00042
22.00	1.01416	0.00040	20.00	0.99809	0.00041
			20.50	1.00096	0.00042
			21.00	1.00244	0.00042
			21.50	1.00623	0.00043
			22.00	1.00786	0.00041

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5500	6000	7000
15.00 0.93041 0.00044	18.00 0.93357 0.00044	999.98 0.96582 0.00039
15.50 0.93537 0.00044	19.00 0.93987 0.00043	999.99 0.96582 0.00039
16.00 0.93845 0.00043	20.00 0.94623 0.00044	
16.50 0.94443 0.00043	21.00 0.95070 0.00044	
17.00 0.94754 0.00043	22.00 0.95570 0.00043	
17.50 0.95146 0.00044	23.00 0.96012 0.00043	
18.00 0.95568 0.00044	24.00 0.96477 0.00042	
18.50 0.95924 0.00043	25.00 0.96682 0.00042	
19.00 0.96088 0.00046	26.00 0.97058 0.00041	
19.50 0.96449 0.00044	27.00 0.97395 0.00043	
20.00 0.96684 0.00043	28.00 0.97674 0.00041	
20.50 0.97134 0.00043	29.00 0.97934 0.00041	
21.00 0.97355 0.00043	30.00 0.98123 0.00042	
21.50 0.97567 0.00044	31.00 0.98439 0.00041	
22.00 0.97819 0.00045	32.00 0.98613 0.00043	
22.50 0.97954 0.00043	33.00 0.98736 0.00043	
23.00 0.98245 0.00043	34.00 0.98958 0.00041	
23.50 0.98405 0.00043	35.00 0.99166 0.00043	
24.00 0.98654 0.00043	36.00 0.99262 0.00041	
24.50 0.98894 0.00043	37.00 0.99364 0.00042	
25.00 0.98975 0.00042	38.00 0.99522 0.00042	
25.50 0.99137 0.00043	39.00 0.99742 0.00042	
26.00 0.99286 0.00042	40.00 0.99861 0.00040	
26.50 0.99531 0.00043	41.00 0.99896 0.00040	
27.00 0.99602 0.00042	42.00 0.99997 0.00044	
27.50 0.99844 0.00039	43.00 1.00062 0.00041	
28.00 0.99838 0.00043	44.00 1.00141 0.00040	
28.50 1.00111 0.00042	45.00 1.00338 0.00041	
29.00 1.00161 0.00042	46.00 1.00316 0.00041	
29.50 1.00356 0.00041	47.00 1.00451 0.00040	
30.00 1.00408 0.00040	48.00 1.00525 0.00042	

7500	8000	9000
999.98 0.92762 0.00038	999.98 0.88463 0.00038	999.98 0.77785 0.00037
999.99 0.92762 0.00038	999.99 0.88463 0.00038	999.99 0.77785 0.00037

10000	18900
999.98 0.63932 0.00031	999.98 0.47261 0.00024
999.99 0.63932 0.00031	999.99 0.47261 0.00024

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20			25			30		
999.98	0.06762	0.00002	999.98	0.08368	0.00002	999.98	0.09930	0.00003
999.99	0.06762	0.00002	999.99	0.08368	0.00002	999.99	0.09930	0.00003
40			45			50		
999.98	0.12965	0.00003	999.98	0.14441	0.00004	999.98	0.15893	0.00004
999.99	0.12965	0.00003	999.99	0.14441	0.00004	999.99	0.15893	0.00004
55			60			65		
999.98	0.17296	0.00004	999.98	0.18700	0.00005	999.98	0.20055	0.00005
999.99	0.17296	0.00004	999.99	0.18700	0.00005	999.99	0.20055	0.00005
70			80			100		
999.98	0.21391	0.00005	999.98	0.24010	0.00006	999.98	0.28944	0.00007
999.99	0.21391	0.00005	999.99	0.24010	0.00006	999.99	0.28944	0.00007
130			150			170		
999.98	0.35718	0.00009	999.98	0.39886	0.00010	999.98	0.43800	0.00011
999.99	0.35718	0.00009	999.99	0.39886	0.00010	999.99	0.43800	0.00011
200			350			400		
999.98	0.49202	0.00011	999.98	0.70253	0.00016	999.98	0.75636	0.00017
999.99	0.49202	0.00011	999.99	0.70253	0.00016	999.99	0.75636	0.00017
500			650			800		
999.98	0.84661	0.00020	999.98	0.94978	0.00023	20.00	0.93699	0.00033
999.99	0.84661	0.00020	999.99	0.94978	0.00023	21.00	0.94399	0.00032
						22.00	0.95035	0.00032
						23.00	0.95608	0.00031
						24.00	0.96074	0.00032
						25.00	0.96553	0.00032
						26.00	0.96912	0.00031
						27.00	0.97322	0.00032
						28.00	0.97610	0.00029
						29.00	0.97961	0.00030
						30.00	0.98239	0.00030
						31.00	0.98468	0.00030
						32.00	0.98738	0.00030
						33.00	0.98954	0.00029
						34.00	0.99054	0.00028
						35.00	0.99237	0.00029
						36.00	0.99463	0.00028
						37.00	0.99713	0.00029
						38.00	0.99790	0.00028
						39.00	0.99935	0.00029
						40.00	1.00047	0.00027
						41.00	1.00172	0.00027
						42.00	1.00314	0.00028

900			1000			1200		
16.00	0.93329	0.00035	14.00	0.93203	0.00039	12.00	0.93181	0.00042
16.50	0.94023	0.00036	14.25	0.93628	0.00040	12.20	0.93684	0.00043
17.00	0.94628	0.00036	14.50	0.94056	0.00038	12.40	0.94343	0.00043
17.50	0.95081	0.00037	14.75	0.94460	0.00038	12.60	0.94754	0.00041
18.00	0.95722	0.00035	15.00	0.94918	0.00038	12.80	0.95323	0.00040
18.50	0.96112	0.00035	15.25	0.95273	0.00038	13.00	0.95770	0.00042
19.00	0.96577	0.00034	15.50	0.95675	0.00037	13.20	0.96137	0.00043

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19.50	0.97046	0.00037	15.75	0.96027	0.00037	13.40	0.96619	0.00040
20.00	0.97432	0.00034	16.00	0.96426	0.00037	13.60	0.96979	0.00044
20.50	0.97800	0.00035	16.25	0.96791	0.00040	13.80	0.97479	0.00040
21.00	0.98153	0.00033	16.50	0.97047	0.00036	14.00	0.97760	0.00043
21.50	0.98548	0.00032	16.75	0.97380	0.00036	14.20	0.98242	0.00042
22.00	0.98864	0.00033	17.00	0.97640	0.00035	14.40	0.98572	0.00041
22.50	0.99139	0.00035	17.25	0.98023	0.00037	14.60	0.98917	0.00040
23.00	0.99486	0.00033	17.50	0.98210	0.00036	14.80	0.99206	0.00041
23.50	0.99679	0.00034	17.75	0.98555	0.00037	15.00	0.99642	0.00041
24.00	0.99959	0.00032	18.00	0.98801	0.00035	15.20	0.99979	0.00039
24.50	1.00225	0.00031	18.25	0.99066	0.00035	15.40	1.00277	0.00042
25.00	1.00452	0.00033	18.50	0.99293	0.00036	15.60	1.00595	0.00041
25.50	1.00562	0.00032	18.75	0.99599	0.00035	15.80	1.00927	0.00040
26.00	1.00835	0.00033	19.00	0.99720	0.00036	16.00	1.01093	0.00040
			19.25	1.00073	0.00035			
			19.50	1.00178	0.00037			
			19.75	1.00400	0.00036			
			20.00	1.00641	0.00036			

1500	1700	1900						
10.50	0.92693	0.00046	10.00	0.92585	0.00046	9.60	0.92091	0.00049
10.60	0.93096	0.00048	10.10	0.93027	0.00050	9.70	0.92608	0.00050
10.70	0.93568	0.00045	10.20	0.93436	0.00047	9.80	0.93060	0.00050
10.80	0.93920	0.00047	10.30	0.93921	0.00047	9.90	0.93519	0.00048
10.90	0.94216	0.00048	10.40	0.94231	0.00047	10.00	0.93989	0.00051
11.00	0.94538	0.00046	10.50	0.94625	0.00046	10.10	0.94297	0.00049
11.10	0.94884	0.00045	10.60	0.95030	0.00047	10.20	0.94771	0.00047
11.20	0.95114	0.00046	10.70	0.95360	0.00047	10.30	0.95140	0.00049
11.30	0.95581	0.00045	10.80	0.95816	0.00049	10.40	0.95644	0.00050
11.40	0.95938	0.00045	10.90	0.96100	0.00048	10.50	0.95960	0.00049
11.50	0.96124	0.00046	11.00	0.96521	0.00047	10.60	0.96370	0.00050
11.60	0.96486	0.00045	11.10	0.96829	0.00049	10.70	0.96824	0.00049
11.70	0.96743	0.00045	11.20	0.97183	0.00048	10.80	0.97120	0.00048
11.80	0.97063	0.00046	11.30	0.97457	0.00046	10.90	0.97458	0.00049
11.90	0.97426	0.00045	11.40	0.97778	0.00048	11.00	0.97839	0.00050
12.00	0.97698	0.00044	11.50	0.98224	0.00047	11.10	0.98221	0.00048
12.10	0.97919	0.00045	11.60	0.98466	0.00047	11.20	0.98595	0.00049
12.20	0.98300	0.00047	11.70	0.98621	0.00047	11.30	0.98981	0.00049
12.30	0.98586	0.00047	11.80	0.98934	0.00046	11.40	0.99230	0.00048
12.40	0.98835	0.00045	11.90	0.99371	0.00046	11.50	0.99524	0.00048
12.50	0.99104	0.00046	12.00	0.99689	0.00046	11.60	0.99861	0.00050
12.60	0.99316	0.00046	12.10	0.99923	0.00047	11.70	1.00157	0.00049
12.70	0.99576	0.00046	12.20	1.00200	0.00048	11.80	1.00501	0.00048
12.80	0.99817	0.00044	12.30	1.00533	0.00046	11.90	1.00724	0.00047
12.90	1.00036	0.00046				12.00	1.01051	0.00049
13.00	1.00297	0.00045						

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2000	2100	2500
9.60 0.92655 0.00051	9.50 0.92565 0.00049	9.50 0.93441 0.00052
9.70 0.93200 0.00051	9.60 0.93059 0.00050	9.60 0.93963 0.00052
9.80 0.93623 0.00050	9.70 0.93475 0.00050	9.70 0.94396 0.00053
9.90 0.94064 0.00048	9.80 0.93968 0.00051	9.80 0.94846 0.00050
10.00 0.94467 0.00050	9.90 0.94459 0.00054	9.90 0.95255 0.00052
10.10 0.94869 0.00049	10.00 0.94820 0.00052	10.00 0.95842 0.00050
10.20 0.95294 0.00050	10.10 0.95316 0.00049	10.10 0.96221 0.00052
10.30 0.95716 0.00050	10.20 0.95656 0.00051	10.20 0.96646 0.00053
10.40 0.96185 0.00052	10.30 0.96160 0.00051	10.30 0.97062 0.00049
10.50 0.96464 0.00050	10.40 0.96551 0.00050	10.40 0.97452 0.00051
10.60 0.96858 0.00050	10.50 0.96899 0.00051	10.50 0.97812 0.00052
10.70 0.97280 0.00048	10.60 0.97317 0.00049	10.60 0.98246 0.00050
10.80 0.97707 0.00048	10.70 0.97745 0.00050	10.70 0.98714 0.00053
10.90 0.98031 0.00048	10.80 0.98055 0.00050	10.80 0.99099 0.00054
11.00 0.98371 0.00049	10.90 0.98439 0.00050	10.90 0.99430 0.00055
11.10 0.98807 0.00049	11.00 0.98795 0.00051	11.00 0.99730 0.00051
11.20 0.99039 0.00049	11.10 0.99306 0.00051	11.10 1.00143 0.00052
11.30 0.99417 0.00047	11.20 0.99503 0.00049	11.20 1.00535 0.00051
11.40 0.99775 0.00049	11.30 0.99791 0.00050	11.30 1.00777 0.00051
11.50 1.00067 0.00050	11.40 1.00209 0.00050	
11.60 1.00467 0.00049	11.50 1.00531 0.00048	
	11.60 1.00824 0.00049	

3000	4000	5000
9.50 0.93271 0.00054	10.00 0.93006 0.00054	11.20 0.93242 0.00053
9.60 0.93809 0.00053	10.10 0.93585 0.00055	11.30 0.93532 0.00054
9.70 0.94317 0.00055	10.20 0.93914 0.00051	11.40 0.93990 0.00053
9.80 0.94750 0.00054	10.30 0.94312 0.00053	11.50 0.94272 0.00053
9.90 0.95250 0.00053	10.40 0.94798 0.00053	11.60 0.94623 0.00056
10.00 0.95643 0.00054	10.50 0.95207 0.00055	11.70 0.95048 0.00053
10.10 0.96121 0.00052	10.60 0.95623 0.00055	11.80 0.95231 0.00053
10.20 0.96491 0.00055	10.70 0.96056 0.00053	11.90 0.95601 0.00052
10.30 0.96976 0.00054	10.80 0.96381 0.00055	12.00 0.96019 0.00055
10.40 0.97449 0.00053	10.90 0.96868 0.00053	12.10 0.96328 0.00052
10.50 0.97873 0.00052	11.00 0.97176 0.00054	12.20 0.96596 0.00053
10.60 0.98247 0.00054	11.10 0.97528 0.00052	12.30 0.96930 0.00054
10.70 0.98548 0.00052	11.20 0.97915 0.00054	12.40 0.97253 0.00052
10.80 0.98891 0.00054	11.30 0.98234 0.00051	12.50 0.97581 0.00053
10.90 0.99378 0.00053	11.40 0.98620 0.00053	12.60 0.97759 0.00054
11.00 0.99763 0.00050	11.50 0.99028 0.00052	12.70 0.98079 0.00054
11.10 1.00108 0.00053	11.60 0.99362 0.00054	12.80 0.98317 0.00053
11.20 1.00412 0.00053	11.70 0.99601 0.00054	12.90 0.98675 0.00053
11.30 1.00738 0.00052	11.80 0.99940 0.00055	13.00 0.98868 0.00054
	11.90 1.00262 0.00052	13.10 0.99288 0.00053
	12.00 1.00602 0.00054	13.20 0.99467 0.00052
		13.30 0.99664 0.00053
		13.40 1.00082 0.00053
		13.50 1.00308 0.00054
		13.60 1.00494 0.00053

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6000	7000	7500
13.20 0.93365 0.00050	17.00 0.93593 0.00048	20.00 0.93204 0.00048
13.40 0.93859 0.00050	17.25 0.93966 0.00049	20.50 0.93579 0.00047
13.60 0.94311 0.00051	17.50 0.94328 0.00048	21.00 0.94069 0.00047
13.80 0.94847 0.00051	17.75 0.94730 0.00048	21.50 0.94510 0.00048
14.00 0.95280 0.00051	18.00 0.95036 0.00050	22.00 0.94924 0.00046
14.20 0.95771 0.00052	18.25 0.95281 0.00048	22.50 0.95359 0.00046
14.40 0.96282 0.00050	18.50 0.95682 0.00048	23.00 0.95730 0.00046
14.60 0.96651 0.00053	18.75 0.95983 0.00052	23.50 0.96051 0.00046
14.80 0.97140 0.00051	19.00 0.96306 0.00049	24.00 0.96398 0.00047
15.00 0.97571 0.00048	19.25 0.96602 0.00048	24.50 0.96809 0.00047
15.20 0.97960 0.00051	19.50 0.96823 0.00048	25.00 0.97126 0.00048
15.40 0.98355 0.00050	19.75 0.97117 0.00047	25.50 0.97286 0.00047
15.60 0.98628 0.00052	20.00 0.97352 0.00047	26.00 0.97671 0.00046
15.80 0.99040 0.00052	20.25 0.97572 0.00045	26.50 0.97933 0.00048
16.00 0.99463 0.00052	20.50 0.97920 0.00050	27.00 0.98253 0.00047
16.20 0.99777 0.00050	20.75 0.98114 0.00048	27.50 0.98416 0.00047
16.40 1.00073 0.00050	21.00 0.98318 0.00046	28.00 0.98653 0.00048
16.60 1.00374 0.00051	21.25 0.98625 0.00047	28.50 0.98816 0.00047
16.80 1.00708 0.00052	21.50 0.98783 0.00048	29.00 0.99028 0.00047
	21.75 0.98935 0.00049	29.50 0.99255 0.00047
	22.00 0.99262 0.00048	30.00 0.99421 0.00046
	22.25 0.99527 0.00048	30.50 0.99658 0.00046
	22.50 0.99608 0.00047	31.00 0.99821 0.00045
	22.75 0.99794 0.00048	31.50 0.99930 0.00047
	23.00 0.99898 0.00047	32.00 1.00120 0.00045
	23.25 1.00216 0.00047	32.50 1.00262 0.00045
	23.50 1.00341 0.00048	33.00 1.00373 0.00046
	23.75 1.00653 0.00049	33.50 1.00577 0.00045
	24.00 1.00765 0.00047	34.00 1.00697 0.00044
	24.25 1.00934 0.00045	
	24.50 1.01092 0.00047	

8000	9000	10000
26.00 0.92927 0.00045	999.98 0.90409 0.00040	999.98 0.77851 0.00033
28.00 0.93905 0.00046	999.99 0.90409 0.00040	999.99 0.77851 0.00033
30.00 0.94815 0.00045		
32.00 0.95441 0.00042		
34.00 0.96068 0.00044		
36.00 0.96587 0.00044		
38.00 0.96995 0.00044		
40.00 0.97361 0.00044		
42.00 0.97707 0.00043		
44.00 0.97969 0.00045		
46.00 0.98245 0.00043		
48.00 0.98389 0.00043		
50.00 0.98593 0.00043		
52.00 0.98857 0.00044		
54.00 0.99047 0.00044		
56.00 0.99156 0.00043		
58.00 0.99249 0.00043		
60.00 0.99354 0.00042		
62.00 0.99486 0.00042		
64.00 0.99523 0.00044		
66.00 0.99621 0.00043		
68.00 0.99709 0.00041		
70.00 0.99842 0.00044		
72.00 0.99884 0.00042		

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74.00	0.99986	0.00043
76.00	1.00014	0.00043
78.00	1.00099	0.00043
80.00	1.00231	0.00044
15000	18900	
999.98	0.61469	0.00027
999.99	0.61469	0.00027
	999.98	0.61413
	999.99	0.61413
	0.00024	0.00024

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999.98	0.06762	0.00002
999.99	0.06762	0.00002
	999.98	0.08368
	999.99	0.08368
	0.00002	0.00002
	999.98	0.09930
	999.99	0.09930
	0.00003	0.00003
40	45	50
999.98	0.12965	0.00003
999.99	0.12965	0.00003
	999.98	0.14441
	999.99	0.14441
	0.00004	0.00004
	999.98	0.15893
	999.99	0.15893
	0.00004	0.00004
55	60	65
999.98	0.17296	0.00004
999.99	0.17296	0.00004
	999.98	0.18700
	999.99	0.18700
	0.00005	0.00005
	999.98	0.20055
	999.99	0.20055
	0.00005	0.00005
70	80	100
999.98	0.21391	0.00005
999.99	0.21391	0.00005
	999.98	0.24010
	999.99	0.24010
	0.00006	0.00006
	999.98	0.28944
	999.99	0.28944
	0.00007	0.00007
130	150	170
999.98	0.35718	0.00009
999.99	0.35718	0.00009
	999.98	0.39886
	999.99	0.39886
	0.00010	0.00010
	999.98	0.43800
	999.99	0.43800
	0.00011	0.00011
200	350	400
999.98	0.49202	0.00011
999.99	0.49202	0.00011
	999.98	0.70253
	999.99	0.70253
	0.00016	0.00016
	999.98	0.75636
	999.99	0.75636
	0.00017	0.00017
500	650	800
999.98	0.84661	0.00020
999.99	0.84661	0.00020
	999.98	0.94978
	999.99	0.94978
	0.00023	0.00023
	18.00	0.93365
	19.00	0.94106
	20.00	0.94780
	21.00	0.95402
	22.00	0.95944
	23.00	0.96374
	24.00	0.96793
	25.00	0.97155
	26.00	0.97542
	27.00	0.97900
	28.00	0.98138
	29.00	0.98396
	30.00	0.98587
	31.00	0.98859
	32.00	0.99052
	33.00	0.99235
	34.00	0.99370
	35.00	0.99514
	36.00	0.99767
	37.00	0.99783
	38.00	1.00004
	39.00	1.00189
	40.00	0.00029
	40.00	1.00239
	0.00027	

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900			1000			1200		
15.00	0.94127	0.00035	12.00	0.92418	0.00039	9.00	0.88888	0.00043
15.25	0.94343	0.00035	12.25	0.92960	0.00039	9.20	0.89594	0.00044
15.50	0.94693	0.00035	12.50	0.93306	0.00039	9.40	0.90253	0.00041
15.75	0.95048	0.00035	12.75	0.93787	0.00039	9.60	0.90889	0.00042
16.00	0.95233	0.00034	13.00	0.94290	0.00037	9.80	0.91532	0.00042
16.25	0.95507	0.00035	13.25	0.94694	0.00038	10.00	0.92118	0.00043
16.50	0.95749	0.00035	13.50	0.95021	0.00037	10.20	0.92648	0.00042
16.75	0.96066	0.00034	13.75	0.95466	0.00037	10.40	0.93269	0.00040
17.00	0.96291	0.00035	14.00	0.95820	0.00037	10.60	0.93785	0.00043
17.25	0.96439	0.00034	14.25	0.96175	0.00037	10.80	0.94378	0.00042
17.50	0.96736	0.00035	14.50	0.96595	0.00038	11.00	0.94821	0.00042
17.75	0.96923	0.00036	14.75	0.96836	0.00037	11.20	0.95268	0.00043
18.00	0.97160	0.00034	15.00	0.97253	0.00035	11.40	0.95823	0.00043
18.25	0.97327	0.00033	15.25	0.97499	0.00036	11.60	0.96149	0.00040
18.50	0.97543	0.00034	15.50	0.97727	0.00037	11.80	0.96662	0.00042
18.75	0.97761	0.00035	15.75	0.98068	0.00036	12.00	0.96965	0.00040
19.00	0.97884	0.00033	16.00	0.98400	0.00035	12.20	0.97376	0.00041
19.25	0.98053	0.00032	16.25	0.98740	0.00036	12.40	0.97836	0.00042
19.50	0.98210	0.00033	16.50	0.98961	0.00035	12.60	0.98256	0.00041
19.75	0.98453	0.00034	16.75	0.99172	0.00037	12.80	0.98631	0.00040
20.00	0.98596	0.00033	17.00	0.99351	0.00036	13.00	0.98944	0.00040
20.25	0.98702	0.00034	17.25	0.99580	0.00036	13.20	0.99329	0.00041
20.50	0.98878	0.00033	17.50	0.99847	0.00036	13.40	0.99637	0.00041
20.75	0.99039	0.00032	17.75	1.00114	0.00036	13.60	0.99995	0.00040
21.00	0.99167	0.00034	18.00	1.00280	0.00036	13.80	1.00277	0.00041
21.25	0.99308	0.00033	18.25	1.00475	0.00034	14.00	1.00609	0.00039
21.50	0.99419	0.00032	18.50	1.00632	0.00034			
21.75	0.99559	0.00033						
22.00	0.99745	0.00032						
22.25	0.99803	0.00032						
22.50	0.99995	0.00033						
22.75	1.00102	0.00032						
23.00	1.00293	0.00032						
23.25	1.00335	0.00034						
23.50	1.00403	0.00033						
23.75	1.00485	0.00032						
24.00	1.00675	0.00032						

1500			1700			1900		
9.00	0.93195	0.00046	8.50	0.93216	0.00049	8.20	0.93403	0.00049
9.10	0.93615	0.00046	8.60	0.93678	0.00046	8.30	0.93793	0.00047
9.20	0.94028	0.00047	8.70	0.94076	0.00047	8.40	0.94203	0.00050
9.30	0.94384	0.00045	8.80	0.94484	0.00047	8.50	0.94639	0.00048
9.40	0.94656	0.00045	8.90	0.94846	0.00047	8.60	0.95137	0.00049
9.50	0.94967	0.00046	9.00	0.95173	0.00048	8.70	0.95494	0.00046
9.60	0.95436	0.00046	9.10	0.95666	0.00046	8.80	0.95872	0.00049
9.70	0.95664	0.00045	9.20	0.95941	0.00048	8.90	0.96293	0.00049
9.80	0.96032	0.00044	9.30	0.96370	0.00044	9.00	0.96569	0.00049
9.90	0.96321	0.00044	9.40	0.96697	0.00047	9.10	0.96955	0.00049
10.00	0.96695	0.00044	9.50	0.96900	0.00045	9.20	0.97327	0.00048
10.10	0.96872	0.00046	9.60	0.97379	0.00047	9.30	0.97835	0.00048
10.20	0.97180	0.00045	9.70	0.97608	0.00046	9.40	0.98055	0.00047
10.30	0.97492	0.00045	9.80	0.97942	0.00047	9.50	0.98428	0.00050
10.40	0.97750	0.00044	9.90	0.98235	0.00045	9.60	0.98761	0.00047
10.50	0.98000	0.00043	10.00	0.98607	0.00047	9.70	0.99003	0.00046
10.60	0.98415	0.00046	10.10	0.98914	0.00046	9.80	0.99393	0.00046
10.70	0.98644	0.00045	10.20	0.99180	0.00046	9.90	0.99745	0.00048
10.80	0.98891	0.00045	10.30	0.99560	0.00046	10.00	1.00060	0.00047
10.90	0.99124	0.00045	10.40	0.99819	0.00048	10.10	1.00420	0.00048
11.00	0.99367	0.00044	10.50	1.00129	0.00048	10.20	1.00764	0.00047

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11.10	0.99639	0.00044	10.60	1.00404	0.00046
11.20	0.99897	0.00046	10.70	1.00664	0.00045
11.30	1.00132	0.00045	10.80	1.01009	0.00047
11.40	1.00391	0.00043			
11.50	1.00659	0.00045			
11.60	1.00779	0.00044			

	2000	2100	2500		
8.00	0.93101	0.00049	8.00	0.93486	0.00048
8.10	0.93413	0.00048	8.10	0.93941	0.00050
8.20	0.93900	0.00049	8.20	0.94378	0.00049
8.30	0.94409	0.00051	8.30	0.94778	0.00049
8.40	0.94748	0.00048	8.40	0.95278	0.00047
8.50	0.95218	0.00047	8.50	0.95698	0.00048
8.60	0.95679	0.00048	8.60	0.96059	0.00047
8.70	0.96025	0.00048	8.70	0.96514	0.00047
8.80	0.96516	0.00049	8.80	0.96751	0.00050
8.90	0.96805	0.00049	8.90	0.97275	0.00048
9.00	0.97214	0.00048	9.00	0.97621	0.00049
9.10	0.97525	0.00050	9.10	0.98068	0.00050
9.20	0.97931	0.00048	9.20	0.98452	0.00049
9.30	0.98265	0.00050	9.30	0.98751	0.00049
9.40	0.98627	0.00047	9.40	0.99170	0.00049
9.50	0.99017	0.00049	9.50	0.99420	0.00047
9.60	0.99309	0.00049	9.60	0.99792	0.00050
9.70	0.99652	0.00050	9.70	1.00150	0.00049
9.80	0.99947	0.00050	9.80	1.00496	0.00049
9.90	1.00335	0.00046	9.90	1.00800	0.00051
10.00	1.00563	0.00048	10.00	1.01101	0.00051
10.10	1.00987	0.00048			
10.20	1.01133	0.00049			

	3000	4000	5000		
7.60	0.92550	0.00052	8.00	0.92239	0.00055
7.70	0.93051	0.00053	8.10	0.92605	0.00053
7.80	0.93483	0.00053	8.20	0.93114	0.00054
7.90	0.94028	0.00054	8.30	0.93650	0.00053
8.00	0.94474	0.00051	8.40	0.94037	0.00053
8.10	0.94963	0.00051	8.50	0.94496	0.00053
8.20	0.95431	0.00053	8.60	0.94861	0.00053
8.30	0.95829	0.00052	8.70	0.95275	0.00053
8.40	0.96305	0.00053	8.80	0.95773	0.00055
8.50	0.96634	0.00054	8.90	0.96047	0.00055
8.60	0.97172	0.00053	9.00	0.96419	0.00053
8.70	0.97556	0.00053	9.10	0.96942	0.00053
8.80	0.97968	0.00051	9.20	0.97278	0.00053
8.90	0.98371	0.00052	9.30	0.97615	0.00055
9.00	0.98882	0.00053	9.40	0.98022	0.00054
9.10	0.99159	0.00052	9.50	0.98218	0.00051
9.20	0.99676	0.00052	9.60	0.98714	0.00054
9.30	0.99961	0.00051	9.70	0.99109	0.00052
9.40	1.00224	0.00052	9.80	0.99422	0.00055
9.50	1.00693	0.00051	9.90	0.99690	0.00052
9.60	1.00885	0.00052	10.00	0.99963	0.00053
9.70	1.01331	0.00049	10.10	1.00415	0.00054
9.80	1.01725	0.00052	10.20	1.00651	0.00054
9.90	1.01979	0.00052	10.30	1.01098	0.00052
10.00	1.02390	0.00050	10.40	1.01309	0.00053

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6000	7000	7500
11.20 0.93455 0.00051	15.00 0.93828 0.00050	18.00 0.93375 0.00049
11.30 0.93769 0.00052	15.25 0.94150 0.00050	18.50 0.93805 0.00049
11.40 0.93957 0.00050	15.50 0.94569 0.00049	19.00 0.94322 0.00047
11.50 0.94149 0.00049	15.75 0.94909 0.00049	19.50 0.94743 0.00049
11.60 0.94535 0.00051	16.00 0.95284 0.00050	20.00 0.95190 0.00048
11.70 0.94676 0.00052	16.25 0.95508 0.00050	20.50 0.95527 0.00046
11.80 0.94914 0.00052	16.50 0.95853 0.00049	21.00 0.95865 0.00048
11.90 0.95229 0.00052	16.75 0.96115 0.00048	21.50 0.96260 0.00045
12.00 0.95403 0.00051	17.00 0.96385 0.00049	22.00 0.96589 0.00047
12.10 0.95606 0.00053	17.25 0.96608 0.00049	22.50 0.96882 0.00048
12.20 0.95941 0.00051	17.50 0.96937 0.00050	23.00 0.97147 0.00046
12.30 0.96140 0.00052	17.75 0.97296 0.00048	23.50 0.97409 0.00045
12.40 0.96249 0.00054	18.00 0.97541 0.00048	24.00 0.97727 0.00046
12.50 0.96565 0.00051	18.25 0.97820 0.00050	24.50 0.97969 0.00047
12.60 0.96839 0.00049	18.50 0.97965 0.00049	25.00 0.98290 0.00046
12.70 0.96934 0.00050	18.75 0.98163 0.00049	25.50 0.98534 0.00046
12.80 0.97188 0.00050	19.00 0.98475 0.00049	26.00 0.98617 0.00047
12.90 0.97400 0.00050	19.25 0.98758 0.00049	26.50 0.98966 0.00046
13.00 0.97547 0.00049	19.50 0.98943 0.00048	27.00 0.99163 0.00045
13.10 0.97741 0.00051	19.75 0.99136 0.00049	27.50 0.99421 0.00048
13.20 0.97991 0.00050	20.00 0.99457 0.00048	28.00 0.99490 0.00045
13.30 0.98152 0.00050	20.25 0.99487 0.00049	28.50 0.99659 0.00045
13.40 0.98419 0.00048	20.50 0.99736 0.00047	29.00 0.99869 0.00046
13.50 0.98621 0.00052	20.75 0.99865 0.00049	29.50 1.00094 0.00046
13.60 0.98631 0.00051	21.00 1.00073 0.00048	30.00 1.00170 0.00046
13.70 0.98975 0.00051	21.25 1.00227 0.00048	30.50 1.00259 0.00046
13.80 0.99020 0.00050	21.50 1.00427 0.00048	31.00 1.00491 0.00047
13.90 0.99237 0.00052	21.75 1.00660 0.00048	
14.00 0.99281 0.00050	22.00 1.00800 0.00048	
14.10 0.99581 0.00052		
14.20 0.99788 0.00050		
14.30 0.99993 0.00050		
14.40 1.00075 0.00051		
14.50 1.00282 0.00050		
14.60 1.00383 0.00051		

8000	9000	10000
24.00 0.93126 0.00047	999.98 0.90409 0.00040	999.98 0.77851 0.00033
26.00 0.94083 0.00046	999.99 0.90409 0.00040	999.99 0.77851 0.00033
28.00 0.94836 0.00043		
30.00 0.95558 0.00045		
32.00 0.96161 0.00045		
34.00 0.96573 0.00047		
36.00 0.97043 0.00044		
38.00 0.97403 0.00043		
40.00 0.97754 0.00043		
42.00 0.97986 0.00045		
44.00 0.98118 0.00046		
46.00 0.98370 0.00044		
48.00 0.98569 0.00043		
50.00 0.98861 0.00043		
52.00 0.98991 0.00043		
54.00 0.99133 0.00042		
56.00 0.99218 0.00044		
58.00 0.99416 0.00042		
60.00 0.99468 0.00043		
62.00 0.99560 0.00045		

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64.00	0.99660	0.00042
66.00	0.99724	0.00043
68.00	0.99795	0.00043
70.00	0.99850	0.00042
72.00	0.99901	0.00042
74.00	0.99932	0.00044
76.00	1.00050	0.00044
78.00	1.00134	0.00042

15000			18900		
999.98	0.61469	0.00027	999.98	0.61413	0.00024
999.99	0.61469	0.00027	999.99	0.61413	0.00024

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999.99	0.06762	0.00002	999.99	0.08368	0.00002
40		45		50	
999.98	0.12965	0.00003	999.98	0.14441	0.00004
999.99	0.12965	0.00003	999.99	0.14441	0.00004
55		60		65	
999.98	0.17296	0.00004	999.98	0.18700	0.00005
999.99	0.17296	0.00004	999.99	0.18700	0.00005
70		80		100	
999.98	0.21391	0.00005	999.98	0.24010	0.00006
999.99	0.21391	0.00005	999.99	0.24010	0.00006
130		150		170	
999.98	0.35718	0.00009	999.98	0.39886	0.00010
999.99	0.35718	0.00009	999.99	0.39886	0.00010
200		350		400	
999.98	0.49202	0.00011	999.98	0.70253	0.00016
999.99	0.49202	0.00011	999.99	0.70253	0.00016
500		650		800	
999.98	0.84661	0.00020	999.98	0.94978	0.00023
999.99	0.84661	0.00020	999.99	0.94978	0.00023
16.00	0.92761	0.00031	17.00	0.93612	0.00032
18.00	0.94302	0.00031	19.00	0.94890	0.00031
20.00	0.95494	0.00031	21.00	0.96022	0.00031
22.00	0.96423	0.00030	23.00	0.96869	0.00030
24.00	0.97325	0.00029	25.00	0.97616	0.00029
26.00	0.97870	0.00028	27.00	0.98180	0.00028
28.00	0.98465	0.00029	29.00	0.98714	0.00029

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30.00	0.98865	0.00028
31.00	0.99115	0.00028
32.00	0.99278	0.00029
33.00	0.99452	0.00027
34.00	0.99584	0.00027
35.00	0.99830	0.00028
36.00	0.99919	0.00028
37.00	0.99984	0.00027
38.00	1.00175	0.00027
39.00	1.00238	0.00027
40.00	1.00368	0.00026

900	1000	1200
12.00 0.91606 0.00035	10.40 0.91729 0.00036	9.00 0.92931 0.00040
12.50 0.92382 0.00035	10.60 0.92226 0.00036	9.05 0.93137 0.00041
13.00 0.93139 0.00036	10.80 0.92508 0.00038	9.10 0.93288 0.00039
13.50 0.93764 0.00035	11.00 0.92923 0.00038	9.15 0.93397 0.00041
14.00 0.94413 0.00033	11.20 0.93318 0.00036	9.20 0.93543 0.00040
14.50 0.94961 0.00034	11.40 0.93724 0.00037	9.25 0.93750 0.00040
15.00 0.95551 0.00034	11.60 0.94087 0.00037	9.30 0.93819 0.00038
15.50 0.96004 0.00034	11.80 0.94412 0.00036	9.35 0.94067 0.00039
16.00 0.96516 0.00034	12.00 0.94725 0.00036	9.40 0.94118 0.00039
16.50 0.96969 0.00034	12.20 0.95007 0.00036	9.45 0.94222 0.00041
17.00 0.97414 0.00032	12.40 0.95330 0.00036	9.50 0.94332 0.00039
17.50 0.97768 0.00031	12.60 0.95733 0.00036	9.55 0.94507 0.00040
18.00 0.98143 0.00033	12.80 0.96010 0.00036	9.60 0.94571 0.00041
18.50 0.98446 0.00031	13.00 0.96227 0.00038	9.65 0.94805 0.00038
19.00 0.98766 0.00032	13.20 0.96498 0.00035	9.70 0.94895 0.00041
19.50 0.99033 0.00032	13.40 0.96808 0.00036	9.75 0.94901 0.00039
20.00 0.99274 0.00031	13.60 0.97033 0.00036	9.80 0.95082 0.00040
20.50 0.99606 0.00032	13.80 0.97327 0.00035	9.85 0.95152 0.00040
21.00 0.99875 0.00032	14.00 0.97513 0.00035	9.90 0.95358 0.00040
21.50 1.00156 0.00032	14.20 0.97750 0.00036	9.95 0.95413 0.00041
22.00 1.00386 0.00032	14.40 0.98011 0.00034	10.00 0.95641 0.00040
	14.60 0.98278 0.00035	10.05 0.95610 0.00041
	14.80 0.98432 0.00035	10.10 0.95865 0.00039
	15.00 0.98715 0.00034	10.15 0.95949 0.00040
	15.20 0.98901 0.00036	10.20 0.96022 0.00041
	15.40 0.99037 0.00034	10.25 0.96183 0.00040
	15.60 0.99283 0.00033	10.30 0.96255 0.00039
	15.80 0.99513 0.00035	10.35 0.96419 0.00040
	16.00 0.99659 0.00034	10.40 0.96482 0.00039
	16.20 0.99840 0.00035	10.45 0.96597 0.00040
	16.40 1.00045 0.00034	10.50 0.96682 0.00039
	16.60 1.00244 0.00034	10.55 0.96811 0.00039
	16.80 1.00394 0.00034	10.60 0.96923 0.00040
		10.65 0.97049 0.00040
		10.70 0.97130 0.00039
		10.75 0.97325 0.00039
		10.80 0.97381 0.00039
		10.85 0.97416 0.00040
		10.90 0.97554 0.00040
		10.95 0.97653 0.00040
		11.00 0.97771 0.00040
		11.05 0.97831 0.00041
		11.10 0.97891 0.00039
		11.15 0.97986 0.00039
		11.20 0.98092 0.00039

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11.25	0.98162	0.00038
11.30	0.98307	0.00038
11.35	0.98422	0.00038
11.40	0.98482	0.00038
11.45	0.98601	0.00038
11.50	0.98680	0.00039
11.55	0.98745	0.00039
11.60	0.98812	0.00038
11.65	0.98931	0.00038
11.70	0.99052	0.00040
11.75	0.99069	0.00039
11.80	0.99174	0.00040
11.85	0.99293	0.00038
11.90	0.99438	0.00038
11.95	0.99454	0.00040
12.00	0.99607	0.00039
12.05	0.99663	0.00039
12.10	0.99801	0.00039
12.15	0.99789	0.00039
12.20	0.99856	0.00039
12.25	0.99973	0.00037
12.30	1.00063	0.00038
12.35	1.00135	0.00039
12.40	1.00248	0.00039
12.45	1.00259	0.00041
12.50	1.00413	0.00037

1500	1700	1900
7.50 0.92839 0.00044	7.20 0.93738 0.00044	6.60 0.92814 0.00047
7.60 0.93117 0.00042	7.30 0.94180 0.00045	6.70 0.93313 0.00045
7.70 0.93645 0.00045	7.40 0.94531 0.00044	6.80 0.93686 0.00047
7.80 0.94005 0.00045	7.50 0.94908 0.00044	6.90 0.94103 0.00047
7.90 0.94374 0.00044	7.60 0.95381 0.00045	7.00 0.94525 0.00047
8.00 0.94669 0.00041	7.70 0.95764 0.00045	7.10 0.94913 0.00046
8.10 0.94875 0.00043	7.80 0.96064 0.00044	7.20 0.95388 0.00046
8.20 0.95301 0.00042	7.90 0.96382 0.00045	7.30 0.95798 0.00045
8.30 0.95665 0.00043	8.00 0.96717 0.00043	7.40 0.96210 0.00044
8.40 0.95954 0.00045	8.10 0.97154 0.00045	7.50 0.96550 0.00045
8.50 0.96226 0.00044	8.20 0.97364 0.00045	7.60 0.96958 0.00044
8.60 0.96584 0.00044	8.30 0.97815 0.00043	7.70 0.97301 0.00045
8.70 0.96907 0.00044	8.40 0.98030 0.00045	7.80 0.97696 0.00046
8.80 0.97114 0.00041	8.50 0.98395 0.00043	7.90 0.98031 0.00046
8.90 0.97501 0.00042	8.60 0.98796 0.00045	8.00 0.98306 0.00046
9.00 0.97868 0.00044	8.70 0.99079 0.00044	8.10 0.98657 0.00045
9.10 0.98038 0.00042	8.80 0.99350 0.00043	8.20 0.99023 0.00048
9.20 0.98305 0.00042	8.90 0.99602 0.00044	8.30 0.99410 0.00045
9.30 0.98613 0.00044	9.00 0.99990 0.00045	8.40 0.99680 0.00047
9.40 0.98884 0.00041	9.10 1.00242 0.00045	8.50 0.99979 0.00045
9.50 0.99205 0.00042	9.20 1.00537 0.00044	8.60 1.00324 0.00044
9.60 0.99392 0.00043		8.70 1.00658 0.00045
9.70 0.99607 0.00042		8.80 1.01015 0.00045
9.80 0.99918 0.00043		8.90 1.01253 0.00045
9.90 1.00163 0.00041		9.00 1.01628 0.00045
10.00 1.00343 0.00043		

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2000	2100	2500
6.60 0.93401 0.00046	6.40 0.93003 0.00049	6.00 0.92520 0.00046
6.70 0.93934 0.00046	6.50 0.93528 0.00046	6.10 0.92963 0.00045
6.80 0.94350 0.00047	6.60 0.94030 0.00046	6.20 0.93372 0.00049
6.90 0.94703 0.00047	6.70 0.94374 0.00048	6.30 0.94008 0.00048
7.00 0.95074 0.00047	6.80 0.94807 0.00048	6.40 0.94479 0.00049
7.10 0.95575 0.00045	6.90 0.95335 0.00047	6.50 0.94893 0.00048
7.20 0.95987 0.00046	7.00 0.95709 0.00046	6.60 0.95379 0.00047
7.30 0.96364 0.00047	7.10 0.96138 0.00047	6.70 0.95829 0.00047
7.40 0.96832 0.00045	7.20 0.96588 0.00047	6.80 0.96247 0.00047
7.50 0.97188 0.00046	7.30 0.96941 0.00046	6.90 0.96744 0.00047
7.60 0.97569 0.00046	7.40 0.97336 0.00047	7.00 0.97135 0.00047
7.70 0.97996 0.00045	7.50 0.97698 0.00044	7.10 0.97517 0.00047
7.80 0.98391 0.00045	7.60 0.98136 0.00045	7.20 0.97936 0.00048
7.90 0.98568 0.00045	7.70 0.98459 0.00048	7.30 0.98442 0.00048
8.00 0.99054 0.00047	7.80 0.98795 0.00047	7.40 0.98731 0.00048
8.10 0.99361 0.00045	7.90 0.99225 0.00047	7.50 0.99140 0.00048
8.20 0.99766 0.00047	8.00 0.99521 0.00044	7.60 0.99489 0.00047
8.30 1.00039 0.00045	8.10 0.99939 0.00048	7.70 0.99932 0.00048
8.40 1.00383 0.00046	8.20 1.00269 0.00046	7.80 1.00229 0.00048
8.50 1.00818 0.00046	8.30 1.00553 0.00046	7.90 1.00545 0.00048
8.60 1.01006 0.00045	8.40 1.00943 0.00045	8.00 1.00897 0.00048

3000	4000	5000
6.00 0.93149 0.00050	6.40 0.93888 0.00049	7.20 0.93943 0.00052
6.10 0.93586 0.00049	6.50 0.94200 0.00051	7.30 0.94379 0.00050
6.20 0.94157 0.00050	6.60 0.94768 0.00049	7.40 0.94638 0.00052
6.30 0.94518 0.00048	6.70 0.95171 0.00049	7.50 0.95024 0.00050
6.40 0.95006 0.00050	6.80 0.95599 0.00050	7.60 0.95450 0.00049
6.50 0.95434 0.00049	6.90 0.95972 0.00051	7.70 0.95568 0.00052
6.60 0.95931 0.00050	7.00 0.96406 0.00050	7.80 0.95919 0.00051
6.70 0.96315 0.00049	7.10 0.96645 0.00049	7.90 0.96282 0.00049
6.80 0.96815 0.00050	7.20 0.97136 0.00050	8.00 0.96627 0.00049
6.90 0.97196 0.00049	7.30 0.97602 0.00052	8.10 0.96981 0.00049
7.00 0.97683 0.00050	7.40 0.97851 0.00050	8.20 0.97160 0.00049
7.10 0.98061 0.00050	7.50 0.98217 0.00050	8.30 0.97461 0.00052
7.20 0.98500 0.00049	7.60 0.98642 0.00053	8.40 0.97815 0.00050
7.30 0.98899 0.00050	7.70 0.98967 0.00048	8.50 0.98168 0.00049
7.40 0.99298 0.00048	7.80 0.99427 0.00050	8.60 0.98393 0.00052
7.50 0.99596 0.00049	7.90 0.99608 0.00049	8.70 0.98686 0.00049
7.60 0.99984 0.00048	8.00 1.00018 0.00049	8.80 0.98919 0.00051
7.70 1.00387 0.00049	8.10 1.00353 0.00049	8.90 0.99169 0.00049
7.80 1.00691 0.00047	8.20 1.00638 0.00050	9.00 0.99449 0.00048
7.90 1.01045 0.00049		9.10 0.99692 0.00051
8.00 1.01439 0.00048		9.20 1.00026 0.00048
		9.30 1.00298 0.00050
		9.40 1.00508 0.00051

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6000	7000	7500
8.40 0.93101 0.00050	11.40 0.93333 0.00046	14.00 0.93016 0.00048
8.60 0.93706 0.00048	11.60 0.93714 0.00046	14.50 0.93614 0.00047
8.80 0.94188 0.00048	11.80 0.93982 0.00047	15.00 0.94073 0.00047
9.00 0.94674 0.00049	12.00 0.94140 0.00048	15.50 0.94449 0.00047
9.20 0.95190 0.00050	12.20 0.94538 0.00049	16.00 0.94868 0.00047
9.40 0.95634 0.00049	12.40 0.94821 0.00047	16.50 0.95232 0.00047
9.60 0.96171 0.00050	12.60 0.95072 0.00047	17.00 0.95622 0.00047
9.80 0.96526 0.00051	12.80 0.95226 0.00046	17.50 0.96045 0.00046
10.00 0.96939 0.00049	13.00 0.95547 0.00047	18.00 0.96369 0.00046
10.20 0.97348 0.00048	13.20 0.95922 0.00048	18.50 0.96740 0.00047
10.40 0.97700 0.00050	13.40 0.96043 0.00046	19.00 0.96892 0.00047
10.60 0.98076 0.00049	13.60 0.96363 0.00048	19.50 0.97291 0.00047
10.80 0.98438 0.00050	13.80 0.96508 0.00049	20.00 0.97593 0.00047
11.00 0.98895 0.00049	14.00 0.96768 0.00046	20.50 0.97848 0.00045
11.20 0.99235 0.00049	14.20 0.96905 0.00047	21.00 0.98138 0.00047
11.40 0.99577 0.00052	14.40 0.97128 0.00048	21.50 0.98310 0.00044
11.60 0.99853 0.00048	14.60 0.97454 0.00047	22.00 0.98534 0.00046
11.80 1.00244 0.00048	14.80 0.97653 0.00049	22.50 0.98735 0.00043
12.00 1.00494 0.00049	15.00 0.97779 0.00046	23.00 0.99044 0.00046
	15.20 0.97854 0.00047	23.50 0.99210 0.00047
	15.40 0.98089 0.00048	24.00 0.99464 0.00045
	15.60 0.98347 0.00048	24.50 0.99605 0.00047
	15.80 0.98539 0.00047	25.00 0.99712 0.00045
	16.00 0.98774 0.00047	25.50 0.99997 0.00046
	16.20 0.98839 0.00047	26.00 1.00090 0.00045
	16.40 0.99038 0.00046	26.50 1.00258 0.00044
	16.60 0.99179 0.00048	27.00 1.00466 0.00044
	16.80 0.99396 0.00045	
	17.00 0.99574 0.00047	
	17.20 0.99659 0.00048	
	17.40 0.99817 0.00049	
	17.60 0.99981 0.00046	
	17.80 1.00177 0.00048	
	18.00 1.00201 0.00047	
	18.20 1.00394 0.00047	
	18.40 1.00618 0.00047	

8000	9000	10000
20.00 0.93238 0.00045	999.98 0.90409 0.00040	999.98 0.77851 0.00033
22.00 0.94153 0.00044	999.99 0.90409 0.00040	999.99 0.77851 0.00033
24.00 0.95041 0.00046		
26.00 0.95678 0.00044		
28.00 0.96158 0.00044		
30.00 0.96657 0.00044		
32.00 0.97015 0.00043		
34.00 0.97441 0.00044		
36.00 0.97675 0.00046		
38.00 0.98003 0.00045		
40.00 0.98257 0.00043		
42.00 0.98455 0.00044		
44.00 0.98684 0.00043		
46.00 0.98814 0.00042		
48.00 0.99011 0.00044		
50.00 0.99112 0.00044		
52.00 0.99186 0.00045		
54.00 0.99340 0.00044		
56.00 0.99582 0.00044		

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58.00	0.99540	0.00044
60.00	0.99639	0.00042
62.00	0.99770	0.00042
64.00	0.99818	0.00043
66.00	0.99852	0.00043
68.00	0.99928	0.00043
70.00	1.00045	0.00042
72.00	0.99901	0.00044
74.00	1.00065	0.00044

15000			18900		
999.98	0.61469	0.00027	999.98	0.61413	0.00024
999.99	0.61469	0.00027	999.99	0.61413	0.00024

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20		25		30	
999.98	0.08045	0.00002	999.98	0.09936	0.00002
999.99	0.08045	0.00002	999.99	0.09936	0.00002
40		45		50	
999.98	0.15357	0.00004	999.98	0.17069	0.00004
999.99	0.15357	0.00004	999.99	0.17069	0.00004
55		60		65	
999.98	0.20401	0.00005	999.98	0.22016	0.00006
999.99	0.20401	0.00005	999.99	0.22016	0.00006
70		80		100	
999.98	0.25131	0.00006	999.98	0.28120	0.00007
999.99	0.25131	0.00006	999.99	0.28120	0.00007
130		150		170	
999.98	0.41369	0.00010	999.98	0.46008	0.00011
999.99	0.41369	0.00010	999.99	0.46008	0.00011
200		350		400	
999.98	0.56214	0.00013	999.98	0.78607	0.00017
999.99	0.56214	0.00013	999.99	0.78607	0.00017
500		650		800	
999.98	0.93283	0.00022	18.00	0.92809	0.00033
999.99	0.93283	0.00022	18.50	0.93340	0.00032
			19.00	0.93718	0.00032
			19.50	0.94188	0.00032
			20.00	0.94535	0.00033
			20.50	0.94950	0.00033
			21.00	0.95314	0.00031
			21.50	0.95644	0.00033
			22.00	0.95982	0.00032
			22.50	0.96221	0.00031
			23.00	0.96454	0.00030
			23.50	0.96726	0.00030
			24.00	0.96930	0.00030

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24.50	0.97216	0.00032	16.60	0.97941	0.00037
25.00	0.97430	0.00030	16.80	0.98245	0.00036
25.50	0.97681	0.00030	17.00	0.98476	0.00036
26.00	0.97858	0.00029	17.20	0.98678	0.00036
26.50	0.97983	0.00030	17.40	0.98947	0.00035
27.00	0.98249	0.00030	17.60	0.99257	0.00036
27.50	0.98338	0.00030	17.80	0.99360	0.00037
28.00	0.98564	0.00029	18.00	0.99550	0.00037
28.50	0.98635	0.00029	18.20	0.99791	0.00037
29.00	0.98834	0.00031	18.40	0.99997	0.00036
29.50	0.99026	0.00029	18.60	1.00151	0.00036
30.00	0.99128	0.00029	18.80	1.00394	0.00037
30.50	0.99243	0.00030	19.00	1.00561	0.00035
31.00	0.99430	0.00029			
31.50	0.99472	0.00029			
32.00	0.99664	0.00028			
32.50	0.99715	0.00029			
33.00	0.99815	0.00029			
33.50	0.99911	0.00029			
34.00	0.99999	0.00028			
34.50	1.00134	0.00028			
35.00	1.00194	0.00027			

900	1000	1200						
12.00	0.92716	0.00041	11.20	0.92978	0.00044	10.00	0.92649	0.00048
12.20	0.93275	0.00040	11.30	0.93366	0.00043	10.10	0.92988	0.00046
12.40	0.93729	0.00041	11.40	0.93676	0.00043	10.20	0.93412	0.00047
12.60	0.94314	0.00042	11.50	0.93961	0.00043	10.30	0.93745	0.00048
12.80	0.94742	0.00043	11.60	0.94324	0.00043	10.40	0.94154	0.00046
13.00	0.95197	0.00042	11.70	0.94479	0.00043	10.50	0.94516	0.00048
13.20	0.95685	0.00041	11.80	0.94875	0.00044	10.60	0.94863	0.00047
13.40	0.96054	0.00041	11.90	0.95077	0.00043	10.70	0.95289	0.00047
13.60	0.96529	0.00038	12.00	0.95418	0.00042	10.80	0.95584	0.00046
13.80	0.96887	0.00039	12.10	0.95713	0.00044	10.90	0.96000	0.00047
14.00	0.97389	0.00039	12.20	0.95910	0.00044	11.00	0.96376	0.00046
14.20	0.97724	0.00040	12.30	0.96221	0.00043	11.10	0.96719	0.00044
14.40	0.98057	0.00040	12.40	0.96399	0.00041	11.20	0.97098	0.00046
14.60	0.98481	0.00040	12.50	0.96758	0.00040	11.30	0.97364	0.00045
14.80	0.98787	0.00040	12.60	0.96992	0.00044	11.40	0.97717	0.00047
15.00	0.99134	0.00040	12.70	0.97218	0.00042	11.50	0.98139	0.00047
15.20	0.99412	0.00038	12.80	0.97514	0.00045	11.60	0.98364	0.00046
15.40	0.99631	0.00039	12.90	0.97726	0.00042	11.70	0.98638	0.00047
15.60	1.00042	0.00038	13.00	0.97927	0.00041	11.80	0.98851	0.00046
15.80	1.00341	0.00038	13.10	0.98126	0.00042	11.90	0.99292	0.00044
16.00	1.00628	0.00040	13.20	0.98460	0.00042	12.00	0.99512	0.00046
			13.30	0.98655	0.00042	12.10	0.99748	0.00044
			13.40	0.98887	0.00043	12.20	1.00110	0.00044
			13.50	0.99041	0.00042			
			13.60	0.99304	0.00044			
			13.70	0.99508	0.00042			
			13.80	0.99729	0.00043			
			13.90	0.99991	0.00041			
			14.00	1.00181	0.00040			
			14.10	1.00359	0.00040			
			14.20	1.00468	0.00042			

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1500	1700	1900
9.40 0.93568 0.00050	9.00 0.93169 0.00051	8.70 0.92432 0.00054
9.50 0.94034 0.00050	9.10 0.93617 0.00051	8.80 0.92971 0.00053
9.60 0.94521 0.00049	9.20 0.94028 0.00051	8.90 0.93483 0.00053
9.70 0.94973 0.00052	9.30 0.94604 0.00051	9.00 0.93991 0.00055
9.80 0.95534 0.00049	9.40 0.95112 0.00051	9.10 0.94541 0.00054
9.90 0.95779 0.00051	9.50 0.95482 0.00052	9.20 0.95213 0.00052
10.00 0.96318 0.00050	9.60 0.96142 0.00053	9.30 0.95663 0.00052
10.10 0.96771 0.00048	9.70 0.96550 0.00052	9.40 0.96098 0.00053
10.20 0.97196 0.00049	9.80 0.97009 0.00050	9.50 0.96585 0.00053
10.30 0.97593 0.00049	9.90 0.97478 0.00052	9.60 0.97054 0.00051
10.40 0.98031 0.00049	10.00 0.97971 0.00051	9.70 0.97527 0.00052
10.50 0.98337 0.00048	10.10 0.98307 0.00050	9.80 0.98027 0.00051
10.60 0.98769 0.00051	10.20 0.98882 0.00051	9.90 0.98527 0.00052
10.70 0.99168 0.00049	10.30 0.99080 0.00051	10.00 0.98966 0.00054
10.80 0.99518 0.00049	10.40 0.99629 0.00052	10.10 0.99390 0.00051
10.90 0.99866 0.00047	10.50 0.99910 0.00051	10.20 0.99983 0.00051
11.00 1.00184 0.00047	10.60 1.00324 0.00050	10.30 1.00244 0.00052
11.10 1.00590 0.00047	10.70 1.00677 0.00049	10.40 1.00750 0.00050
11.20 1.00930 0.00048	10.80 1.01258 0.00051	10.50 1.01095 0.00053
11.30 1.01258 0.00049	10.90 1.01592 0.00050	
11.40 1.01614 0.00048	11.00 1.01938 0.00051	

2000	2100	2500
8.60 0.92085 0.00052	8.60 0.92384 0.00053	8.50 0.92179 0.00055
8.70 0.92748 0.00053	8.70 0.92912 0.00053	8.60 0.92691 0.00055
8.80 0.93316 0.00055	8.80 0.93471 0.00056	8.70 0.93299 0.00056
8.90 0.93845 0.00053	8.90 0.94114 0.00053	8.80 0.93906 0.00056
9.00 0.94448 0.00055	9.00 0.94708 0.00055	8.90 0.94529 0.00056
9.10 0.94963 0.00053	9.10 0.95234 0.00054	9.00 0.95177 0.00055
9.20 0.95525 0.00052	9.20 0.95685 0.00054	9.10 0.95676 0.00055
9.30 0.96083 0.00052	9.30 0.96333 0.00054	9.20 0.96158 0.00053
9.40 0.96545 0.00055	9.40 0.96789 0.00055	9.30 0.96753 0.00054
9.50 0.97086 0.00052	9.50 0.97226 0.00052	9.40 0.97239 0.00053
9.60 0.97476 0.00053	9.60 0.97793 0.00054	9.50 0.97850 0.00054
9.70 0.97917 0.00054	9.70 0.98298 0.00053	9.60 0.98150 0.00054
9.80 0.98452 0.00051	9.80 0.98731 0.00052	9.70 0.98722 0.00054
9.90 0.99003 0.00053	9.90 0.99220 0.00056	9.80 0.99320 0.00052
10.00 0.99385 0.00054	10.00 0.99741 0.00052	9.90 0.99621 0.00057
10.10 0.99829 0.00052	10.10 1.00043 0.00054	10.00 1.00119 0.00056
10.20 1.00296 0.00050	10.20 1.00542 0.00052	10.10 1.00598 0.00053
10.30 1.00748 0.00052	10.30 1.01042 0.00054	10.20 1.01085 0.00053
10.40 1.01062 0.00053	10.40 1.01431 0.00054	10.30 1.01538 0.00056
10.50 1.01553 0.00053	10.50 1.01787 0.00053	10.40 1.01942 0.00054
		10.50 1.02415 0.00052

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3000	4000	5000
8.60 0.92191 0.00056	9.50 0.93904 0.00058	10.50 0.93478 0.00055
8.70 0.92721 0.00055	9.55 0.94137 0.00056	10.60 0.93889 0.00055
8.80 0.93371 0.00054	9.60 0.94390 0.00058	10.70 0.94306 0.00054
8.90 0.93949 0.00055	9.65 0.94624 0.00054	10.80 0.94630 0.00056
9.00 0.94597 0.00054	9.70 0.94835 0.00056	10.90 0.95117 0.00056
9.10 0.95114 0.00057	9.75 0.95172 0.00057	11.00 0.95568 0.00055
9.20 0.95650 0.00055	9.80 0.95384 0.00056	11.10 0.95888 0.00058
9.30 0.96196 0.00054	9.85 0.95703 0.00058	11.20 0.96275 0.00053
9.40 0.96567 0.00056	9.90 0.95828 0.00056	11.30 0.96596 0.00053
9.50 0.97158 0.00055	9.95 0.96075 0.00055	11.40 0.96880 0.00056
9.60 0.97769 0.00055	10.00 0.96427 0.00057	11.50 0.97288 0.00057
9.70 0.98201 0.00056	10.05 0.96561 0.00053	11.60 0.97693 0.00055
9.80 0.98769 0.00057	10.10 0.96820 0.00054	11.70 0.98048 0.00055
9.90 0.99141 0.00054	10.15 0.96999 0.00056	11.80 0.98438 0.00052
10.00 0.99586 0.00055	10.20 0.97195 0.00057	11.90 0.98748 0.00053
10.10 1.00085 0.00057	10.25 0.97470 0.00055	12.00 0.99019 0.00055
10.20 1.00380 0.00055	10.30 0.97609 0.00056	12.10 0.99367 0.00055
10.30 1.00958 0.00056	10.35 0.97880 0.00057	12.20 0.99673 0.00054
10.40 1.01433 0.00056	10.40 0.98257 0.00057	12.30 1.00053 0.00054
10.50 1.01829 0.00053	10.45 0.98378 0.00056	12.40 1.00399 0.00054
	10.50 0.98508 0.00056	12.50 1.00680 0.00054
	10.55 0.98772 0.00055	
	10.60 0.99006 0.00056	
	10.65 0.99178 0.00055	
	10.70 0.99363 0.00057	
	10.75 0.99563 0.00057	
	10.80 0.99931 0.00055	
	10.85 0.99955 0.00055	
	10.90 1.00354 0.00057	
	10.95 1.00311 0.00058	
	11.00 1.00633 0.00056	

6000	7000	7500
12.20 0.93230 0.00052	15.00 0.92742 0.00050	18.00 0.93618 0.00047
12.30 0.93541 0.00055	15.20 0.93301 0.00052	18.25 0.93966 0.00048
12.40 0.93839 0.00053	15.40 0.93721 0.00049	18.50 0.94280 0.00049
12.50 0.94231 0.00051	15.60 0.93987 0.00050	18.75 0.94646 0.00050
12.60 0.94433 0.00055	15.80 0.94440 0.00048	19.00 0.94819 0.00050
12.70 0.94826 0.00053	16.00 0.94747 0.00049	19.25 0.95035 0.00049
12.80 0.95108 0.00054	16.20 0.95082 0.00051	19.50 0.95527 0.00049
12.90 0.95461 0.00052	16.40 0.95595 0.00050	19.75 0.95729 0.00047
13.00 0.95718 0.00052	16.60 0.95858 0.00050	20.00 0.96105 0.00049
13.10 0.96118 0.00052	16.80 0.96074 0.00050	20.25 0.96324 0.00047
13.20 0.96178 0.00056	17.00 0.96362 0.00053	20.50 0.96560 0.00048
13.30 0.96465 0.00051	17.20 0.96795 0.00052	20.75 0.96762 0.00049
13.40 0.96803 0.00054	17.40 0.97150 0.00051	21.00 0.96988 0.00049
13.50 0.97061 0.00051	17.60 0.97304 0.00051	21.25 0.97165 0.00047
13.60 0.97338 0.00051	17.80 0.97667 0.00049	21.50 0.97520 0.00047
13.70 0.97559 0.00052	18.00 0.97932 0.00050	21.75 0.97694 0.00047
13.80 0.97776 0.00053	18.20 0.98091 0.00049	22.00 0.97962 0.00047
13.90 0.98065 0.00052	18.40 0.98359 0.00048	22.25 0.98103 0.00048
14.00 0.98254 0.00053	18.60 0.98673 0.00050	22.50 0.98388 0.00047
14.10 0.98523 0.00056	18.80 0.98935 0.00049	22.75 0.98477 0.00048
14.20 0.98756 0.00051	19.00 0.99196 0.00049	23.00 0.98701 0.00047
14.30 0.99003 0.00054	19.20 0.99492 0.00051	23.25 0.98918 0.00047
14.40 0.99196 0.00051	19.40 0.99562 0.00049	23.50 0.99015 0.00048
14.50 0.99459 0.00054	19.60 0.99794 0.00048	23.75 0.99191 0.00046

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14.60	0.99583	0.00051	19.80	1.00080	0.00050	24.00	0.99498	0.00047
14.70	0.99783	0.00051	20.00	1.00281	0.00048	24.25	0.99584	0.00046
14.80	1.00169	0.00052				24.50	0.99756	0.00046
14.90	1.00297	0.00053				24.75	0.99975	0.00048
15.00	1.00494	0.00052				25.00	0.99997	0.00046
15.10	1.00707	0.00053				25.25	1.00304	0.00044
15.20	1.00906	0.00053				25.50	1.00289	0.00047
						25.75	1.00601	0.00047
						26.00	1.00633	0.00047
						26.25	1.00776	0.00047
						26.50	1.00877	0.00048

8000	9000	10000						
22.00	0.93282	0.00045	999.98	0.94150	0.00039	999.98	0.82379	0.00036
22.50	0.93726	0.00047	999.99	0.94150	0.00039	999.99	0.82379	0.00036
23.00	0.94065	0.00045						
23.50	0.94461	0.00044						
24.00	0.94768	0.00047						
24.50	0.95129	0.00047						
25.00	0.95377	0.00046						
25.50	0.95771	0.00046						
26.00	0.96058	0.00046						
26.50	0.96314	0.00045						
27.00	0.96466	0.00046						
27.50	0.96818	0.00044						
28.00	0.96971	0.00047						
28.50	0.97243	0.00045						
29.00	0.97454	0.00047						
29.50	0.97657	0.00047						
30.00	0.97787	0.00045						
30.50	0.98054	0.00046						
31.00	0.98250	0.00045						
31.50	0.98383	0.00045						
32.00	0.98487	0.00045						
32.50	0.98720	0.00046						
33.00	0.98853	0.00045						
33.50	0.99005	0.00047						
34.00	0.99190	0.00045						
34.50	0.99333	0.00046						
35.00	0.99506	0.00045						
35.50	0.99531	0.00044						
36.00	0.99677	0.00049						
36.50	0.99766	0.00044						
37.00	0.99808	0.00044						
37.50	1.00117	0.00044						
38.00	1.00200	0.00044						
38.50	1.00217	0.00046						
39.00	1.00407	0.00045						
39.50	1.00415	0.00045						
40.00	1.00578	0.00046						

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15000	18900
999.98 0.66542 0.00026	999.98 0.66606 0.00025
999.99 0.66542 0.00026	999.99 0.66606 0.00025

## sumtable.u5o2-pl-0030-01

	20	25	30
999.98 0.08045 0.00002	999.98 0.09936 0.00002	999.98 0.11783 0.00003	
999.99 0.08045 0.00002	999.99 0.09936 0.00002	999.99 0.11783 0.00003	
	40	45	50
999.98 0.15357 0.00004	999.98 0.17069 0.00004	999.98 0.18766 0.00005	
999.99 0.15357 0.00004	999.99 0.17069 0.00004	999.99 0.18766 0.00005	
	55	60	65
999.98 0.20401 0.00005	999.98 0.22016 0.00006	999.98 0.23579 0.00006	
999.99 0.20401 0.00005	999.99 0.22016 0.00006	999.99 0.23579 0.00006	
	70	80	100
999.98 0.25131 0.00006	999.98 0.28120 0.00007	999.98 0.33739 0.00008	
999.99 0.25131 0.00006	999.99 0.28120 0.00007	999.99 0.33739 0.00008	
	130	150	170
999.98 0.41369 0.00010	999.98 0.46008 0.00011	999.98 0.50299 0.00012	
999.99 0.41369 0.00010	999.99 0.46008 0.00011	999.99 0.50299 0.00012	
	200	350	400
999.98 0.56214 0.00013	999.98 0.78607 0.00017	999.98 0.84143 0.00018	
999.99 0.56214 0.00013	999.99 0.78607 0.00017	999.99 0.84143 0.00018	
	500	650	800
999.98 0.93283 0.00022	16.00 0.92393 0.00031	12.00 0.93181 0.00037	
999.99 0.93283 0.00022	17.00 0.93358 0.00031	12.20 0.93581 0.00037	
	18.00 0.94184 0.00032	12.40 0.93969 0.00038	
	19.00 0.94975 0.00032	12.60 0.94241 0.00038	
	20.00 0.95706 0.00031	12.80 0.94660 0.00037	
	21.00 0.96218 0.00031	13.00 0.95059 0.00037	
	22.00 0.96811 0.00029	13.20 0.95377 0.00036	
	23.00 0.97208 0.00030	13.40 0.95700 0.00038	
	24.00 0.97645 0.00029	13.60 0.96037 0.00037	
	25.00 0.98000 0.00030	13.80 0.96285 0.00037	
	26.00 0.98349 0.00029	14.00 0.96536 0.00036	
	27.00 0.98716 0.00029	14.20 0.96876 0.00037	
	28.00 0.98987 0.00029	14.40 0.97191 0.00038	
	29.00 0.99289 0.00028	14.60 0.97441 0.00036	
	30.00 0.99539 0.00029	14.80 0.97670 0.00036	
	31.00 0.99761 0.00028	15.00 0.97922 0.00037	
	32.00 0.99985 0.00028	15.20 0.98210 0.00036	
	33.00 1.00158 0.00028	15.40 0.98479 0.00036	
	34.00 1.00340 0.00029	15.60 0.98762 0.00036	
	35.00 1.00461 0.00028	15.80 0.99005 0.00034	
	36.00 1.00604 0.00027	16.00 0.99141 0.00037	
		16.20 0.99407 0.00035	
		16.40 0.99532 0.00035	
		16.60 0.99772 0.00034	
		16.80 1.00008 0.00035	
		17.00 1.00215 0.00034	

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900	1000	1200
10.00 0.91587 0.00042	9.70 0.93338 0.00044	8.60 0.93433 0.00047
10.20 0.92182 0.00039	9.80 0.93670 0.00043	8.70 0.93809 0.00046
10.40 0.92688 0.00041	9.90 0.93946 0.00044	8.80 0.94314 0.00045
10.60 0.93276 0.00040	10.00 0.94219 0.00042	8.90 0.94588 0.00044
10.80 0.93748 0.00041	10.10 0.94558 0.00042	9.00 0.95044 0.00045
11.00 0.94336 0.00041	10.20 0.94865 0.00041	9.10 0.95427 0.00045
11.20 0.94824 0.00041	10.30 0.95102 0.00043	9.20 0.95760 0.00045
11.40 0.95164 0.00038	10.50 0.95736 0.00043	9.30 0.96006 0.00045
11.60 0.95686 0.00040	10.60 0.95949 0.00045	9.40 0.96398 0.00045
11.80 0.96112 0.00040	10.70 0.96224 0.00041	9.50 0.96828 0.00045
12.00 0.96520 0.00040	10.80 0.96407 0.00041	9.60 0.97106 0.00046
12.20 0.96905 0.00041	10.90 0.96736 0.00041	9.70 0.97414 0.00044
12.40 0.97263 0.00038	11.00 0.96939 0.00042	9.80 0.97775 0.00045
12.60 0.97669 0.00039	11.10 0.97234 0.00044	9.90 0.97959 0.00047
12.80 0.98080 0.00039	11.20 0.97506 0.00040	10.00 0.98424 0.00044
13.00 0.98411 0.00040	11.30 0.97734 0.00040	10.10 0.98662 0.00045
13.20 0.98776 0.00040	11.40 0.98013 0.00041	10.20 0.99008 0.00044
13.40 0.99092 0.00039	11.50 0.98250 0.00041	10.30 0.99393 0.00044
13.60 0.99451 0.00037	11.60 0.98390 0.00043	10.40 0.99553 0.00043
13.80 0.99732 0.00039	11.70 0.98602 0.00041	10.50 0.99841 0.00044
14.00 1.00053 0.00039	11.80 0.98899 0.00041	10.60 1.00207 0.00044
14.20 1.00332 0.00038	11.90 0.99050 0.00041	
14.40 1.00615 0.00037	12.00 0.99263 0.00040	
14.60 1.00889 0.00037	12.10 0.99531 0.00043	
14.80 1.01185 0.00037	12.20 0.99676 0.00041	
15.00 1.01503 0.00038	12.30 1.00008 0.00041	
	12.40 1.00170 0.00040	
	12.50 1.00250 0.00040	

1500	1700	1900
7.50 0.92242 0.00049	7.50 0.93781 0.00050	7.30 0.93858 0.00050
7.60 0.92790 0.00050	7.55 0.94177 0.00050	7.35 0.94199 0.00051
7.70 0.93237 0.00046	7.60 0.94323 0.00051	7.40 0.94484 0.00051
7.80 0.93724 0.00049	7.65 0.94571 0.00051	7.45 0.94730 0.00051
7.90 0.94329 0.00048	7.70 0.94872 0.00050	7.50 0.94967 0.00053
8.00 0.94739 0.00050	7.75 0.95111 0.00051	7.55 0.95192 0.00049
8.10 0.95224 0.00048	7.80 0.95412 0.00049	7.60 0.95588 0.00051
8.20 0.95535 0.00047	7.85 0.95636 0.00050	7.65 0.95730 0.00051
8.30 0.96121 0.00049	7.90 0.95878 0.00052	7.70 0.96028 0.00053
8.40 0.96496 0.00050	7.95 0.96107 0.00051	7.75 0.96218 0.00050
8.50 0.96824 0.00047	8.00 0.96376 0.00051	7.80 0.96564 0.00051
8.60 0.97294 0.00050	8.05 0.96621 0.00051	7.85 0.96740 0.00051
8.70 0.97768 0.00049	8.10 0.96837 0.00049	7.90 0.96994 0.00049
8.80 0.98140 0.00048	8.15 0.97076 0.00050	7.95 0.97181 0.00053
8.90 0.98587 0.00048	8.20 0.97168 0.00049	8.00 0.97404 0.00051
9.00 0.98899 0.00049	8.25 0.97506 0.00050	8.05 0.97730 0.00050
9.10 0.99235 0.00050	8.30 0.97731 0.00050	8.10 0.97957 0.00052
9.20 0.99600 0.00048	8.35 0.97877 0.00050	8.15 0.98118 0.00052
9.30 1.00021 0.00047	8.40 0.98176 0.00049	8.20 0.98337 0.00050
9.40 1.00432 0.00048	8.45 0.98386 0.00051	8.25 0.98623 0.00051
9.50 1.00759 0.00050	8.50 0.98585 0.00051	8.30 0.98865 0.00052
	8.55 0.98833 0.00050	8.35 0.98978 0.00052
	8.60 0.99000 0.00050	8.40 0.99301 0.00050
	8.65 0.99138 0.00050	8.45 0.99522 0.00050
	8.70 0.99427 0.00048	8.50 0.99673 0.00051
	8.75 0.99637 0.00050	8.55 0.99939 0.00049
	8.80 0.99844 0.00050	8.60 1.00163 0.00051

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8.85	1.00039	0.00049	8.65	1.00296	0.00048
8.90	1.00218	0.00049	8.70	1.00576	0.00052
8.95	1.00405	0.00048	8.75	1.00727	0.00053
9.00	1.00648	0.00050	8.80	1.01058	0.00052
			8.85	1.01231	0.00051
			8.90	1.01382	0.00053
			8.95	1.01569	0.00048
			9.00	1.01789	0.00050

2000	2100	2500
7.20 0.93753 0.00051	7.10 0.93422 0.00053	7.00 0.93420 0.00053
7.25 0.93981 0.00051	7.15 0.93739 0.00052	7.05 0.93796 0.00054
7.30 0.94326 0.00053	7.20 0.94103 0.00053	7.10 0.93988 0.00053
7.35 0.94580 0.00052	7.25 0.94403 0.00054	7.15 0.94413 0.00054
7.40 0.94859 0.00051	7.30 0.94635 0.00053	7.20 0.94605 0.00054
7.45 0.95155 0.00052	7.35 0.94910 0.00052	7.25 0.94929 0.00055
7.50 0.95332 0.00050	7.40 0.95222 0.00052	7.30 0.95175 0.00054
7.55 0.95624 0.00052	7.45 0.95408 0.00053	7.35 0.95467 0.00053
7.60 0.95871 0.00052	7.50 0.95729 0.00052	7.40 0.95690 0.00052
7.65 0.96173 0.00053	7.55 0.95905 0.00051	7.45 0.96052 0.00055
7.70 0.96375 0.00052	7.60 0.96196 0.00051	7.50 0.96329 0.00054
7.75 0.96669 0.00050	7.65 0.96466 0.00051	7.55 0.96505 0.00053
7.80 0.96850 0.00053	7.70 0.96769 0.00055	7.60 0.96821 0.00054
7.85 0.97072 0.00052	7.75 0.96956 0.00052	7.65 0.97107 0.00054
7.90 0.97475 0.00050	7.80 0.97258 0.00052	7.70 0.97281 0.00055
7.95 0.97649 0.00051	7.85 0.97546 0.00050	7.75 0.97679 0.00052
8.00 0.97954 0.00051	7.90 0.97733 0.00053	7.80 0.97821 0.00054
8.05 0.98128 0.00051	7.95 0.97944 0.00051	7.85 0.98072 0.00054
8.10 0.98344 0.00051	8.00 0.98214 0.00052	7.90 0.98270 0.00054
8.15 0.98669 0.00052	8.05 0.98451 0.00055	7.95 0.98603 0.00053
8.20 0.98736 0.00051	8.10 0.98674 0.00055	8.00 0.98784 0.00054
8.25 0.99105 0.00049	8.15 0.98885 0.00054	8.05 0.99088 0.00053
8.30 0.99269 0.00053	8.20 0.99071 0.00054	8.10 0.99250 0.00053
8.35 0.99516 0.00051	8.25 0.99458 0.00052	8.15 0.99461 0.00054
8.40 0.99729 0.00052	8.30 0.99564 0.00052	8.20 0.99791 0.00052
8.45 0.99947 0.00052	8.35 0.99820 0.00052	8.25 0.99998 0.00053
8.50 1.00158 0.00050	8.40 1.00007 0.00053	8.30 1.00145 0.00056
8.55 1.00303 0.00049	8.45 1.00239 0.00052	8.35 1.00511 0.00054
8.60 1.00608 0.00052	8.50 1.00509 0.00050	8.40 1.00643 0.00053

3000	4000	5000
7.10 0.93687 0.00053	7.50 0.93018 0.00055	8.50 0.93125 0.00054
7.15 0.93977 0.00054	7.60 0.93530 0.00057	8.60 0.93661 0.00054
7.20 0.94293 0.00057	7.70 0.94002 0.00056	8.70 0.93940 0.00054
7.25 0.94524 0.00054	7.80 0.94475 0.00059	8.80 0.94305 0.00053
7.30 0.94920 0.00056	7.90 0.95069 0.00055	8.90 0.94698 0.00055
7.35 0.95184 0.00054	8.00 0.95586 0.00057	9.00 0.95122 0.00056
7.40 0.95324 0.00054	8.10 0.95997 0.00054	9.10 0.95494 0.00055
7.45 0.95585 0.00054	8.20 0.96517 0.00054	9.20 0.96036 0.00056
7.50 0.96014 0.00054	8.30 0.96836 0.00056	9.30 0.96319 0.00057
7.55 0.96088 0.00056	8.40 0.97372 0.00056	9.40 0.96711 0.00053
7.60 0.96398 0.00053	8.50 0.97867 0.00054	9.50 0.97109 0.00054
7.65 0.96702 0.00054	8.60 0.98295 0.00055	9.60 0.97457 0.00054

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7.70	0.97012	0.00055	8.70	0.98697	0.00054	9.70	0.97775	0.00053
7.75	0.97257	0.00056	8.80	0.99152	0.00055	9.80	0.98084	0.00055
7.80	0.97399	0.00057	8.90	0.99429	0.00054	9.90	0.98431	0.00056
7.85	0.97756	0.00054	9.00	0.99934	0.00056	10.00	0.98703	0.00054
7.90	0.97927	0.00055	9.10	1.00274	0.00056	10.10	0.99121	0.00053
7.95	0.98192	0.00053	9.20	1.00680	0.00056	10.20	0.99442	0.00055
8.00	0.98408	0.00057	9.30	1.01065	0.00053	10.30	0.99693	0.00055
8.05	0.98663	0.00055	9.40	1.01501	0.00054	10.40	1.00099	0.00054
8.10	0.98954	0.00054	9.50	1.01917	0.00054	10.50	1.00355	0.00056
8.15	0.99105	0.00056				10.60	1.00627	0.00054
8.20	0.99331	0.00053						
8.25	0.99560	0.00055						
8.30	0.99862	0.00055						
8.35	1.00102	0.00053						
8.40	1.00222	0.00053						
8.45	1.00476	0.00053						
8.50	1.00665	0.00055						

6000	7000	7500						
10.00	0.92808	0.00051	13.00	0.93169	0.00052	15.50	0.93301	0.00049
10.10	0.93216	0.00054	13.20	0.93542	0.00051	15.75	0.93617	0.00048
10.20	0.93376	0.00052	13.40	0.94006	0.00050	16.00	0.93863	0.00050
10.30	0.93674	0.00054	13.60	0.94401	0.00053	16.25	0.94419	0.00047
10.40	0.93968	0.00052	13.80	0.94628	0.00050	16.50	0.94636	0.00050
10.50	0.94312	0.00053	14.00	0.95039	0.00051	16.75	0.94888	0.00048
10.60	0.94659	0.00053	14.20	0.95494	0.00051	17.00	0.95142	0.00048
10.70	0.94826	0.00052	14.40	0.95777	0.00049	17.25	0.95501	0.00050
10.80	0.95261	0.00054	14.60	0.95990	0.00053	17.50	0.95713	0.00048
10.90	0.95490	0.00052	14.80	0.96434	0.00051	17.75	0.96028	0.00048
11.00	0.95746	0.00052	15.00	0.96689	0.00051	18.00	0.96340	0.00046
11.10	0.96001	0.00054	15.20	0.96970	0.00052	18.25	0.96518	0.00048
11.20	0.96280	0.00052	15.40	0.97302	0.00052	18.50	0.96746	0.00048
11.30	0.96544	0.00051	15.60	0.97533	0.00051	18.75	0.97022	0.00048
11.40	0.96859	0.00052	15.80	0.97767	0.00051	19.00	0.97217	0.00049
11.50	0.97036	0.00053	16.00	0.98075	0.00050	19.25	0.97470	0.00048
11.60	0.97302	0.00052	16.20	0.98357	0.00051	19.50	0.97813	0.00048
11.70	0.97608	0.00053	16.40	0.98609	0.00049	19.75	0.97865	0.00049
11.80	0.97792	0.00053	16.60	0.98857	0.00049	20.00	0.98099	0.00046
11.90	0.98060	0.00055	16.80	0.99108	0.00049	20.25	0.98295	0.00050
12.00	0.98249	0.00052	17.00	0.99449	0.00050	20.50	0.98388	0.00047
12.10	0.98543	0.00053	17.20	0.99554	0.00051	20.75	0.98700	0.00049
12.20	0.98772	0.00053	17.40	0.99680	0.00050	21.00	0.98852	0.00048
12.30	0.99049	0.00054	17.60	1.00018	0.00048	21.25	0.98986	0.00048
12.40	0.99159	0.00052	17.80	1.00225	0.00050	21.50	0.99378	0.00048
12.50	0.99444	0.00052	18.00	1.00438	0.00050	21.75	0.99431	0.00048
12.60	0.99631	0.00053	18.20	1.00615	0.00049	22.00	0.99571	0.00049
12.70	0.99791	0.00054	18.40	1.00780	0.00051	22.25	0.99598	0.00047
12.80	1.00062	0.00055				22.50	0.99857	0.00047
12.90	1.00302	0.00052				22.75	1.00027	0.00046
13.00	1.00485	0.00053				23.00	1.00170	0.00048
						23.25	1.00363	0.00046
						23.50	1.00527	0.00047

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8000	9000	10000
20.00 0.93639 0.00047	999.98 0.94150 0.00039	999.98 0.82379 0.00036
21.00 0.94250 0.00046	999.99 0.94150 0.00039	999.99 0.82379 0.00036
22.00 0.95091 0.00045		
23.00 0.95585 0.00047		
24.00 0.96135 0.00046		
25.00 0.96632 0.00047		
26.00 0.97187 0.00045		
27.00 0.97671 0.00045		
28.00 0.98018 0.00045		
29.00 0.98396 0.00044		
30.00 0.98634 0.00045		
31.00 0.98965 0.00046		
32.00 0.99258 0.00045		
33.00 0.99558 0.00044		
34.00 0.99697 0.00044		
35.00 0.99969 0.00044		
36.00 1.00195 0.00045		
37.00 1.00411 0.00045		
38.00 1.00604 0.00046		
39.00 1.00689 0.00044		
40.00 1.00825 0.00045		
41.00 1.01034 0.00044		
42.00 1.01306 0.00044		

15000	18900
999.98 0.66542 0.00026	999.98 0.66606 0.00025
999.99 0.66542 0.00026	999.99 0.66606 0.00025

sumtable.u5o2-pl-0030-10		
20	25	30
999.98 0.08045 0.00002	999.98 0.09936 0.00002	999.98 0.11783 0.00003
999.99 0.08045 0.00002	999.99 0.09936 0.00002	999.99 0.11783 0.00003
40	45	50
999.98 0.15357 0.00004	999.98 0.17069 0.00004	999.98 0.18766 0.00005
999.99 0.15357 0.00004	999.99 0.17069 0.00004	999.99 0.18766 0.00005
55	60	65
999.98 0.20401 0.00005	999.98 0.22016 0.00006	999.98 0.23579 0.00006
999.99 0.20401 0.00005	999.99 0.22016 0.00006	999.99 0.23579 0.00006
70	80	100
999.98 0.25131 0.00006	999.98 0.28120 0.00007	999.98 0.33739 0.00008
999.99 0.25131 0.00006	999.99 0.28120 0.00007	999.99 0.33739 0.00008
130	150	170
999.98 0.41369 0.00010	999.98 0.46008 0.00011	999.98 0.50299 0.00012
999.99 0.41369 0.00010	999.99 0.46008 0.00011	999.99 0.50299 0.00012
200	350	400
999.98 0.56214 0.00013	999.98 0.78607 0.00017	999.98 0.84143 0.00018
999.99 0.56214 0.00013	999.99 0.78607 0.00017	999.99 0.84143 0.00018

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500	650	800
999.98 0.93283 0.00022	14.00 0.91580 0.00032	11.00 0.93703 0.00036
999.99 0.93283 0.00022	15.00 0.92594 0.00032	11.25 0.94184 0.00038
	16.00 0.93560 0.00030	11.50 0.94578 0.00037
	17.00 0.94422 0.00031	11.75 0.94974 0.00036
	18.00 0.95105 0.00030	12.00 0.95423 0.00035
	19.00 0.95803 0.00030	12.25 0.95907 0.00036
	20.00 0.96381 0.00030	12.50 0.96272 0.00035
	21.00 0.96856 0.00029	12.75 0.96668 0.00034
	22.00 0.97401 0.00030	13.00 0.96972 0.00035
	23.00 0.97737 0.00029	13.25 0.97340 0.00034
	24.00 0.98122 0.00029	13.50 0.97625 0.00035
	25.00 0.98477 0.00029	13.75 0.98018 0.00034
	26.00 0.98770 0.00030	14.00 0.98307 0.00035
	27.00 0.99069 0.00029	14.25 0.98662 0.00036
	28.00 0.99301 0.00028	14.50 0.98905 0.00035
	29.00 0.99565 0.00029	14.75 0.99236 0.00035
	30.00 0.99821 0.00027	15.00 0.99488 0.00035
	31.00 0.99932 0.00027	15.25 0.99715 0.00035
	32.00 1.00136 0.00027	15.50 0.99932 0.00034
	33.00 1.00335 0.00026	15.75 1.00255 0.00035
	34.00 1.00509 0.00027	16.00 1.00471 0.00035
		16.25 1.00710 0.00034
		16.50 1.00925 0.00033
		16.75 1.01120 0.00034
		17.00 1.01359 0.00032
		17.25 1.01517 0.00033
		17.50 1.01769 0.00032
		17.75 1.01902 0.00032
		18.00 1.02099 0.00033
900	1000	1200
9.60 0.94022 0.00038	8.50 0.93683 0.00040	7.00 0.92382 0.00044
9.80 0.94528 0.00038	8.60 0.93926 0.00041	7.10 0.92848 0.00043
10.00 0.94944 0.00038	8.70 0.94188 0.00040	7.20 0.93108 0.00045
10.20 0.95391 0.00037	8.80 0.94575 0.00040	7.30 0.93632 0.00042
10.40 0.95892 0.00039	8.90 0.94809 0.00040	7.40 0.93980 0.00042
10.60 0.96296 0.00037	9.00 0.95090 0.00042	7.50 0.94433 0.00043
10.80 0.96761 0.00037	9.10 0.95423 0.00040	7.60 0.94790 0.00043
11.00 0.97067 0.00038	9.20 0.95666 0.00040	7.70 0.95174 0.00043
11.20 0.97457 0.00037	9.30 0.95964 0.00039	7.80 0.95551 0.00042
11.40 0.97874 0.00037	9.40 0.96246 0.00040	7.90 0.95877 0.00044
11.60 0.98218 0.00036	9.50 0.96456 0.00041	8.00 0.96237 0.00042
11.80 0.98570 0.00036	9.60 0.96722 0.00041	8.10 0.96567 0.00042
12.00 0.98898 0.00039	9.70 0.97009 0.00039	8.20 0.96886 0.00044
12.20 0.99181 0.00038	9.80 0.97272 0.00039	8.30 0.97275 0.00044
12.40 0.99571 0.00035	9.90 0.97557 0.00041	8.40 0.97594 0.00043
12.60 0.99893 0.00037	10.00 0.97729 0.00038	8.50 0.97892 0.00042
12.80 1.00110 0.00037	10.10 0.97957 0.00040	8.60 0.98233 0.00041
13.00 1.00489 0.00037	10.20 0.98169 0.00040	8.70 0.98493 0.00043
	10.30 0.98560 0.00038	8.80 0.98886 0.00043
	10.40 0.98627 0.00039	8.90 0.99120 0.00041
	10.50 0.98827 0.00040	9.00 0.99458 0.00044
	10.60 0.99078 0.00040	9.10 0.99779 0.00044
	10.70 0.99295 0.00038	9.20 1.00115 0.00043
	10.80 0.99547 0.00038	9.30 1.00333 0.00043
	10.90 0.99720 0.00040	9.40 1.00554 0.00043
	11.00 0.99969 0.00040	9.50 1.00825 0.00042
	11.10 1.00161 0.00039	9.60 1.01095 0.00043
	11.20 1.00343 0.00039	9.70 1.01403 0.00042
	11.30 1.00597 0.00039	9.80 1.01599 0.00040
	11.40 1.00721 0.00040	9.90 1.01873 0.00042
	11.50 1.00903 0.00039	10.00 1.02039 0.00041

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1500	1700	1900
6.40 0.93765 0.00045	6.00 0.93508 0.00046	5.50 0.92129 0.00048
6.50 0.94300 0.00047	6.10 0.94113 0.00047	5.60 0.92679 0.00049
6.60 0.94726 0.00046	6.20 0.94658 0.00048	5.70 0.93354 0.00048
6.70 0.95165 0.00046	6.30 0.95159 0.00048	5.80 0.93910 0.00047
6.80 0.95682 0.00046	6.40 0.95589 0.00048	5.90 0.94397 0.00049
6.90 0.96055 0.00045	6.50 0.96070 0.00048	6.00 0.94957 0.00049
7.00 0.96606 0.00047	6.60 0.96612 0.00048	6.10 0.95406 0.00049
7.10 0.96954 0.00045	6.70 0.97160 0.00046	6.20 0.96019 0.00049
7.20 0.97371 0.00044	6.80 0.97555 0.00047	6.30 0.96522 0.00050
7.30 0.97847 0.00046	6.90 0.97886 0.00048	6.40 0.96966 0.00049
7.40 0.98212 0.00047	7.00 0.98503 0.00045	6.50 0.97482 0.00048
7.50 0.98572 0.00045	7.10 0.98823 0.00045	6.60 0.98004 0.00049
7.60 0.98948 0.00046	7.20 0.99244 0.00047	6.70 0.98516 0.00048
7.70 0.99339 0.00045	7.30 0.99710 0.00048	6.80 0.98942 0.00049
7.80 0.99756 0.00044	7.40 1.00079 0.00046	6.90 0.99269 0.00048
7.90 1.00138 0.00045	7.50 1.00479 0.00046	7.00 0.99778 0.00048
8.00 1.00445 0.00047		7.10 1.00032 0.00049
8.10 1.00805 0.00045		7.20 1.00634 0.00048
8.20 1.01238 0.00044		7.30 1.01012 0.00049
		7.40 1.01467 0.00049
		7.50 1.01784 0.00047

2000	2100	2500
5.40 0.92056 0.00049	5.50 0.93078 0.00048	5.40 0.93592 0.00050
5.50 0.92590 0.00049	5.55 0.93383 0.00046	5.50 0.94160 0.00048
5.60 0.93263 0.00048	5.60 0.93557 0.00050	5.60 0.94760 0.00049
5.70 0.93836 0.00048	5.65 0.93986 0.00049	5.70 0.95347 0.00050
5.80 0.94363 0.00050	5.70 0.94315 0.00048	5.80 0.95908 0.00050
5.90 0.94953 0.00049	5.75 0.94528 0.00050	5.90 0.96499 0.00050
6.00 0.95494 0.00047	5.80 0.94857 0.00049	6.00 0.96950 0.00052
6.10 0.96001 0.00050	5.85 0.95098 0.00049	6.10 0.97395 0.00049
6.20 0.96518 0.00049	5.90 0.95348 0.00050	6.20 0.98049 0.00052
6.30 0.97043 0.00047	5.95 0.95642 0.00050	6.30 0.98551 0.00049
6.40 0.97580 0.00049	6.00 0.95876 0.00048	6.40 0.98941 0.00050
6.50 0.97950 0.00051	6.05 0.96177 0.00048	6.50 0.99453 0.00047
6.60 0.98498 0.00050	6.10 0.96397 0.00048	6.60 0.99814 0.00049
6.70 0.99032 0.00049	6.15 0.96760 0.00052	6.70 1.00386 0.00050
6.80 0.99450 0.00049	6.20 0.96932 0.00049	6.80 1.00729 0.00050
6.90 0.99846 0.00047	6.25 0.97147 0.00050	6.90 1.01277 0.00050
7.00 1.00321 0.00048	6.30 0.97398 0.00049	7.00 1.01737 0.00049
7.10 1.00740 0.00049	6.35 0.97711 0.00049	
7.20 1.01188 0.00048	6.40 0.97885 0.00052	
	6.45 0.98105 0.00051	
	6.50 0.98348 0.00050	
	6.55 0.98742 0.00050	
	6.60 0.98852 0.00048	
	6.65 0.99084 0.00049	
	6.70 0.99295 0.00049	
	6.75 0.99530 0.00051	
	6.80 0.99887 0.00050	
	6.85 0.99950 0.00048	
	6.90 1.00344 0.00049	
	6.95 1.00447 0.00049	
	7.00 1.00686 0.00049	

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3000	4000	5000
5.30 0.93349 0.00051	5.50 0.92975 0.00051	6.30 0.93660 0.00052
5.35 0.93693 0.00052	5.60 0.93531 0.00049	6.40 0.93992 0.00051
5.40 0.93865 0.00050	5.70 0.94111 0.00053	6.50 0.94507 0.00054
5.45 0.94116 0.00051	5.80 0.94567 0.00052	6.60 0.94827 0.00051
5.50 0.94425 0.00052	5.90 0.95091 0.00054	6.70 0.95248 0.00049
5.55 0.94777 0.00051	6.00 0.95565 0.00051	6.80 0.95678 0.00053
5.60 0.95071 0.00050	6.10 0.96069 0.00050	6.90 0.96064 0.00050
5.65 0.95279 0.00052	6.20 0.96510 0.00054	7.00 0.96304 0.00053
5.70 0.95513 0.00051	6.30 0.96892 0.00050	7.10 0.96692 0.00051
5.75 0.95881 0.00052	6.40 0.97374 0.00053	7.20 0.97055 0.00052
5.80 0.96103 0.00052	6.50 0.97849 0.00051	7.30 0.97371 0.00051
5.85 0.96368 0.00052	6.60 0.98230 0.00052	7.40 0.97830 0.00051
5.90 0.96635 0.00052	6.70 0.98722 0.00053	7.50 0.98150 0.00049
5.95 0.96906 0.00052	6.80 0.99203 0.00051	7.60 0.98472 0.00050
6.00 0.97244 0.00050	6.90 0.99573 0.00053	7.70 0.98795 0.00050
6.05 0.97404 0.00050	7.00 0.99850 0.00053	7.80 0.99178 0.00051
6.10 0.97747 0.00052	7.10 1.00253 0.00052	7.90 0.99482 0.00051
6.15 0.97923 0.00053	7.20 1.00743 0.00051	8.00 0.99855 0.00052
6.20 0.98131 0.00049	7.30 1.01055 0.00053	8.10 1.00143 0.00052
6.25 0.98388 0.00052	7.40 1.01426 0.00052	8.20 1.00479 0.00053
6.30 0.98686 0.00050	7.50 1.01843 0.00052	8.30 1.00833 0.00051
6.35 0.98884 0.00053		
6.40 0.99072 0.00050		
6.45 0.99484 0.00053		
6.50 0.99605 0.00050		
6.55 0.99911 0.00054		
6.60 1.00113 0.00050		
6.65 1.00319 0.00049		
6.70 1.00538 0.00050		

6000	7000	7500
7.00 0.91915 0.00051	10.00 0.93813 0.00048	12.00 0.93609 0.00048
7.20 0.92478 0.00050	10.20 0.94210 0.00048	12.50 0.94196 0.00048
7.40 0.93158 0.00049	10.40 0.94416 0.00049	13.00 0.94821 0.00047
7.60 0.93757 0.00054	10.60 0.94865 0.00048	13.50 0.95451 0.00048
7.80 0.94276 0.00050	10.80 0.95147 0.00047	14.00 0.95893 0.00048
8.00 0.94972 0.00050	11.00 0.95549 0.00048	14.50 0.96382 0.00049
8.20 0.95517 0.00052	11.20 0.95854 0.00048	15.00 0.96938 0.00047
8.40 0.96103 0.00050	11.40 0.96159 0.00048	15.50 0.97376 0.00046
8.60 0.96544 0.00052	11.60 0.96502 0.00050	16.00 0.97691 0.00047
8.80 0.97174 0.00051	11.80 0.96751 0.00050	16.50 0.98180 0.00047
9.00 0.97681 0.00052	12.00 0.97085 0.00050	17.00 0.98514 0.00045
9.20 0.98140 0.00051	12.20 0.97368 0.00049	17.50 0.98985 0.00047
9.40 0.98617 0.00051	12.40 0.97627 0.00048	18.00 0.99373 0.00046
9.60 0.99062 0.00051	12.60 0.97991 0.00048	19.00 1.00098 0.00046
9.80 0.99528 0.00052	12.80 0.98237 0.00049	19.50 1.00254 0.00049
10.00 0.99856 0.00052	13.00 0.98524 0.00047	20.00 1.00574 0.00048
10.20 1.00313 0.00050	13.20 0.98685 0.00047	
10.40 1.00673 0.00051	13.40 0.98975 0.00049	
10.60 1.01064 0.00050	13.60 0.99169 0.00047	
10.80 1.01455 0.00048	13.80 0.99450 0.00049	
11.00 1.01941 0.00051	14.00 0.99532 0.00049	
	14.20 0.99870 0.00049	
	14.40 0.99986 0.00048	
	14.60 1.00356 0.00049	
	14.80 1.00477 0.00047	
	15.00 1.00716 0.00048	

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	8000		9000		10000			
16.00	0.93748	0.00047	999.98	0.94150	0.00039	999.98	0.82379	0.00036
16.50	0.94043	0.00046	999.99	0.94150	0.00039	999.99	0.82379	0.00036
17.00	0.94448	0.00045						
17.50	0.94780	0.00046						
18.00	0.95107	0.00044						
18.50	0.95471	0.00044						
19.00	0.95736	0.00045						
19.50	0.96093	0.00046						
20.00	0.96271	0.00046						
20.50	0.96662	0.00044						
21.00	0.96744	0.00044						
21.50	0.97042	0.00043						
22.00	0.97346	0.00046						
22.50	0.97468	0.00046						
23.00	0.97662	0.00045						
23.50	0.97885	0.00046						
24.00	0.98006	0.00045						
24.50	0.98312	0.00045						
25.00	0.98378	0.00045						
25.50	0.98482	0.00045						
26.00	0.98768	0.00045						
26.50	0.98899	0.00045						
27.00	0.99170	0.00045						
27.50	0.99182	0.00046						
28.00	0.99285	0.00045						
28.50	0.99468	0.00045						
29.00	0.99427	0.00045						
29.50	0.99695	0.00045						
30.00	0.99705	0.00045						
30.50	0.99886	0.00044						
31.00	1.00066	0.00045						
31.50	1.00166	0.00045						
32.00	1.00183	0.00046						
32.50	1.00345	0.00044						
33.00	1.00394	0.00045						

	15000		18900		
999.98	0.66542	0.00026	999.98	0.66606	0.00025
999.99	0.66542	0.00026	999.99	0.66606	0.00025

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sumtable.u5o2-pl-0040-00							
		20		25		30	
999.98	0.10592	0.00002	999.98	0.13037	0.00003	999.98	0.15409 0.00004
999.99	0.10592	0.00002	999.99	0.13037	0.00003	999.99	0.15409 0.00004
		40		45		50	
999.98	0.19949	0.00005	999.98	0.22119	0.00005	999.98	0.24241 0.00006
999.99	0.19949	0.00005	999.99	0.22119	0.00005	999.99	0.24241 0.00006
		55		60		65	
999.98	0.26318	0.00006	999.98	0.28307	0.00007	999.98	0.30260 0.00007
999.99	0.26318	0.00006	999.99	0.28307	0.00007	999.99	0.30260 0.00007
		70		80		100	
999.98	0.32138	0.00008	999.98	0.35803	0.00008	999.98	0.42563 0.00010
999.99	0.32138	0.00008	999.99	0.35803	0.00008	999.99	0.42563 0.00010
		130		150		170	
999.98	0.51577	0.00012	999.98	0.56917	0.00012	999.98	0.61815 0.00013
999.99	0.51577	0.00012	999.99	0.56917	0.00012	999.99	0.61815 0.00013
		200		350		400	
999.98	0.68410	0.00015	999.98	0.92345	0.00019	999.98	0.97972 0.00020
999.99	0.68410	0.00015	999.99	0.92345	0.00019	999.99	0.97972 0.00020
		500		650		800	
16.00	0.93653	0.00035	11.00	0.91370	0.00043	10.00	0.93161 0.00046
16.50	0.94362	0.00035	11.20	0.92070	0.00040	10.10	0.93562 0.00046
17.00	0.94873	0.00034	11.40	0.92657	0.00040	10.20	0.93928 0.00045
17.50	0.95500	0.00035	11.60	0.93207	0.00042	10.30	0.94328 0.00046
18.00	0.96032	0.00034	11.80	0.93789	0.00042	10.40	0.94741 0.00047
18.50	0.96540	0.00032	12.00	0.94392	0.00042	10.50	0.95112 0.00046
19.00	0.96973	0.00033	12.20	0.94984	0.00041	10.60	0.95563 0.00045
19.50	0.97341	0.00032	12.40	0.95487	0.00041	10.70	0.95868 0.00044
20.00	0.97771	0.00034	12.60	0.96000	0.00040	10.80	0.96270 0.00043
20.50	0.98123	0.00032	12.80	0.96495	0.00041	10.90	0.96550 0.00046
21.00	0.98505	0.00032	13.00	0.96915	0.00040	11.00	0.97016 0.00045
21.50	0.98804	0.00032	13.20	0.97463	0.00040	11.10	0.97411 0.00044
22.00	0.99161	0.00029	13.40	0.97770	0.00041	11.20	0.97680 0.00046
22.50	0.99426	0.00032	13.60	0.98224	0.00041	11.30	0.97947 0.00046
23.00	0.99750	0.00032	13.80	0.98608	0.00040	11.40	0.98360 0.00047
23.50	1.00072	0.00031	14.00	0.99032	0.00041	11.50	0.98552 0.00045
24.00	1.00260	0.00031	14.20	0.99420	0.00039	11.60	0.98907 0.00044
24.50	1.00498	0.00030	14.40	0.99818	0.00041	11.70	0.99248 0.00045
25.00	1.00728	0.00030	14.60	1.00151	0.00040	11.80	0.99587 0.00044
			14.80	1.00515	0.00038	11.90	0.99864 0.00043
			15.00	1.00868	0.00038	12.00	1.00136 0.00042
						12.10	1.00360 0.00043
						12.20	1.00643 0.00043

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900	1000	1200
9.00 0.91177 0.00048	9.00 0.93298 0.00048	8.20 0.91679 0.00053
9.10 0.91660 0.00050	9.10 0.93860 0.00050	8.30 0.92304 0.00053
9.20 0.92220 0.00049	9.20 0.94326 0.00051	8.40 0.92850 0.00052
9.30 0.92759 0.00047	9.30 0.94782 0.00050	8.50 0.93573 0.00051
9.40 0.93111 0.00046	9.40 0.95306 0.00050	8.60 0.94221 0.00051
9.50 0.93612 0.00048	9.50 0.95788 0.00050	8.70 0.94728 0.00051
9.60 0.94151 0.00051	9.60 0.96343 0.00049	8.80 0.95266 0.00052
9.70 0.94600 0.00047	9.70 0.96747 0.00050	8.90 0.95796 0.00052
9.80 0.95022 0.00048	9.80 0.97208 0.00049	9.00 0.96374 0.00054
9.90 0.95465 0.00047	9.90 0.97641 0.00049	9.10 0.97019 0.00051
10.00 0.95936 0.00048	10.00 0.98091 0.00045	9.20 0.97499 0.00052
10.10 0.96280 0.00048	10.10 0.98543 0.00049	9.30 0.98019 0.00052
10.20 0.96785 0.00046	10.20 0.98972 0.00048	9.40 0.98511 0.00051
10.30 0.97156 0.00047	10.30 0.99313 0.00049	9.50 0.98998 0.00050
10.40 0.97523 0.00050	10.40 0.99667 0.00050	9.60 0.99389 0.00051
10.50 0.98022 0.00045	10.50 1.00173 0.00049	9.70 0.99911 0.00054
10.60 0.98279 0.00046	10.60 1.00582 0.00048	9.80 1.00421 0.00050
10.70 0.98685 0.00046	10.70 1.00999 0.00047	9.90 1.01021 0.00052
10.80 0.99091 0.00048	10.80 1.01360 0.00048	10.00 1.01381 0.00052
10.90 0.99457 0.00046	10.90 1.01686 0.00048	10.10 1.01789 0.00051
11.00 0.99818 0.00047	11.00 1.02110 0.00048	10.20 1.02310 0.00052
11.10 1.00128 0.00047		
11.20 1.00393 0.00047		
11.30 1.00813 0.00045		
11.40 1.01199 0.00046		
11.50 1.01460 0.00046		

1500	1700	1900
8.10 0.93738 0.00054	7.80 0.92566 0.00058	7.70 0.92306 0.00058
8.15 0.94096 0.00057	7.85 0.92952 0.00055	7.75 0.92699 0.00056
8.20 0.94429 0.00055	7.90 0.93308 0.00055	7.80 0.93265 0.00056
8.25 0.94635 0.00054	7.95 0.93642 0.00055	7.85 0.93535 0.00056
8.30 0.94988 0.00057	8.00 0.94014 0.00057	7.90 0.93897 0.00055
8.35 0.95316 0.00055	8.05 0.94347 0.00058	7.95 0.94204 0.00056
8.40 0.95698 0.00056	8.10 0.94691 0.00056	8.00 0.94656 0.00056
8.45 0.95929 0.00053	8.15 0.95063 0.00057	8.05 0.94785 0.00056
8.50 0.96347 0.00055	8.20 0.95437 0.00057	8.10 0.95208 0.00058
8.55 0.96558 0.00054	8.25 0.95796 0.00055	8.15 0.95667 0.00057
8.60 0.96853 0.00055	8.30 0.96037 0.00057	8.20 0.95931 0.00054
8.65 0.97227 0.00054	8.35 0.96353 0.00056	8.25 0.96251 0.00056
8.70 0.97520 0.00055	8.40 0.96615 0.00056	8.30 0.96665 0.00056
8.75 0.97747 0.00054	8.45 0.97063 0.00057	8.35 0.96944 0.00058
8.80 0.98096 0.00054	8.50 0.97297 0.00055	8.40 0.97256 0.00055
8.85 0.98432 0.00054	8.55 0.97617 0.00055	8.45 0.97566 0.00055
8.90 0.98662 0.00056	8.60 0.97995 0.00056	8.50 0.97954 0.00057
8.95 0.98991 0.00053	8.65 0.98325 0.00056	8.55 0.98248 0.00057
9.00 0.99156 0.00054	8.70 0.98528 0.00056	8.60 0.98535 0.00056
9.05 0.99531 0.00055	8.75 0.98904 0.00056	8.65 0.98877 0.00056
9.10 0.99816 0.00055	8.80 0.99143 0.00054	8.70 0.99086 0.00058
9.15 1.00052 0.00054	8.85 0.99464 0.00056	8.75 0.99385 0.00055
9.20 1.00291 0.00054	8.90 0.99744 0.00056	8.80 0.99788 0.00057
9.25 1.00627 0.00054	8.95 1.00029 0.00055	8.85 1.00068 0.00056
9.30 1.00891 0.00055	9.00 1.00271 0.00053	8.90 1.00259 0.00057
	9.05 1.00554 0.00056	8.95 1.00689 0.00055
	9.10 1.00802 0.00056	9.00 1.01003 0.00056
	9.15 1.01151 0.00056	
	9.20 1.01484 0.00056	

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2000	2100	2500
7.80 0.93251 0.00057	7.80 0.93359 0.00056	7.70 0.92372 0.00060
7.85 0.93691 0.00054	7.85 0.93650 0.00057	7.75 0.92697 0.00058
7.90 0.94028 0.00057	7.90 0.94100 0.00057	7.80 0.93130 0.00060
7.95 0.94431 0.00059	7.95 0.94456 0.00057	7.85 0.93359 0.00059
8.00 0.94777 0.00056	8.00 0.94841 0.00059	7.90 0.93916 0.00057
8.05 0.95089 0.00058	8.05 0.95227 0.00057	7.95 0.94234 0.00059
8.10 0.95448 0.00058	8.10 0.95500 0.00056	8.00 0.94706 0.00057
8.15 0.95802 0.00057	8.15 0.95914 0.00058	8.05 0.94946 0.00058
8.20 0.96089 0.00056	8.20 0.96215 0.00057	8.10 0.95264 0.00059
8.25 0.96488 0.00054	8.25 0.96462 0.00057	8.15 0.95584 0.00058
8.30 0.96746 0.00057	8.30 0.96898 0.00057	8.20 0.95944 0.00057
8.35 0.97101 0.00058	8.35 0.97188 0.00056	8.25 0.96361 0.00062
8.40 0.97502 0.00057	8.40 0.97516 0.00056	8.30 0.96632 0.00059
8.45 0.97765 0.00057	8.45 0.97780 0.00056	8.35 0.96943 0.00058
8.50 0.97962 0.00056	8.50 0.98106 0.00058	8.40 0.97254 0.00057
8.55 0.98260 0.00059	8.55 0.98457 0.00058	8.45 0.97716 0.00058
8.60 0.98771 0.00057	8.60 0.98861 0.00058	8.50 0.97994 0.00059
8.65 0.99060 0.00056	8.65 0.99104 0.00058	8.55 0.98292 0.00058
8.70 0.99377 0.00056	8.70 0.99381 0.00056	8.60 0.98635 0.00058
8.75 0.99677 0.00059	8.75 0.99795 0.00057	8.65 0.98843 0.00059
8.80 0.99984 0.00056	8.80 0.99981 0.00056	8.70 0.99106 0.00058
8.85 1.00247 0.00059	8.85 1.00357 0.00057	8.75 0.99560 0.00058
8.90 1.00488 0.00057	8.90 1.00560 0.00056	8.80 0.99801 0.00059
8.95 1.00820 0.00055	8.95 1.00905 0.00057	8.85 1.00164 0.00060
9.00 1.01191 0.00056	9.00 1.01185 0.00056	8.90 1.00372 0.00056
		8.95 1.00703 0.00060
		9.00 1.01003 0.00056

3000	4000	5000
8.00 0.93290 0.00061	8.60 0.93146 0.00061	9.40 0.92223 0.00057
8.05 0.93748 0.00061	8.65 0.93715 0.00059	9.50 0.92786 0.00058
8.10 0.94046 0.00057	8.70 0.93934 0.00058	9.60 0.93437 0.00055
8.15 0.94449 0.00061	8.75 0.94221 0.00060	9.70 0.93829 0.00056
8.20 0.94717 0.00060	8.80 0.94504 0.00059	9.80 0.94395 0.00057
8.25 0.95106 0.00058	8.85 0.94798 0.00056	9.90 0.94845 0.00057
8.30 0.95468 0.00057	8.90 0.95082 0.00056	10.00 0.95389 0.00057
8.35 0.95808 0.00060	8.95 0.95301 0.00059	10.10 0.95810 0.00058
8.40 0.96102 0.00059	9.00 0.95662 0.00061	10.20 0.96254 0.00057
8.45 0.96436 0.00058	9.05 0.95984 0.00059	10.30 0.96772 0.00058
8.50 0.96863 0.00058	9.10 0.96113 0.00056	10.40 0.97131 0.00057
8.55 0.97019 0.00059	9.15 0.96401 0.00059	10.50 0.97625 0.00058
8.60 0.97402 0.00058	9.20 0.96838 0.00058	10.60 0.98044 0.00056
8.65 0.97760 0.00061	9.25 0.97078 0.00058	10.70 0.98522 0.00057
8.70 0.97948 0.00056	9.30 0.97323 0.00058	10.80 0.98855 0.00057
8.75 0.98299 0.00059	9.35 0.97850 0.00057	10.90 0.99428 0.00058
8.80 0.98725 0.00059	9.40 0.97977 0.00058	11.00 0.99787 0.00057
8.85 0.98898 0.00058	9.45 0.98311 0.00058	11.10 1.00039 0.00058
8.90 0.99337 0.00058	9.50 0.98426 0.00058	11.20 1.00494 0.00055
8.95 0.99601 0.00057	9.55 0.98749 0.00059	11.30 1.00964 0.00058
9.00 0.99806 0.00058	9.60 0.99001 0.00058	11.40 1.01246 0.00059
9.05 1.00070 0.00060	9.65 0.99221 0.00056	
9.10 1.00337 0.00057	9.70 0.99447 0.00058	
9.15 1.00629 0.00058	9.75 0.99768 0.00059	
9.20 1.00995 0.00058	9.80 0.99957 0.00058	
	9.85 1.00325 0.00056	
	9.90 1.00502 0.00059	
	9.95 1.00682 0.00056	
	10.00 1.01040 0.00057	

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6000	7000	7500
11.00 0.93028 0.00054	13.50 0.93456 0.00052	15.00 0.92752 0.00049
11.10 0.93330 0.00055	13.70 0.94013 0.00051	15.25 0.93366 0.00049
11.20 0.93719 0.00055	13.90 0.94541 0.00053	15.50 0.93812 0.00050
11.30 0.94038 0.00054	14.10 0.94938 0.00052	15.75 0.94314 0.00049
11.40 0.94637 0.00056	14.30 0.95555 0.00053	16.00 0.94817 0.00050
11.50 0.94887 0.00053	14.50 0.95913 0.00053	16.25 0.95241 0.00052
11.60 0.95280 0.00051	14.70 0.96407 0.00050	16.50 0.95659 0.00050
11.70 0.95609 0.00056	14.90 0.96879 0.00054	16.75 0.96081 0.00047
11.80 0.96011 0.00056	15.10 0.97118 0.00050	17.00 0.96499 0.00050
11.90 0.96412 0.00056	15.30 0.97641 0.00053	17.25 0.96843 0.00049
12.00 0.96641 0.00056	15.50 0.98056 0.00051	17.50 0.97304 0.00049
12.10 0.96993 0.00054	15.70 0.98464 0.00050	17.75 0.97724 0.00049
12.20 0.97325 0.00057	15.90 0.98752 0.00052	18.00 0.98056 0.00048
12.30 0.97696 0.00055	16.10 0.99179 0.00051	18.25 0.98365 0.00050
12.40 0.98031 0.00055	16.30 0.99520 0.00050	18.50 0.98646 0.00051
12.50 0.98340 0.00055	16.50 0.99961 0.00050	18.75 0.98977 0.00050
12.60 0.98533 0.00055	16.70 1.00186 0.00051	19.00 0.99295 0.00048
12.70 0.98868 0.00056	16.90 1.00423 0.00052	19.25 0.99598 0.00048
12.80 0.99232 0.00052	17.00 1.00782 0.00052	19.50 0.99845 0.00050
12.90 0.99510 0.00056		19.75 1.00245 0.00050
13.00 0.99716 0.00055		20.00 1.00349 0.00049
13.10 1.00035 0.00053		
13.20 1.00267 0.00055		
13.30 1.00602 0.00055		
13.40 1.00805 0.00056		

8000	9000	10000
18.00 0.93618 0.00047	30.00 0.93256 0.00040	999.98 0.90162 0.00033
18.50 0.94242 0.00047	40.00 0.95951 0.00041	999.99 0.90162 0.00033
19.00 0.94873 0.00048	50.00 0.97525 0.00040	
19.50 0.95462 0.00047	60.00 0.98228 0.00040	
20.00 0.96008 0.00046	70.00 0.98709 0.00038	
20.50 0.96567 0.00047	80.00 0.99068 0.00040	
21.00 0.97117 0.00048	90.00 0.99261 0.00040	
21.50 0.97612 0.00046	100.00 0.99433 0.00037	
22.00 0.98007 0.00047	110.00 0.99497 0.00039	
22.50 0.98410 0.00047	120.00 0.99644 0.00039	
23.00 0.98834 0.00049	130.00 0.99690 0.00041	
23.50 0.99164 0.00047	140.00 0.99725 0.00039	
24.00 0.99613 0.00047	150.00 0.99856 0.00038	
24.50 0.99927 0.00049	160.00 0.99915 0.00040	
25.00 1.00190 0.00048	170.00 0.99893 0.00038	
25.50 1.00542 0.00047	180.00 0.99882 0.00040	
26.00 1.00793 0.00046	190.00 0.99882 0.00041	
	200.00 0.99926 0.00028	
	210.00 0.99959 0.00028	
	220.00 0.99999 0.00028	
	230.00 0.99966 0.00028	
	240.00 1.00021 0.00028	
	250.00 1.00003 0.00027	

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		20		25		30	
999.98	0.10592	0.00002	999.98	0.13037	0.00003	999.98	0.15409 0.00004
999.99	0.10592	0.00002	999.99	0.13037	0.00003	999.99	0.15409 0.00004
		40		45		50	
999.98	0.19949	0.00005	999.98	0.22119	0.00005	999.98	0.24241 0.00006
999.99	0.19949	0.00005	999.99	0.22119	0.00005	999.99	0.24241 0.00006
		55		60		65	
999.98	0.26318	0.00006	999.98	0.28307	0.00007	999.98	0.30260 0.00007
999.99	0.26318	0.00006	999.99	0.28307	0.00007	999.99	0.30260 0.00007
		70		80		100	
999.98	0.32138	0.00008	999.98	0.35803	0.00008	999.98	0.42563 0.00010
999.99	0.32138	0.00008	999.99	0.35803	0.00008	999.99	0.42563 0.00010
		130		150		170	
999.98	0.51577	0.00012	999.98	0.56917	0.00012	999.98	0.61815 0.00013
999.99	0.51577	0.00012	999.99	0.56917	0.00012	999.99	0.61815 0.00013
		200		350		400	
999.98	0.68410	0.00015	999.98	0.92345	0.00019	999.98	0.97972 0.00020
999.99	0.68410	0.00015	999.99	0.92345	0.00019	999.99	0.97972 0.00020
		500		650		800	
14.50	0.93779	0.00034	9.00	0.89965	0.00041	8.50	0.93563 0.00046
15.00	0.94371	0.00033	9.20	0.90672	0.00041	8.60	0.93976 0.00045
15.50	0.95042	0.00034	9.40	0.91346	0.00041	8.70	0.94316 0.00044
16.00	0.95481	0.00033	9.60	0.91943	0.00041	8.80	0.94668 0.00044
16.50	0.96065	0.00033	9.80	0.92535	0.00040	8.90	0.95124 0.00043
17.00	0.96608	0.00033	10.00	0.93292	0.00040	9.00	0.95529 0.00044
17.50	0.97000	0.00033	10.20	0.93801	0.00040	9.10	0.95943 0.00044
18.00	0.97340	0.00032	10.40	0.94379	0.00040	9.20	0.96285 0.00044
18.50	0.97897	0.00032	10.60	0.94887	0.00039	9.30	0.96619 0.00044
19.00	0.98203	0.00031	10.80	0.95399	0.00039	9.40	0.96927 0.00044
19.50	0.98610	0.00032	11.00	0.95886	0.00041	9.50	0.97337 0.00043
20.00	0.98847	0.00031	11.20	0.96405	0.00040	9.60	0.97632 0.00042
20.50	0.99181	0.00032	11.40	0.96875	0.00039	9.70	0.97968 0.00044
21.00	0.99505	0.00031	11.60	0.97255	0.00041	9.80	0.98343 0.00045
21.50	0.99808	0.00030	11.80	0.97767	0.00040	9.90	0.98600 0.00043
22.00	1.00045	0.00030	12.00	0.98298	0.00039	10.00	0.98931 0.00043
22.50	1.00290	0.00030	12.20	0.98614	0.00039	10.10	0.99273 0.00043
			12.40	0.99027	0.00037	10.20	0.99536 0.00045
			12.60	0.99346	0.00038	10.30	0.99788 0.00042
			12.80	0.99780	0.00039	10.40	1.00065 0.00043
			13.00	1.00134	0.00037	10.50	1.00383 0.00041
			13.20	1.00475	0.00038		
			13.40	1.00786	0.00039		
			13.60	1.01234	0.00038		
			13.80	1.01393	0.00039		
			14.00	1.01828	0.00038		

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900	1000	1200
8.00 0.94065 0.00047	7.50 0.93922 0.00048	6.50 0.91103 0.00051
8.10 0.94537 0.00048	7.55 0.94146 0.00049	6.60 0.91808 0.00052
8.20 0.94950 0.00048	7.60 0.94427 0.00048	6.70 0.92549 0.00050
8.30 0.95492 0.00047	7.65 0.94624 0.00048	6.80 0.93095 0.00050
8.40 0.95866 0.00047	7.70 0.94921 0.00050	6.90 0.93682 0.00051
8.50 0.96337 0.00045	7.75 0.95108 0.00049	7.00 0.94261 0.00051
8.60 0.96790 0.00046	7.80 0.95304 0.00047	7.10 0.94785 0.00051
8.70 0.97184 0.00046	7.85 0.95528 0.00049	7.20 0.95436 0.00049
8.80 0.97573 0.00047	7.90 0.95800 0.00047	7.30 0.96021 0.00051
8.90 0.97920 0.00046	7.95 0.96125 0.00049	7.40 0.96538 0.00049
9.00 0.98349 0.00045	8.00 0.96303 0.00047	7.50 0.97035 0.00049
9.10 0.98687 0.00046	8.05 0.96543 0.00047	7.60 0.97610 0.00051
9.20 0.98982 0.00047	8.10 0.96866 0.00049	7.70 0.98199 0.00051
9.30 0.99464 0.00046	8.15 0.97053 0.00049	7.80 0.98632 0.00050
9.40 0.99840 0.00046	8.20 0.97372 0.00048	7.90 0.99212 0.00051
9.50 1.00168 0.00047	8.25 0.97443 0.00047	8.00 0.99604 0.00051
9.60 1.00440 0.00045	8.30 0.97684 0.00049	8.10 1.00070 0.00051
9.70 1.00895 0.00046	8.35 0.97903 0.00049	8.20 1.00572 0.00050
9.80 1.01179 0.00047	8.40 0.98176 0.00048	8.30 1.00932 0.00050
9.90 1.01503 0.00044	8.45 0.98393 0.00046	8.40 1.01469 0.00050
10.00 1.01792 0.00046	8.50 0.98639 0.00048	8.50 1.01928 0.00049
	8.55 0.98716 0.00048	
	8.60 0.98945 0.00047	
	8.65 0.99153 0.00048	
	8.70 0.99450 0.00047	
	8.75 0.99680 0.00047	
	8.80 0.99832 0.00046	
	8.85 0.99931 0.00048	
	8.90 1.00199 0.00047	
	8.95 1.00401 0.00048	
	9.00 1.00542 0.00048	

1500	1700	1900
6.40 0.93307 0.00051	6.30 0.93724 0.00055	6.20 0.93755 0.00056
6.45 0.93720 0.00054	6.35 0.94092 0.00054	6.25 0.94004 0.00054
6.50 0.94027 0.00053	6.40 0.94474 0.00052	6.30 0.94410 0.00057
6.55 0.94375 0.00052	6.45 0.94823 0.00054	6.35 0.94667 0.00057
6.60 0.94677 0.00054	6.50 0.95045 0.00054	6.40 0.95192 0.00057
6.65 0.95028 0.00054	6.55 0.95514 0.00054	6.45 0.95445 0.00056
6.70 0.95293 0.00054	6.60 0.95873 0.00055	6.50 0.95839 0.00057
6.75 0.95609 0.00054	6.65 0.96128 0.00054	6.55 0.96070 0.00054
6.80 0.95890 0.00052	6.70 0.96446 0.00053	6.60 0.96521 0.00055
6.85 0.96131 0.00053	6.75 0.96750 0.00054	6.65 0.96815 0.00055
6.90 0.96526 0.00051	6.80 0.97111 0.00053	6.70 0.97102 0.00053
6.95 0.96902 0.00056	6.85 0.97288 0.00054	6.75 0.97459 0.00056
7.00 0.97201 0.00053	6.90 0.97696 0.00054	6.80 0.97716 0.00056
7.05 0.97509 0.00054	6.95 0.98052 0.00054	6.85 0.98010 0.00056
7.10 0.97718 0.00052	7.00 0.98337 0.00055	6.90 0.98430 0.00056
7.15 0.98110 0.00053	7.05 0.98527 0.00054	6.95 0.98623 0.00056
7.20 0.98363 0.00055	7.10 0.98939 0.00054	7.00 0.99054 0.00054
7.25 0.98630 0.00053	7.15 0.99192 0.00053	7.05 0.99336 0.00055
7.30 0.99007 0.00053	7.20 0.99489 0.00053	7.10 0.99572 0.00055
7.35 0.99185 0.00053	7.25 0.99825 0.00053	7.15 0.99889 0.00057
7.40 0.99519 0.00053	7.30 1.00154 0.00054	7.20 1.00258 0.00054
7.45 0.99749 0.00052	7.35 1.00445 0.00054	7.25 1.00405 0.00056
7.50 1.00142 0.00056	7.40 1.00681 0.00055	7.30 1.00752 0.00055
7.55 1.00361 0.00055		
7.60 1.00520 0.00052		

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2000	2100	2500
6.20 0.93931 0.00055	6.10 0.93409 0.00058	6.10 0.93213 0.00057
6.25 0.94269 0.00059	6.20 0.94096 0.00056	6.15 0.93546 0.00055
6.30 0.94700 0.00057	6.30 0.94769 0.00057	6.20 0.93978 0.00059
6.35 0.94974 0.00055	6.40 0.95515 0.00056	6.25 0.94387 0.00056
6.40 0.95343 0.00053	6.50 0.96104 0.00054	6.30 0.94794 0.00057
6.45 0.95651 0.00056	6.60 0.96835 0.00053	6.35 0.95192 0.00056
6.50 0.95956 0.00057	6.70 0.97509 0.00056	6.40 0.95394 0.00056
6.55 0.96415 0.00054	6.80 0.98007 0.00057	6.45 0.95779 0.00057
6.60 0.96676 0.00058	6.90 0.98730 0.00056	6.50 0.96084 0.00058
6.65 0.96955 0.00055	7.00 0.99384 0.00055	6.55 0.96479 0.00058
6.70 0.97351 0.00055	7.10 0.99968 0.00055	6.60 0.96670 0.00059
6.75 0.97624 0.00056	7.20 1.00527 0.00055	6.65 0.97122 0.00058
6.80 0.98008 0.00055	7.30 1.01119 0.00055	6.70 0.97410 0.00053
6.85 0.98393 0.00055		6.75 0.97746 0.00058
6.90 0.98577 0.00056		6.80 0.98060 0.00058
6.95 0.98968 0.00053		6.85 0.98467 0.00058
7.00 0.99187 0.00055		6.90 0.98736 0.00059
7.05 0.99607 0.00055		6.95 0.99070 0.00055
7.10 0.99852 0.00055		7.00 0.99325 0.00057
7.15 1.00152 0.00056		7.05 0.99688 0.00056
7.20 1.00425 0.00056		7.10 0.99934 0.00056
7.25 1.00720 0.00055		7.15 1.00258 0.00056
7.30 1.00900 0.00055		7.20 1.00522 0.00058
7.35 1.01263 0.00055		7.25 1.00825 0.00057
7.40 1.01596 0.00057		7.30 1.01070 0.00056
7.45 1.01811 0.00057		
7.50 1.02064 0.00055		

3000	4000	5000
6.30 0.93737 0.00059	6.80 0.93430 0.00056	7.60 0.92910 0.00056
6.35 0.94212 0.00058	6.85 0.93787 0.00056	7.70 0.93464 0.00057
6.40 0.94455 0.00059	6.90 0.94152 0.00056	7.80 0.93973 0.00056
6.45 0.94815 0.00057	6.95 0.94422 0.00058	7.90 0.94370 0.00057
6.50 0.95215 0.00057	7.00 0.94651 0.00058	8.00 0.94970 0.00056
6.55 0.95441 0.00059	7.05 0.94999 0.00058	8.10 0.95341 0.00057
6.60 0.95901 0.00056	7.10 0.95271 0.00058	8.20 0.95837 0.00056
6.65 0.96220 0.00059	7.15 0.95577 0.00055	8.30 0.96350 0.00058
6.70 0.96518 0.00055	7.20 0.95925 0.00055	8.40 0.96843 0.00055
6.75 0.96884 0.00059	7.25 0.96105 0.00058	8.50 0.97194 0.00056
6.80 0.97215 0.00057	7.30 0.96391 0.00058	8.60 0.97513 0.00057
6.85 0.97386 0.00055	7.35 0.96691 0.00058	8.70 0.98007 0.00057
6.90 0.97781 0.00059	7.40 0.97074 0.00058	8.80 0.98465 0.00059
6.95 0.98041 0.00056	7.45 0.97230 0.00058	8.90 0.98993 0.00055
7.00 0.98389 0.00059	7.50 0.97581 0.00057	9.00 0.99435 0.00055
7.05 0.98508 0.00055	7.55 0.97760 0.00057	9.10 0.99656 0.00058
7.10 0.98996 0.00058	7.60 0.98092 0.00058	9.20 1.00138 0.00056
7.15 0.99252 0.00058	7.65 0.98360 0.00056	9.30 1.00614 0.00057
7.20 0.99609 0.00057	7.70 0.98497 0.00057	
7.25 0.99878 0.00056	7.75 0.98844 0.00056	
7.30 1.00125 0.00057	7.80 0.99065 0.00058	
7.35 1.00408 0.00058	7.85 0.99445 0.00056	
7.40 1.00729 0.00057	7.90 0.99646 0.00056	
	7.95 0.99916 0.00060	
	8.00 1.00080 0.00058	
	8.05 1.00376 0.00056	
	8.10 1.00582 0.00057	

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6000	7000	7500
9.00 0.93073 0.00053	11.40 0.93549 0.00054	13.00 0.93434 0.00050
9.10 0.93470 0.00056	11.60 0.94103 0.00053	13.20 0.93683 0.00051
9.20 0.93948 0.00055	11.80 0.94566 0.00053	13.40 0.94068 0.00051
9.30 0.94296 0.00055	12.00 0.95185 0.00053	13.60 0.94487 0.00050
9.40 0.94557 0.00054	12.20 0.95575 0.00052	13.80 0.94855 0.00050
9.50 0.94903 0.00054	12.40 0.96040 0.00052	14.00 0.95209 0.00050
9.60 0.95259 0.00055	12.60 0.96484 0.00052	14.20 0.95466 0.00051
9.70 0.95669 0.00053	12.80 0.96952 0.00051	14.40 0.95924 0.00049
9.80 0.96056 0.00053	13.00 0.97292 0.00049	14.60 0.96216 0.00051
9.90 0.96426 0.00055	13.20 0.97847 0.00052	14.80 0.96472 0.00050
10.00 0.96757 0.00055	13.40 0.98073 0.00053	15.00 0.96877 0.00050
10.10 0.96983 0.00054	13.60 0.98513 0.00053	15.20 0.97086 0.00049
10.20 0.97302 0.00055	13.80 0.98773 0.00053	15.40 0.97396 0.00050
10.30 0.97762 0.00055	14.00 0.99170 0.00053	15.60 0.97615 0.00050
10.40 0.98045 0.00055	14.20 0.99640 0.00054	15.80 0.97937 0.00050
10.50 0.98382 0.00054	14.40 0.99932 0.00053	16.00 0.98263 0.00049
10.60 0.98600 0.00054	14.60 1.00302 0.00051	16.20 0.98561 0.00050
10.70 0.99004 0.00056		16.40 0.98916 0.00051
10.80 0.99310 0.00055		16.60 0.99056 0.00052
10.90 0.99564 0.00055		16.80 0.99420 0.00050
11.00 0.99824 0.00051		17.00 0.99537 0.00051
11.10 1.00100 0.00053		17.20 0.99796 0.00048
11.20 1.00427 0.00054		17.40 1.00048 0.00052
11.30 1.00578 0.00056		17.60 1.00161 0.00049
11.40 1.00935 0.00052		
11.50 1.01082 0.00054		

8000	9000	10000
16.00 0.93973 0.00047	30.00 0.94192 0.00042	999.98 0.90162 0.00033
16.50 0.94698 0.00046	40.00 0.96480 0.00041	999.99 0.90162 0.00033
17.00 0.95313 0.00047	50.00 0.97645 0.00041	
17.50 0.95809 0.00048	60.00 0.98339 0.00040	
18.00 0.96345 0.00048	70.00 0.98785 0.00039	
18.50 0.96899 0.00047	80.00 0.99099 0.00040	
19.00 0.97353 0.00050	90.00 0.99299 0.00040	
19.50 0.97875 0.00051	100.00 0.99395 0.00040	
20.00 0.98243 0.00048	110.00 0.99486 0.00038	
20.50 0.98689 0.00046	120.00 0.99685 0.00039	
21.00 0.99065 0.00049	130.00 0.99663 0.00041	
21.50 0.99462 0.00045	140.00 0.99735 0.00039	
22.00 0.99773 0.00049	150.00 0.99721 0.00040	
22.50 1.00113 0.00047	160.00 0.99902 0.00039	
23.00 1.00436 0.00048	170.00 0.99884 0.00039	
23.50 1.00691 0.00048	190.00 0.99937 0.00040	
24.00 1.01028 0.00047	200.00 0.99981 0.00041	
	210.00 0.99971 0.00041	
	220.00 0.99946 0.00041	
	230.00 0.99915 0.00038	
	240.00 0.99989 0.00039	
	250.00 1.00003 0.00041	
	260.00 0.99961 0.00040	
	270.00 0.99996 0.00040	
	280.00 1.00022 0.00039	

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15000	18900
999.98 0.75933 0.00027	999.98 0.75915 0.00026
999.99 0.75933 0.00027	999.99 0.75915 0.00026

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	20	25	30
999.98 0.10592 0.00002	999.98 0.13037 0.00003	999.98 0.15409 0.00004	
999.99 0.10592 0.00002	999.99 0.13037 0.00003	999.99 0.15409 0.00004	
	40	45	50
999.98 0.19949 0.00005	999.98 0.22119 0.00005	999.98 0.24241 0.00006	
999.99 0.19949 0.00005	999.99 0.22119 0.00005	999.99 0.24241 0.00006	
	55	60	65
999.98 0.26318 0.00006	999.98 0.28307 0.00007	999.98 0.30260 0.00007	
999.99 0.26318 0.00006	999.99 0.28307 0.00007	999.99 0.30260 0.00007	
	70	80	100
999.98 0.32138 0.00008	999.98 0.35803 0.00008	999.98 0.42563 0.00010	
999.99 0.32138 0.00008	999.99 0.35803 0.00008	999.99 0.42563 0.00010	
	130	150	170
999.98 0.51577 0.00012	999.98 0.56917 0.00012	999.98 0.61815 0.00013	
999.99 0.51577 0.00012	999.99 0.56917 0.00012	999.99 0.61815 0.00013	
	200	350	400
999.98 0.68410 0.00015	999.98 0.92345 0.00019	999.98 0.97972 0.00020	
999.99 0.68410 0.00015	999.99 0.92345 0.00019	999.99 0.97972 0.00020	
	500	650	800
13.00 0.93398 0.00034	9.00 0.93909 0.00038	7.20 0.93411 0.00043	
13.50 0.94042 0.00032	9.10 0.94188 0.00037	7.30 0.93878 0.00041	
14.00 0.94664 0.00032	9.20 0.94423 0.00038	7.40 0.94231 0.00042	
14.50 0.95212 0.00032	9.30 0.94742 0.00038	7.50 0.94685 0.00042	
15.00 0.95794 0.00032	9.40 0.95070 0.00038	7.60 0.95093 0.00041	
15.50 0.96309 0.00032	9.50 0.95339 0.00039	7.70 0.95459 0.00043	
16.00 0.96730 0.00032	9.60 0.95579 0.00037	7.80 0.95802 0.00042	
16.50 0.97272 0.00031	9.70 0.95788 0.00038	7.90 0.96113 0.00041	
17.00 0.97631 0.00031	9.80 0.96049 0.00038	8.00 0.96458 0.00041	
17.50 0.98016 0.00031	9.90 0.96334 0.00038	8.10 0.96873 0.00042	
18.00 0.98384 0.00031	10.00 0.96511 0.00038	8.20 0.97161 0.00041	
18.50 0.98811 0.00030	10.10 0.96691 0.00038	8.30 0.97563 0.00041	
19.00 0.99064 0.00030	10.20 0.96994 0.00040	8.40 0.97891 0.00042	
19.50 0.99291 0.00030	10.30 0.97276 0.00036	8.50 0.98244 0.00041	
20.00 0.99679 0.00031	10.40 0.97390 0.00038	8.60 0.98522 0.00042	
20.50 0.99917 0.00031	10.50 0.97644 0.00036	8.70 0.98884 0.00041	
21.00 1.00143 0.00030	10.60 0.97818 0.00038	8.80 0.99188 0.00040	
21.50 1.00421 0.00029	10.70 0.98103 0.00038	8.90 0.99453 0.00040	
22.00 1.00662 0.00028	10.80 0.98309 0.00038	9.00 0.99724 0.00041	
	10.90 0.98495 0.00037	9.10 1.00090 0.00039	
	11.00 0.98709 0.00038	9.20 1.00341 0.00040	
	11.10 0.98921 0.00038	9.30 1.00638 0.00041	
	11.20 0.99117 0.00037		
	11.30 0.99384 0.00037		
	11.40 0.99492 0.00037		
	11.50 0.99609 0.00037		
	11.60 0.99889 0.00036		
	11.70 1.00056 0.00038		
	11.80 1.00221 0.00036		
	11.90 1.00340 0.00036		
	12.00 1.00615 0.00036		

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900	1000	1200
6.50 0.93133 0.00045	6.00 0.92813 0.00046	5.40 0.92855 0.00048
6.60 0.93609 0.00044	6.10 0.93434 0.00045	5.45 0.93174 0.00048
6.70 0.94019 0.00043	6.20 0.93933 0.00044	5.50 0.93521 0.00046
6.80 0.94647 0.00045	6.30 0.94429 0.00045	5.55 0.93661 0.00046
6.90 0.95022 0.00043	6.40 0.95039 0.00044	5.60 0.94114 0.00048
7.00 0.95421 0.00043	6.50 0.95513 0.00045	5.65 0.94349 0.00046
7.10 0.95895 0.00043	6.60 0.95967 0.00046	5.70 0.94609 0.00046
7.20 0.96381 0.00044	6.70 0.96468 0.00045	5.75 0.95022 0.00047
7.30 0.96761 0.00043	6.80 0.96865 0.00045	5.80 0.95289 0.00047
7.40 0.97179 0.00044	6.90 0.97355 0.00046	5.85 0.95538 0.00048
7.50 0.97549 0.00043	7.00 0.97882 0.00046	5.90 0.95859 0.00044
7.60 0.98042 0.00045	7.10 0.98239 0.00044	5.95 0.96156 0.00046
7.70 0.98364 0.00042	7.20 0.98715 0.00046	6.00 0.96353 0.00047
7.80 0.98703 0.00043	7.30 0.99141 0.00047	6.05 0.96760 0.00048
7.90 0.99144 0.00043	7.40 0.99599 0.00045	6.10 0.96997 0.00049
8.00 0.99473 0.00042	7.50 0.99888 0.00044	6.15 0.97205 0.00048
8.10 0.99827 0.00043	7.60 1.00356 0.00046	6.20 0.97429 0.00047
8.20 1.00133 0.00043	7.70 1.00799 0.00044	6.25 0.97739 0.00047
8.30 1.00506 0.00046	7.80 1.01243 0.00045	6.30 0.97998 0.00048
8.40 1.00828 0.00042	7.90 1.01472 0.00045	6.35 0.98243 0.00049
8.50 1.01185 0.00044	8.00 1.01901 0.00044	6.40 0.98467 0.00047
	8.10 1.02212 0.00044	6.45 0.98706 0.00047
	8.20 1.02538 0.00046	6.50 0.98948 0.00048
		6.55 0.99328 0.00046
		6.60 0.99567 0.00048
		6.65 0.99802 0.00049
		6.70 1.00026 0.00045
		6.75 1.00256 0.00047
		6.80 1.00428 0.00046
		6.85 1.00687 0.00047
		6.90 1.00905 0.00047
		6.95 1.01123 0.00047
		7.00 1.01420 0.00048

1500	1700	1900
5.00 0.93565 0.00047	4.60 0.92078 0.00052	4.70 0.93801 0.00052
5.05 0.93875 0.00052	4.65 0.92465 0.00050	4.75 0.94165 0.00051
5.10 0.94253 0.00050	4.70 0.92819 0.00052	4.80 0.94557 0.00050
5.15 0.94520 0.00050	4.75 0.93038 0.00051	4.85 0.94917 0.00053
5.20 0.94937 0.00051	4.80 0.93602 0.00052	4.90 0.95262 0.00052
5.25 0.95244 0.00050	4.85 0.93973 0.00051	4.95 0.95615 0.00051
5.30 0.95556 0.00050	4.90 0.94310 0.00051	5.00 0.95982 0.00053
5.35 0.95911 0.00048	4.95 0.94624 0.00052	5.05 0.96293 0.00052
5.40 0.96205 0.00049	5.00 0.95011 0.00049	5.10 0.96688 0.00051
5.45 0.96482 0.00052	5.05 0.95325 0.00050	5.15 0.96928 0.00052
5.50 0.96753 0.00050	5.10 0.95673 0.00049	5.20 0.97368 0.00053
5.55 0.97126 0.00048	5.15 0.96005 0.00050	5.25 0.97710 0.00053
5.60 0.97528 0.00049	5.20 0.96301 0.00049	5.30 0.97920 0.00052
5.65 0.97802 0.00049	5.25 0.96689 0.00052	5.35 0.98370 0.00052
5.70 0.97978 0.00051	5.30 0.97031 0.00053	5.40 0.98596 0.00052
5.75 0.98331 0.00049	5.35 0.97323 0.00051	5.45 0.98937 0.00051
5.80 0.98651 0.00051	5.40 0.97596 0.00049	5.50 0.99143 0.00051
5.85 0.98864 0.00049	5.45 0.97965 0.00051	5.55 0.99557 0.00051
5.90 0.99245 0.00050	5.50 0.98245 0.00049	5.60 0.99841 0.00052
5.95 0.99504 0.00050	5.55 0.98560 0.00052	5.65 1.00121 0.00052
6.00 0.99711 0.00049	5.60 0.98898 0.00053	5.70 1.00483 0.00050
6.05 0.99979 0.00051	5.65 0.99134 0.00050	

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6.10	1.00220	0.00048	5.70	0.99509	0.00051
6.15	1.00660	0.00049	5.75	0.99816	0.00051
6.20	1.00794	0.00049	5.80	1.00137	0.00052
6.25	1.01061	0.00048	5.85	1.00293	0.00050
6.30	1.01451	0.00050	5.90	1.00658	0.00051
			5.95	1.00866	0.00052
			6.00	1.01172	0.00052

2000	2100	2500
4.60 0.93522 0.00052	4.40 0.92305 0.00051	4.50 0.93700 0.00054
4.65 0.93872 0.00053	4.45 0.92686 0.00053	4.55 0.94036 0.00053
4.70 0.94301 0.00050	4.50 0.93071 0.00054	4.60 0.94538 0.00054
4.75 0.94743 0.00049	4.55 0.93455 0.00052	4.65 0.94821 0.00055
4.80 0.94894 0.00052	4.60 0.93778 0.00052	4.70 0.95192 0.00053
4.85 0.95385 0.00051	4.65 0.94195 0.00052	4.75 0.95584 0.00052
4.90 0.95719 0.00054	4.70 0.94568 0.00051	4.80 0.95845 0.00052
4.95 0.96011 0.00053	4.75 0.94923 0.00050	4.85 0.96179 0.00052
5.00 0.96379 0.00051	4.80 0.95214 0.00052	4.90 0.96626 0.00055
5.05 0.96651 0.00053	4.85 0.95664 0.00053	4.95 0.96764 0.00053
5.10 0.97073 0.00051	4.90 0.95857 0.00054	5.00 0.97298 0.00055
5.15 0.97336 0.00049	4.95 0.96306 0.00052	5.05 0.97491 0.00052
5.20 0.97641 0.00051	5.00 0.96692 0.00052	5.10 0.97855 0.00053
5.25 0.97982 0.00051	5.05 0.97027 0.00051	5.15 0.98203 0.00052
5.30 0.98313 0.00053	5.10 0.97340 0.00053	5.20 0.98611 0.00053
5.35 0.98637 0.00050	5.15 0.97650 0.00053	5.25 0.98850 0.00053
5.40 0.98933 0.00053	5.20 0.97955 0.00050	5.30 0.99259 0.00055
5.45 0.99312 0.00052	5.25 0.98283 0.00052	5.35 0.99452 0.00053
5.50 0.99668 0.00051	5.30 0.98667 0.00051	5.40 0.99769 0.00052
5.55 0.99896 0.00052	5.35 0.98906 0.00053	5.45 1.00097 0.00050
5.60 1.00153 0.00051	5.40 0.99249 0.00053	5.50 1.00428 0.00053
5.65 1.00472 0.00052	5.45 0.99519 0.00053	5.55 1.00707 0.00053
5.70 1.00748 0.00053	5.50 0.99893 0.00051	5.60 1.01035 0.00053
	5.55 1.00177 0.00052	
	5.60 1.00479 0.00052	
	5.65 1.00867 0.00053	
	5.70 1.01136 0.00054	

3000	4000	5000
4.50 0.93631 0.00055	4.70 0.93214 0.00053	5.40 0.93687 0.00056
4.55 0.93959 0.00054	4.75 0.93491 0.00054	5.50 0.94220 0.00053
4.60 0.94333 0.00053	4.80 0.93715 0.00056	5.60 0.94733 0.00052
4.65 0.94748 0.00053	4.85 0.94034 0.00055	5.70 0.95294 0.00053
4.70 0.95130 0.00053	4.90 0.94357 0.00055	5.80 0.95673 0.00052
4.75 0.95405 0.00053	4.95 0.94715 0.00055	5.90 0.96109 0.00053
4.80 0.95765 0.00053	5.00 0.95025 0.00053	6.00 0.96662 0.00052
4.85 0.96129 0.00054	5.05 0.95198 0.00054	6.10 0.97080 0.00055
4.90 0.96485 0.00053	5.10 0.95553 0.00055	6.20 0.97452 0.00053
4.95 0.96709 0.00052	5.15 0.95803 0.00055	6.30 0.97874 0.00053
5.00 0.97081 0.00052	5.20 0.96204 0.00056	6.40 0.98350 0.00053
5.05 0.97266 0.00054	5.25 0.96449 0.00053	6.50 0.98804 0.00053
5.10 0.97733 0.00052	5.30 0.96697 0.00052	6.60 0.99148 0.00053
5.15 0.97990 0.00054	5.35 0.96998 0.00055	6.70 0.99521 0.00054
5.20 0.98267 0.00053	5.40 0.97308 0.00054	6.80 0.99944 0.00054

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5.25	0.98553	0.00053	5.45	0.97561	0.00054	6.90	1.00335	0.00052
5.30	0.98977	0.00054	5.50	0.97770	0.00053	7.00	1.00820	0.00053
5.35	0.99290	0.00052	5.55	0.98113	0.00055	7.10	1.01209	0.00051
5.40	0.99633	0.00055	5.60	0.98381	0.00055	7.20	1.01570	0.00052
5.45	0.99859	0.00054	5.65	0.98742	0.00055			
5.50	1.00082	0.00053	5.70	0.98905	0.00053			
5.55	1.00415	0.00055	5.75	0.99207	0.00053			
5.60	1.00694	0.00052	5.80	0.99407	0.00055			
			5.85	0.99713	0.00053			
			5.90	0.99944	0.00051			
			5.95	1.00156	0.00054			
			6.00	1.00470	0.00055			
			6.05	1.00701	0.00052			
			6.10	1.01051	0.00053			
			6.15	1.01077	0.00053			
			6.20	1.01356	0.00053			

6000	7000	7500						
6.30	0.93449	0.00052	8.00	0.93450	0.00051	9.60	0.93832	0.00052
6.40	0.93784	0.00052	8.20	0.93868	0.00050	9.80	0.94238	0.00050
6.50	0.94138	0.00052	8.40	0.94358	0.00050	10.00	0.94609	0.00047
6.60	0.94507	0.00052	8.60	0.94977	0.00051	10.20	0.94960	0.00051
6.70	0.94816	0.00051	8.80	0.95385	0.00050	10.40	0.95320	0.00050
6.80	0.95194	0.00050	9.00	0.95895	0.00049	10.60	0.95707	0.00048
6.90	0.95625	0.00051	9.20	0.96278	0.00050	10.80	0.96050	0.00047
7.00	0.95992	0.00051	9.40	0.96685	0.00052	11.00	0.96397	0.00048
7.10	0.96276	0.00051	9.60	0.97143	0.00052	11.20	0.96612	0.00051
7.20	0.96684	0.00052	9.80	0.97510	0.00051	11.40	0.97016	0.00048
7.30	0.97000	0.00052	10.00	0.98004	0.00050	11.60	0.97281	0.00048
7.40	0.97269	0.00051	10.20	0.98339	0.00051	11.80	0.97485	0.00047
7.50	0.97553	0.00051	10.40	0.98743	0.00049	12.00	0.97905	0.00048
7.60	0.97897	0.00053	10.60	0.98995	0.00051	12.20	0.98163	0.00048
7.70	0.98187	0.00052	10.80	0.99364	0.00052	12.40	0.98452	0.00048
7.80	0.98454	0.00053	11.00	0.99729	0.00052	12.60	0.98774	0.00049
7.90	0.98806	0.00052	11.20	1.00101	0.00050	12.80	0.98954	0.00049
8.00	0.99069	0.00054	11.40	1.00401	0.00049	13.00	0.99162	0.00048
8.10	0.99461	0.00051	11.60	1.00755	0.00049	13.20	0.99254	0.00047
8.20	0.99742	0.00051				13.40	0.99655	0.00046
8.30	0.99946	0.00053				13.60	0.99858	0.00047
8.40	1.00238	0.00052				13.80	1.00115	0.00048
8.50	1.00474	0.00053				14.00	1.00237	0.00047
						14.20	1.00526	0.00049
						14.40	1.00643	0.00049

8000	9000	10000						
10.00	0.91280	0.00049	20.00	0.92548	0.00043	999.98	0.90162	0.00033
10.50	0.92128	0.00045	30.00	0.95698	0.00042	999.99	0.90162	0.00033
11.00	0.92848	0.00045	40.00	0.97230	0.00042			
11.50	0.93558	0.00048	50.00	0.98097	0.00040			
12.00	0.94168	0.00047	60.00	0.98538	0.00040			
12.50	0.94880	0.00050	70.00	0.98961	0.00039			
13.00	0.95490	0.00048	80.00	0.99089	0.00041			
13.50	0.96026	0.00047	90.00	0.99450	0.00039			

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14.00	0.96615	0.00046	100.00	0.99405	0.00039
14.50	0.97010	0.00047	110.00	0.99599	0.00043
15.00	0.97507	0.00047	120.00	0.99638	0.00040
15.50	0.97892	0.00049	130.00	0.99623	0.00040
16.00	0.98294	0.00048	140.00	0.99797	0.00041
16.50	0.98760	0.00047	150.00	0.99892	0.00039
17.00	0.99141	0.00045	160.00	0.99814	0.00038
17.50	0.99511	0.00047	170.00	0.99807	0.00040
18.00	0.99775	0.00048	180.00	0.99997	0.00039
18.50	1.00083	0.00046	190.00	0.99943	0.00038
19.00	1.00455	0.00046	200.00	0.99957	0.00040
19.50	1.00862	0.00045	210.00	0.99974	0.00039
20.00	1.00998	0.00048	220.00	0.99928	0.00040
			230.00	0.99936	0.00040
			240.00	0.99998	0.00038
			250.00	0.99953	0.00039
			260.00	1.00078	0.00040
			270.00	1.00035	0.00039
			280.00	1.00040	0.00040
			290.00	0.99954	0.00040
			300.00	1.00067	0.00039

15000			18900		
999.98	0.75933	0.00027	999.98	0.75915	0.00026
999.99	0.75933	0.00027	999.99	0.75915	0.00026

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20		25		30	
999.98	0.13061	0.00003	999.98	0.16029	0.00004
999.99	0.13061	0.00003	999.99	0.16029	0.00004
40		45		50	
999.98	0.24336	0.00006	999.98	0.26913	0.00007
			999.99	0.26913	0.00007
55		60		65	
999.98	0.31838	0.00007	999.98	0.34172	0.00008
999.99	0.31838	0.00007			
70		80		100	
999.98	0.38629	0.00009	999.98	0.42848	0.00010
999.99	0.38629	0.00009	999.99	0.42848	0.00010
130		150		170	
999.98	0.60544	0.00013	999.98	0.66419	0.00014
999.99	0.60544	0.00013	999.99	0.66419	0.00014

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200	350	400
999.98 0.78767 0.00016	18.00 0.92457 0.00030	14.00 0.91977 0.00037
999.99 0.78767 0.00016	19.00 0.93413 0.00031	14.50 0.92892 0.00034
	20.00 0.94220 0.00030	15.00 0.93745 0.00034
	21.00 0.94933 0.00030	15.50 0.94420 0.00034
	22.00 0.95602 0.00029	16.00 0.95142 0.00035
	23.00 0.96128 0.00030	16.50 0.95834 0.00034
	24.00 0.96632 0.00028	17.00 0.96495 0.00034
	25.00 0.97062 0.00029	17.50 0.96969 0.00034
	26.00 0.97446 0.00027	18.00 0.97598 0.00034
	27.00 0.97804 0.00027	18.50 0.97982 0.00033
	28.00 0.98200 0.00026	19.00 0.98495 0.00033
	29.00 0.98513 0.00026	19.50 0.98936 0.00033
	30.00 0.98713 0.00027	20.00 0.99329 0.00032
	31.00 0.99006 0.00026	20.50 0.99718 0.00033
	32.00 0.99281 0.00025	21.00 1.00122 0.00032
	33.00 0.99454 0.00027	21.50 1.00397 0.00031
	34.00 0.99686 0.00027	22.00 1.00756 0.00031
	35.00 0.99892 0.00026	22.50 1.01106 0.00029
	36.00 0.99959 0.00025	23.00 1.01312 0.00031
	37.00 1.00147 0.00026	23.50 1.01586 0.00032
	38.00 1.00275 0.00025	24.00 1.01903 0.00031
	39.00 1.00482 0.00026	
	40.00 1.00516 0.00025	
500	650	800
11.60 0.93868 0.00040	9.00 0.90798 0.00047	8.50 0.92750 0.00050
11.70 0.94064 0.00040	9.10 0.91286 0.00048	8.60 0.93239 0.00052
11.80 0.94317 0.00042	9.20 0.91906 0.00048	8.70 0.93886 0.00051
11.90 0.94750 0.00040	9.30 0.92275 0.00047	8.80 0.94392 0.00051
12.00 0.94914 0.00040	9.40 0.92824 0.00048	8.90 0.95074 0.00049
12.10 0.95159 0.00040	9.50 0.93259 0.00046	9.00 0.95600 0.00052
12.20 0.95495 0.00041	9.60 0.93799 0.00046	9.10 0.96102 0.00048
12.30 0.95766 0.00040	9.70 0.94272 0.00046	9.20 0.96677 0.00050
12.40 0.95974 0.00039	9.80 0.94678 0.00048	9.30 0.97275 0.00049
12.50 0.96227 0.00041	9.90 0.95093 0.00045	9.40 0.97637 0.00050
12.60 0.96512 0.00040	10.00 0.95520 0.00047	9.50 0.98168 0.00048
12.70 0.96795 0.00039	10.10 0.95956 0.00046	9.60 0.98615 0.00049
12.80 0.97012 0.00040	10.20 0.96346 0.00046	9.70 0.99134 0.00050
12.90 0.97248 0.00040	10.30 0.96798 0.00046	9.80 0.99454 0.00050
13.00 0.97464 0.00039	10.40 0.97209 0.00045	9.90 1.00061 0.00049
13.10 0.97658 0.00039	10.50 0.97550 0.00046	10.00 1.00520 0.00050
13.20 0.97978 0.00040	10.60 0.97934 0.00046	10.10 1.00930 0.00049
13.30 0.98148 0.00040	10.70 0.98270 0.00045	10.20 1.01313 0.00050
13.40 0.98331 0.00040	10.80 0.98659 0.00046	10.30 1.01717 0.00047
13.50 0.98588 0.00040	10.90 0.99057 0.00045	10.40 1.02263 0.00050
13.60 0.98812 0.00039	11.00 0.99416 0.00043	10.50 1.02523 0.00049
13.70 0.98957 0.00039	11.10 0.99715 0.00044	
13.80 0.99204 0.00039	11.20 1.00171 0.00046	
13.90 0.99327 0.00039		
14.00 0.99637 0.00038		
14.10 0.99837 0.00039		
14.20 1.00073 0.00037		
14.30 1.00183 0.00038		
14.40 1.00412 0.00039		

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900	1000	1200
8.00 0.91770 0.00052	8.00 0.93504 0.00052	7.50 0.92255 0.00056
8.10 0.92475 0.00052	8.05 0.93906 0.00052	7.55 0.92773 0.00057
8.20 0.93097 0.00051	8.10 0.94207 0.00053	7.60 0.93030 0.00058
8.30 0.93814 0.00052	8.15 0.94613 0.00053	7.65 0.93392 0.00055
8.40 0.94412 0.00053	8.20 0.94868 0.00055	7.70 0.93900 0.00055
8.50 0.95032 0.00053	8.25 0.95202 0.00055	7.75 0.94359 0.00056
8.60 0.95544 0.00052	8.30 0.95468 0.00056	7.80 0.94625 0.00054
8.70 0.96225 0.00050	8.35 0.95875 0.00056	7.85 0.94915 0.00055
8.80 0.96720 0.00051	8.40 0.96114 0.00051	7.90 0.95283 0.00056
8.90 0.97331 0.00051	8.45 0.96507 0.00054	7.95 0.95628 0.00055
9.00 0.97899 0.00053	8.50 0.96873 0.00054	8.00 0.96047 0.00054
9.10 0.98454 0.00051	8.55 0.97071 0.00052	8.05 0.96459 0.00054
9.20 0.99000 0.00052	8.60 0.97434 0.00052	8.10 0.96805 0.00056
9.30 0.99479 0.00051	8.65 0.97697 0.00052	8.15 0.96991 0.00054
9.40 1.00043 0.00052	8.70 0.97970 0.00052	8.20 0.97460 0.00058
9.50 1.00522 0.00050	8.75 0.98365 0.00054	8.25 0.97668 0.00055
9.60 1.01001 0.00052	8.80 0.98645 0.00053	8.30 0.98025 0.00056
9.70 1.01471 0.00052	8.85 0.98892 0.00053	8.35 0.98312 0.00057
9.80 1.01887 0.00050	8.90 0.99159 0.00053	8.40 0.98621 0.00056
9.90 1.02495 0.00052	8.95 0.99477 0.00052	8.45 0.99034 0.00056
10.00 1.02807 0.00052	9.00 0.99715 0.00053	8.50 0.99443 0.00055
	9.05 1.00015 0.00050	8.55 0.99632 0.00054
	9.10 1.00325 0.00053	8.60 1.00053 0.00054
	9.15 1.00589 0.00052	8.65 1.00311 0.00055
	9.20 1.00795 0.00052	8.70 1.00546 0.00056
		8.75 1.00837 0.00054
		8.80 1.01216 0.00055

1500	1700	1900
7.30 0.92802 0.00057	7.20 0.92447 0.00058	7.30 0.93467 0.00058
7.35 0.93238 0.00058	7.25 0.92913 0.00058	7.35 0.93989 0.00058
7.40 0.93484 0.00058	7.30 0.93337 0.00061	7.40 0.94247 0.00059
7.45 0.93912 0.00059	7.35 0.93713 0.00058	7.45 0.94808 0.00060
7.50 0.94318 0.00058	7.40 0.94213 0.00058	7.50 0.95134 0.00060
7.55 0.94754 0.00057	7.45 0.94614 0.00058	7.55 0.95506 0.00061
7.60 0.95165 0.00059	7.50 0.94995 0.00059	7.60 0.95992 0.00062
7.65 0.95518 0.00058	7.55 0.95385 0.00061	7.65 0.96305 0.00059
7.70 0.95788 0.00057	7.60 0.95715 0.00060	7.70 0.96798 0.00060
7.75 0.96255 0.00056	7.65 0.96115 0.00060	7.75 0.97116 0.00060
7.80 0.96680 0.00057	7.70 0.96573 0.00059	7.80 0.97498 0.00059
7.85 0.96888 0.00059	7.75 0.96899 0.00058	7.85 0.97922 0.00058
7.90 0.97396 0.00055	7.80 0.97351 0.00059	7.90 0.98288 0.00057
7.95 0.97810 0.00057	7.85 0.97632 0.00059	7.95 0.98617 0.00060
8.00 0.98153 0.00058	7.90 0.97908 0.00059	8.00 0.99022 0.00059
8.05 0.98472 0.00059	7.95 0.98472 0.00058	8.05 0.99367 0.00060
8.10 0.98620 0.00056	8.00 0.98813 0.00059	8.10 0.99781 0.00058
8.15 0.99187 0.00058	8.05 0.99082 0.00057	8.15 1.00072 0.00060
8.20 0.99489 0.00055	8.10 0.99493 0.00059	8.20 1.00529 0.00061
8.25 0.99846 0.00057	8.15 0.99860 0.00058	8.25 1.00836 0.00061
8.30 1.00282 0.00058	8.20 1.00101 0.00057	8.30 1.01161 0.00059
8.35 1.00545 0.00057	8.25 1.00519 0.00061	
8.40 1.00893 0.00060	8.30 1.00923 0.00058	
8.45 1.01231 0.00055		
8.50 1.01468 0.00057		

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2000	2100	2500
7.30 0.93527 0.00060	7.30 0.93460 0.00060	7.40 0.93714 0.00062
7.35 0.93955 0.00058	7.35 0.93884 0.00058	7.45 0.94066 0.00060
7.40 0.94376 0.00059	7.40 0.94289 0.00063	7.50 0.94498 0.00060
7.45 0.94800 0.00058	7.45 0.94664 0.00061	7.55 0.94878 0.00061
7.50 0.95200 0.00059	7.50 0.95202 0.00062	7.60 0.95377 0.00059
7.55 0.95648 0.00058	7.55 0.95521 0.00058	7.65 0.95783 0.00059
7.60 0.95978 0.00061	7.60 0.95991 0.00061	7.70 0.96159 0.00062
7.65 0.96397 0.00058	7.65 0.96256 0.00058	7.75 0.96485 0.00063
7.70 0.96728 0.00057	7.70 0.96764 0.00060	7.80 0.96772 0.00058
7.75 0.97272 0.00058	7.75 0.97238 0.00059	7.85 0.97242 0.00061
7.80 0.97483 0.00060	7.80 0.97562 0.00060	7.90 0.97585 0.00061
7.85 0.97976 0.00061	7.85 0.97887 0.00059	7.95 0.97973 0.00062
7.90 0.98388 0.00059	7.90 0.98205 0.00058	8.00 0.98404 0.00059
7.95 0.98621 0.00062	7.95 0.98697 0.00062	8.05 0.98741 0.00060
8.00 0.99109 0.00060	8.00 0.99012 0.00060	8.10 0.99160 0.00061
8.05 0.99337 0.00059	8.05 0.99410 0.00060	8.15 0.99324 0.00061
8.10 0.99833 0.00059	8.10 0.99720 0.00060	8.20 0.99852 0.00060
8.15 1.00150 0.00060	8.15 1.00140 0.00060	8.25 1.00127 0.00059
8.20 1.00457 0.00060	8.20 1.00419 0.00060	8.30 1.00421 0.00062
8.25 1.00873 0.00060	8.25 1.00769 0.00059	8.35 1.00891 0.00060
8.30 1.01075 0.00059	8.30 1.01195 0.00063	8.40 1.01182 0.00061

3000	4000	5000
7.60 0.93634 0.00060	8.20 0.93502 0.00060	9.00 0.92799 0.00058
7.65 0.94063 0.00059	8.25 0.93929 0.00059	9.10 0.93410 0.00057
7.70 0.94445 0.00063	8.30 0.94130 0.00063	9.20 0.93876 0.00056
7.75 0.95003 0.00062	8.35 0.94517 0.00060	9.30 0.94479 0.00056
7.80 0.95315 0.00061	8.40 0.94830 0.00060	9.40 0.95046 0.00057
7.85 0.95590 0.00060	8.45 0.95124 0.00061	9.50 0.95549 0.00058
7.90 0.96051 0.00059	8.50 0.95582 0.00060	9.60 0.96120 0.00056
7.95 0.96471 0.00060	8.55 0.95970 0.00059	9.70 0.96630 0.00055
8.00 0.96824 0.00061	8.60 0.96236 0.00059	9.80 0.97192 0.00059
8.05 0.97134 0.00062	8.65 0.96479 0.00061	9.90 0.97570 0.00058
8.10 0.97388 0.00062	8.70 0.96843 0.00060	10.00 0.98101 0.00056
8.15 0.97931 0.00062	8.75 0.97116 0.00059	10.10 0.98700 0.00059
8.20 0.98159 0.00059	8.80 0.97448 0.00060	10.20 0.98987 0.00056
8.25 0.98593 0.00061	8.85 0.97809 0.00057	10.30 0.99610 0.00058
8.30 0.98995 0.00059	8.90 0.98127 0.00059	10.40 0.99914 0.00060
8.35 0.99203 0.00059	8.95 0.98393 0.00060	10.50 1.00412 0.00059
8.40 0.99661 0.00063	9.00 0.98598 0.00060	10.60 1.00901 0.00058
8.45 0.99885 0.00062	9.05 0.99081 0.00058	10.70 1.01372 0.00060
8.50 1.00232 0.00063	9.10 0.99374 0.00063	10.80 1.01816 0.00058
8.55 1.00501 0.00062	9.15 0.99597 0.00060	10.90 1.02271 0.00059
8.60 1.00875 0.00058	9.20 0.99781 0.00059	11.00 1.02583 0.00058
	9.25 1.00042 0.00061	
	9.30 1.00411 0.00061	

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6000	7000	7500
10.40 0.93347 0.00056	12.40 0.93431 0.00054	14.00 0.93968 0.00051
10.60 0.94214 0.00055	12.50 0.93551 0.00051	14.20 0.94374 0.00050
10.80 0.94929 0.00057	12.60 0.94012 0.00054	14.40 0.94834 0.00052
11.00 0.95812 0.00058	12.70 0.94326 0.00053	14.60 0.95273 0.00050
11.20 0.96657 0.00055	12.80 0.94583 0.00051	14.80 0.95759 0.00053
11.40 0.97285 0.00055	12.90 0.94895 0.00053	15.00 0.96185 0.00051
11.60 0.98085 0.00056	13.00 0.95198 0.00051	15.20 0.96653 0.00050
11.80 0.98789 0.00057	13.10 0.95463 0.00053	15.40 0.96969 0.00046
12.00 0.99531 0.00054	13.20 0.95736 0.00053	15.60 0.97468 0.00049
12.20 1.00190 0.00056	13.40 0.96305 0.00054	15.80 0.97754 0.00051
12.40 1.00893 0.00055	13.50 0.96495 0.00053	16.00 0.98075 0.00050
12.80 1.02126 0.00054	13.60 0.96850 0.00051	16.20 0.98527 0.00048
13.00 1.02603 0.00056	13.70 0.97049 0.00053	16.40 0.98838 0.00051
13.20 1.03236 0.00054	13.80 0.97444 0.00051	16.60 0.99255 0.00048
13.40 1.03860 0.00057	13.90 0.97612 0.00053	16.80 0.99605 0.00050
13.60 1.04404 0.00057	14.00 0.97862 0.00053	17.00 0.99909 0.00052
	14.10 0.98104 0.00052	17.20 1.00221 0.00049
	14.30 0.98675 0.00052	17.40 1.00573 0.00048
	14.40 0.98856 0.00052	17.60 1.00724 0.00050
	14.50 0.99025 0.00054	17.80 1.01209 0.00049
	14.60 0.99253 0.00052	18.00 1.01428 0.00049
	14.70 0.99462 0.00052	
	14.80 0.99778 0.00052	
	15.00 1.00233 0.00050	
	15.10 1.00363 0.00050	
	15.20 1.00620 0.00053	
8000	9000	10000
16.00 0.93974 0.00048	22.00 0.93126 0.00045	999.98 0.96763 0.00034
16.20 0.94430 0.00045	23.00 0.94034 0.00043	999.99 0.96763 0.00034
16.40 0.94717 0.00048	24.00 0.94816 0.00044	
16.60 0.95109 0.00046	25.00 0.95521 0.00042	
16.80 0.95424 0.00049	26.00 0.96119 0.00044	
17.00 0.95728 0.00049	27.00 0.96717 0.00043	
17.20 0.96108 0.00049	28.00 0.97175 0.00041	
17.40 0.96417 0.00047	29.00 0.97659 0.00041	
17.60 0.96746 0.00048	30.00 0.98152 0.00041	
17.80 0.96966 0.00047	31.00 0.98399 0.00041	
18.00 0.97163 0.00048	32.00 0.98882 0.00041	
18.20 0.97638 0.00048	33.00 0.99209 0.00042	
18.40 0.97844 0.00048	34.00 0.99456 0.00041	
18.60 0.97996 0.00046	35.00 0.99732 0.00040	
18.80 0.98451 0.00049	36.00 1.00078 0.00040	
19.00 0.98702 0.00046	37.00 1.00327 0.00042	
19.20 0.98846 0.00048	38.00 1.00532 0.00041	
19.40 0.99117 0.00047	39.00 1.00759 0.00040	
19.60 0.99245 0.00048	40.00 1.00961 0.00042	
19.80 0.99525 0.00048		
20.00 0.99760 0.00048		
20.20 0.99976 0.00045		
20.40 1.00249 0.00049		
20.60 1.00416 0.00048		
20.80 1.00662 0.00048		
21.00 1.00763 0.00048		
15000	18900	
999.98 0.84164 0.00027	999.98 0.84226 0.00026	
999.99 0.84164 0.00027	999.99 0.84226 0.00026	

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sumtable.u5o2-pl-0050-01								
		20		25		30		
999.98	0.13061	0.00003	999.98	0.16029	0.00004	999.98	0.18898	0.00005
999.99	0.13061	0.00003	999.99	0.16029	0.00004	999.99	0.18898	0.00005
		40		45		50		
999.98	0.24336	0.00006	999.98	0.26913	0.00007	999.98	0.29416	0.00007
999.99	0.24336	0.00006	999.99	0.26913	0.00007	999.99	0.29416	0.00007
		55		60		65		
999.98	0.31838	0.00007	999.98	0.34172	0.00008	999.98	0.36446	0.00008
999.99	0.31838	0.00007	999.99	0.34172	0.00008	999.99	0.36446	0.00008
		70		80		100		
999.98	0.38629	0.00009	999.98	0.42848	0.00010	999.98	0.50527	0.00010
999.99	0.38629	0.00009	999.99	0.42848	0.00010	999.99	0.50527	0.00010
		130		150		170		
999.98	0.60544	0.00013	999.98	0.66419	0.00014	999.98	0.71704	0.00014
999.99	0.60544	0.00013	999.99	0.66419	0.00014	999.99	0.71704	0.00014
		200		350		400		
999.98	0.78767	0.00016	18.00	0.93822	0.00029	13.50	0.93776	0.00035
999.99	0.78767	0.00016	19.00	0.94599	0.00029	13.75	0.94207	0.00035
			20.00	0.95256	0.00029	14.00	0.94540	0.00033
			21.00	0.95860	0.00029	14.25	0.95056	0.00034
			22.00	0.96448	0.00029	14.50	0.95257	0.00032
			23.00	0.96856	0.00028	14.75	0.95563	0.00034
			24.00	0.97304	0.00028	15.00	0.95890	0.00034
			25.00	0.97681	0.00027	15.25	0.96240	0.00032
			26.00	0.98064	0.00027	15.50	0.96499	0.00033
			27.00	0.98430	0.00026	15.75	0.96873	0.00032
			28.00	0.98576	0.00027	16.00	0.97100	0.00034
			29.00	0.98876	0.00026	16.25	0.97295	0.00033
			30.00	0.99122	0.00026	16.50	0.97659	0.00033
			31.00	0.99316	0.00025	16.75	0.97837	0.00033
			32.00	0.99548	0.00026	17.00	0.98068	0.00032
			33.00	0.99768	0.00026	17.25	0.98379	0.00032
			34.00	0.99955	0.00024	17.50	0.98538	0.00032
			35.00	1.00067	0.00025	17.75	0.98809	0.00030
			36.00	1.00184	0.00025	18.00	0.98987	0.00031
						18.25	0.99249	0.00032
						18.50	0.99425	0.00032
						18.75	0.99520	0.00033
						19.00	0.99772	0.00031
						19.25	0.99932	0.00031
						19.50	1.00098	0.00031
						19.75	1.00263	0.00031
						20.00	1.00504	0.00031

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500	650	800
10.00 0.93702 0.00039	8.00 0.93689 0.00046	7.00 0.93325 0.00048
10.10 0.93968 0.00039	8.05 0.93931 0.00044	7.10 0.93864 0.00052
10.20 0.94270 0.00041	8.10 0.94139 0.00046	7.20 0.94410 0.00049
10.30 0.94636 0.00040	8.15 0.94278 0.00046	7.30 0.94982 0.00047
10.40 0.94772 0.00040	8.20 0.94579 0.00046	7.40 0.95453 0.00049
10.50 0.95075 0.00039	8.25 0.94854 0.00045	7.50 0.96147 0.00050
10.60 0.95481 0.00038	8.30 0.95146 0.00045	7.60 0.96549 0.00051
10.70 0.95709 0.00040	8.35 0.95319 0.00045	7.70 0.97145 0.00049
10.80 0.95946 0.00040	8.40 0.95535 0.00045	7.80 0.97536 0.00049
10.90 0.96198 0.00040	8.45 0.95639 0.00044	7.90 0.98081 0.00048
11.00 0.96433 0.00038	8.50 0.95864 0.00045	8.00 0.98574 0.00048
11.10 0.96643 0.00039	8.55 0.96052 0.00045	8.10 0.99082 0.00045
11.20 0.96970 0.00039	8.60 0.96296 0.00046	8.20 0.99456 0.00049
11.30 0.97185 0.00040	8.65 0.96454 0.00046	8.30 1.00026 0.00049
11.40 0.97474 0.00038	8.70 0.96676 0.00043	8.40 1.00450 0.00050
11.50 0.97692 0.00039	8.75 0.96905 0.00045	8.50 1.00841 0.00046
11.60 0.97876 0.00038	8.80 0.97130 0.00043	8.60 1.01247 0.00048
11.70 0.98058 0.00038	8.85 0.97379 0.00044	8.70 1.01748 0.00048
11.80 0.98295 0.00039	8.90 0.97541 0.00046	8.80 1.02046 0.00047
11.90 0.98539 0.00039	8.95 0.97644 0.00044	8.90 1.02599 0.00045
12.00 0.98779 0.00039	9.00 0.97965 0.00045	9.00 1.02911 0.00048
12.10 0.98958 0.00038	9.05 0.98031 0.00044	9.10 1.03313 0.00047
12.20 0.99187 0.00038	9.10 0.98208 0.00044	9.20 1.03718 0.00047
12.30 0.99396 0.00039	9.15 0.98496 0.00044	
12.40 0.99597 0.00038	9.20 0.98692 0.00044	
12.50 0.99711 0.00037	9.25 0.98812 0.00044	
12.60 0.99916 0.00037	9.30 0.98954 0.00043	
12.70 1.00039 0.00038	9.35 0.99090 0.00045	
12.80 1.00281 0.00038	9.40 0.99339 0.00044	
12.90 1.00529 0.00037	9.45 0.99571 0.00044	
13.00 1.00713 0.00037	9.50 0.99690 0.00044	
	9.55 0.99943 0.00042	
	9.60 1.00082 0.00045	
	9.65 1.00215 0.00043	
	9.70 1.00313 0.00043	
	9.75 1.00537 0.00045	
	9.80 1.00640 0.00042	

900	1000	1200
6.50 0.92416 0.00050	6.40 0.93511 0.00053	6.00 0.93289 0.00055
6.55 0.92785 0.00051	6.45 0.93886 0.00052	6.05 0.93687 0.00055
6.60 0.93113 0.00050	6.50 0.94269 0.00054	6.10 0.94123 0.00056
6.65 0.93393 0.00051	6.55 0.94559 0.00053	6.15 0.94516 0.00053
6.70 0.93814 0.00048	6.60 0.94962 0.00051	6.20 0.94741 0.00056
6.75 0.94077 0.00051	6.65 0.95301 0.00052	6.25 0.95151 0.00055
6.80 0.94450 0.00051	6.70 0.95623 0.00053	6.30 0.95538 0.00054
6.85 0.94850 0.00050	6.75 0.95963 0.00051	6.35 0.95793 0.00054
6.90 0.95014 0.00049	6.80 0.96196 0.00053	6.40 0.96290 0.00055
6.95 0.95360 0.00053	6.85 0.96530 0.00052	6.45 0.96667 0.00053
7.00 0.95581 0.00051	6.90 0.96896 0.00052	6.50 0.96920 0.00054
7.05 0.95921 0.00049	6.95 0.97175 0.00051	6.55 0.97167 0.00055
7.10 0.96216 0.00050	7.00 0.97468 0.00053	6.60 0.97630 0.00055
7.15 0.96440 0.00049	7.05 0.97790 0.00052	6.65 0.97906 0.00054
7.20 0.96655 0.00050	7.10 0.97997 0.00052	6.70 0.98284 0.00055
7.25 0.97066 0.00050	7.15 0.98410 0.00051	6.75 0.98567 0.00052
7.30 0.97435 0.00051	7.20 0.98617 0.00052	6.80 0.98951 0.00056
7.35 0.97634 0.00051	7.25 0.98998 0.00052	6.85 0.99143 0.00053

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7.40	0.97874	0.00049	7.30	0.99239	0.00050	6.90	0.99561	0.00052
7.45	0.98116	0.00052	7.35	0.99479	0.00050	6.95	0.99768	0.00054
7.50	0.98486	0.00049	7.40	0.99853	0.00052	7.00	1.00207	0.00053
7.55	0.98641	0.00049	7.45	1.00039	0.00051	7.05	1.00599	0.00055
7.60	0.98888	0.00049	7.50	1.00436	0.00051	7.10	1.00790	0.00054
7.65	0.99249	0.00052	7.55	1.00648	0.00054	7.15	1.01008	0.00054
7.70	0.99562	0.00049	7.60	1.00840	0.00052	7.20	1.01302	0.00054
7.75	0.99749	0.00050				7.25	1.01707	0.00054
7.80	0.99991	0.00052				7.30	1.01958	0.00054
7.85	1.00255	0.00049						
7.90	1.00544	0.00050						
7.95	1.00762	0.00049						
8.00	1.01024	0.00048						

1500	1700	1900						
5.80	0.93900	0.00055	5.70	0.93850	0.00059	5.60	0.93429	0.00058
5.85	0.94331	0.00056	5.75	0.94133	0.00056	5.65	0.93733	0.00058
5.90	0.94759	0.00056	5.80	0.94592	0.00056	5.70	0.94237	0.00056
5.95	0.95116	0.00056	5.85	0.95017	0.00057	5.75	0.94694	0.00059
6.00	0.95535	0.00057	5.90	0.95484	0.00056	5.80	0.95130	0.00056
6.05	0.95919	0.00058	5.95	0.95896	0.00056	5.85	0.95557	0.00056
6.10	0.96281	0.00056	6.00	0.96228	0.00055	5.90	0.95854	0.00057
6.15	0.96566	0.00055	6.05	0.96636	0.00055	5.95	0.96182	0.00057
6.20	0.96907	0.00058	6.10	0.97070	0.00055	6.00	0.96577	0.00055
6.25	0.97360	0.00056	6.15	0.97429	0.00058	6.05	0.97030	0.00057
6.30	0.97728	0.00055	6.20	0.97838	0.00058	6.10	0.97339	0.00055
6.35	0.98144	0.00057	6.25	0.98146	0.00055	6.15	0.97803	0.00056
6.40	0.98445	0.00054	6.30	0.98449	0.00060	6.20	0.98196	0.00057
6.45	0.98882	0.00058	6.35	0.98870	0.00058	6.25	0.98519	0.00058
6.50	0.99098	0.00057	6.40	0.99118	0.00056	6.30	0.98945	0.00059
6.55	0.99401	0.00056	6.45	0.99597	0.00058	6.35	0.99298	0.00058
6.60	0.99898	0.00056	6.50	1.00017	0.00057	6.40	0.99656	0.00060
6.65	1.00236	0.00055	6.55	1.00296	0.00055	6.45	1.00035	0.00058
6.70	1.00526	0.00060	6.60	1.00632	0.00058	6.50	1.00231	0.00057
						6.55	1.00634	0.00059
						6.60	1.01104	0.00057

2000	2100	2500						
5.60	0.93477	0.00057	5.60	0.93376	0.00058	5.70	0.93984	0.00059
5.65	0.93903	0.00057	5.65	0.93969	0.00059	5.75	0.94331	0.00061
5.70	0.94335	0.00059	5.70	0.94345	0.00059	5.80	0.94628	0.00059
5.75	0.94781	0.00059	5.75	0.94771	0.00058	5.85	0.95144	0.00060
5.80	0.95046	0.00058	5.80	0.95143	0.00059	5.90	0.95507	0.00060
5.85	0.95607	0.00058	5.85	0.95537	0.00059	5.95	0.95949	0.00060
5.90	0.95958	0.00057	5.90	0.95972	0.00057	6.00	0.96350	0.00060
5.95	0.96306	0.00058	5.95	0.96384	0.00057	6.05	0.96634	0.00056
6.00	0.96785	0.00060	6.00	0.96770	0.00058	6.10	0.97074	0.00056
6.05	0.97228	0.00061	6.05	0.97130	0.00057	6.15	0.97428	0.00058
6.10	0.97431	0.00057	6.10	0.97486	0.00058	6.20	0.97740	0.00058
6.15	0.97907	0.00057	6.15	0.97918	0.00055	6.25	0.98287	0.00059
6.20	0.98334	0.00060	6.20	0.98237	0.00058	6.30	0.98567	0.00059
6.25	0.98555	0.00058	6.25	0.98710	0.00055	6.35	0.98860	0.00058
6.35	0.99270	0.00056	6.30	0.98973	0.00059	6.40	0.99272	0.00059
6.40	0.99675	0.00056	6.35	0.99355	0.00058	6.45	0.99664	0.00060
6.45	1.00000	0.00057	6.40	0.99784	0.00057	6.50	1.00035	0.00058
6.50	1.00420	0.00058	6.45	1.00102	0.00060			
6.55	1.00756	0.00061	6.50	1.00385	0.00059			
6.60	1.01079	0.00056						

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3000	4000	5000
5.70 0.92634 0.00058	6.40 0.93860 0.00060	7.20 0.93482 0.00059
5.75 0.92933 0.00060	6.45 0.94217 0.00058	7.25 0.93813 0.00058
5.80 0.93521 0.00057	6.50 0.94538 0.00059	7.30 0.94093 0.00057
5.85 0.93797 0.00058	6.55 0.94834 0.00059	7.35 0.94352 0.00060
5.90 0.94310 0.00060	6.60 0.95106 0.00059	7.40 0.94669 0.00058
5.95 0.94616 0.00062	6.65 0.95436 0.00060	7.45 0.94930 0.00060
6.00 0.94996 0.00057	6.70 0.95737 0.00057	7.50 0.95033 0.00059
6.05 0.95281 0.00060	6.75 0.96178 0.00058	7.55 0.95465 0.00060
6.10 0.95646 0.00058	6.80 0.96458 0.00061	7.60 0.95597 0.00059
6.15 0.96046 0.00059	6.85 0.96764 0.00059	7.65 0.96031 0.00056
6.20 0.96402 0.00058	6.90 0.97038 0.00059	7.70 0.96169 0.00058
6.25 0.96849 0.00060	6.95 0.97340 0.00059	7.75 0.96500 0.00055
6.30 0.97220 0.00061	7.00 0.97657 0.00058	7.80 0.96773 0.00059
6.35 0.97621 0.00058	7.05 0.97957 0.00063	7.85 0.97028 0.00057
6.40 0.97812 0.00059	7.10 0.98269 0.00059	7.90 0.97299 0.00060
6.45 0.98265 0.00058	7.15 0.98492 0.00060	7.95 0.97526 0.00057
6.50 0.98614 0.00059	7.20 0.98840 0.00058	8.00 0.97670 0.00058
6.55 0.98928 0.00060	7.25 0.99223 0.00059	8.05 0.97999 0.00057
6.60 0.99305 0.00058	7.30 0.99420 0.00056	8.10 0.98217 0.00058
6.65 0.99626 0.00060	7.35 0.99682 0.00058	8.15 0.98342 0.00057
6.70 0.99883 0.00058	7.40 1.00089 0.00060	8.20 0.98694 0.00057
6.75 1.00349 0.00058	7.45 1.00284 0.00059	8.25 0.98930 0.00058
6.80 1.00571 0.00059	7.50 1.00633 0.00060	8.30 0.99255 0.00059
		8.35 0.99341 0.00058
		8.40 0.99549 0.00056
		8.45 0.99837 0.00058
		8.50 1.00024 0.00059
		8.55 1.00233 0.00059
		8.60 1.00458 0.00057

6000	7000	7500
8.50 0.93845 0.00055	10.40 0.93811 0.00051	11.00 0.91840 0.00053
8.60 0.94161 0.00056	10.50 0.94047 0.00053	11.20 0.92263 0.00052
8.70 0.94604 0.00057	10.60 0.94427 0.00053	11.40 0.92849 0.00050
8.80 0.95079 0.00053	10.70 0.94665 0.00053	11.60 0.93268 0.00051
8.90 0.95498 0.00056	10.80 0.94939 0.00052	11.80 0.93790 0.00052
9.00 0.95816 0.00056	10.90 0.95205 0.00052	12.00 0.94339 0.00049
9.10 0.96185 0.00056	11.00 0.95580 0.00055	12.20 0.94689 0.00048
9.20 0.96675 0.00054	11.10 0.95766 0.00053	12.40 0.95188 0.00051
9.30 0.96993 0.00058	11.20 0.96025 0.00053	12.60 0.95733 0.00053
9.40 0.97461 0.00058	11.30 0.96335 0.00052	12.80 0.96075 0.00050
9.50 0.97857 0.00054	11.40 0.96706 0.00053	13.00 0.96516 0.00052
9.60 0.98076 0.00060	11.50 0.96829 0.00051	13.20 0.96855 0.00052
9.70 0.98457 0.00056	11.60 0.97112 0.00054	13.40 0.97367 0.00050
9.80 0.98903 0.00056	11.70 0.97387 0.00053	13.60 0.97718 0.00052
9.90 0.99263 0.00056	11.80 0.97606 0.00051	13.80 0.98003 0.00051
10.00 0.99589 0.00058	11.90 0.97927 0.00050	14.00 0.98367 0.00050
10.10 0.99824 0.00055	12.00 0.98116 0.00053	14.20 0.98816 0.00050
10.20 1.00235 0.00055	12.10 0.98401 0.00054	14.40 0.99194 0.00051
10.30 1.00443 0.00056	12.20 0.98592 0.00052	14.60 0.99479 0.00051
10.40 1.00764 0.00056	12.30 0.98790 0.00052	14.80 0.99845 0.00049
10.50 1.01147 0.00053	12.40 0.99107 0.00052	15.00 1.00159 0.00050
	12.50 0.99352 0.00053	15.20 1.00499 0.00050
	12.60 0.99365 0.00051	15.40 1.00763 0.00050
	12.70 0.99712 0.00055	
	12.80 0.99997 0.00054	
	12.90 1.00265 0.00052	
	13.00 1.00334 0.00053	
	13.10 1.00570 0.00053	
	13.20 1.00865 0.00053	

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8000	9000	10000
13.60 0.93778 0.00049	20.00 0.93533 0.00044	999.98 0.96763 0.00034
13.80 0.94086 0.00051	20.50 0.93966 0.00044	999.99 0.96763 0.00034
14.00 0.94464 0.00048	21.00 0.94415 0.00042	
14.20 0.94846 0.00051	21.50 0.94778 0.00043	
14.40 0.95096 0.00051	22.00 0.95095 0.00044	
14.60 0.95448 0.00052	22.50 0.95400 0.00043	
14.80 0.95770 0.00049	23.00 0.95721 0.00043	
15.00 0.96197 0.00049	23.50 0.96063 0.00044	
15.20 0.96438 0.00049	24.00 0.96323 0.00044	
15.40 0.96738 0.00046	24.50 0.96619 0.00043	
15.60 0.97188 0.00049	25.00 0.96941 0.00043	
15.80 0.97333 0.00050	25.50 0.97160 0.00042	
16.00 0.97643 0.00048	26.00 0.97515 0.00044	
16.20 0.97895 0.00048	26.50 0.97623 0.00041	
16.40 0.98174 0.00048	27.00 0.97902 0.00041	
16.60 0.98338 0.00049	27.50 0.98073 0.00041	
16.80 0.98649 0.00050	28.00 0.98334 0.00042	
17.00 0.99010 0.00049	28.50 0.98477 0.00042	
17.20 0.99125 0.00048	29.00 0.98633 0.00043	
17.40 0.99406 0.00050	29.50 0.98862 0.00039	
17.60 0.99674 0.00047	30.00 0.99080 0.00042	
17.80 0.99826 0.00048	30.50 0.99127 0.00043	
18.00 1.00082 0.00046	31.00 0.99275 0.00042	
18.20 1.00207 0.00049	31.50 0.99462 0.00043	
18.40 1.00444 0.00048	32.00 0.99642 0.00041	
	32.50 0.99750 0.00042	
	33.00 0.99854 0.00042	
	33.50 1.00052 0.00041	
	34.00 1.00095 0.00043	
	34.50 1.00248 0.00043	
	35.00 1.00398 0.00043	

15000	18900
999.98 0.84164 0.00027	999.98 0.84226 0.00026
999.99 0.84164 0.00027	999.99 0.84226 0.00026

sumtable.u5o2-pl-0050-10		
20	25	30
999.98 0.13061 0.00003	999.98 0.16029 0.00004	999.98 0.18898 0.00005
999.99 0.13061 0.00003	999.99 0.16029 0.00004	999.99 0.18898 0.00005
40	45	50
999.98 0.24336 0.00006	999.98 0.26913 0.00007	999.98 0.29416 0.00007
999.99 0.24336 0.00006	999.99 0.26913 0.00007	999.99 0.29416 0.00007
55	60	65
999.98 0.31838 0.00007	999.98 0.34172 0.00008	999.98 0.36446 0.00008
999.99 0.31838 0.00007	999.99 0.34172 0.00008	999.99 0.36446 0.00008

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70	80	100
999.98 0.38629 0.00009	999.98 0.42848 0.00010	999.98 0.50527 0.00010
999.99 0.38629 0.00009	999.99 0.42848 0.00010	999.99 0.50527 0.00010
130	150	170
999.98 0.60544 0.00013	999.98 0.66419 0.00014	999.98 0.71704 0.00014
999.99 0.60544 0.00013	999.99 0.66419 0.00014	999.99 0.71704 0.00014
200	350	400
999.98 0.78767 0.00016	15.00 0.92172 0.00030	10.00 0.89444 0.00034
999.99 0.78767 0.00016	16.00 0.93236 0.00030	10.50 0.90551 0.00034
	17.00 0.93987 0.00028	11.00 0.91507 0.00033
	18.00 0.94741 0.00029	11.50 0.92487 0.00034
	19.00 0.95410 0.00029	12.00 0.93293 0.00034
	20.00 0.95948 0.00028	12.50 0.94141 0.00034
	21.00 0.96508 0.00027	13.00 0.94835 0.00033
	22.00 0.96975 0.00028	13.50 0.95436 0.00033
	23.00 0.97345 0.00028	14.00 0.96195 0.00032
	24.00 0.97816 0.00026	14.50 0.96752 0.00032
	25.00 0.98107 0.00028	15.00 0.97257 0.00032
	26.00 0.98404 0.00027	15.50 0.97808 0.00031
	27.00 0.98681 0.00026	16.00 0.98295 0.00031
	28.00 0.98880 0.00025	16.50 0.98757 0.00031
	29.00 0.99150 0.00025	17.00 0.99080 0.00031
	30.00 0.99414 0.00026	17.50 0.99583 0.00031
	31.00 0.99617 0.00025	18.00 0.99933 0.00029
	32.00 0.99768 0.00026	18.50 1.00298 0.00030
	33.00 0.99948 0.00025	19.00 1.00596 0.00030
	34.00 1.00078 0.00025	19.50 1.00990 0.00030
	35.00 1.00250 0.00025	20.00 1.01184 0.00029
		20.50 1.01513 0.00029
		21.00 1.01726 0.00030
		21.50 1.02028 0.00030
		22.00 1.02272 0.00028
		22.50 1.02452 0.00029
		23.00 1.02682 0.00028
		23.50 1.02875 0.00027
		24.00 1.03032 0.00028
		24.50 1.03245 0.00028
		25.00 1.03369 0.00028
		25.50 1.03593 0.00027
		26.00 1.03720 0.00027
		26.50 1.03871 0.00027
		27.00 1.03942 0.00027

500	650	800
8.00 0.91159 0.00038	6.60 0.92977 0.00043	5.80 0.93740 0.00047
8.20 0.91845 0.00038	6.70 0.93531 0.00045	5.85 0.94059 0.00044
8.40 0.92565 0.00039	6.80 0.93946 0.00043	5.90 0.94436 0.00046
8.60 0.93156 0.00037	6.90 0.94394 0.00043	5.95 0.94699 0.00044
8.80 0.93709 0.00038	7.00 0.94805 0.00043	6.00 0.95004 0.00046
9.00 0.94378 0.00037	7.10 0.95399 0.00042	6.05 0.95188 0.00046
9.20 0.94893 0.00039	7.20 0.95745 0.00042	6.10 0.95493 0.00043
9.40 0.95449 0.00039	7.30 0.96201 0.00042	6.15 0.95744 0.00044
9.60 0.96041 0.00039	7.40 0.96574 0.00041	6.20 0.95982 0.00047
9.80 0.96487 0.00037	7.50 0.96949 0.00042	6.25 0.96256 0.00047
10.00 0.97000 0.00038	7.60 0.97337 0.00042	6.30 0.96514 0.00046
10.20 0.97500 0.00037	7.70 0.97761 0.00043	6.35 0.96842 0.00045

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10.40	0.97889	0.00037	7.80	0.98146	0.00043	6.40	0.97146	0.00047
10.60	0.98358	0.00037	7.90	0.98576	0.00043	6.45	0.97433	0.00046
10.80	0.98762	0.00038	8.00	0.98841	0.00042	6.50	0.97528	0.00046
11.00	0.99238	0.00035	8.10	0.99251	0.00041	6.55	0.97798	0.00045
11.20	0.99608	0.00037	8.20	0.99553	0.00042	6.60	0.98106	0.00045
11.40	1.00023	0.00036	8.30	0.99982	0.00042	6.65	0.98355	0.00044
11.60	1.00393	0.00036	8.40	1.00322	0.00041	6.70	0.98680	0.00046
11.80	1.00800	0.00036	8.50	1.00600	0.00041	6.75	0.98931	0.00045
12.00	1.01118	0.00036	8.60	1.00934	0.00042	6.80	0.99129	0.00044
						6.85	0.99371	0.00045
						6.90	0.99525	0.00046
						6.95	0.99775	0.00046
						7.00	1.00070	0.00044
						7.05	1.00262	0.00045
						7.10	1.00437	0.00043
						7.15	1.00636	0.00045
						7.20	1.00894	0.00046

900	1000	1200						
5.40	0.93759	0.00047	5.10	0.93873	0.00049	4.70	0.93926	0.00050
5.45	0.94047	0.00047	5.15	0.94154	0.00048	4.75	0.94288	0.00049
5.50	0.94400	0.00047	5.20	0.94535	0.00048	4.80	0.94693	0.00050
5.55	0.94824	0.00048	5.25	0.94915	0.00049	4.85	0.95117	0.00051
5.60	0.95080	0.00048	5.30	0.95242	0.00049	4.90	0.95408	0.00050
5.65	0.95398	0.00048	5.35	0.95478	0.00049	4.95	0.95785	0.00050
5.70	0.95693	0.00047	5.40	0.95918	0.00050	5.00	0.96202	0.00051
5.75	0.96002	0.00046	5.45	0.96127	0.00049	5.05	0.96447	0.00050
5.80	0.96332	0.00047	5.50	0.96557	0.00047	5.10	0.96749	0.00052
5.85	0.96630	0.00048	5.55	0.96805	0.00048	5.15	0.97202	0.00049
5.90	0.96970	0.00047	5.60	0.97107	0.00048	5.20	0.97655	0.00049
5.95	0.97242	0.00046	5.65	0.97508	0.00048	5.25	0.97847	0.00049
6.00	0.97443	0.00047	5.70	0.97782	0.00046	5.30	0.98263	0.00052
6.05	0.97749	0.00046	5.75	0.98025	0.00050	5.35	0.98517	0.00051
6.10	0.98048	0.00048	5.80	0.98377	0.00049	5.40	0.99057	0.00049
6.15	0.98271	0.00047	5.85	0.98729	0.00047	5.45	0.99173	0.00050
6.20	0.98638	0.00049	5.90	0.98977	0.00050	5.50	0.99497	0.00052
6.25	0.98884	0.00046	5.95	0.99232	0.00050	5.55	0.99799	0.00051
6.30	0.99192	0.00047	6.00	0.99551	0.00049	5.60	1.00155	0.00049
6.35	0.99417	0.00046	6.05	0.99874	0.00048	5.65	1.00430	0.00049
6.40	0.99632	0.00047	6.10	1.00089	0.00049	5.70	1.00800	0.00050
6.45	0.99963	0.00047	6.15	1.00376	0.00047			
6.50	1.00059	0.00046	6.20	1.00677	0.00046			
6.55	1.00447	0.00048						
6.60	1.00607	0.00046						
6.65	1.00897	0.00046						
6.70	1.01212	0.00046						
6.75	1.01386	0.00047						
6.80	1.01571	0.00047						

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1500	1700	1900
4.30 0.93438 0.00051	4.20 0.93956 0.00054	4.10 0.93740 0.00052
4.35 0.93907 0.00051	4.25 0.94326 0.00054	4.15 0.94161 0.00054
4.40 0.94438 0.00050	4.30 0.94728 0.00052	4.20 0.94630 0.00053
4.45 0.94892 0.00052	4.35 0.95150 0.00052	4.25 0.95163 0.00053
4.50 0.95135 0.00052	4.40 0.95573 0.00053	4.30 0.95534 0.00054
4.55 0.95541 0.00052	4.45 0.95869 0.00052	4.35 0.95938 0.00052
4.60 0.95911 0.00053	4.50 0.96334 0.00053	4.40 0.96331 0.00055
4.65 0.96395 0.00053	4.55 0.96726 0.00052	4.45 0.96687 0.00053
4.70 0.96726 0.00050	4.60 0.96942 0.00052	4.50 0.97059 0.00053
4.75 0.97021 0.00052	4.65 0.97517 0.00054	4.55 0.97480 0.00053
4.80 0.97490 0.00052	4.70 0.97826 0.00053	4.60 0.97905 0.00054
4.85 0.97858 0.00051	4.75 0.98231 0.00055	4.65 0.98125 0.00056
4.90 0.98223 0.00051	4.80 0.98663 0.00053	4.70 0.98691 0.00054
4.95 0.98657 0.00052	4.85 0.99003 0.00053	4.75 0.99041 0.00054
5.00 0.99005 0.00053	4.90 0.99325 0.00052	4.80 0.99364 0.00055
5.05 0.99405 0.00052	4.95 0.99769 0.00054	4.85 0.99726 0.00053
5.10 0.99651 0.00053	5.00 1.00031 0.00053	4.90 1.00091 0.00053
5.15 1.00026 0.00051	5.05 1.00377 0.00051	4.95 1.00442 0.00053
5.20 1.00349 0.00052	5.10 1.00811 0.00053	5.00 1.00794 0.00056

2000	2100	2500
4.00 0.93230 0.00054	4.00 0.93477 0.00054	4.00 0.93822 0.00055
4.05 0.93739 0.00053	4.05 0.93870 0.00054	4.05 0.94279 0.00054
4.10 0.94115 0.00056	4.10 0.94293 0.00053	4.10 0.94697 0.00055
4.15 0.94548 0.00056	4.15 0.94702 0.00053	4.15 0.95131 0.00053
4.20 0.94922 0.00054	4.20 0.95165 0.00056	4.20 0.95512 0.00055
4.25 0.95351 0.00055	4.25 0.95574 0.00055	4.25 0.95984 0.00057
4.30 0.95797 0.00053	4.30 0.95994 0.00053	4.30 0.96283 0.00056
4.35 0.96255 0.00053	4.35 0.96349 0.00053	4.35 0.96670 0.00053
4.40 0.96612 0.00054	4.40 0.96852 0.00054	4.40 0.96989 0.00057
4.45 0.96944 0.00054	4.45 0.97135 0.00054	4.45 0.97486 0.00056
4.50 0.97343 0.00051	4.50 0.97560 0.00055	4.50 0.98019 0.00055
4.55 0.97776 0.00053	4.55 0.97929 0.00055	4.55 0.98252 0.00055
4.60 0.98103 0.00056	4.60 0.98285 0.00054	4.60 0.98590 0.00054
4.65 0.98452 0.00054	4.65 0.98751 0.00054	4.65 0.98965 0.00056
4.70 0.98870 0.00052	4.70 0.99075 0.00055	4.70 0.99242 0.00052
4.75 0.99260 0.00054	4.75 0.99349 0.00054	4.75 0.99710 0.00054
4.80 0.99589 0.00052	4.80 0.99728 0.00055	4.80 1.00066 0.00055
4.85 0.99922 0.00053	4.85 1.00062 0.00055	4.85 1.00421 0.00056
4.90 1.00429 0.00053	4.90 1.00443 0.00055	4.90 1.00598 0.00057
4.95 1.00666 0.00055	4.95 1.00743 0.00054	
5.00 1.01048 0.00054	5.00 1.01240 0.00055	

3000	4000	5000
4.00 0.93607 0.00055	4.30 0.93726 0.00054	4.80 0.93425 0.00055
4.05 0.93959 0.00054	4.35 0.93952 0.00054	4.85 0.93775 0.00056
4.10 0.94360 0.00054	4.40 0.94252 0.00055	4.90 0.94061 0.00053
4.15 0.94787 0.00057	4.45 0.94781 0.00054	4.95 0.94398 0.00055
4.20 0.95109 0.00054	4.50 0.95005 0.00055	5.00 0.94626 0.00054
4.25 0.95491 0.00054	4.55 0.95400 0.00056	5.05 0.94788 0.00053
4.30 0.95872 0.00056	4.60 0.95567 0.00055	5.10 0.95168 0.00054
4.35 0.96229 0.00055	4.65 0.96052 0.00055	5.15 0.95604 0.00054

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4.40	0.96524	0.00056	4.70	0.96363	0.00057	5.20	0.95674	0.00054
4.45	0.97018	0.00054	4.75	0.96690	0.00056	5.25	0.95998	0.00053
4.50	0.97326	0.00056	4.80	0.96980	0.00055	5.30	0.96254	0.00055
4.55	0.97723	0.00054	4.85	0.97356	0.00056	5.35	0.96561	0.00055
4.60	0.98061	0.00055	4.90	0.97652	0.00057	5.40	0.96648	0.00056
4.65	0.98506	0.00056	4.95	0.98037	0.00054	5.45	0.97061	0.00054
4.70	0.98780	0.00054	5.00	0.98252	0.00057	5.50	0.97262	0.00054
4.75	0.99140	0.00055	5.05	0.98458	0.00056	5.55	0.97446	0.00056
4.80	0.99467	0.00054	5.10	0.98763	0.00056	5.60	0.97695	0.00055
4.85	0.99817	0.00055	5.15	0.99057	0.00056	5.65	0.98032	0.00054
4.90	1.00196	0.00055	5.20	0.99378	0.00057	5.70	0.98171	0.00055
4.95	1.00505	0.00055	5.25	0.99688	0.00053	5.75	0.98419	0.00055
5.00	1.00778	0.00056	5.30	1.00035	0.00056	5.80	0.98672	0.00054
			5.35	1.00205	0.00056	5.85	0.98943	0.00054
			5.40	1.00534	0.00054	5.90	0.99131	0.00055
						5.95	0.99466	0.00056
						6.00	0.99618	0.00054
						6.05	0.99717	0.00056
						6.10	0.99943	0.00054
						6.15	1.00318	0.00050
						6.20	1.00364	0.00053

6000	7000	7500						
5.50	0.92893	0.00052	7.00	0.93596	0.00052	8.00	0.93517	0.00050
5.60	0.93266	0.00052	7.10	0.93896	0.00053	8.20	0.94022	0.00049
5.70	0.93813	0.00054	7.20	0.94090	0.00052	8.40	0.94439	0.00052
5.80	0.94205	0.00051	7.30	0.94372	0.00051	8.60	0.94959	0.00049
5.90	0.94527	0.00052	7.40	0.94801	0.00052	8.80	0.95383	0.00050
6.00	0.95118	0.00052	7.50	0.95055	0.00052	9.00	0.95813	0.00051
6.10	0.95382	0.00053	7.60	0.95340	0.00050	9.20	0.96254	0.00050
6.20	0.95831	0.00053	7.70	0.95609	0.00052	9.40	0.96676	0.00049
6.30	0.96284	0.00052	7.80	0.95815	0.00050	9.60	0.97019	0.00049
6.40	0.96573	0.00052	7.90	0.96062	0.00053	9.80	0.97367	0.00050
6.50	0.96994	0.00054	8.00	0.96341	0.00051	10.00	0.97794	0.00050
6.60	0.97403	0.00054	8.10	0.96701	0.00052	10.20	0.98201	0.00049
6.70	0.97659	0.00052	8.20	0.96927	0.00049	10.40	0.98550	0.00048
6.80	0.98047	0.00053	8.30	0.97078	0.00051	10.60	0.98998	0.00049
6.90	0.98550	0.00054	8.40	0.97334	0.00049	10.80	0.99162	0.00049
7.00	0.98725	0.00052	8.50	0.97755	0.00050	11.00	0.99585	0.00050
7.10	0.99094	0.00051	8.60	0.98008	0.00052	11.20	0.99888	0.00050
7.20	0.99475	0.00052	8.70	0.98188	0.00051	11.40	1.00142	0.00048
7.30	0.99872	0.00055	8.80	0.98400	0.00052	11.60	1.00525	0.00049
7.40	1.00133	0.00051	8.90	0.98617	0.00053			
7.50	1.00547	0.00053	9.00	0.98790	0.00051			
			9.10	0.99045	0.00051			
			9.20	0.99288	0.00050			
			9.30	0.99536	0.00052			
			9.40	0.99734	0.00050			
			9.50	0.99925	0.00051			
			9.60	1.00119	0.00048			
			9.70	1.00400	0.00052			
			9.80	1.00528	0.00052			
			9.90	1.00735	0.00051			
			10.00	1.01102	0.00050			
			10.10	1.01121	0.00050			
			10.20	1.01471	0.00052			

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8000	9000	10000
9.60 0.93895 0.00048	15.00 0.93839 0.00045	999.98 0.96763 0.00034
9.80 0.94250 0.00050	15.50 0.94155 0.00044	999.99 0.96763 0.00034
10.00 0.94733 0.00048	16.00 0.94627 0.00043	
10.20 0.94965 0.00049	16.50 0.94955 0.00042	
10.40 0.95290 0.00048	17.00 0.95317 0.00045	
10.60 0.95628 0.00047	17.50 0.95604 0.00045	
10.80 0.95939 0.00048	18.00 0.95951 0.00044	
11.00 0.96215 0.00049	18.50 0.96265 0.00042	
11.20 0.96583 0.00047	19.00 0.96464 0.00044	
11.40 0.96842 0.00047	19.50 0.96773 0.00044	
11.60 0.97151 0.00049	20.00 0.97054 0.00044	
11.80 0.97388 0.00048	20.50 0.97202 0.00044	
12.00 0.97716 0.00046	21.00 0.97561 0.00043	
12.20 0.97878 0.00047	21.50 0.97770 0.00042	
12.40 0.98207 0.00050	22.00 0.97956 0.00043	
12.60 0.98428 0.00048	22.50 0.98188 0.00044	
12.80 0.98716 0.00048	23.00 0.98367 0.00042	
13.00 0.98906 0.00048	23.50 0.98564 0.00043	
13.20 0.99201 0.00048	24.00 0.98790 0.00044	
13.40 0.99381 0.00047	24.50 0.98821 0.00040	
13.60 0.99567 0.00047	25.00 0.99075 0.00042	
13.80 0.99843 0.00049	25.50 0.99276 0.00043	
14.00 1.00097 0.00048	26.00 0.99368 0.00041	
14.20 1.00304 0.00047	26.50 0.99528 0.00042	
	27.00 0.99702 0.00043	
	27.50 0.99861 0.00044	
	28.00 1.00039 0.00042	
	28.50 1.00062 0.00042	
	29.00 1.00158 0.00044	
	29.50 1.00297 0.00042	
	30.00 1.00445 0.00044	

15000	18900
999.98 0.84164 0.00027	999.98 0.84226 0.00026
999.99 0.84164 0.00027	999.99 0.84226 0.00026

sumtable.u5o2-pl-0060-00		
20	25	30
999.98 0.15466 0.00004	999.98 0.18937 0.00005	999.98 0.22250 0.00005
999.99 0.15466 0.00004	999.99 0.18937 0.00005	999.99 0.22250 0.00005
40	45	50
999.98 0.28511 0.00007	999.98 0.31454 0.00007	999.98 0.34304 0.00008
999.99 0.28511 0.00007	999.99 0.31454 0.00007	999.99 0.34304 0.00008
55	60	65
999.98 0.37025 0.00009	999.98 0.39667 0.00009	999.98 0.42211 0.00009
999.99 0.37025 0.00009	999.99 0.39667 0.00009	999.99 0.42211 0.00009

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70	80	100
999.98 0.44658 0.00010	999.98 0.49318 0.00010	999.98 0.57733 0.00013
999.99 0.44658 0.00010	999.99 0.49318 0.00010	999.99 0.57733 0.00013
130	150	170
999.98 0.68511 0.00014	999.98 0.74713 0.00015	999.98 0.80230 0.00016
999.99 0.68511 0.00014	999.99 0.74713 0.00015	999.99 0.80230 0.00016
200	350	400
999.98 0.87532 0.00017	13.60 0.94051 0.00036	11.00 0.91857 0.00043
999.99 0.87532 0.00017	13.80 0.94459 0.00038	11.20 0.92517 0.00041
	14.00 0.94768 0.00037	11.40 0.93074 0.00041
	14.20 0.95155 0.00035	11.60 0.93781 0.00040
	14.40 0.95603 0.00036	11.80 0.94283 0.00041
	14.60 0.95998 0.00036	12.00 0.94875 0.00040
	14.80 0.96250 0.00038	12.20 0.95442 0.00041
	15.00 0.96555 0.00035	12.40 0.95812 0.00041
	15.20 0.96912 0.00033	12.60 0.96383 0.00039
	15.40 0.97217 0.00035	12.80 0.96913 0.00040
	15.60 0.97546 0.00035	13.00 0.97321 0.00039
	15.80 0.97788 0.00035	13.20 0.97824 0.00040
	16.00 0.98108 0.00035	13.40 0.98265 0.00041
	16.20 0.98413 0.00035	13.60 0.98618 0.00040
	16.40 0.98705 0.00035	13.80 0.99208 0.00038
	16.60 0.98885 0.00033	14.00 0.99525 0.00039
	16.80 0.99103 0.00035	14.20 0.99896 0.00038
	17.00 0.99418 0.00034	14.40 1.00228 0.00038
	17.20 0.99631 0.00034	14.60 1.00661 0.00039
	17.40 0.99815 0.00034	14.80 1.01041 0.00039
	17.60 1.00070 0.00034	15.00 1.01374 0.00037
	17.80 1.00273 0.00034	15.20 1.01644 0.00037
	18.00 1.00524 0.00033	15.40 1.01991 0.00037
		15.60 1.02270 0.00036
		15.80 1.02540 0.00036
		16.00 1.02898 0.00038

500	650	800
9.60 0.93024 0.00047	8.40 0.93060 0.00050	7.80 0.93249 0.00054
9.70 0.93567 0.00045	8.45 0.93483 0.00050	7.85 0.93674 0.00054
9.80 0.93924 0.00046	8.50 0.93825 0.00050	7.90 0.93966 0.00053
9.90 0.94345 0.00047	8.55 0.94050 0.00052	7.95 0.94386 0.00053
10.00 0.94744 0.00046	8.60 0.94341 0.00048	8.00 0.94672 0.00055
10.10 0.95199 0.00045	8.65 0.94743 0.00047	8.05 0.95035 0.00054
10.20 0.95633 0.00045	8.70 0.95009 0.00052	8.10 0.95226 0.00053
10.30 0.96003 0.00044	8.75 0.95220 0.00050	8.15 0.95642 0.00051
10.40 0.96496 0.00045	8.80 0.95515 0.00051	8.20 0.95992 0.00052
10.50 0.96793 0.00044	8.85 0.95762 0.00051	8.25 0.96458 0.00051
10.60 0.97206 0.00044	8.90 0.96102 0.00049	8.30 0.96662 0.00053
10.70 0.97633 0.00044	8.95 0.96400 0.00051	8.35 0.96989 0.00052
10.80 0.97908 0.00046	9.00 0.96707 0.00050	8.40 0.97276 0.00052
10.90 0.98377 0.00045	9.05 0.96901 0.00050	8.45 0.97647 0.00052
11.00 0.98621 0.00043	9.10 0.97248 0.00049	8.50 0.97976 0.00054
11.10 0.99019 0.00044	9.15 0.97339 0.00049	8.55 0.98356 0.00053
11.20 0.99433 0.00044	9.20 0.97694 0.00049	8.60 0.98638 0.00052
11.30 0.99731 0.00044	9.25 0.97958 0.00050	8.65 0.98859 0.00055
11.40 1.00068 0.00045	9.30 0.98230 0.00050	8.70 0.99179 0.00053
11.50 1.00333 0.00047	9.35 0.98492 0.00048	8.75 0.99438 0.00052
	9.40 0.98761 0.00050	8.80 0.99771 0.00052

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		9.45 0.98987 0.00049	8.85 0.99973 0.00055
		9.50 0.99245 0.00048	8.90 1.00323 0.00054
		9.55 0.99366 0.00050	8.95 1.00619 0.00053
		9.60 0.99580 0.00050	9.00 1.00923 0.00053
		9.65 0.99948 0.00048	
		9.70 1.00180 0.00047	
		9.75 1.00331 0.00051	
		9.80 1.00672 0.00049	
	900	1000	1200
7.50	0.92830 0.00054	7.40 0.93610 0.00056	7.00 0.92187 0.00059
7.55	0.93271 0.00058	7.45 0.94052 0.00056	7.05 0.92603 0.00058
7.60	0.93755 0.00056	7.50 0.94370 0.00058	7.10 0.92991 0.00057
7.65	0.94081 0.00055	7.55 0.94801 0.00056	7.15 0.93491 0.00060
7.70	0.94477 0.00053	7.60 0.95282 0.00056	7.20 0.93923 0.00058
7.75	0.94893 0.00053	7.65 0.95570 0.00055	7.25 0.94268 0.00058
7.80	0.95227 0.00057	7.70 0.95881 0.00057	7.30 0.94789 0.00058
7.85	0.95451 0.00055	7.75 0.96281 0.00057	7.35 0.95211 0.00062
7.90	0.95995 0.00053	7.80 0.96716 0.00057	7.40 0.95698 0.00058
7.95	0.96312 0.00056	7.85 0.97206 0.00059	7.45 0.96036 0.00059
8.00	0.96560 0.00055	7.90 0.97434 0.00056	7.50 0.96374 0.00060
8.05	0.97038 0.00053	7.95 0.97787 0.00057	7.55 0.96789 0.00059
8.10	0.97391 0.00056	8.00 0.98224 0.00056	7.60 0.97255 0.00057
8.15	0.97666 0.00053	8.05 0.98507 0.00057	7.65 0.97668 0.00059
8.20	0.98071 0.00055	8.10 0.98758 0.00059	7.70 0.98052 0.00057
8.25	0.98375 0.00056	8.15 0.99139 0.00055	7.75 0.98459 0.00060
8.30	0.98724 0.00054	8.20 0.99558 0.00057	7.80 0.98787 0.00058
8.35	0.98972 0.00055	8.25 0.99893 0.00058	7.85 0.99136 0.00058
8.40	0.99350 0.00054	8.30 1.00181 0.00056	7.90 0.99527 0.00059
8.45	0.99698 0.00055	8.35 1.00638 0.00054	7.95 0.99876 0.00059
8.50	0.99987 0.00055	8.40 1.00887 0.00058	8.00 1.00151 0.00059
8.55	1.00256 0.00054		
8.60	1.00640 0.00057		
8.65	1.00889 0.00054		
8.70	1.01133 0.00055		
	1500	1700	1900
7.00	0.93730 0.00061	6.80 0.92041 0.00062	7.00 0.93973 0.00062
7.05	0.94053 0.00060	6.85 0.92614 0.00062	7.05 0.94461 0.00064
7.10	0.94552 0.00059	6.90 0.93126 0.00061	7.10 0.94978 0.00061
7.15	0.95041 0.00059	6.95 0.93570 0.00063	7.15 0.95427 0.00062
7.20	0.95402 0.00058	7.00 0.94045 0.00061	7.20 0.95784 0.00061
7.25	0.95866 0.00059	7.05 0.94605 0.00058	7.25 0.96219 0.00059
7.30	0.96268 0.00059	7.10 0.94940 0.00058	7.30 0.96667 0.00059
7.35	0.96689 0.00059	7.15 0.95413 0.00061	7.35 0.97045 0.00061
7.40	0.97052 0.00060	7.20 0.95828 0.00060	7.40 0.97493 0.00061
7.45	0.97494 0.00061	7.25 0.96128 0.00062	7.45 0.98057 0.00060
7.50	0.97951 0.00062	7.30 0.96723 0.00060	7.50 0.98451 0.00062
7.55	0.98221 0.00061	7.35 0.97063 0.00060	7.55 0.98764 0.00062
7.60	0.98688 0.00061	7.40 0.97575 0.00061	7.60 0.99281 0.00063
7.65	0.99153 0.00060	7.45 0.97893 0.00060	7.65 0.99609 0.00060
7.70	0.99464 0.00060	7.50 0.98489 0.00060	7.70 0.99935 0.00060
7.75	1.00018 0.00060	7.55 0.98743 0.00060	7.75 1.00361 0.00061
7.80	1.00308 0.00057	7.60 0.99088 0.00060	7.80 1.00756 0.00061
7.85	1.00753 0.00060	7.65 0.99515 0.00059	7.85 1.01031 0.00062
7.90	1.01080 0.00058	7.70 0.99979 0.00059	7.90 1.01577 0.00059
		7.75 1.00317 0.00063	
		7.80 1.00723 0.00062	
	2000	2100	2500
7.00	0.93863 0.00060	7.00 0.93653 0.00063	7.10 0.93666 0.00062
7.05	0.94352 0.00063	7.05 0.94419 0.00061	7.15 0.94382 0.00062

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7.10	0.94786	0.00062	7.10	0.94735	0.00060	7.20	0.94720	0.00063
7.15	0.95350	0.00062	7.15	0.95148	0.00062	7.25	0.94981	0.00063
7.20	0.95745	0.00062	7.20	0.95664	0.00062	7.30	0.95572	0.00064
7.25	0.96279	0.00059	7.25	0.96124	0.00062	7.35	0.95908	0.00063
7.30	0.96742	0.00064	7.30	0.96433	0.00059	7.40	0.96315	0.00061
7.35	0.97022	0.00062	7.35	0.96961	0.00062	7.45	0.96786	0.00060
7.40	0.97564	0.00061	7.40	0.97323	0.00062	7.50	0.97092	0.00064
7.45	0.97860	0.00065	7.45	0.97759	0.00060	7.55	0.97599	0.00060
7.50	0.98278	0.00063	7.50	0.98037	0.00062	7.60	0.97940	0.00065
7.55	0.98674	0.00061	7.55	0.98635	0.00061	7.65	0.98528	0.00061
7.60	0.99043	0.00061	7.60	0.98989	0.00062	7.70	0.98825	0.00061
7.65	0.99512	0.00064	7.65	0.99451	0.00062	7.75	0.99212	0.00062
7.70	0.99951	0.00063	7.70	0.99748	0.00061	7.80	0.99643	0.00060
7.75	1.00355	0.00061	7.75	1.00203	0.00062	7.85	0.99963	0.00061
7.80	1.00570	0.00058	7.80	1.00659	0.00061	7.90	1.00303	0.00062
7.85	1.01051	0.00062	7.85	1.00860	0.00062	7.95	1.00763	0.00063
7.90	1.01366	0.00060	7.90	1.01278	0.00060	8.00	1.01144	0.00061
7.95	1.01728	0.00062	7.95	1.01659	0.00061			
8.00	1.02200	0.00062	8.00	1.02109	0.00061			
8.05	1.02535	0.00065	8.05	1.02508	0.00059			
8.10	1.02865	0.00060	8.10	1.02753	0.00061			
8.15	1.03364	0.00057	8.15	1.03083	0.00061			
8.20	1.03704	0.00062	8.20	1.03518	0.00060			
			8.25	1.03976	0.00064			
			8.30	1.04105	0.00061			

3000	4000	5000						
7.30	0.93702	0.00060	7.70	0.91992	0.00063	8.80	0.93682	0.00057
7.35	0.94089	0.00061	7.75	0.92485	0.00061	8.85	0.93911	0.00060
7.40	0.94459	0.00060	7.80	0.92781	0.00060	8.90	0.94295	0.00060
7.45	0.94863	0.00061	7.85	0.93132	0.00058	8.95	0.94417	0.00057
7.50	0.95316	0.00062	7.90	0.93444	0.00059	9.00	0.94823	0.00060
7.55	0.95812	0.00061	7.95	0.93901	0.00061	9.05	0.95195	0.00060
7.60	0.96187	0.00063	8.00	0.94286	0.00060	9.10	0.95393	0.00057
7.65	0.96524	0.00061	8.05	0.94671	0.00060	9.15	0.95720	0.00060
7.70	0.97060	0.00062	8.10	0.94941	0.00060	9.20	0.96004	0.00059
7.75	0.97236	0.00060	8.15	0.95364	0.00060	9.25	0.96303	0.00059
7.80	0.97657	0.00062	8.20	0.95646	0.00060	9.30	0.96532	0.00060
7.85	0.98121	0.00061	8.25	0.96051	0.00060	9.35	0.96812	0.00059
7.90	0.98498	0.00062	8.30	0.96311	0.00063	9.40	0.97209	0.00058
7.95	0.98895	0.00061	8.35	0.96818	0.00062	9.45	0.97338	0.00062
8.00	0.99171	0.00064	8.40	0.97002	0.00062	9.50	0.97592	0.00058
8.05	0.99555	0.00061	8.45	0.97410	0.00059	9.55	0.97973	0.00060
8.10	1.00052	0.00061	8.50	0.97780	0.00058	9.60	0.98215	0.00061
8.15	1.00301	0.00062	8.55	0.98009	0.00060	9.65	0.98454	0.00057
8.20	1.00696	0.00061	8.60	0.98251	0.00064	9.70	0.98762	0.00060
			8.65	0.98689	0.00060	9.75	0.99033	0.00059
			8.70	0.99019	0.00063	9.80	0.99223	0.00061
			8.75	0.99456	0.00062	9.85	0.99512	0.00057
			8.80	0.99765	0.00061	9.90	0.99736	0.00058
			8.85	0.99969	0.00062	9.95	0.99997	0.00060
			8.90	1.00326	0.00060	10.00	1.00237	0.00058
			8.95	1.00508	0.00061	10.05	1.00431	0.00060
			9.00	1.00791	0.00062	10.10	1.00806	0.00058

6000	7000	7500						
10.00	0.93518	0.00055	11.80	0.93773	0.00053	12.80	0.93293	0.00053
10.10	0.94089	0.00055	11.90	0.94324	0.00052	12.90	0.93559	0.00051
10.20	0.94465	0.00053	12.00	0.94495	0.00052	13.00	0.93979	0.00049
10.30	0.95047	0.00055	12.10	0.94957	0.00054	13.10	0.94229	0.00050
10.40	0.95416	0.00055	12.20	0.95129	0.00052	13.20	0.94429	0.00050

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10.50	0.95919	0.00054	12.30	0.95434	0.00053	13.30	0.94778	0.00050
10.60	0.96348	0.00055	12.40	0.95846	0.00053	13.40	0.95007	0.00052
10.70	0.96821	0.00056	12.50	0.96102	0.00052	13.50	0.95431	0.00052
10.80	0.97198	0.00059	12.60	0.96468	0.00054	13.60	0.95541	0.00049
10.90	0.97667	0.00055	12.70	0.96818	0.00052	13.70	0.95747	0.00051
11.00	0.98070	0.00056	12.80	0.97109	0.00053	13.80	0.95989	0.00048
11.10	0.98374	0.00055	12.90	0.97346	0.00051	13.90	0.96433	0.00048
11.20	0.98747	0.00056	13.00	0.97683	0.00051	14.00	0.96563	0.00050
11.30	0.99244	0.00056	13.10	0.97968	0.00053	14.10	0.96857	0.00050
11.40	0.99569	0.00057	13.20	0.98330	0.00053	14.20	0.97078	0.00050
11.50	1.00062	0.00055	13.30	0.98586	0.00052	14.30	0.97331	0.00050
11.60	1.00339	0.00053	13.40	0.98742	0.00052	14.40	0.97641	0.00052
11.70	1.00753	0.00056	13.50	0.99085	0.00054	14.50	0.97811	0.00052
11.80	1.00930	0.00058	13.60	0.99442	0.00050	14.60	0.98120	0.00051
11.90	1.01329	0.00055	13.70	0.99593	0.00051	14.70	0.98264	0.00051
12.00	1.01803	0.00055	13.80	0.99944	0.00053	14.80	0.98402	0.00052
			13.90	1.00126	0.00053	14.90	0.98750	0.00050
			14.00	1.00499	0.00053	15.00	0.98981	0.00049
						15.10	0.99099	0.00050
						15.20	0.99470	0.00049
						15.30	0.99643	0.00050
						15.40	0.99713	0.00051
						15.50	1.00022	0.00051
						15.60	1.00242	0.00049
						15.70	1.00343	0.00049
						15.80	1.00626	0.00050

8000	9000	10000						
14.60	0.94197	0.00049	19.00	0.93898	0.00042	24.00	0.91041	0.00036
14.80	0.94525	0.00050	19.25	0.94226	0.00043	26.00	0.92450	0.00039
15.00	0.95171	0.00048	19.50	0.94500	0.00043	28.00	0.93633	0.00036
15.20	0.95435	0.00050	19.75	0.94852	0.00044	30.00	0.94708	0.00036
15.40	0.95903	0.00047	20.00	0.95139	0.00043	32.00	0.95515	0.00036
15.60	0.96343	0.00048	20.25	0.95424	0.00043	34.00	0.96263	0.00035
15.80	0.96778	0.00049	20.50	0.95738	0.00044	36.00	0.96836	0.00035
16.00	0.97010	0.00048	20.75	0.96026	0.00043	38.00	0.97349	0.00034
16.20	0.97500	0.00050	21.00	0.96170	0.00042	40.00	0.97867	0.00035
16.40	0.97848	0.00046	21.25	0.96476	0.00042	42.00	0.98292	0.00034
16.60	0.98223	0.00048	21.50	0.96855	0.00043	44.00	0.98662	0.00035
16.80	0.98511	0.00049	21.75	0.96841	0.00042	46.00	0.98785	0.00037
17.00	0.98844	0.00050	22.00	0.97257	0.00043	48.00	0.99155	0.00035
17.20	0.99110	0.00049	22.25	0.97434	0.00041	50.00	0.99388	0.00035
17.40	0.99525	0.00051	22.50	0.97728	0.00043	52.00	0.99663	0.00033
17.60	0.99792	0.00049	22.75	0.97940	0.00043	54.00	0.99820	0.00035
17.80	1.00116	0.00049	23.00	0.98049	0.00042	56.00	1.00070	0.00034
18.00	1.00485	0.00049	23.25	0.98289	0.00042	58.00	1.00168	0.00035
18.20	1.00619	0.00047	23.50	0.98577	0.00043	60.00	1.00335	0.00035
18.40	1.01067	0.00047	23.75	0.98632	0.00042			
18.60	1.01348	0.00048	24.00	0.98828	0.00044			
18.80	1.01475	0.00049	24.25	0.99039	0.00042			
			24.50	0.99235	0.00044			
			24.75	0.99423	0.00042			
			25.00	0.99655	0.00043			
			25.25	0.99735	0.00041			
			25.50	0.99977	0.00044			
			25.75	1.00047	0.00043			
			26.00	1.00202	0.00042			

15000	18900				
999.98	0.91668	0.00027	999.98	0.91632	0.00028
999.99	0.91668	0.00027	999.99	0.91632	0.00028

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sumtable.u5o2-pl-0060-01								
		20		25		30		
999.98	0.15466	0.00004	999.98	0.18937	0.00005	999.98	0.22250	0.00005
999.99	0.15466	0.00004	999.99	0.18937	0.00005	999.99	0.22250	0.00005
		40		45		50		
999.98	0.28511	0.00007	999.98	0.31454	0.00007	999.98	0.34304	0.00008
999.99	0.28511	0.00007	999.99	0.31454	0.00007	999.99	0.34304	0.00008
		55		60		65		
999.98	0.37025	0.00009	999.98	0.39667	0.00009	999.98	0.42211	0.00009
999.99	0.37025	0.00009	999.99	0.39667	0.00009	999.99	0.42211	0.00009
		70		80		100		
999.98	0.44658	0.00010	999.98	0.49318	0.00010	999.98	0.57733	0.00013
999.99	0.44658	0.00010	999.99	0.49318	0.00010	999.99	0.57733	0.00013
		130		150		170		
999.98	0.68511	0.00014	999.98	0.74713	0.00015	999.98	0.80230	0.00016
999.99	0.68511	0.00014	999.99	0.74713	0.00015	999.99	0.80230	0.00016
		200		350		400		
999.98	0.87532	0.00017	11.00	0.91723	0.00037	9.00	0.90325	0.00039
999.99	0.87532	0.00017	11.25	0.92355	0.00037	9.20	0.90997	0.00040
			11.50	0.92981	0.00038	9.40	0.91697	0.00040
			11.75	0.93403	0.00035	9.60	0.92321	0.00041
			12.00	0.94026	0.00037	9.80	0.93081	0.00038
			12.25	0.94499	0.00034	10.00	0.93562	0.00040
			12.50	0.94886	0.00035	10.20	0.94186	0.00038
			12.75	0.95387	0.00034	10.40	0.94694	0.00040
			13.00	0.95808	0.00035	10.60	0.95277	0.00040
			13.25	0.96310	0.00035	10.80	0.95821	0.00038
			13.50	0.96621	0.00034	11.00	0.96315	0.00040
			13.75	0.97058	0.00034	11.20	0.96813	0.00038
			14.00	0.97472	0.00034	11.40	0.97293	0.00039
			14.25	0.97825	0.00034	11.60	0.97790	0.00039
			14.50	0.98112	0.00033	11.80	0.98174	0.00038
			14.75	0.98549	0.00034	12.00	0.98615	0.00038
			15.00	0.98822	0.00033	12.20	0.98994	0.00038
			15.25	0.99089	0.00034	12.40	0.99482	0.00037
			15.50	0.99417	0.00033	12.60	0.99903	0.00037
			15.75	0.99722	0.00034	12.80	1.00239	0.00038
			16.00	0.99966	0.00034	13.00	1.00636	0.00037
		500		650		800		
8.00	0.92867	0.00046	6.80	0.93085	0.00048	6.30	0.93844	0.00051
8.10	0.93331	0.00044	6.85	0.93339	0.00048	6.35	0.94217	0.00050
8.20	0.93809	0.00045	6.90	0.93691	0.00047	6.40	0.94664	0.00052
8.30	0.94234	0.00044	6.95	0.93917	0.00050	6.45	0.94964	0.00051
8.40	0.94747	0.00044	7.00	0.94250	0.00048	6.50	0.95353	0.00052
8.50	0.95123	0.00043	7.05	0.94627	0.00048	6.55	0.95685	0.00052
8.60	0.95562	0.00043	7.10	0.94929	0.00048	6.60	0.95980	0.00052
8.70	0.95972	0.00044	7.15	0.95137	0.00047	6.65	0.96246	0.00053
8.80	0.96312	0.00042	7.20	0.95546	0.00046	6.70	0.96732	0.00051

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8.90	0.96640	0.00044	7.25	0.95755	0.00047	6.75	0.96946	0.00051
9.00	0.97100	0.00043	7.30	0.95979	0.00047	6.80	0.97442	0.00051
9.10	0.97460	0.00041	7.35	0.96285	0.00048	6.85	0.97608	0.00054
9.20	0.97869	0.00043	7.40	0.96630	0.00047	6.90	0.97967	0.00052
9.30	0.98166	0.00044	7.45	0.96882	0.00047	6.95	0.98238	0.00050
9.40	0.98535	0.00043	7.50	0.97011	0.00049	7.00	0.98610	0.00052
9.50	0.98913	0.00043	7.55	0.97283	0.00047	7.05	0.98850	0.00051
9.60	0.99214	0.00042	7.60	0.97642	0.00048	7.10	0.99187	0.00052
9.70	0.99573	0.00043	7.65	0.97915	0.00047	7.15	0.99515	0.00053
9.80	0.99943	0.00042	7.70	0.98132	0.00047	7.20	0.99770	0.00051
9.90	1.00177	0.00043	7.75	0.98484	0.00048	7.25	1.00094	0.00050
10.00	1.00566	0.00043	7.80	0.98596	0.00048	7.30	1.00285	0.00050
			7.85	0.98891	0.00048	7.35	1.00655	0.00050
			7.90	0.99158	0.00047	7.40	1.00907	0.00051
			7.95	0.99407	0.00049			
			8.00	0.99688	0.00048			
			8.05	0.99871	0.00047			
			8.10	1.00115	0.00050			
			8.15	1.00352	0.00050			
			8.20	1.00521	0.00046			

900	1000	1200						
6.00	0.93642	0.00055	5.80	0.93690	0.00054	5.50	0.93317	0.00055
6.05	0.94134	0.00053	5.85	0.94206	0.00054	5.55	0.93679	0.00056
6.10	0.94541	0.00055	5.90	0.94571	0.00056	5.60	0.94224	0.00054
6.15	0.94872	0.00055	5.95	0.94927	0.00056	5.65	0.94659	0.00058
6.20	0.95205	0.00051	6.00	0.95299	0.00053	5.70	0.95085	0.00057
6.25	0.95624	0.00055	6.05	0.95708	0.00058	5.75	0.95428	0.00059
6.30	0.95896	0.00053	6.10	0.96170	0.00055	5.80	0.95888	0.00058
6.35	0.96355	0.00052	6.15	0.96484	0.00056	5.85	0.96259	0.00056
6.40	0.96723	0.00054	6.20	0.96822	0.00054	5.90	0.96604	0.00057
6.45	0.96994	0.00052	6.25	0.97162	0.00054	5.95	0.97149	0.00054
6.50	0.97416	0.00053	6.30	0.97457	0.00051	6.00	0.97443	0.00055
6.55	0.97711	0.00053	6.35	0.97869	0.00053	6.05	0.97837	0.00055
6.60	0.98075	0.00051	6.40	0.98223	0.00054	6.10	0.98321	0.00057
6.65	0.98405	0.00054	6.45	0.98626	0.00055	6.15	0.98615	0.00057
6.70	0.98766	0.00052	6.50	0.98939	0.00055	6.20	0.99017	0.00054
6.75	0.99098	0.00053	6.55	0.99371	0.00056	6.25	0.99294	0.00057
6.80	0.99379	0.00052	6.60	0.99694	0.00053	6.30	0.99814	0.00056
6.85	0.99667	0.00054	6.65	0.99923	0.00053	6.35	1.00098	0.00058
6.90	1.00098	0.00051	6.70	1.00282	0.00056	6.40	1.00483	0.00057
6.95	1.00379	0.00054	6.75	1.00675	0.00056	6.45	1.00919	0.00058
7.00	1.00697	0.00055	6.80	1.00949	0.00054	6.50	1.01190	0.00056
						6.55	1.01605	0.00056
						6.60	1.01837	0.00058
						6.65	1.02234	0.00055
						6.70	1.02657	0.00057

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1500	1700	1900
5.20 0.92360 0.00058	5.30 0.93754 0.00059	5.20 0.92957 0.00061
5.25 0.92736 0.00060	5.35 0.94176 0.00059	5.25 0.93305 0.00060
5.30 0.93226 0.00059	5.40 0.94581 0.00063	5.30 0.94015 0.00060
5.35 0.93621 0.00059	5.45 0.95096 0.00059	5.35 0.94387 0.00057
5.40 0.94033 0.00060	5.50 0.95512 0.00059	5.40 0.94793 0.00059
5.45 0.94615 0.00059	5.55 0.95954 0.00059	5.45 0.95270 0.00061
5.50 0.95020 0.00058	5.60 0.96340 0.00060	5.50 0.95692 0.00056
5.55 0.95523 0.00059	5.65 0.96695 0.00061	5.55 0.96086 0.00060
5.60 0.95854 0.00057	5.70 0.97179 0.00057	5.60 0.96549 0.00061
5.65 0.96373 0.00058	5.75 0.97690 0.00058	5.65 0.97066 0.00060
5.70 0.96807 0.00058	5.80 0.98121 0.00058	5.70 0.97499 0.00057
5.75 0.97132 0.00058	5.85 0.98660 0.00058	5.75 0.97867 0.00059
5.80 0.97499 0.00059	5.90 0.98978 0.00060	5.80 0.98303 0.00059
5.85 0.98011 0.00057	5.95 0.99292 0.00058	5.85 0.98602 0.00060
5.90 0.98437 0.00058	6.00 0.99707 0.00059	5.90 0.99051 0.00060
5.95 0.98853 0.00056	6.05 1.00054 0.00059	5.95 0.99341 0.00060
6.00 0.99233 0.00059	6.10 1.00590 0.00059	6.00 0.99820 0.00060
6.05 0.99694 0.00059	6.15 1.00823 0.00059	6.05 1.00341 0.00059
6.10 0.99932 0.00058	6.20 1.01280 0.00059	6.10 1.00818 0.00058
6.15 1.00286 0.00058		6.15 1.01090 0.00060
6.20 1.00790 0.00058		6.20 1.01449 0.00059

2000	2100	2500
5.20 0.92923 0.00059	5.20 0.92865 0.00060	5.30 0.93045 0.00060
5.25 0.93418 0.00059	5.25 0.93361 0.00060	5.35 0.93553 0.00061
5.30 0.93892 0.00059	5.30 0.93904 0.00062	5.40 0.94041 0.00060
5.35 0.94264 0.00058	5.35 0.94256 0.00062	5.45 0.94454 0.00061
5.40 0.94792 0.00062	5.40 0.94724 0.00060	5.50 0.94930 0.00060
5.45 0.95243 0.00058	5.45 0.95189 0.00060	5.55 0.95371 0.00061
5.50 0.95719 0.00059	5.50 0.95608 0.00059	5.60 0.95764 0.00060
5.55 0.96051 0.00059	5.55 0.96044 0.00060	5.65 0.96091 0.00061
5.60 0.96476 0.00059	5.60 0.96413 0.00059	5.70 0.96556 0.00060
5.65 0.96982 0.00059	5.65 0.96876 0.00060	5.75 0.96926 0.00062
5.70 0.97446 0.00060	5.70 0.97337 0.00060	5.80 0.97435 0.00058
5.75 0.97826 0.00061	5.75 0.97735 0.00060	5.85 0.97867 0.00061
5.80 0.98297 0.00060	5.80 0.98226 0.00059	5.90 0.98208 0.00060
5.85 0.98674 0.00061	5.85 0.98650 0.00059	5.95 0.98499 0.00060
5.90 0.99075 0.00059	5.90 0.98938 0.00061	6.00 0.99143 0.00060
5.95 0.99377 0.00059	5.95 0.99303 0.00059	6.05 0.99395 0.00061
6.00 0.99782 0.00059	6.00 0.99692 0.00059	6.10 0.99801 0.00061
6.05 1.00107 0.00061	6.05 1.00162 0.00061	6.15 1.00098 0.00062
6.10 1.00612 0.00060	6.10 1.00581 0.00059	6.20 1.00522 0.00059
6.15 1.00958 0.00060		6.25 1.00868 0.00060
6.20 1.01350 0.00060		6.30 1.01319 0.00060

3000	4000	5000
5.50 0.93169 0.00061	6.00 0.93065 0.00058	6.80 0.93120 0.00059
5.55 0.93731 0.00059	6.05 0.93520 0.00058	6.85 0.93548 0.00059
5.60 0.94188 0.00061	6.10 0.93797 0.00059	6.90 0.93707 0.00059
5.65 0.94722 0.00061	6.15 0.94143 0.00058	6.95 0.94038 0.00058
5.70 0.95063 0.00061	6.20 0.94565 0.00061	7.00 0.94405 0.00057
5.75 0.95405 0.00060	6.25 0.94884 0.00060	7.05 0.94755 0.00058

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5.80 0.95778 0.00060	6.30 0.95251 0.00061	7.10 0.95000 0.00058
5.85 0.96205 0.00063	6.35 0.95568 0.00062	7.15 0.95244 0.00058
5.90 0.96619 0.00060	6.40 0.95795 0.00060	7.20 0.95539 0.00058
5.95 0.96972 0.00061	6.45 0.96310 0.00060	7.25 0.95898 0.00059
6.00 0.97326 0.00060	6.50 0.96678 0.00060	7.30 0.96146 0.00059
6.05 0.97848 0.00062	6.60 0.97330 0.00061	7.35 0.96422 0.00060
6.10 0.98077 0.00060	6.65 0.97601 0.00058	7.40 0.96665 0.00059
6.15 0.98489 0.00061	6.70 0.97962 0.00059	7.45 0.96900 0.00058
6.20 0.98980 0.00061	6.75 0.98288 0.00062	7.50 0.97236 0.00058
6.25 0.99266 0.00063	6.80 0.98606 0.00062	7.55 0.97439 0.00058
6.30 0.99642 0.00059	6.85 0.98887 0.00063	7.60 0.97789 0.00058
6.35 1.00065 0.00060	6.90 0.99132 0.00060	7.65 0.97938 0.00058
6.40 1.00249 0.00059	6.95 0.99368 0.00060	7.70 0.98299 0.00058
6.45 1.00659 0.00061	7.00 0.99782 0.00060	7.75 0.98456 0.00059
6.50 1.01048 0.00061	7.05 1.00051 0.00060	7.80 0.98673 0.00058
	7.10 1.00401 0.00061	7.85 0.98981 0.00058
	7.15 1.00674 0.00061	7.90 0.99264 0.00059
	7.20 1.01058 0.00060	7.95 0.99492 0.00057
		8.00 0.99645 0.00058
		8.05 1.00016 0.00059
		8.10 1.00148 0.00061
		8.15 1.00387 0.00058
		8.20 1.00764 0.00059

6000	7000	7500
8.00 0.93530 0.00056	9.50 0.93097 0.00055	10.60 0.93143 0.00053
8.10 0.94019 0.00057	9.60 0.93445 0.00054	10.80 0.93825 0.00054
8.20 0.94570 0.00057	9.70 0.93866 0.00056	11.00 0.94397 0.00051
8.30 0.94989 0.00056	9.80 0.94082 0.00055	11.20 0.94984 0.00053
8.40 0.95473 0.00056	9.90 0.94571 0.00054	11.40 0.95533 0.00053
8.50 0.95874 0.00056	10.00 0.94962 0.00054	11.60 0.95847 0.00052
8.60 0.96357 0.00056	10.10 0.95216 0.00053	11.80 0.96410 0.00052
8.70 0.96765 0.00058	10.20 0.95522 0.00055	12.00 0.96992 0.00051
8.80 0.97092 0.00056	10.30 0.95849 0.00054	12.20 0.97358 0.00052
8.90 0.97493 0.00056	10.40 0.96148 0.00053	12.40 0.97921 0.00053
9.00 0.98003 0.00058	10.50 0.96535 0.00052	12.60 0.98320 0.00053
9.10 0.98419 0.00055	10.60 0.96741 0.00052	12.80 0.98891 0.00053
9.20 0.98827 0.00056	10.70 0.97054 0.00056	13.00 0.99217 0.00051
9.30 0.99110 0.00055	10.80 0.97418 0.00053	13.20 0.99617 0.00052
9.40 0.99529 0.00056	10.90 0.97617 0.00052	13.40 1.00029 0.00053
9.50 0.99916 0.00055	11.00 0.97929 0.00054	13.60 1.00462 0.00050
9.60 1.00342 0.00056	11.10 0.98249 0.00052	
9.70 1.00639 0.00055	11.20 0.98510 0.00052	
9.80 1.00989 0.00057	11.30 0.98808 0.00051	
	11.40 0.99017 0.00053	
	11.50 0.99361 0.00054	
	11.60 0.99582 0.00054	
	11.70 0.99865 0.00055	
	11.80 1.00143 0.00055	
	11.90 1.00308 0.00052	
	12.00 1.00552 0.00053	

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8000	9000	10000
12.00 0.93268 0.00048	16.00 0.93045 0.00045	26.00 0.93941 0.00039
12.20 0.93699 0.00050	16.25 0.93457 0.00044	27.00 0.94478 0.00036
12.40 0.94271 0.00051	16.50 0.93748 0.00044	28.00 0.94885 0.00038
12.60 0.94679 0.00049	16.75 0.94115 0.00044	29.00 0.95356 0.00037
12.80 0.95070 0.00049	17.00 0.94366 0.00045	30.00 0.95726 0.00036
13.00 0.95489 0.00049	17.25 0.94681 0.00044	31.00 0.96114 0.00036
13.20 0.95893 0.00050	17.50 0.94964 0.00045	32.00 0.96415 0.00038
13.40 0.96305 0.00050	17.75 0.95257 0.00044	33.00 0.96647 0.00036
13.60 0.96723 0.00050	18.00 0.95571 0.00045	34.00 0.97026 0.00036
13.80 0.97053 0.00048	18.25 0.95822 0.00045	35.00 0.97285 0.00037
14.00 0.97503 0.00051	18.50 0.96082 0.00046	36.00 0.97525 0.00036
14.20 0.97836 0.00049	18.75 0.96347 0.00044	37.00 0.97780 0.00037
14.40 0.98137 0.00049	19.00 0.96601 0.00044	38.00 0.97937 0.00035
14.60 0.98496 0.00049	19.25 0.96843 0.00044	39.00 0.98160 0.00036
14.80 0.98869 0.00048	19.50 0.97094 0.00044	40.00 0.98348 0.00036
15.00 0.99168 0.00051	19.75 0.97302 0.00045	41.00 0.98523 0.00035
15.20 0.99404 0.00051	20.00 0.97560 0.00044	42.00 0.98708 0.00036
15.40 0.99801 0.00049	20.25 0.97790 0.00045	43.00 0.98859 0.00037
15.60 1.00172 0.00048	20.50 0.97927 0.00044	44.00 0.98985 0.00036
15.80 1.00288 0.00048	20.75 0.98167 0.00044	45.00 0.99123 0.00034
	21.00 0.98442 0.00044	46.00 0.99266 0.00037
	21.25 0.98633 0.00044	47.00 0.99423 0.00035
	21.50 0.98704 0.00044	48.00 0.99509 0.00036
	21.75 0.98988 0.00044	49.00 0.99666 0.00034
	22.00 0.99057 0.00041	50.00 0.99718 0.00035
	22.25 0.99292 0.00042	51.00 0.99835 0.00036
	22.50 0.99518 0.00044	52.00 0.99891 0.00036
	22.75 0.99593 0.00044	53.00 0.99920 0.00035
	23.00 0.99765 0.00044	54.00 1.00099 0.00034
	23.25 0.99877 0.00042	55.00 1.00136 0.00035
	23.50 1.00136 0.00042	
	23.75 1.00259 0.00043	
	24.00 1.00486 0.00043	

15000	18900	
999.98 0.91668 0.00027	999.98 0.91632 0.00028	
999.99 0.91668 0.00027	999.99 0.91632 0.00028	

## sumtable.u5o2-pl-0060-10

20	25	30
999.98 0.15466 0.00004	999.98 0.18937 0.00005	999.98 0.22250 0.00005
999.99 0.15466 0.00004	999.99 0.18937 0.00005	999.99 0.22250 0.00005
40	45	50
999.98 0.28511 0.00007	999.98 0.31454 0.00007	999.98 0.34304 0.00008
999.99 0.28511 0.00007	999.99 0.31454 0.00007	999.99 0.34304 0.00008
55	60	65
999.98 0.37025 0.00009	999.98 0.39667 0.00009	999.98 0.42211 0.00009
999.99 0.37025 0.00009	999.99 0.39667 0.00009	999.99 0.42211 0.00009

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70			80			100		
999.98	0.44658	0.00010	999.98	0.49318	0.00010	999.98	0.57733	0.00013
999.99	0.44658	0.00010	999.99	0.49318	0.00010	999.99	0.57733	0.00013
130			150			170		
999.98	0.68511	0.00014	999.98	0.74713	0.00015	999.98	0.80230	0.00016
999.99	0.68511	0.00014	999.99	0.74713	0.00015	999.99	0.80230	0.00016
200			350			400		
999.98	0.87532	0.00017	10.60	0.93594	0.00033	8.80	0.93591	0.00037
999.99	0.87532	0.00017	10.80	0.93984	0.00035	9.00	0.94171	0.00038
			11.00	0.94344	0.00034	9.20	0.94738	0.00036
			11.20	0.94695	0.00034	9.40	0.95286	0.00038
			11.40	0.95069	0.00035	9.60	0.95829	0.00037
			11.60	0.95516	0.00034	9.80	0.96344	0.00037
			11.80	0.95790	0.00034	10.00	0.96824	0.00037
			12.00	0.96192	0.00034	10.20	0.97289	0.00036
			12.20	0.96506	0.00034	10.40	0.97732	0.00036
			12.40	0.96835	0.00034	10.60	0.98177	0.00036
			12.60	0.97174	0.00035	10.80	0.98568	0.00037
			12.80	0.97459	0.00033	11.00	0.98998	0.00035
			13.00	0.97722	0.00034	11.20	0.99520	0.00037
			13.20	0.98015	0.00031	11.40	0.99826	0.00036
			13.40	0.98275	0.00033	11.60	1.00302	0.00036
			13.60	0.98567	0.00033	11.80	1.00581	0.00036
			13.80	0.98908	0.00032	12.00	1.00939	0.00035
			14.00	0.99042	0.00032	12.20	1.01298	0.00035
			14.20	0.99319	0.00032	12.40	1.01570	0.00034
			14.40	0.99567	0.00033	12.60	1.01896	0.00035
			14.60	0.99835	0.00031	12.80	1.02231	0.00035
			14.80	1.00068	0.00032			
			15.00	1.00201	0.00033			
			15.20	1.00457	0.00032			
			15.40	1.00616	0.00032			
500			650			800		
7.00	0.93908	0.00043	5.60	0.93397	0.00047	4.90	0.93181	0.00048
7.05	0.94148	0.00040	5.65	0.93743	0.00045	4.95	0.93546	0.00049
7.10	0.94376	0.00041	5.70	0.94127	0.00046	5.00	0.93965	0.00048
7.15	0.94477	0.00041	5.75	0.94331	0.00045	5.05	0.94269	0.00049
7.20	0.94811	0.00043	5.80	0.94631	0.00047	5.10	0.94646	0.00046
7.25	0.95040	0.00040	5.85	0.94955	0.00046	5.15	0.94953	0.00048
7.30	0.95240	0.00042	5.90	0.95249	0.00045	5.20	0.95410	0.00049
7.35	0.95471	0.00040	5.95	0.95488	0.00046	5.25	0.95729	0.00049
7.40	0.95585	0.00041	6.00	0.95770	0.00046	5.30	0.96078	0.00049
7.45	0.95849	0.00041	6.05	0.96032	0.00045	5.35	0.96445	0.00046
7.50	0.95959	0.00041	6.10	0.96334	0.00045	5.40	0.96638	0.00047
7.55	0.96209	0.00041	6.15	0.96644	0.00044	5.45	0.96926	0.00047
7.60	0.96432	0.00042	6.20	0.96892	0.00046	5.50	0.97353	0.00047
7.65	0.96644	0.00042	6.25	0.97236	0.00046	5.55	0.97617	0.00049
7.70	0.96781	0.00041	6.30	0.97424	0.00046	5.60	0.98015	0.00046
7.75	0.97013	0.00042	6.35	0.97755	0.00044	5.65	0.98339	0.00048
7.80	0.97216	0.00041	6.40	0.98016	0.00045	5.70	0.98637	0.00049
7.85	0.97323	0.00042	6.45	0.98261	0.00045	5.75	0.99043	0.00049
7.90	0.97558	0.00043	6.50	0.98464	0.00046	5.80	0.99233	0.00047
7.95	0.97752	0.00040	6.55	0.98747	0.00047	5.85	0.99551	0.00047
8.00	0.98017	0.00041	6.60	0.98978	0.00043	5.90	0.99882	0.00048
8.05	0.98100	0.00043	6.65	0.99267	0.00043	5.95	1.00123	0.00049
8.10	0.98316	0.00041	6.70	0.99402	0.00045	6.00	1.00414	0.00048

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8.15	0.98504	0.00041	6.75	0.99801	0.00044
8.20	0.98580	0.00040	6.80	1.00073	0.00045
8.25	0.98856	0.00042	6.85	1.00316	0.00046
8.30	0.99046	0.00040	6.90	1.00412	0.00045
8.35	0.99242	0.00041			
8.40	0.99421	0.00040			
8.45	0.99554	0.00041			
8.50	0.99707	0.00041			
8.55	0.99807	0.00041			
8.60	0.99998	0.00041			
8.65	1.00191	0.00041			
8.70	1.00383	0.00041			
8.75	1.00495	0.00041			
8.80	1.00704	0.00040			

900	1000	1200						
4.60	0.93174	0.00051	4.40	0.93321	0.00050	4.00	0.92403	0.00052
4.65	0.93449	0.00050	4.45	0.93706	0.00049	4.05	0.92841	0.00052
4.70	0.93975	0.00052	4.50	0.94131	0.00050	4.10	0.93373	0.00051
4.75	0.94266	0.00048	4.55	0.94505	0.00053	4.15	0.93873	0.00049
4.80	0.94616	0.00051	4.60	0.94912	0.00051	4.20	0.94112	0.00052
4.85	0.95069	0.00049	4.65	0.95335	0.00051	4.25	0.94646	0.00052
4.90	0.95475	0.00049	4.70	0.95771	0.00049	4.30	0.95125	0.00054
4.95	0.95839	0.00047	4.75	0.96108	0.00051	4.35	0.95529	0.00051
5.00	0.96237	0.00050	4.80	0.96539	0.00049	4.40	0.95869	0.00052
5.05	0.96516	0.00051	4.85	0.96815	0.00049	4.45	0.96294	0.00053
5.10	0.96879	0.00050	4.90	0.97251	0.00051	4.50	0.96747	0.00052
5.15	0.97207	0.00049	4.95	0.97648	0.00050	4.55	0.97130	0.00052
5.20	0.97566	0.00050	5.00	0.98009	0.00051	4.60	0.97487	0.00051
5.25	0.97955	0.00050	5.05	0.98328	0.00049	4.65	0.97980	0.00054
5.30	0.98367	0.00051	5.10	0.98682	0.00052	4.70	0.98314	0.00051
5.35	0.98658	0.00050	5.15	0.99042	0.00051	4.75	0.98799	0.00052
5.40	0.98987	0.00050	5.20	0.99393	0.00051	4.80	0.99119	0.00053
5.45	0.99277	0.00047	5.25	0.99753	0.00050	4.85	0.99406	0.00050
5.50	0.99604	0.00047	5.30	1.00109	0.00050	4.90	0.99811	0.00052
5.55	0.99933	0.00047	5.35	1.00487	0.00052	4.95	1.00241	0.00050
5.60	1.00343	0.00048	5.40	1.00842	0.00052	5.00	1.00611	0.00051
5.65	1.00585	0.00049						
5.70	1.00946	0.00050						
5.75	1.01321	0.00048						
5.80	1.01523	0.00049						
5.85	1.01871	0.00048						
5.90	1.02092	0.00049						

1500	1700	1900						
3.80	0.92987	0.00055	3.70	0.92973	0.00052	3.60	0.92658	0.00057
3.85	0.93413	0.00053	3.75	0.93374	0.00055	3.65	0.93244	0.00057
3.90	0.93989	0.00055	3.80	0.93907	0.00055	3.70	0.93633	0.00055
3.95	0.94333	0.00054	3.85	0.94439	0.00054	3.75	0.94107	0.00053
4.00	0.94937	0.00055	3.90	0.94974	0.00054	3.80	0.94629	0.00056
4.05	0.95368	0.00052	3.95	0.95376	0.00055	3.85	0.95004	0.00054
4.10	0.95827	0.00053	4.00	0.95837	0.00055	3.90	0.95423	0.00053
4.15	0.96132	0.00054	4.05	0.96269	0.00054	3.95	0.95930	0.00057

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4.20	0.96669	0.00052	4.10	0.96735	0.00054	4.00	0.96412	0.00054
4.25	0.97026	0.00053	4.15	0.97015	0.00056	4.05	0.96760	0.00054
4.30	0.97378	0.00055	4.20	0.97525	0.00055	4.10	0.97246	0.00055
4.35	0.97993	0.00055	4.25	0.97954	0.00055	4.15	0.97672	0.00055
4.40	0.98252	0.00054	4.30	0.98355	0.00054	4.20	0.98130	0.00053
4.45	0.98680	0.00055	4.35	0.98807	0.00056	4.25	0.98557	0.00056
4.50	0.99095	0.00053	4.40	0.99358	0.00055	4.30	0.98909	0.00055
4.55	0.99600	0.00053	4.45	0.99733	0.00054	4.35	0.99335	0.00055
4.60	0.99952	0.00055	4.50	1.00016	0.00054	4.40	0.99796	0.00055
4.65	1.00330	0.00054	4.55	1.00418	0.00056	4.45	1.00178	0.00056
4.70	1.00769	0.00056	4.60	1.00769	0.00056	4.50	1.00495	0.00055

2000	2100	2500						
3.60	0.92898	0.00056	3.60	0.93011	0.00054	3.60	0.93222	0.00057
3.65	0.93433	0.00056	3.65	0.93422	0.00055	3.65	0.93652	0.00057
3.70	0.93812	0.00054	3.70	0.94032	0.00055	3.70	0.94155	0.00057
3.75	0.94294	0.00056	3.75	0.94501	0.00055	3.75	0.94582	0.00055
3.80	0.94764	0.00056	3.80	0.94959	0.00056	3.80	0.95044	0.00057
3.85	0.95201	0.00053	3.85	0.95427	0.00056	3.90	0.95898	0.00056
3.90	0.95676	0.00053	3.90	0.95846	0.00055	3.95	0.96377	0.00058
3.95	0.96119	0.00056	3.95	0.96169	0.00053	4.00	0.96845	0.00056
4.00	0.96515	0.00055	4.00	0.96694	0.00056	4.05	0.97188	0.00056
4.05	0.97004	0.00056	4.05	0.97075	0.00054	4.10	0.97662	0.00056
4.10	0.97484	0.00054	4.10	0.97582	0.00057	4.15	0.98011	0.00055
4.15	0.97885	0.00055	4.15	0.98057	0.00058	4.20	0.98543	0.00055
4.20	0.98280	0.00056	4.20	0.98422	0.00053	4.30	0.99215	0.00055
4.25	0.98691	0.00054	4.25	0.98866	0.00055	4.35	0.99601	0.00055
4.30	0.99155	0.00057	4.30	0.99262	0.00056	4.40	1.00080	0.00058
4.35	0.99570	0.00052	4.35	0.99682	0.00054	4.45	1.00478	0.00056
4.40	1.00053	0.00056	4.40	1.00055	0.00053	4.50	1.00821	0.00056
4.45	1.00289	0.00057	4.45	1.00445	0.00054			
4.50	1.00695	0.00056	4.50	1.00856	0.00056			

3000	4000	5000						
3.70	0.93700	0.00055	3.80	0.92339	0.00058	4.40	0.93319	0.00056
3.75	0.94115	0.00057	3.85	0.92713	0.00054	4.45	0.93593	0.00056
3.80	0.94554	0.00058	3.90	0.93106	0.00056	4.50	0.93971	0.00056
3.85	0.94996	0.00056	3.95	0.93453	0.00054	4.55	0.94159	0.00057
3.90	0.95461	0.00058	4.00	0.93862	0.00057	4.60	0.94545	0.00054
3.95	0.95807	0.00055	4.05	0.94183	0.00056	4.65	0.94762	0.00054
4.00	0.96278	0.00056	4.10	0.94616	0.00057	4.70	0.95119	0.00055
4.05	0.96656	0.00056	4.15	0.94928	0.00056	4.75	0.95352	0.00056
4.10	0.97000	0.00057	4.20	0.95319	0.00056	4.80	0.95721	0.00055
4.15	0.97422	0.00056	4.25	0.95555	0.00057	4.85	0.96038	0.00054
4.20	0.97742	0.00056	4.30	0.96118	0.00056	4.90	0.96222	0.00055
4.25	0.98216	0.00056	4.35	0.96389	0.00055	4.95	0.96407	0.00055
4.30	0.98581	0.00056	4.40	0.96706	0.00056	5.00	0.96768	0.00054
4.35	0.98993	0.00057	4.45	0.97009	0.00058	5.05	0.97037	0.00053
4.40	0.99296	0.00057	4.50	0.97438	0.00055	5.10	0.97370	0.00054
4.45	0.99645	0.00058	4.55	0.97660	0.00056	5.15	0.97623	0.00053
4.50	1.00003	0.00057	4.60	0.98045	0.00056	5.20	0.97828	0.00058
4.55	1.00526	0.00057	4.65	0.98295	0.00056	5.25	0.98054	0.00056
4.60	1.00798	0.00056	4.70	0.98716	0.00059	5.30	0.98304	0.00055

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4.75	0.99017	0.00057
4.80	0.99383	0.00057
4.85	0.99569	0.00058
4.90	0.99978	0.00055
4.95	1.00241	0.00056
5.00	1.00594	0.00057
5.35	0.98595	0.00056
5.40	0.98841	0.00055
5.45	0.99210	0.00055
5.50	0.99325	0.00053
5.55	0.99660	0.00056
5.60	0.99910	0.00053
5.65	1.00089	0.00055
5.70	1.00314	0.00057
5.75	1.00723	0.00054
5.80	1.00911	0.00056

6000	7000	7500
5.20 0.93614 0.00056	6.40 0.93835 0.00051	7.20 0.93833 0.00050
5.30 0.94052 0.00053	6.50 0.94168 0.00049	7.30 0.94188 0.00049
5.40 0.94629 0.00055	6.60 0.94494 0.00051	7.40 0.94447 0.00051
5.50 0.94979 0.00054	6.70 0.94847 0.00051	7.50 0.94704 0.00050
5.60 0.95566 0.00055	6.80 0.95258 0.00051	7.60 0.94903 0.00053
5.70 0.95903 0.00054	6.90 0.95582 0.00052	7.70 0.95241 0.00049
5.80 0.96377 0.00054	7.00 0.95809 0.00052	7.80 0.95508 0.00051
5.90 0.96814 0.00054	7.10 0.96196 0.00052	7.90 0.95758 0.00049
6.00 0.97183 0.00054	7.20 0.96534 0.00050	8.00 0.96051 0.00049
6.10 0.97552 0.00054	7.30 0.96740 0.00053	8.10 0.96267 0.00050
6.20 0.97940 0.00052	7.40 0.97091 0.00053	8.20 0.96418 0.00049
6.30 0.98340 0.00052	7.50 0.97370 0.00050	8.30 0.96717 0.00051
6.40 0.98878 0.00054	7.60 0.97676 0.00055	8.40 0.96906 0.00051
6.50 0.99082 0.00053	7.70 0.97871 0.00050	8.50 0.97264 0.00051
6.60 0.99602 0.00054	7.80 0.98215 0.00054	8.60 0.97394 0.00050
6.70 0.99930 0.00056	7.90 0.98501 0.00052	8.70 0.97678 0.00051
6.80 1.00236 0.00055	8.00 0.98755 0.00051	8.80 0.97931 0.00050
6.90 1.00689 0.00055	8.10 0.99030 0.00051	8.90 0.98193 0.00050
	8.20 0.99231 0.00049	9.00 0.98390 0.00048
	8.30 0.99559 0.00049	9.10 0.98498 0.00050
	8.40 0.99760 0.00051	9.20 0.98754 0.00050
	8.50 1.00089 0.00052	9.30 0.99067 0.00051
	8.60 1.00234 0.00053	9.40 0.99240 0.00050
	8.70 1.00545 0.00053	9.50 0.99374 0.00049
	8.80 1.00770 0.00054	9.60 0.99778 0.00050
	8.90 1.01074 0.00053	9.70 0.99707 0.00052
	9.00 1.01275 0.00050	9.80 0.99917 0.00050
		9.90 1.00218 0.00050
		10.00 1.00394 0.00048
		10.10 1.00540 0.00050
		10.20 1.00879 0.00051

8000	9000	10000
8.00 0.93252 0.00048	10.00 0.91644 0.00045	18.00 0.93259 0.00041
8.20 0.93679 0.00047	10.50 0.92339 0.00045	19.00 0.93682 0.00041
8.40 0.94290 0.00048	11.00 0.93017 0.00045	20.00 0.94282 0.00041
8.60 0.94619 0.00050	11.50 0.93742 0.00047	21.00 0.94787 0.00040
8.80 0.95057 0.00049	12.00 0.94315 0.00046	22.00 0.95150 0.00038
9.00 0.95496 0.00048	12.50 0.94895 0.00045	23.00 0.95523 0.00040
9.20 0.95922 0.00050	13.00 0.95482 0.00045	24.00 0.95975 0.00038
9.40 0.96309 0.00049	13.50 0.96013 0.00044	25.00 0.96222 0.00038

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9.60	0.96714	0.00050	14.00	0.96609	0.00044	26.00	0.96577	0.00039
9.80	0.97066	0.00052	14.50	0.97044	0.00046	27.00	0.96845	0.00038
10.00	0.97389	0.00049	15.00	0.97445	0.00046	28.00	0.97111	0.00036
10.20	0.97726	0.00047	15.50	0.97826	0.00042	29.00	0.97374	0.00038
10.40	0.98065	0.00048	16.00	0.98292	0.00045	30.00	0.97600	0.00037
10.60	0.98497	0.00048	16.50	0.98674	0.00045	31.00	0.97795	0.00038
10.80	0.98788	0.00049	17.00	0.99001	0.00045	32.00	0.98008	0.00037
11.00	0.99085	0.00049	17.50	0.99393	0.00044	33.00	0.98153	0.00037
11.20	0.99413	0.00048	18.00	0.99751	0.00045	34.00	0.98469	0.00038
11.40	0.99659	0.00048	18.50	1.00009	0.00042	35.00	0.98541	0.00035
11.60	1.00007	0.00049	19.00	1.00297	0.00044	36.00	0.98815	0.00036
11.80	1.00290	0.00048	19.50	1.00636	0.00042	37.00	0.98823	0.00035
12.00	1.00612	0.00049	20.00	1.00891	0.00043	38.00	0.99061	0.00037
			20.50	1.01079	0.00043	39.00	0.99160	0.00037
			21.00	1.01468	0.00044	40.00	0.99288	0.00036
			21.50	1.01686	0.00042	41.00	0.99404	0.00036
			22.00	1.01892	0.00042	42.00	0.99475	0.00036
						43.00	0.99636	0.00035
						44.00	0.99707	0.00038
						45.00	0.99843	0.00035
						46.00	0.99883	0.00035
						47.00	0.99951	0.00036
						48.00	1.00073	0.00036
						49.00	1.00111	0.00036
						50.00	1.00161	0.00035
						51.00	1.00323	0.00036
						52.00	1.00316	0.00034

15000			18900		
999.98	0.91668	0.00027	999.98	0.91632	0.00028
999.99	0.91668	0.00027	999.99	0.91632	0.00028

sumtable.u5o2-sp-0013-00								
		20	25	30				
999.98	0.03584	0.00003	999.98	0.04447	0.00004	999.98	0.05318	0.00005
999.99	0.03584	0.00003	999.99	0.04447	0.00004	999.99	0.05318	0.00005
		40	45	50				
999.98	0.06982	0.00006	999.98	0.07796	0.00006	999.98	0.08630	0.00006
999.99	0.06982	0.00006	999.99	0.07796	0.00006	999.99	0.08630	0.00006
		55	60	65				
999.98	0.09410	0.00008	999.98	0.10210	0.00009	999.98	0.10974	0.00009
999.99	0.09410	0.00008	999.99	0.10210	0.00009	999.99	0.10974	0.00009
		70	80	100				
999.98	0.11758	0.00010	999.98	0.13295	0.00011	999.98	0.16226	0.00012
999.99	0.11758	0.00010	999.99	0.13295	0.00011	999.99	0.16226	0.00012
		130	150	170				
999.98	0.20396	0.00017	999.98	0.23034	0.00020	999.98	0.25538	0.00022
999.99	0.20396	0.00017	999.99	0.23034	0.00020	999.99	0.25538	0.00022

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200	350	500
999.98 0.29175 0.00023	999.98 0.44315 0.00041	999.98 0.55985 0.00041
999.99 0.29175 0.00023	999.99 0.44315 0.00041	999.99 0.55985 0.00041
800	1000	1500
999.98 0.72476 0.00057	999.98 0.80292 0.00072	999.98 0.93243 0.00078
999.99 0.72476 0.00057	999.99 0.80292 0.00072	999.99 0.93243 0.00078
1700	1900	2000
999.98 0.96594 0.00090	999.98 0.99375 0.00089	40.00 0.90783 0.00060
999.99 0.96594 0.00090	999.99 0.99375 0.00089	45.00 0.92584 0.00057
		50.00 0.93870 0.00060
		55.00 0.95142 0.00056
		60.00 0.95832 0.00056
		65.00 0.96336 0.00053
		70.00 0.97011 0.00054
		75.00 0.97444 0.00055
		80.00 0.97768 0.00053
		85.00 0.98071 0.00051
		90.00 0.98264 0.00054
		95.00 0.98492 0.00048
		100.00 0.98638 0.00052
		105.00 0.98798 0.00052
		110.00 0.99098 0.00048
		115.00 0.99144 0.00046
		120.00 0.99323 0.00050
		125.00 0.99467 0.00046
		130.00 0.99550 0.00051
		135.00 0.99649 0.00047
		140.00 0.99633 0.00051
		145.00 0.99717 0.00052
		150.00 0.99802 0.00047
		155.00 0.99775 0.00050
		160.00 0.99890 0.00047
		165.00 1.00007 0.00048
		170.00 0.99859 0.00050
		175.00 0.99924 0.00049
		180.00 0.99968 0.00048
		185.00 1.00007 0.00051
		190.00 1.00075 0.00049
		195.00 1.00106 0.00048
		200.00 1.00236 0.00050

2100	2300	2500
40.00 0.91755 0.00065	40.00 0.93304 0.00059	30.00 0.88038 0.00066
42.50 0.92703 0.00054	42.00 0.94037 0.00062	32.00 0.89653 0.00071
45.00 0.93502 0.00065	44.00 0.94721 0.00065	34.00 0.91101 0.00064
47.50 0.94284 0.00059	46.00 0.95513 0.00062	36.00 0.92380 0.00064
50.00 0.95076 0.00057	48.00 0.95993 0.00066	38.00 0.93419 0.00064
52.50 0.95462 0.00056	50.00 0.96447 0.00060	40.00 0.94495 0.00063
55.00 0.96041 0.00056	52.00 0.96984 0.00064	42.00 0.95332 0.00065
57.50 0.96414 0.00058	54.00 0.97469 0.00059	44.00 0.95931 0.00063
60.00 0.96788 0.00054	56.00 0.97882 0.00062	46.00 0.96711 0.00065
62.50 0.97130 0.00058	58.00 0.98220 0.00054	48.00 0.97328 0.00061
65.00 0.97332 0.00052	60.00 0.98411 0.00057	50.00 0.97825 0.00061
67.50 0.97644 0.00057	62.00 0.98690 0.00059	52.00 0.98324 0.00065
70.00 0.98123 0.00055	64.00 0.98880 0.00060	54.00 0.98696 0.00061
72.50 0.98163 0.00055	66.00 0.99269 0.00060	56.00 0.99177 0.00063

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75.00	0.98310	0.00054	68.00	0.99461	0.00059	58.00	0.99484	0.00061
77.50	0.98633	0.00053	70.00	0.99775	0.00055	60.00	0.99935	0.00057
80.00	0.98786	0.00055	72.00	0.99859	0.00054	62.00	1.00031	0.00059
82.50	0.98873	0.00051	74.00	1.00019	0.00052	64.00	1.00439	0.00061
85.00	0.98959	0.00052	76.00	1.00068	0.00057	66.00	1.00662	0.00059
87.50	0.99276	0.00053	78.00	1.00383	0.00055	68.00	1.00810	0.00058
90.00	0.99398	0.00050	80.00	1.00483	0.00055	70.00	1.01122	0.00059
92.50	0.99386	0.00056	82.00	1.00688	0.00056	72.00	1.01242	0.00055
95.00	0.99674	0.00051	84.00	1.00680	0.00055	74.00	1.01326	0.00054
97.50	0.99802	0.00052	86.00	1.00980	0.00052	76.00	1.01514	0.00056
100.00	0.99768	0.00049	88.00	1.00880	0.00053	78.00	1.01753	0.00056
102.50	0.99809	0.00054	90.00	1.01094	0.00055	80.00	1.01964	0.00055
105.00	0.99936	0.00050	92.00	1.01202	0.00054			
107.50	1.00035	0.00052	94.00	1.01318	0.00051			
110.00	1.00075	0.00052	96.00	1.01417	0.00054			
			98.00	1.01483	0.00049			
			100.00	1.01523	0.00056			

2700	3000	3500						
35.00	0.92745	0.00068	33.00	0.92239	0.00073	30.00	0.90101	0.00069
36.00	0.93408	0.00066	34.00	0.92976	0.00074	32.00	0.91919	0.00077
37.00	0.93855	0.00070	35.00	0.93566	0.00071	34.00	0.93650	0.00070
38.00	0.94477	0.00068	36.00	0.94333	0.00065	36.00	0.94853	0.00068
39.00	0.95013	0.00064	37.00	0.94853	0.00066	38.00	0.96119	0.00067
40.00	0.95397	0.00063	38.00	0.95454	0.00063	40.00	0.97098	0.00065
41.00	0.95832	0.00065	39.00	0.95980	0.00067	42.00	0.98010	0.00068
42.00	0.96340	0.00070	40.00	0.96463	0.00068	44.00	0.98844	0.00070
43.00	0.96573	0.00064	41.00	0.96679	0.00069	46.00	0.99650	0.00071
44.00	0.97153	0.00069	42.00	0.97347	0.00069	48.00	1.00170	0.00069
45.00	0.97494	0.00065	43.00	0.97739	0.00065	50.00	1.00880	0.00068
46.00	0.97586	0.00064	44.00	0.98069	0.00067	52.00	1.01304	0.00064
47.00	0.97939	0.00064	45.00	0.98240	0.00063	54.00	1.01661	0.00069
48.00	0.98322	0.00063	46.00	0.98778	0.00065	56.00	1.02044	0.00067
49.00	0.98610	0.00063	47.00	0.98923	0.00067	58.00	1.02466	0.00069
50.00	0.98749	0.00064	48.00	0.99501	0.00066	60.00	1.02933	0.00064
51.00	0.99156	0.00065	49.00	0.99715	0.00063	62.00	1.03183	0.00061
52.00	0.99195	0.00062	50.00	0.99924	0.00065	64.00	1.03523	0.00063
53.00	0.99605	0.00067	51.00	1.00174	0.00067	66.00	1.03725	0.00066
54.00	0.99791	0.00061	52.00	1.00501	0.00063	68.00	1.03914	0.00061
55.00	0.99828	0.00061				70.00	1.04230	0.00063
56.00	1.00076	0.00061						
57.00	1.00387	0.00060						
58.00	1.00762	0.00059						
59.00	1.00712	0.00059						
60.00	1.00642	0.00067						

4000	4500	5000						
30.00	0.89862	0.00079	30.00	0.89078	0.00081	36.00	0.92283	0.00071
31.00	0.90850	0.00074	31.00	0.89672	0.00081	37.00	0.93054	0.00070
32.00	0.91757	0.00075	32.00	0.90869	0.00074	38.00	0.93688	0.00078
33.00	0.92636	0.00074	33.00	0.91524	0.00076	39.00	0.94138	0.00075
34.00	0.93488	0.00072	34.00	0.92224	0.00071	40.00	0.94735	0.00070
35.00	0.94089	0.00071	35.00	0.93357	0.00074	41.00	0.95280	0.00073
36.00	0.94831	0.00077	36.00	0.93771	0.00073	42.00	0.95522	0.00074
37.00	0.95402	0.00072	37.00	0.94627	0.00076	43.00	0.96054	0.00067
38.00	0.96018	0.00073	38.00	0.95097	0.00071	44.00	0.96407	0.00071
39.00	0.96496	0.00072	39.00	0.95527	0.00074	45.00	0.96868	0.00071

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40.00	0.97132	0.00072	40.00	0.96232	0.00073	46.00	0.97177	0.00073
41.00	0.97499	0.00076	41.00	0.96656	0.00073	47.00	0.97647	0.00074
42.00	0.97901	0.00071	42.00	0.97229	0.00073	48.00	0.97787	0.00072
43.00	0.98291	0.00066	43.00	0.97542	0.00072	49.00	0.98150	0.00067
44.00	0.98547	0.00069	44.00	0.97916	0.00069	50.00	0.98516	0.00070
45.00	0.99150	0.00071	45.00	0.98309	0.00070	51.00	0.98991	0.00069
46.00	0.99569	0.00068	46.00	0.98641	0.00073	52.00	0.99209	0.00066
47.00	0.99675	0.00069	47.00	0.98894	0.00073	53.00	0.99197	0.00070
48.00	1.00126	0.00070	48.00	0.99215	0.00071	54.00	0.99524	0.00071
49.00	1.00554	0.00068	49.00	0.99647	0.00067	55.00	0.99658	0.00062
50.00	1.00908	0.00068	50.00	0.99934	0.00068	56.00	0.99980	0.00072
51.00	1.00913	0.00065	51.00	1.00202	0.00067	57.00	1.00025	0.00068
52.00	1.01138	0.00067	52.00	1.00329	0.00072	58.00	1.00439	0.00066
53.00	1.01437	0.00070	53.00	1.00718	0.00068	59.00	1.00566	0.00069
54.00	1.01526	0.00072	54.00	1.00836	0.00071	60.00	1.00731	0.00066
55.00	1.01943	0.00070	55.00	1.00984	0.00068			
56.00	1.02007	0.00067	56.00	1.01184	0.00066			
57.00	1.02337	0.00074	57.00	1.01735	0.00065			
58.00	1.02525	0.00068	58.00	1.01719	0.00070			
59.00	1.02621	0.00072	59.00	1.01786	0.00073			
60.00	1.02741	0.00068	60.00	1.02309	0.00068			
			61.00	1.02103	0.00068			
			62.00	1.02284	0.00070			
			63.00	1.02581	0.00065			
			64.00	1.02885	0.00068			

5500	6000	7000						
40.00	0.92792	0.00069	40.00	0.90356	0.00074	999.98	0.96721	0.00128
42.00	0.93636	0.00077	45.00	0.92445	0.00070	999.99	0.96721	0.00128
44.00	0.94409	0.00077	50.00	0.94199	0.00071			
46.00	0.95246	0.00073	55.00	0.95500	0.00072			
48.00	0.96046	0.00067	60.00	0.96504	0.00068			
50.00	0.96658	0.00071	65.00	0.97346	0.00069			
52.00	0.97268	0.00077	70.00	0.98087	0.00072			
54.00	0.97636	0.00067	75.00	0.98634	0.00068			
56.00	0.98115	0.00075	80.00	0.98931	0.00067			
58.00	0.98581	0.00074	85.00	0.99330	0.00069			
60.00	0.98901	0.00075	90.00	0.99606	0.00070			
62.00	0.99186	0.00072	95.00	0.99845	0.00061			
64.00	0.99454	0.00070	100.00	1.00138	0.00064			
66.00	0.99779	0.00075	105.00	1.00456	0.00065			
68.00	1.00232	0.00071	110.00	1.00690	0.00067			
70.00	1.00384	0.00070	115.00	1.00658	0.00064			
72.00	1.00646	0.00071	120.00	1.00933	0.00064			
74.00	1.00668	0.00069	125.00	1.00969	0.00064			
76.00	1.01016	0.00067	130.00	1.00992	0.00067			
78.00	1.01094	0.00065	135.00	1.01253	0.00064			
80.00	1.01265	0.00068	140.00	1.01376	0.00069			
82.00	1.01489	0.00070						
84.00	1.01773	0.00066						
86.00	1.01657	0.00066						
88.00	1.01896	0.00067						
90.00	1.01987	0.00064						

7500	8000	9000						
999.98	0.92811	0.00127	999.98	0.88540	0.00140	999.98	0.77642	0.00129
999.99	0.92811	0.00127	999.99	0.88540	0.00140	999.99	0.77642	0.00129

10000	15000	18900						
999.98	0.63798	0.00111	999.98	0.47377	0.00076	999.98	0.47299	0.00082
999.99	0.63798	0.00111	999.99	0.47377	0.00076	999.99	0.47299	0.00082

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sumtable.u5o2-sp-0013-01								
		20		25		30		
999.98	0.03584	0.00003	999.98	0.04447	0.00004	999.98	0.05318	0.00005
999.99	0.03584	0.00003	999.99	0.04447	0.00004	999.99	0.05318	0.00005
		40		45		50		
999.98	0.06982	0.00006	999.98	0.07796	0.00006	999.98	0.08630	0.00006
999.99	0.06982	0.00006	999.99	0.07796	0.00006	999.99	0.08630	0.00006
		55		60		65		
999.98	0.09410	0.00008	999.98	0.10210	0.00009	999.98	0.10974	0.00009
999.99	0.09410	0.00008	999.99	0.10210	0.00009	999.99	0.10974	0.00009
		70		80		100		
999.98	0.11758	0.00010	999.98	0.13295	0.00011	999.98	0.16226	0.00012
999.99	0.11758	0.00010	999.99	0.13295	0.00011	999.99	0.16226	0.00012
		130		150		170		
999.98	0.20396	0.00017	999.98	0.23034	0.00020	999.98	0.25538	0.00022
999.99	0.20396	0.00017	999.99	0.23034	0.00020	999.99	0.25538	0.00022
		200		350		500		
999.98	0.29175	0.00023	999.98	0.44315	0.00041	999.98	0.55985	0.00041
999.99	0.29175	0.00023	999.99	0.44315	0.00041	999.99	0.55985	0.00041
		800		1000		1500		
999.98	0.72476	0.00057	999.98	0.80292	0.00072	999.98	0.93243	0.00078
999.99	0.72476	0.00057	999.99	0.80292	0.00072	999.99	0.93243	0.00078
		1700		1900		2000		
999.98	0.96594	0.00090	999.98	0.99375	0.00089	40.00	0.91392	0.00061
999.99	0.96594	0.00090	999.99	0.99375	0.00089	45.00	0.93030	0.00057
						50.00	0.94383	0.00055
						55.00	0.95366	0.00056
						60.00	0.96019	0.00055
						65.00	0.96614	0.00055
						70.00	0.97167	0.00051
						75.00	0.97586	0.00052
						80.00	0.97855	0.00053
						85.00	0.98231	0.00050
						90.00	0.98449	0.00052
						95.00	0.98566	0.00051
						100.00	0.98905	0.00051
						105.00	0.98924	0.00053
						110.00	0.99247	0.00049
						115.00	0.99235	0.00051
						120.00	0.99314	0.00048
						125.00	0.99339	0.00049
						130.00	0.99522	0.00049
						135.00	0.99637	0.00051
						140.00	0.99574	0.00050
						145.00	0.99653	0.00048
						150.00	0.99748	0.00048
						155.00	0.99887	0.00047
						160.00	0.99929	0.00047
						165.00	0.99998	0.00049
						170.00	0.99943	0.00047
						175.00	0.99946	0.00049
						180.00	1.00198	0.00048

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2100	2300	2500
44.00 0.93715 0.00059	30.00 0.88263 0.00061	30.00 0.89377 0.00067
46.00 0.94320 0.00063	32.00 0.89683 0.00066	31.00 0.90289 0.00066
48.00 0.94887 0.00060	34.00 0.91158 0.00067	32.00 0.90953 0.00063
50.00 0.95239 0.00056	36.00 0.92183 0.00063	33.00 0.91644 0.00068
52.00 0.95615 0.00056	38.00 0.93150 0.00058	34.00 0.92134 0.00064
54.00 0.96065 0.00057	40.00 0.93931 0.00065	35.00 0.92800 0.00065
56.00 0.96484 0.00054	42.00 0.94696 0.00061	36.00 0.93275 0.00066
58.00 0.96692 0.00055	44.00 0.95305 0.00060	37.00 0.93675 0.00064
60.00 0.97021 0.00056	46.00 0.96008 0.00059	38.00 0.94456 0.00062
62.00 0.97234 0.00054	48.00 0.96415 0.00058	39.00 0.94879 0.00065
64.00 0.97695 0.00055	50.00 0.97013 0.00057	40.00 0.95314 0.00059
66.00 0.97992 0.00054	52.00 0.97263 0.00058	41.00 0.95522 0.00066
68.00 0.98098 0.00056	54.00 0.97714 0.00060	42.00 0.95943 0.00066
70.00 0.97994 0.00052	56.00 0.98020 0.00057	43.00 0.96200 0.00060
72.00 0.98324 0.00053	58.00 0.98497 0.00062	44.00 0.96521 0.00067
74.00 0.98445 0.00052	60.00 0.98688 0.00061	45.00 0.96898 0.00062
76.00 0.98622 0.00056	62.00 0.98855 0.00056	46.00 0.97190 0.00060
78.00 0.98963 0.00054	64.00 0.99158 0.00060	47.00 0.97588 0.00060
80.00 0.98971 0.00054	66.00 0.99395 0.00056	48.00 0.97679 0.00062
82.00 0.98928 0.00053	68.00 0.99771 0.00056	49.00 0.97905 0.00062
84.00 0.99223 0.00056	70.00 1.00023 0.00057	50.00 0.98293 0.00062
86.00 0.99288 0.00051	72.00 1.00093 0.00057	51.00 0.98474 0.00059
88.00 0.99232 0.00054	74.00 1.00251 0.00057	52.00 0.98696 0.00060
90.00 0.99459 0.00048	76.00 1.00339 0.00057	53.00 0.98790 0.00054
92.00 0.99526 0.00053	78.00 1.00516 0.00057	54.00 0.99081 0.00063
94.00 0.99704 0.00057	80.00 1.00745 0.00058	55.00 0.99326 0.00060
96.00 0.99638 0.00049		56.00 0.99427 0.00056
98.00 0.99675 0.00048		57.00 0.99695 0.00058
100.00 0.99858 0.00052		58.00 0.99759 0.00061
102.00 1.00153 0.00052		59.00 0.99875 0.00058
104.00 0.99977 0.00051		60.00 0.99965 0.00059
106.00 1.00085 0.00052		61.00 1.00199 0.00057
108.00 1.00123 0.00048		62.00 1.00297 0.00056
110.00 1.00190 0.00049		63.00 1.00453 0.00057
112.00 1.00169 0.00052		
114.00 1.00127 0.00048		
116.00 1.00463 0.00052		
118.00 1.00334 0.00050		
120.00 1.00335 0.00049		

2700	3000	3500
30.00 0.90438 0.00068	30.00 0.91295 0.00072	32.00 0.93493 0.00077
31.00 0.91065 0.00070	31.00 0.92052 0.00069	32.50 0.93757 0.00072
32.00 0.91945 0.00066	32.00 0.92697 0.00067	33.00 0.94077 0.00069
33.00 0.92663 0.00066	33.00 0.93576 0.00071	33.50 0.94473 0.00072
34.00 0.93155 0.00068	34.00 0.94046 0.00069	34.00 0.94724 0.00072
35.00 0.93652 0.00068	35.00 0.94665 0.00068	34.50 0.95024 0.00064
36.00 0.94162 0.00067	36.00 0.95428 0.00065	35.00 0.95533 0.00073
37.00 0.94870 0.00065	37.00 0.95712 0.00066	35.50 0.95515 0.00073
38.00 0.95315 0.00062	38.00 0.96247 0.00069	36.00 0.95945 0.00074
39.00 0.95744 0.00067	39.00 0.96807 0.00068	36.50 0.96298 0.00070
40.00 0.96148 0.00062	40.00 0.97221 0.00066	37.00 0.96506 0.00067
41.00 0.96640 0.00063	41.00 0.97718 0.00057	37.50 0.96583 0.00067
42.00 0.97089 0.00065	42.00 0.97854 0.00067	38.00 0.97076 0.00073
43.00 0.97268 0.00067	43.00 0.98292 0.00060	38.50 0.97235 0.00071
44.00 0.97604 0.00063	44.00 0.98866 0.00068	39.00 0.97477 0.00067
45.00 0.97773 0.00062	45.00 0.99112 0.00067	39.50 0.97735 0.00069

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46.00	0.98247	0.00064	46.00	0.99226	0.00066	40.00	0.97977	0.00070
47.00	0.98464	0.00058	47.00	0.99400	0.00063	40.50	0.98138	0.00071
48.00	0.98740	0.00059	48.00	0.99868	0.00063	41.00	0.98351	0.00067
49.00	0.99028	0.00064	49.00	1.00039	0.00068	41.50	0.98564	0.00076
50.00	0.99320	0.00060	50.00	1.00283	0.00066	42.00	0.98655	0.00073
51.00	0.99599	0.00060				42.50	0.98840	0.00067
52.00	0.99476	0.00059				43.00	0.99082	0.00065
53.00	0.99954	0.00060				43.50	0.99140	0.00069
54.00	1.00032	0.00061				44.00	0.99480	0.00069
						44.50	0.99579	0.00070
						45.00	0.99807	0.00070
						45.50	1.00056	0.00065
						46.00	1.00033	0.00066
						46.50	1.00204	0.00068
						47.00	1.00368	0.00068
						47.50	1.00570	0.00066
						48.00	1.00535	0.00067
						48.50	1.00802	0.00068
						49.00	1.00865	0.00065
						49.50	1.01125	0.00069
						50.00	1.01180	0.00062

4000	4500	5000						
32.00	0.93165	0.00070	30.00	0.90771	0.00078	35.00	0.92985	0.00070
33.00	0.93933	0.00070	31.00	0.91386	0.00076	36.00	0.93658	0.00070
34.00	0.94650	0.00072	32.00	0.92508	0.00072	37.00	0.94042	0.00074
35.00	0.95223	0.00074	33.00	0.92975	0.00074	38.00	0.94664	0.00066
36.00	0.95902	0.00071	34.00	0.93695	0.00075	39.00	0.95156	0.00071
37.00	0.96302	0.00073	35.00	0.94421	0.00073	40.00	0.95575	0.00075
38.00	0.96704	0.00072	36.00	0.94715	0.00074	41.00	0.95994	0.00074
39.00	0.97266	0.00078	37.00	0.95371	0.00072	42.00	0.96439	0.00070
40.00	0.97904	0.00071	38.00	0.96221	0.00075	43.00	0.96806	0.00071
41.00	0.98161	0.00065	39.00	0.96504	0.00071	44.00	0.97265	0.00072
42.00	0.98761	0.00070	40.00	0.97111	0.00071	45.00	0.97280	0.00071
43.00	0.99056	0.00070	41.00	0.97498	0.00067	46.00	0.97930	0.00070
44.00	0.99259	0.00066	42.00	0.97860	0.00071	47.00	0.98044	0.00074
45.00	0.99700	0.00070	43.00	0.98263	0.00072	48.00	0.98375	0.00074
46.00	1.00162	0.00069	44.00	0.98532	0.00071	49.00	0.98738	0.00072
47.00	1.00261	0.00068	45.00	0.98932	0.00069	50.00	0.99079	0.00067
48.00	1.00575	0.00069	46.00	0.99253	0.00068	51.00	0.99192	0.00068
49.00	1.00894	0.00070	47.00	0.99596	0.00070	52.00	0.99493	0.00076
50.00	1.01106	0.00071	48.00	0.99818	0.00070	53.00	0.99497	0.00067
51.00	1.01218	0.00072	49.00	1.00113	0.00069	54.00	0.99953	0.00071
52.00	1.01656	0.00067	50.00	1.00287	0.00069	55.00	1.00191	0.00069
53.00	1.01808	0.00069				56.00	1.00232	0.00066
54.00	1.01848	0.00067				57.00	1.00520	0.00064
55.00	1.02222	0.00063				58.00	1.00609	0.00069
56.00	1.02358	0.00069				59.00	1.00954	0.00067
57.00	1.02529	0.00066				60.00	1.01150	0.00066
58.00	1.02891	0.00067						
59.00	1.03131	0.00064						
60.00	1.03112	0.00066						

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5500	6000	7000
37.00 0.92061 0.00068	40.00 0.91328 0.00074	999.98 0.96721 0.00128
38.00 0.92785 0.00071	42.50 0.92274 0.00073	999.99 0.96721 0.00128
39.00 0.93190 0.00076	45.00 0.93245 0.00073	
40.00 0.93632 0.00073	47.50 0.94251 0.00073	
41.00 0.94188 0.00066	50.00 0.94775 0.00068	
42.00 0.94544 0.00073	52.50 0.95556 0.00067	
43.00 0.94953 0.00068	55.00 0.96038 0.00067	
44.00 0.95269 0.00076	57.50 0.96582 0.00067	
45.00 0.95776 0.00071	60.00 0.96977 0.00075	
46.00 0.96085 0.00072	62.50 0.97288 0.00072	
47.00 0.96241 0.00071	65.00 0.97693 0.00072	
48.00 0.96559 0.00069	67.50 0.97846 0.00065	
49.00 0.97028 0.00068	70.00 0.98307 0.00068	
50.00 0.97212 0.00068	72.50 0.98552 0.00072	
51.00 0.97404 0.00069	75.00 0.99003 0.00069	
52.00 0.97727 0.00068	77.50 0.98960 0.00070	
53.00 0.97783 0.00070	80.00 0.99040 0.00064	
54.00 0.98066 0.00069	82.50 0.99336 0.00068	
55.00 0.98297 0.00076	85.00 0.99457 0.00061	
56.00 0.98632 0.00068	87.50 0.99493 0.00068	
57.00 0.98682 0.00069	90.00 0.99860 0.00065	
58.00 0.98772 0.00071	92.50 0.99928 0.00065	
59.00 0.98977 0.00069	95.00 1.00090 0.00066	
60.00 0.99205 0.00072	97.50 1.00067 0.00067	
61.00 0.99304 0.00070	100.00 1.00108 0.00063	
62.00 0.99628 0.00067	102.50 1.00447 0.00066	
63.00 0.99652 0.00071	105.00 1.00410 0.00065	
64.00 0.99868 0.00068	107.50 1.00619 0.00066	
65.00 1.00078 0.00073	110.00 1.00646 0.00067	
66.00 1.00136 0.00074	112.50 1.00525 0.00065	
67.00 1.00191 0.00072	115.00 1.00809 0.00066	
68.00 1.00410 0.00068	117.50 1.00765 0.00066	
69.00 1.00549 0.00068	120.00 1.00919 0.00069	
70.00 1.00594 0.00072		

7500	8000	9000
999.98 0.92811 0.00127	999.98 0.88540 0.00140	999.98 0.77642 0.00129
999.99 0.92811 0.00127	999.99 0.88540 0.00140	999.99 0.77642 0.00129

10000	15000	18900
999.98 0.63798 0.00111	999.98 0.47377 0.00076	999.98 0.47299 0.00082
999.99 0.63798 0.00111	999.99 0.47377 0.00076	999.99 0.47299 0.00082

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sumtable.u5o2-sp-0013-10								
	20		25		30			
999.98	0.03584	0.00003	999.98	0.04447	0.00004	999.98	0.05318	0.00005
999.99	0.03584	0.00003	999.99	0.04447	0.00004	999.99	0.05318	0.00005
	40		45		50			
999.98	0.06982	0.00006	999.98	0.07796	0.00006	999.98	0.08630	0.00006
999.99	0.06982	0.00006	999.99	0.07796	0.00006	999.99	0.08630	0.00006
	55		60		65			
999.98	0.09410	0.00008	999.98	0.10210	0.00009	999.98	0.10974	0.00009
999.99	0.09410	0.00008	999.99	0.10210	0.00009	999.99	0.10974	0.00009
	70		80		100			
999.98	0.11758	0.00010	999.98	0.13295	0.00011	999.98	0.16226	0.00012
999.99	0.11758	0.00010	999.99	0.13295	0.00011	999.99	0.16226	0.00012
	130		150		170			
999.98	0.20396	0.00017	999.98	0.23034	0.00020	999.98	0.25538	0.00022
999.99	0.20396	0.00017	999.99	0.23034	0.00020	999.99	0.25538	0.00022
	200		350		500			
999.98	0.29175	0.00023	999.98	0.44315	0.00041	999.98	0.55985	0.00041
999.99	0.29175	0.00023	999.99	0.44315	0.00041	999.99	0.55985	0.00041
	800		1000		1500			
999.98	0.72476	0.00057	999.98	0.80292	0.00072	999.98	0.93243	0.00078
999.99	0.72476	0.00057	999.99	0.80292	0.00072	999.99	0.93243	0.00078
	1700		1900		2000			
999.98	0.96594	0.00090	999.98	0.99375	0.00089	40.00	0.91953	0.00056
999.99	0.96594	0.00090	999.99	0.99375	0.00089	50.00	0.94563	0.00053
					60.00	0.96111	0.00052	
					70.00	0.97368	0.00052	
					80.00	0.97883	0.00053	
					90.00	0.98509	0.00050	
					100.00	0.98963	0.00050	
					110.00	0.99118	0.00050	
					120.00	0.99277	0.00049	
					130.00	0.99475	0.00046	
					140.00	0.99630	0.00047	
					150.00	0.99755	0.00048	
					160.00	0.99800	0.00048	
					170.00	0.99897	0.00048	
					180.00	0.99954	0.00047	
					190.00	1.00018	0.00048	
					200.00	1.00065	0.00050	
					210.00	1.00168	0.00046	
					220.00	1.00185	0.00048	
					230.00	1.00269	0.00048	
					240.00	1.00280	0.00047	

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2100	2300	2500
40.00 0.92956 0.00058	38.00 0.93717 0.00057	30.00 0.90516 0.00065
42.50 0.93652 0.00059	40.00 0.94361 0.00060	31.00 0.91327 0.00063
45.00 0.94308 0.00056	42.00 0.95242 0.00060	32.00 0.91803 0.00067
47.50 0.95140 0.00054	44.00 0.95761 0.00061	33.00 0.92508 0.00063
50.00 0.95706 0.00057	46.00 0.96361 0.00061	34.00 0.93210 0.00062
52.50 0.96163 0.00057	48.00 0.96753 0.00061	35.00 0.93739 0.00069
55.00 0.96308 0.00051	50.00 0.97299 0.00059	36.00 0.93996 0.00062
57.50 0.96816 0.00053	52.00 0.97773 0.00061	37.00 0.94576 0.00061
60.00 0.97226 0.00056	54.00 0.98006 0.00058	38.00 0.94912 0.00063
62.50 0.97438 0.00057	56.00 0.98300 0.00057	39.00 0.95347 0.00061
65.00 0.97761 0.00051	58.00 0.98674 0.00058	40.00 0.95708 0.00067
67.50 0.98027 0.00056	60.00 0.98926 0.00054	41.00 0.96286 0.00063
70.00 0.98341 0.00054	62.00 0.99238 0.00055	42.00 0.96392 0.00062
72.50 0.98418 0.00053	64.00 0.99389 0.00055	43.00 0.96681 0.00062
75.00 0.98646 0.00054	66.00 0.99667 0.00058	44.00 0.97071 0.00062
77.50 0.98860 0.00052	68.00 0.99809 0.00056	45.00 0.97413 0.00060
80.00 0.99026 0.00049	70.00 0.99919 0.00058	46.00 0.97640 0.00060
82.50 0.99244 0.00051	72.00 1.00053 0.00056	47.00 0.97966 0.00059
85.00 0.99274 0.00053	74.00 1.00317 0.00060	48.00 0.98315 0.00059
87.50 0.99427 0.00050	76.00 1.00299 0.00055	49.00 0.98534 0.00058
90.00 0.99427 0.00053	78.00 1.00528 0.00053	50.00 0.98410 0.00064
92.50 0.99589 0.00053	80.00 1.00710 0.00053	51.00 0.98766 0.00058
95.00 0.99807 0.00053	82.00 1.00873 0.00054	52.00 0.98975 0.00058
97.50 0.99750 0.00055		53.00 0.99120 0.00056
100.00 0.99916 0.00053		54.00 0.99329 0.00059
102.50 0.99921 0.00052		55.00 0.99576 0.00056
105.00 1.00115 0.00048		56.00 0.99592 0.00059
107.50 1.00140 0.00049		57.00 1.00091 0.00057
110.00 1.00207 0.00052		58.00 0.99852 0.00058
112.50 1.00134 0.00054		59.00 1.00146 0.00058
115.00 1.00394 0.00050		60.00 1.00321 0.00057
117.50 1.00398 0.00050		
120.00 1.00403 0.00049		

2700	3000	3500
30.00 0.91650 0.00070	30.00 0.92462 0.00070	20.00 0.81892 0.00072
31.00 0.92243 0.00064	31.00 0.93212 0.00065	22.00 0.84892 0.00070
32.00 0.92919 0.00065	32.00 0.93907 0.00069	24.00 0.87413 0.00069
33.00 0.93445 0.00066	33.00 0.94504 0.00067	26.00 0.89635 0.00074
34.00 0.94006 0.00063	34.00 0.95124 0.00067	28.00 0.91599 0.00069
35.00 0.94582 0.00065	35.00 0.95567 0.00068	30.00 0.93161 0.00072
36.00 0.95075 0.00064	36.00 0.96066 0.00066	32.00 0.94652 0.00069
37.00 0.95495 0.00061	37.00 0.96608 0.00066	34.00 0.95892 0.00071
38.00 0.95905 0.00066	38.00 0.97009 0.00063	36.00 0.96918 0.00068
39.00 0.96258 0.00061	39.00 0.97442 0.00062	38.00 0.97789 0.00070
40.00 0.96667 0.00060	40.00 0.97730 0.00067	40.00 0.98758 0.00064
41.00 0.97023 0.00065	41.00 0.98038 0.00069	42.00 0.99379 0.00066
42.00 0.97525 0.00058	42.00 0.98688 0.00059	44.00 0.99839 0.00064
43.00 0.97782 0.00063	43.00 0.98864 0.00063	46.00 1.00594 0.00067
44.00 0.98061 0.00061	44.00 0.99107 0.00063	48.00 1.01232 0.00067
45.00 0.98320 0.00063	45.00 0.99364 0.00063	50.00 1.01709 0.00064
46.00 0.98634 0.00062	46.00 0.99849 0.00063	52.00 1.01968 0.00059
47.00 0.98826 0.00061	47.00 0.99973 0.00061	54.00 1.02567 0.00066
48.00 0.99031 0.00057	48.00 1.00354 0.00063	56.00 1.02710 0.00067
49.00 0.99266 0.00064	49.00 1.00430 0.00059	58.00 1.03140 0.00064
50.00 0.99592 0.00063	50.00 1.00600 0.00058	60.00 1.03268 0.00068
51.00 0.99911 0.00062	51.00 1.00903 0.00060	62.00 1.03583 0.00066
52.00 1.00048 0.00061		64.00 1.03833 0.00064
53.00 1.00273 0.00059		66.00 1.04178 0.00067

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68.00	1.04295	0.00062
70.00	1.04516	0.00063
72.00	1.04718	0.00064
74.00	1.04824	0.00062
76.00	1.05054	0.00063
78.00	1.05245	0.00063
80.00	1.05265	0.00065

4000	4500	5000
29.00 0.92434 0.00067	30.00 0.92305 0.00067	30.00 0.91004 0.00072
29.50 0.92752 0.00078	31.00 0.92901 0.00074	31.00 0.91686 0.00069
30.00 0.93075 0.00068	32.00 0.93636 0.00075	32.00 0.92374 0.00067
30.50 0.93529 0.00070	33.00 0.94350 0.00070	33.00 0.93022 0.00071
31.00 0.94053 0.00068	34.00 0.95049 0.00071	34.00 0.93681 0.00069
31.50 0.94187 0.00070	35.00 0.95631 0.00077	35.00 0.94108 0.00071
32.00 0.94565 0.00071	36.00 0.95917 0.00074	36.00 0.94703 0.00070
32.50 0.94750 0.00071	37.00 0.96419 0.00070	37.00 0.95144 0.00075
33.00 0.95252 0.00074	38.00 0.96963 0.00074	38.00 0.95851 0.00071
33.50 0.95521 0.00076	39.00 0.97497 0.00070	39.00 0.96077 0.00078
34.00 0.95672 0.00072	40.00 0.97870 0.00069	40.00 0.96588 0.00067
34.50 0.96130 0.00066	41.00 0.98154 0.00071	41.00 0.96923 0.00068
35.00 0.96166 0.00069	42.00 0.98500 0.00071	42.00 0.97195 0.00072
35.50 0.96652 0.00070	43.00 0.98949 0.00068	43.00 0.97705 0.00067
36.00 0.96724 0.00070	44.00 0.99251 0.00068	44.00 0.97959 0.00073
36.50 0.97165 0.00071	45.00 0.99531 0.00065	45.00 0.98202 0.00069
37.00 0.97202 0.00065	46.00 0.99942 0.00067	46.00 0.98519 0.00069
37.50 0.97535 0.00069	47.00 1.00064 0.00063	47.00 0.98754 0.00070
38.00 0.97858 0.00065	48.00 1.00545 0.00063	48.00 0.99006 0.00068
38.50 0.98063 0.00065	49.00 1.00502 0.00066	49.00 0.99204 0.00071
39.00 0.98134 0.00067	50.00 1.00946 0.00067	50.00 0.99527 0.00074
39.50 0.98574 0.00067		51.00 0.99897 0.00072
40.00 0.98584 0.00070		52.00 0.99971 0.00063
40.50 0.98828 0.00069		53.00 1.00059 0.00066
41.00 0.99181 0.00067		54.00 1.00370 0.00069
41.50 0.99062 0.00067		55.00 1.00489 0.00070
42.00 0.99269 0.00070		56.00 1.00701 0.00071
42.50 0.99410 0.00068		57.00 1.00864 0.00069
43.00 0.99657 0.00067		58.00 1.00981 0.00065
43.50 0.99867 0.00071		59.00 1.01250 0.00067
44.00 0.99982 0.00069		60.00 1.01351 0.00068
44.50 0.99992 0.00067		
45.00 1.00280 0.00069		

5500	6000	7000
30.00 0.89187 0.00073	40.00 0.92489 0.00076	999.98 0.96721 0.00128
32.00 0.90530 0.00077	42.50 0.93410 0.00069	999.99 0.96721 0.00128
34.00 0.91649 0.00072	45.00 0.94228 0.00070	
36.00 0.92915 0.00072	47.50 0.94757 0.00067	
38.00 0.93731 0.00067	50.00 0.95402 0.00067	
40.00 0.94539 0.00071	52.50 0.96063 0.00072	
42.00 0.95435 0.00069	55.00 0.96606 0.00073	
44.00 0.96281 0.00065	57.50 0.96938 0.00072	
46.00 0.96714 0.00069	60.00 0.97346 0.00070	

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48.00	0.97278	0.00068	62.50	0.97792	0.00069
50.00	0.97611	0.00071	65.00	0.98104	0.00064
52.00	0.98102	0.00073	67.50	0.98247	0.00068
54.00	0.98582	0.00067	70.00	0.98474	0.00063
56.00	0.99051	0.00067	72.50	0.98953	0.00070
58.00	0.99465	0.00068	75.00	0.98763	0.00068
60.00	0.99515	0.00072	77.50	0.98925	0.00066
62.00	0.99788	0.00066	80.00	0.99256	0.00072
64.00	1.00068	0.00066	82.50	0.99676	0.00066
66.00	1.00310	0.00067	85.00	0.99730	0.00064
68.00	1.00643	0.00073	87.50	0.99844	0.00067
70.00	1.00750	0.00071	90.00	0.99966	0.00069
			92.50	0.99965	0.00065
			95.00	1.00112	0.00069
			97.50	1.00255	0.00067
			100.00	1.00262	0.00067
			102.50	1.00322	0.00063
			105.00	1.00555	0.00064
			107.50	1.00646	0.00065
			110.00	1.00631	0.00067

	7500		8000		9000			
999.98	0.92811	0.00127	999.98	0.88540	0.00140	999.98	0.77642	0.00129
999.99	0.92811	0.00127	999.99	0.88540	0.00140	999.99	0.77642	0.00129

	10000		15000		18900			
999.98	0.63798	0.00111	999.98	0.47377	0.00076	999.96	0.47299	0.00082
999.99	0.63798	0.00111	999.99	0.47377	0.00076	999.97	0.47299	0.00082
						999.98	0.47299	0.00082
						999.99	0.47299	0.00082