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June 2018

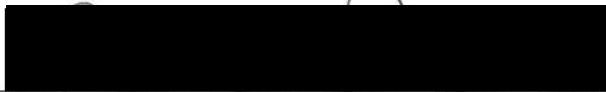
The Effect of Indirect Bonding Tray Materials on Light Transmission and Degree of Conversion

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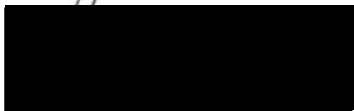


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**The Effect of Indirect Bonding Tray Materials on Light Transmission and
Degree of Conversion**

A THESIS

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In Partial Fulfillment

Of the Requirements

For the Degree of

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By

Christina Lilli, D.M.D.

San Antonio, TX

June 30, 2018

The views expressed in this study are those of the author and do not reflect the official policy of the United States Air Force, the Department of Defense, or the United States Government. The author does not have any financial interest in the companies whose materials are discussed in this article.

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DEDICATION

I would first like to dedicate this thesis to incredible husband, Rusty Maben. He has agreed to through my journey in Orthodontics and sacrificed much of himself to do so. He has been the best thing that has ever happened to me and I couldn't have done any of this without his support and understanding. He also is responsible for some of the photography of this paper and was by my side during countless hours in the lab.

I'd also like to dedicate this thesis to my family. My parents, Charles and Sheryl Lilli and my amazing sister, Dana Lilli. I wouldn't be where I am today without the influence of my family and the love and support I've received from them my entire life. They have each guided me and have been my mentors in their own way and I feel incredibly fortunate to have been blessed with such an amazing family.

Lastly, I would like to dedicate this to my second family, Ken, Cyndy, and Lauri Maben. They have been incredibly supportive throughout this journey and have even let me take their son with me throughout this adventure as a military orthodontist travelling throughout the depths of the world. I will be forever grateful to them for being so amazing every step of the way.

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I'd also like to thank Dan Sierra, our school's steriolithographer. He patiently and generously assisted with the generation of the jigs used in this experiment. This would not have been possible without him.

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ABSTRACT

Purpose: The purpose of this study was to determine whether varying thicknesses of a transfer-tray material employed in the indirect orthodontic bonding technique have an effect on the light transmission and degree of conversion of polymeric-based composite, and specifically to measure the degree of conversion of three commercially available tray materials as a function of thickness and curing time.

Methods: Three transfer-tray materials (Star VPS, Emiluma/Lumaloc, and Biocryl/Bioplast) were evaluated. Light transmission was tested using an integrating sphere (Labsphere) to obtain the attenuation coefficients for Star VPS and Emiluma/Lumaloc materials. The effect of tray materials on curing polymeric-based composite was determined by measuring the degree of conversion of a 1.5 mm flowable composite (Revolution, Kerr) after curing through varying thicknesses of tray material per brand, using a Fourier Transform Infrared Attenuated Total Reflection spectrometer (FTIR-ATR, Spotlight-400). The control group was the degree of conversion cured through varying distances/thicknesses of air without the presence of any tray material. Each composite sample per unique thickness of a tray material per brand was scanned uncured and then cured at 10, 20, and 30 seconds. The materials, their thicknesses, and length of curing times were then compared to see how these factors affected the degree of conversion.

Results: Star VPS has a statistically significant lower attenuation coefficient than Emiluma/Lumaloc. Comparing the three transfer-tray materials, the degree of conversion for curing through Biocryl/Bioplast had about 8% less polymerization than curing through the other tray materials. The degree of conversion of the

composite after curing through Star VPS and Emiluma/Lumaloc was similar to the degree of conversion of the composite after curing through air. Under the curing times of 10, 20, and 30s, the degree of conversion for the flowable composite was independent of the maximum transfer-tray thickness that was evaluated. However, irrespective of the transfer-tray thickness, the degree of conversion was dependent on the length of the curing time in which curing for 10 seconds yielded about 6% and 8% less degree of cure than curing for 20 and 30 seconds respectively.

Conclusions: Amongst Biocryl/Bioplast, Star VPS, and Emiluma/Lumaloc at any thickness up to 6 mm, they produced similar degrees of conversion. In general, prolonging the curing time through any tray material equates to an overall increase in degree of conversion. Although curing for 30 seconds rather than 10 seconds was statistically significant and produced about 8% higher degree of conversion, more studies will need to be conducted for determining the significance between degree of conversion and bond strength.

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I. INTRODUCTION

History of Indirect Bonding

Besides patient comfort and satisfaction, treatment efficiency is another important aspect that has shown to have a direct impact in building a successful orthodontic practice.¹ Decreasing chair time is not only more comfortable for the patient, but it allows more patients to be seen daily. Placing brackets on patients directly has been the most time consuming and technique sensitive part of orthodontic treatment since its introduction by Newman in 1964.^{2, 3} This direct bonding technique involves placing the individual brackets on the teeth intraorally with the patient in the chair and, depending on the provider, could potentially add an extra hour to the appointment time. This process is further complicated by the intraoral environment and obstructed views created by the cheeks and tongue.⁴ Proper bracket placement on each tooth is the most important clinical step in setting the patient up for success because it allows the prescription to be expressed accurately, ensuring that each tooth position will. yield optimum occlusion and esthetics.

Indirect bonding is a method where this specific bracket placement is done in the laboratory and involves placing brackets on stone casts with an adhesive that will later serve as a custom base for each tooth.⁵ Custom bases are typically created with some sort of bulk composite material that are filled into the mesh on the back of the bracket and then pressed onto the stone models where the excess is expressed and removed. This base will take the form of the tooth in the appropriate mesial-distal, inciso-gingival position.⁵ A custom tray is then made

from the models capturing the brackets and their appropriate position. An adhesive is then applied to the custom base of each bracket in the tray and then delivered to the mouth, transferring the brackets to the teeth one arch at a time. This method offers the provider a dry environment with unobstructed views of the teeth so brackets can be placed precisely and accurately without the threat of contamination from the intraoral environment. Though it involves lab work, it ultimately saves time chairside, allows for more efficient appointments, and improves patient satisfaction. ⁶

The concept of indirect bonding was first described by Silverman and Cohen in 1972 when they experimented with various adhesives, which include sugar daddies and bisGMAs, to bond plastic brackets to stone casts.⁷ About 5 years later, Thomas came up with the idea of creating a custom composite base and then using a flexible transfer tray to carry the brackets to the mouth along with a two-part liquid sealant to bond them to the teeth. ^{2, 8} Over the years, this method has evolved continuously with clinicians experimenting with different materials for each step. ⁹ To this day, the method can still be altered by modifying the material to make the custom base, the transfer tray to deliver the brackets, and the adhesive to adhere the brackets to the teeth. ⁵

Bonding Materials

Indirect bonding has typically been done with either auto-cure or light-cure composites. ^{9,10} Auto-cure composites were first used; however, their shortcoming was their limited “working time” window. Often, practitioners were pressured by the time constraints associated with physically mixing the two materials together,

which could be further delayed by the need to ensure that there were still adequate time for placing a bracket precisely and cleaning the excess.⁵ Light cured composites were discussed originally by Silverman and Cohen in 1972, but they didn't become popular until Hamula advocated for them in 1991.⁷ The different advantages included extended working time for positioning the bracket and less bracket drift on casts.⁸ There was also no need for mixing, minimal oxygen inhibition, and consistent handling characteristics. Furthermore, light cured composite-based adhesives have been shown to have a stronger bond and higher initial degree of conversion than self-curing adhesives.¹¹ In 1998, Read and Pearson¹² described a method using both light cured sealant and custom bases to attach brackets to the teeth, which became a standard for indirect bonding.¹²

Polymerization of Light-cured Adhesives

Obtaining adequate bond strength between the bracket and enamel is the essential goal in orthodontics. The bond must be strong enough to withstand mastication but weak enough to prevent damage to enamel upon bracket removal. The most commonly used resin adhesives in orthodontics are dyacrylate resins which are composed primarily of bisphenol A glycidyl dimethacrylate (Bis-GMA) and trethylene glycol dimethacrylate (TEGDMA) monomers.¹² This adhesive bond is achieved through the polymerization of monomers into polymers.¹³ Most light-activated composites have an initiator system composed of camphorquinone (CPQ). Upon absorption of light at the blue wavelength range, the carbonyl group of the CPQ turns into a high energy radical. This high energy radical is then attached to an amine co-initiator to encourage the polymerization of resin

monomers more efficiently. For most light-activated composites, the photoinitiator is activated by light wavelengths between 410 and 500nm peaking at 469.¹³ The degree of polymerization is ultimately dependent on the number of photons, their wavelengths, and exposure times. Furthermore, the efficiency of a light curing unit is influenced by factors like radiant exposure, irradiance, and the emission spectrum of the light source, which has to match the absorption spectrum of the photoinitiator. Radiant exposure is defined as the irradiance of a surface integrated over time of exposure, and irradiance is defined as the incident of photonic energy per unit time on a known surface area.¹³ If insufficient irradiance was provided to the resin, the physical properties of the resin will be ultimately compromised, which may potentially lead to weaker bond strength.¹⁰

Curing Lights

In dentistry, there have been multiple design improvements in dental light curing units to maximize efficiency by providing greater irradiance and lesser heat outputs. Ultra Violet (UV) light was the first to be used for dental resin-based polymerization; however, it proved undesirable due to its extensive curing time, excessive heat outputs, and the harmful effects of the UV rays. Visible light curing units then followed. The blue spectrum of visible light provided the appropriate emission spectrum (469 nm wavelength) for activating CPQ and therefore the rest of the colors were filtered out.^{13, 14}

Halogen curing lights were the most commonly used curing light for years.¹⁵ In this system, as an electrical current is passed through a tungsten filament, the resistance causes the photons to emit a broad spectrum of light with about 1% in

the appropriate range for photoinitiation in the blue spectrum.¹⁵ Though this light has the ability to polymerize, it has numerous disadvantages. It is extremely inefficient with the energy it produces, it gives off too much heat and degrades quickly over time as a unit with a limited effective lifetime of approximately 100 hours. Degradation of these lights can lead to inadequate light curing unbeknownst to the operator leading to under-cured composite restorations or bracket bonds.¹⁵

In the 80s, laser and plasma lights were attempted in an effort to increase curing and energy efficiency. Some properties ended up being superior and more effective than the halogen, however the cost and bulkiness of these lights discouraged their popularity.^{16,17}

It wasn't until 1995 that Mills introduced the Light Emitting Diode, or the LED curing light. It immediately had better characteristics comparable to its predecessors. Instead of a filament, the LED uses a two-lead gallium-nitride-based semi-conductor that uses doped p-n junctions for the generation of blue light.¹⁵ These lights produce a blue light with a narrow emission spectrum of 400-500nm that peaks at 469 which is optimal for activating CPQ in dental resins.¹⁸ It is long lasting, predictable and produces adequate polymerization in shorter curing times. Eventually, the second generation of LEDs were released with even better properties surpassing Halogen curing lights in the majority of studies conducted comparing the two.¹⁴

Degree of Conversion

The amount of polymerization of a light cured adhesive or restoration is defined by the degree of conversion. This term describes the percentage of carbon-carbon double bonds converted to single bonds during polymerization compared to the amount that were originally present. Sources report a varied range of conversion with dental resins. Bayinder et al¹⁹ reported that degree of conversion values for dental composites range from 35-67%.¹⁹ Rueggeberg et al²⁰ reported that resins composed of Bis-GMA generally are converted 65% but typically range from 55-75%. A study done by Eliades et al¹¹ found that orthodontic adhesive degree of conversions ranged from 48-68%. The higher the percentage, the more the mechanical properties are expressed giving it higher tensile and compressive strength and therefore leading to a higher shear bond strength that is necessary for adequate retention of brackets in orthodontics.

As mentioned previously, the degree of conversion is affected by the number of photons and their wavelengths that are delivered during the time the light is held to the adhesive. The International Organization for Standardization (ISO) recommends 300mW/cm for effective polymerization of most resin based composites when appropriate polymerization times are used.²¹ Rueggeberg et al¹⁰ recommended a minimal intensity for 400mW/cm² for 60 seconds for routine polymerization. Increasing the intensity of the light will ultimately decrease the length of time needed. However, studies show that increasing irradiance does not necessarily compensate for shorter curing times.²² Both intensity of the light and length of irradiation do have a significant effect on the degree of conversion.

Determination of Degree of Conversion

Measuring the depth of cure and degree of polymerization has been thoroughly investigated in operative dentistry to ensure proper cure of composite restorations. Pianelli et al²³ has described four methods of determining the depth of cure for light activated resins. Commonly, investigators will evaluate the microhardness composites at variable depths which indirectly measures the degree of conversion. For this test, the level at which the hardness value is equivalent to at least 90% of the hardness as the surface of the composite defines the depth of cure. In a similar fashion, the scraping test is also used to determine the depth of cure by simply scraping off the unpolymerized part of the sample to see how far the cure was effective. Optical microscopy has also been used to determine the junction of cured versus uncured by detecting a change in translucency between the two.²³

Vibrational techniques, however, have proved to be the most effective in directly determining the degree of conversion. Fourier Transform Infrared Spectroscopy (FTIR) is most commonly used today.¹⁹ This method is based on the molecular vibrations of functional groups contained in the polymeric chain and their absorption of radiation in the infrared frequency range to determine the amount of unreacted double bonds and monomers.^{15, 19 23} It ultimately provides the degree of conversion based on the amount of unreacted double bonds in a cured sample compared to the original amount of double bonds in the uncured sample.¹⁴

Tray materials in indirect bonding

With the standardization of using light cured composites rather than self-curing, the transfer tray material introduces another variable into this technique sensitive system. With indirect bonding, the tray is used as a transfer medium for the brackets with premade custom composite bases from the casts to the mouth. When using a light cured adhesive, a small layer of light cured flowable composite or sealant would be administered to the back of each bracket. The tray would then be seated in the mouth and then cured to the teeth through the tray with some sort of curing light. With autocure adhesives, the translucency of the tray was not an issue to be considered. However, with the increasing popularity of light cured composites, the use of clear trays has become the standard.⁵ There has been a plethora of materials used in fabrication ranging from single layer polyvinylsiloxane trays, resin and silicone hybrid trays to hot glue fabricated trays. The dual layer trays consist of a soft inner layer to allow the brackets to release and a stiffer outer layer to ensure consistent seating. Single layer trays have a consistency between hard and soft.²⁴

With indirect bonding, light must pass through this tray material to cure the composite on the bracket base and bond the bracket to the tooth. A portion of that light will be absorbed, scattered, and reflected by the tray material as it passes through and therefore has the potential to decrease the light intensity. This is extremely important to a provider because light intensity lost in this procedure has the potential to affect the bond strength of each bracket-tooth interface. Indirect bonding tray thicknesses vary from 1-6mm depending on the technique and

provider consistency. Therefore, the material could have an effect the degree of conversion which will ultimately affect the shear bond strength that is minimally acceptable in orthodontic treatment.

Attenuation Coefficient

The amount of light that is absorbed, scattered, and reflected by a material can be determined by knowing its attenuation coefficient. An attenuation coefficient can be described as a fraction of a beam of x-rays or gamma rays that is absorbed or scattered per unit thickness of the absorber. This value gives the probability of a photon being scattered or absorbed from the nuclei of electrons that are scattered in a cubic cm volume of material.^{25, 26} Once this value is determined for a certain material, the following equation can be used to determine the light intensity that is transmitted through a material based on the thickness and the initial intensity of the light:

$$I = I_0 e^{-\mu x}$$

where μ is the attenuation coefficient (1/mm), x is the distance/thickness of material (mm), I_0 = initial intensity of light curing unit, $I(x)$ is the intensity as light passes through material at thickness, x .

Determining Attenuation Coefficient of a Material

If the initial intensity and the intensity of the light once it's passed through the material at thickness, x , is known, the attenuation coefficient of a material can be determined with the using a derivative of the same formula described by the following equation:

$$\ln \frac{I_o}{I} = \mu x$$

where μ is the attenuation coefficient (1/mm), x is the distance/thickness of material (mm), I_o = initial intensity of light curing unit, $I(x)$ is the intensity as light passes through material at thickness, x .

An integrating sphere can be used to find the light intensity after it's transmitted through a material. The single largest application for integrating spheres is the measurement of transmittance or scattering of various materials and these measurements are typically formulated as a function of a wavelength. Typically, the material is placed at the entrance port to the sphere and the light transmitted is measured within the sphere and recorded electronically. From these transmission readings, the attenuation coefficient is then calculated on a basis of average readings at various wavelengths.²⁷ Because most dental resins are activated at 469 nm, the transmittance of this wavelength is extremely important during indirect bonding.

Previous Studies

To this date, there were no studies found concerning the attenuation coefficient of tray materials commonly used in indirect bonding and their potential effect they could have on degree of conversion and bond strength. However, there have been a few studies examining various factors affecting bond strength of direct bonded brackets and degree of conversion with typical composite curing for restorative dentistry.¹⁴ Gronberg et al¹⁴ looked at length of cure and found that light exposure over 10 seconds per bracket yielded a clinically acceptable bond

strength to withstand orthodontic force. In the same study, they looked at the distance of the light source from the bracket-tooth interface and found that the distance of 1-10 mm between the light source and bracket showed no significant difference in the shear bond strength.

Harlow et al²⁸ studied the depth of cure in bulk fill composites and found that from 1-4mm, there was an exponential decrease in amount of cure. Another study done by Thome et al²⁹ et al looked at degree of conversion by assessing the microhardness of various composites evaluating the effect of curing tip distance, shade and filler particle size. Ultimately, they found that the darker the shade, the higher filled, and the greater the distance from the curing light, the lower the microhardness of the cured composite.

Bansal et al³⁰ did a similar type of study looking at the depth of cure of resin cement curing through different types of ceramic at different thicknesses as well as the various lengths of irradiation. The depth of cure between 2 and 3 mm thickness were insignificant however there was a significant decrease in depth of cure once the thicknesses increased to 4mm for all types. The more translucent ceramics had a greater depth of cure through them as well. They found that increasing irradiation time from 40 seconds to 60 seconds and then to 80 seconds significantly increased the depth of cure however it was not always consistent. Overall, in this study, the degree of cure was affected by the type, thickness, and irradiation time.

Based on the conclusions of these studies, it is very possible that the type of tray material used and the various consistencies in thickness have the potential

to affect the amount of time that is needed to cure each bracket during indirect bonding. Various tray materials have been used with this indirect bonding method of light-curing brackets to the teeth for years. Many studies have been done to ensure the trays provide adequate bracket position and transfer, however, there have been none to determine the translucencies of these materials as well as the length of time that the brackets need to be cured through them to ensure an adequate bond. In tray fabrication, there are often significant variations in tray thickness throughout the arch due to various factors from crowding instances to operator inconsistencies. In a world where time is money, it is important to understand that different tray materials and the thicknesses of these materials may require different curing times to ensure proper composite polymerization. In this study, the attenuation coefficient of two different commonly used tray materials and the degree of conversion of resin samples cured through a few materials at various thicknesses and lengths of cure commonly found during indirect bonding were examined.

I. OBJECTIVES

The purpose of this study was to determine if tray material and its thickness have an effect on the light transmission and degree of conversion during indirect bonding. Additionally, the purpose was to determine if curing for 10-30 seconds had a significant effect on the degree of conversion. The attenuation coefficient of Star VPS, (Danville Materials, San Ramon, CA) (Figure 1), and Emiluma/Lumaloc (Opal Orthodontics, South Jordan, UT) (Figure 2) were determined using an integrating sphere to provide a general guideline to assess how much light is transmitted through each material at a given distance. They were ultimately compared to see if one material was more translucent than the other. Furthermore, the degree of conversion of samples of Revolution flowable composite (Kerr, Orange, CA) (Figure 3) cured with a Paradigm LED curing light (Irradiance: 1200 mW/cm² 3M ESPE, St. Paul, MN) were tested through Air, Star VPS, Emiluma/Lumaloc, and Biocryl/Bioplast (Sheu Dental, Iserlohn, Germany) (Figure 4) at various thicknesses corresponding with the likelihood of thicknesses created during indirect bonding tray fabrication. This study will ultimately inform the provider if it is necessary to adjust the length of curing for specific tray materials during indirect bonding which could potentially improve indirect bonding successes.



Figure 1. Star VPS (Danville Materials, San Ramon, CA) is a single layer tray material used in indirect bonding.



Figure 2. Emiluma/Lumaloc, (Opal Orthodontics, South Jordan, UT) is a dual layer tray material used in indirect bonding.



Figure 3. Revolution flowable composite was used to create the samples tested for degree of conversion through the various tray materials.



Figure 4. Biocryl/Bioplast is a dual layer vacuum formed tray material commonly used in indirect bonding.

II. HYPOTHESIS

Attenuation Coefficient:

Hypothesis: There will be a difference between the attenuation coefficient of Emiluma/Lumaloc and Star VPS.

Null Hypothesis: There will be no difference between the attenuation coefficient of Emiluma/Lumaloc and Star VPS.

Degree of Conversion:

Hypothesis: The thickness, length of cure and type of tray material will affect the degree of conversion.

Null Hypothesis: The thickness, length of cure, and tray material will have no effect on the degree of conversion.

III. MATERIALS AND METHODS

A. Attenuation Coefficient (AC)

1. AC Study Groups

For Star VPS and Emiluma/Lumaloc, light transmission was tested using an integrating sphere (Labsphere, North Sutton, NH) at different thickness to obtain the attenuation coefficient of each material. Three samples of Star VPS were created for each thickness (2, 4, 6, 8, 9, 10, and 12mm). Three samples Emiluma/Lumaloc were created for each EL/LL ratio of 2: 2, 2:4, 2:6, 2:8, 2:9, 2:10, and 2:12mm. (Table 1)

Material	Thickness (mm)	Total Sample Size
Star VPS	0, 2, 4, 6, 8, 9, 10, 12	n= 21
EL/LL	2:2, 2:3, 2:4, 2:6, 2:8, 2:9, 2:10, 2:12	n= 21

Table 1. Attenuation Coefficient Study Groups

2. AC Jig Design and Materials:

A Stratasys Objet Eden 260VS Polyjet printer (Stratasys, Eden Prairie, MN) was used to print molds with VeroDent Med670 material (Stratasys, Eden Prairie, MN) (Figure 5). The designs were accomplished on Solidworks 2017 software (Dassault Systems, Waltham, MA). The jigs were created to correspond to the sphere's window with 11mm inner diameter and 33mm outer diameter at various heights (x) corresponding to various thicknesses being tested. (Figure 6) To create a sample of Emiluma/Lumaloc (Figure 7), a 2mm jig was placed on a layer of clear thermoplastic material. Emiluma was then dispensed into the jig and then levelled by carefully sliding a clear piece of thermoplastic material over the surface.

Another jig at thickness, x , was immediately placed on top of the first jig. Lumaloc was then dispensed and flattened with another piece of thermoplastic material and left until the materials set. To create a Star VPS sample, a jig at thickness, x , was laid on clear thermoplastic material. Star VPS was dispensed to fill the jig and then flattened with another layer of clear thermoplastic material until the material set. Each sample thickness was then recorded for each trial. Samples were not dislodged from the jigs during the experiment. The jig carrying the material was held to the window of the integrating sphere for data collection.



Figure 5. Stratasys Objet Eden 260VS Polyjet printer (Stratasys, Eden Prairie, MN).

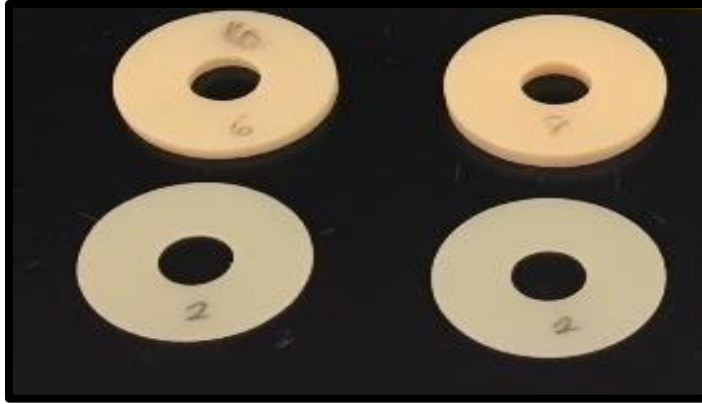


Figure 6. Attenuation coefficient jigs. Measurements correspond to the sphere's window with 11mm inner diameter and 33mm outer diameter at various heights (x) corresponding to various thicknesses being tested.

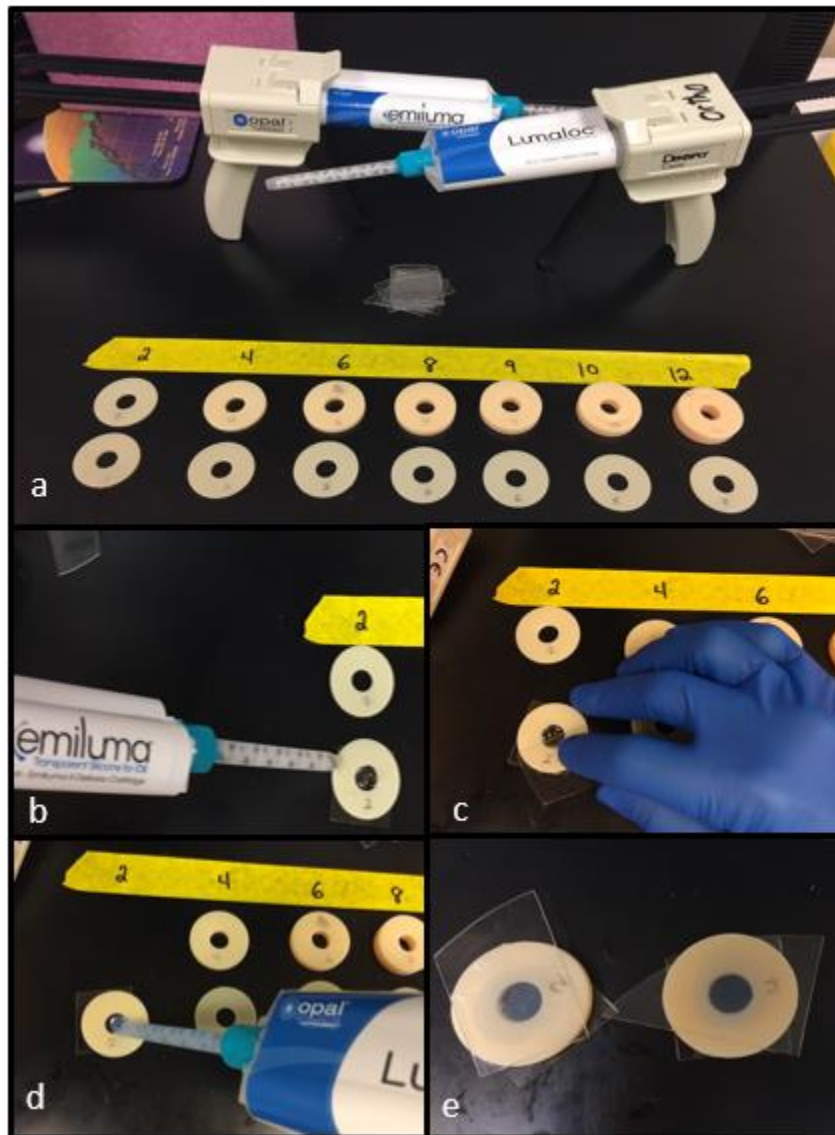


Figure 7. To test the attenuation coefficient for Emiluma/Lumaloc, samples of Emiluma were consistent at 2mm and the Lumaloc thicknesses ranged from 2-12. (a). A jig of thickness, x , was placed on a layer of clear thermoplastic material. Emiluma was then dispensed into the jig and then levelled by carefully sliding a clear piece of thermoplastic material over the surface. Another jig at thickness, x , was immediately placed on top of the first jig. Lumaloc was then dispensed and flattened with another piece of thermoplastic material and left until the materials set. Emiluma would be dispensed first with the jig flat on a clear thermoplastic material (b), then another piece of clear material would be used to wipe the excess (c), another jig would then be stacked on top and Lumaloc would be dispensed (d). Next, the clear material would be placed on top to express the excess and would be left in place until the materials hardened.

3. AC Methods:

SpectraSuite software (OceanOptics, Dunedin, FL) was utilized with the integration time set to 50msec, 20 scans per average, with a boxcar width of 10. To begin data collection, the reference and dark spectrums were captured to account for background light. The jigs were then placed onto the integrating sphere window with a custom mount. The Paradigm curing light was mounted flush with the sample material contained in the jig. The light was then activated and 90 transmission readings were captured over 120 seconds. (Figure 8) This was done for each sample of material created.

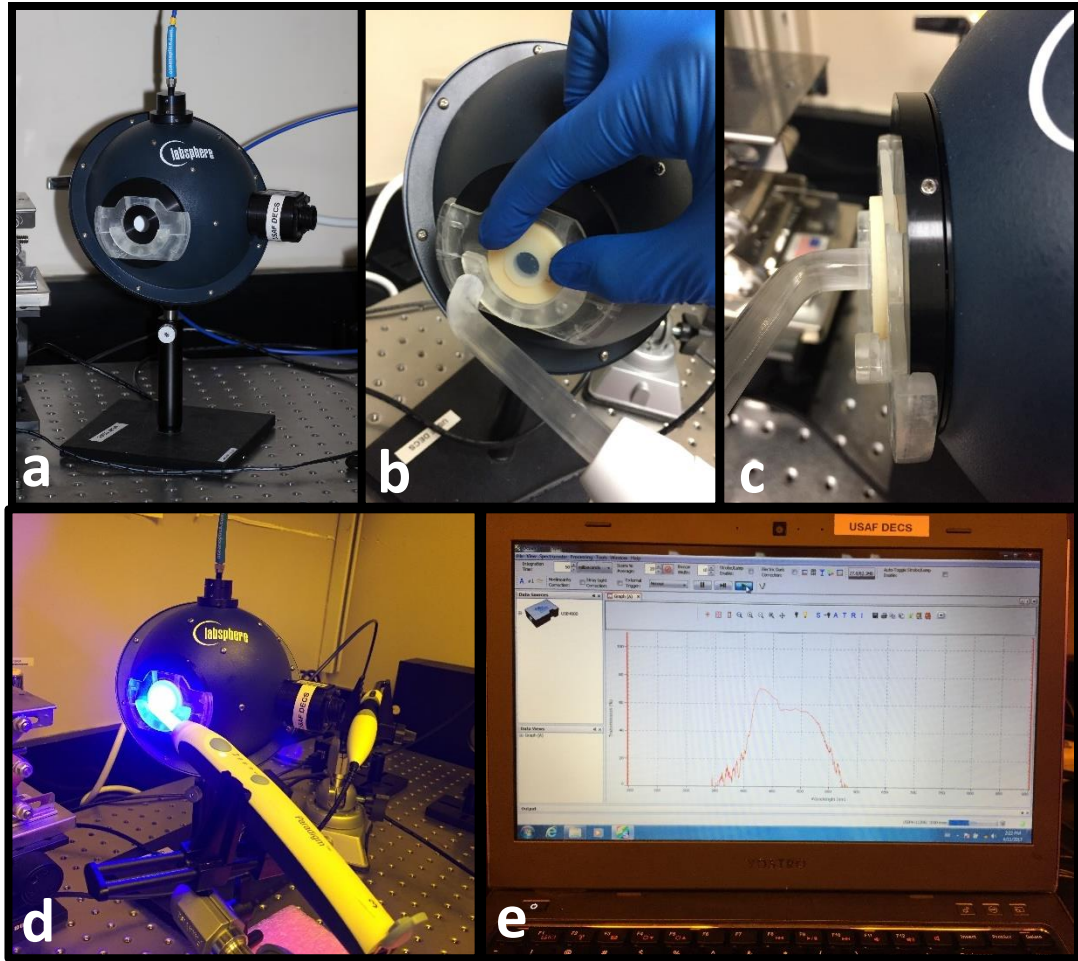


Figure 8. A Labsphere integrating sphere was used to find the attenuation coefficient of each material. A custom mount was created to hold the samples against the window. (a) Each sample was placed into the mount (b) and the curing light was held with a mount flush to the material. (c) The light was then activated for 120 seconds (d) and 90 readings were captured using SpectraSuite

4. Data Collection

Data was then extracted from the 40, 50, and 60th reading and averaged from each trial within the 469nm spectrum. The 469nm averages were further averaged among the three trials for each thickness. (Appendix A). The attenuation coefficient was then calculated using the following formula:

$$I = I_0 e^{-\mu x}$$

$$\ln \frac{I_0}{I} = \mu x$$

where μ is the attenuation coefficient (1/mm), x is the distance/thickness of material (mm), I_0 = initial intensity of light curing unit, $I(x)$ is the intensity as light passes through material at thickness, x .

5. Statistical Interpretation

The Shapiro-Wilks test result indicated that the attenuation coefficient data was normally distributed, therefore an independent t-test was used for group comparison of the attenuation coefficients of Star VPS and Emiluma/Lumaloc.

B. Degree of Conversion (DOC)

1. DOC Study Groups

Star VPS, Emiluma/Lumaloc, and Biocryl/Bioplast was studied in this experiment. Each material was tested three times for 10, 20 and 30 seconds at every thickness. Star VPS, a single layer tray material, was tested at 2mm, 3mm, 4mm, 5, and 6mm. Emiluma/Lumaloc is a dual layer tray material and therefore was tested together by varying the combinations of individual thicknesses totaling 4-6 mm (2:2, 2:3, 2:4, 3:2, 3:3, 4:2). Biocryl/Bioplast has a consistent thickness due to the nature of its creation and therefore was tested at its inherent thickness together of about 2mm. Each sample of Revolution flowable composite was scanned uncured and then cured through at 10, 20, and 30 seconds. The degree

of conversion of the sample was tested through air three times at 0mm, 2mm, 3mm, 4mm, 5mm, and 6mm at 10, 20, 30 seconds as a control. (Table 2)

Group	Material	Distance/Thickness (mm)	Length of Cure (seconds)	Sample Size
1	Air (Control)	0, 2, 3, 4, 5, 6	10, 20, 30	n=54
2	Star VPS (Danville Materials, San Ramon, CA)	2, 3, 4, 5, 6	10, 20, 30	n=45
3	Emiluma/Lumaloc (EL/LL)(Opal Orthodontics, South Jordan, UT)	2:2, 2:3, 2:4, 3:2, 3:3, 4:2	10, 20, 30	n=54
4	Biocryl/Bioplast (B/B) Sheu Dental, Iserlohn, Germany	0.75 : 1.25	10, 20, 30	n= 9

Table 2: Degree of Conversion Study Groups

2. DOC Jig Design and Materials

The Stratasys Objet Eden 260VS Polyjet printer (Stratasys, Eden Prairie, MN) was again used to print molds with VeroDent Med670 material (Stratasys, Eden Prairie, MN) (Figure 9). The designs were accomplished on Solidworks 2017 software (Dassault Systems, Waltham, MA). These molds were used as jigs to create spherical disks of each type of tray material at different thicknesses. The jigs were created with a 20mm inner diameter, 50 mm outer diameter, and heights (x) corresponding to the different thicknesses being tested. The diameter was designed to allow ease of fabrication of the disks as well as to cover the entire sample and diameter of the light source.

A verification jig was also printed with the same material to help obtain the combination thicknesses of Emiluma/Lumaloc. Each jig had corresponding indentations to align with the dowels on the verification jig to ensure proper seating

and layering of the materials. (Figure 9) The controls were tested using printed cylindrical shaped jigs of the same material at the heights corresponding to the material thicknesses with the diameter decreased to 10mm (the diameter of the light). (Figure 10) There were no jigs used for Biocryl/Bioplast. A Biostar machine (Sheu Dental, Iserlohn, Germany) and a metal ring was used to create a vacuum formed 30 mm diameter, 2 mm thick sample of Biocryl/Bioplast.

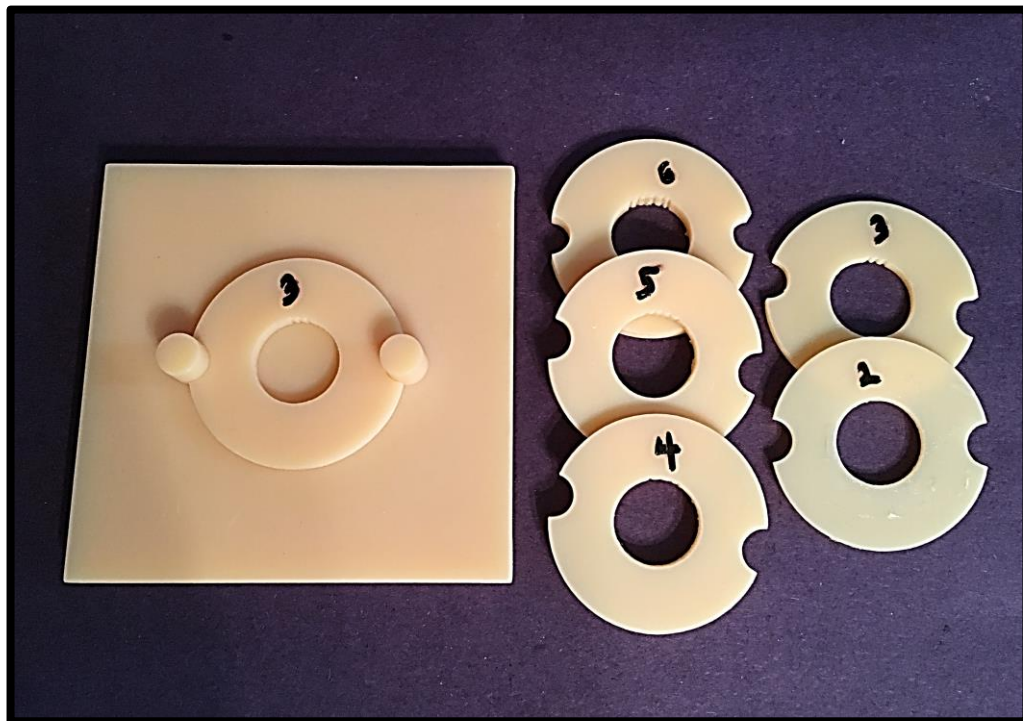


Figure 9. Tray material jigs printed with VeroDent Med670 material. Jigs were used to make samples of both Star VPS and Emiluma/Lumaloc. Each jig had small indentations on the inner diameter corresponding with their thickness. Emiluma/Lumaloc required layering two materials and therefore, each jig had large indentations on the outer diameter to allow proper layering using the verification jig pictured.

For Emiluma/Lumaloc, a jig of thickness, x , was placed on the verification jig with a layer of clear thermoplastic material. Emiluma was then dispensed into the jig and then levelled by carefully sliding a clear piece of thermoplastic material

over the surface. Another jig at thickness, x , was immediately placed on top of the first jig. Lumaloc was then dispensed and flattened with another piece of thermoplastic material and left until the materials set. (Figure 11) To create a Star VPS sample, a jig at thickness, x , was laid on clear thermoplastic material. Star VPS was dispensed to fill the jig and then flattened with another layer of clear thermoplastic material until the material set. Samples were dislodged from the jigs for use prior to data collection.

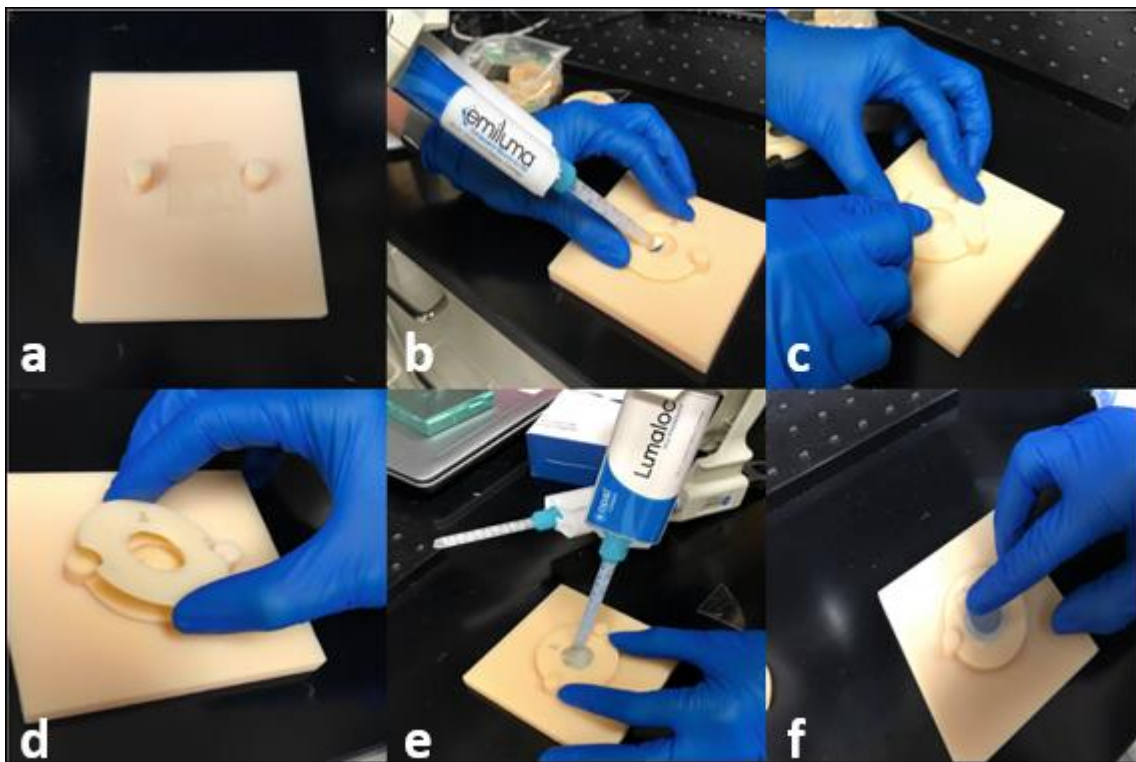


Figure 11. Emiluma/Lumaloc. A clear thermoplastic material was placed on the verification jig (a). A jig of thickness, x , was placed on the verification jig and Emiluma was then dispensed into the jig (b) and then levelled by carefully sliding a clear piece of thermoplastic material over the surface (c). Another jig at thickness, x , was immediately placed on top of the first jig. (d) Lumaloc was then dispensed (e) and flattened with another piece of thermoplastic material and left until the materials set. Samples were dislodged from the jigs for use prior to data collection.

3. DOC Methods

The degree of conversion of each sample of Revolution composite was tested using Fourier Transform Infrared Spectroscopy (Spectrum 400 FTIR Imaging System Perkin-Elmer, Waltham, MA) (Figure12) Spectrum software was utilized to capture the spectra of the sample first uncured and then one-minute post cure. Each scan was captured at $2000 - 1000 \text{ cm}^{-1}$ wave numbers range and 6 scans per spectrum at an 8 cm^{-1} spectral resolution. Every time the program was opened, a background scan was taken. (Figure 13)



Figure 12. Fourier Transform Infrared Spectroscopy (Spectrum 400 FTIR Imaging System Perkin-Elmer, Waltham, MA) Spectrum software was utilized to capture the spectra of the sample first uncured and then one minute post cure. Each scan was captured at $2000 - 1000 \text{ cm}^{-1}$ wave numbers range and 6 scans per spectrum at a 8 cm^{-1} spectral resolution.

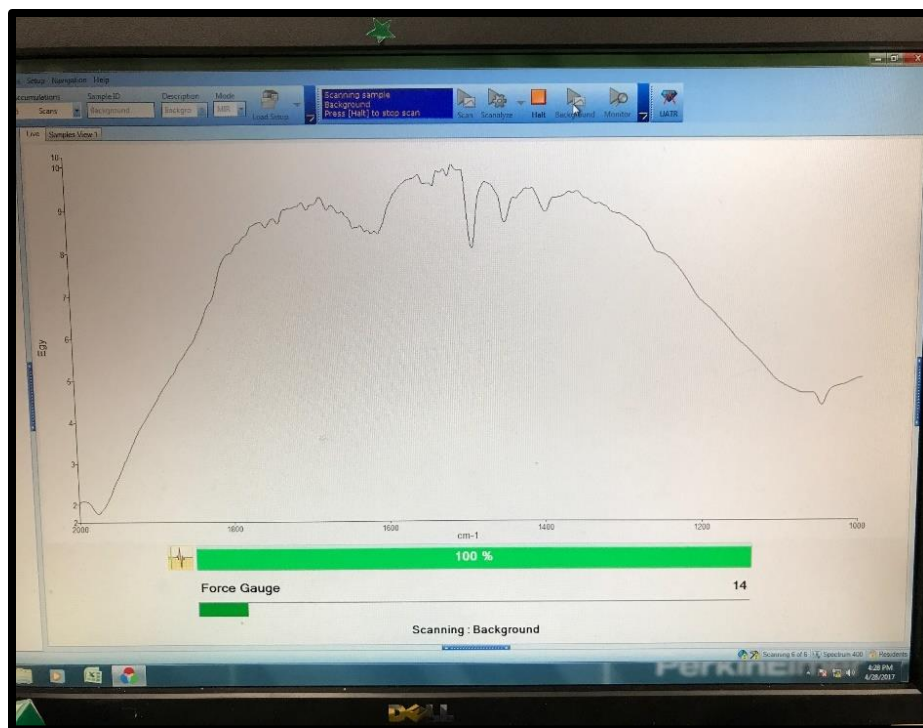


Figure 13. Spectrum Software: Each time the machine was turned on, the background was scanned to set a baseline.

For each trial, attenuated total reflectance (ATR) attachment of the FTIR was cleaned with distilled water and a Kimwipe. To create 1.5mm thick samples of Revolution flowable composite (Kerr, Orange, CA), a Crown Bolt (Aliso Viejo, CA) zinc plated fender washer with a 10 mm inner diameter, 20 mm outer diameter, and 1.5mm in depth was placed on the ATR and fixed with masking tape. Revolution was then dispensed into the jig. A 1.0 mm thick clear slide was then placed on top of the uncured sample to level it and exude the excess. A preview scan was then obtained followed by a capturing scan of the uncured sample. (Figure 14) The samples were then cured at their corresponding time intervals (10, 20, and 30 seconds) three times each through air, Star VPS, and Emiluma/Lumaloc at various thicknesses with new samples of Revolution each

time. Once the samples were cured, one minute lapsed before each scan was captured. During the one-minute interval, a preview scan was generated and the force gauge was utilized to ensure the appropriate sample reading was captured. (Figure 15) The same protocol was used for Biocryl/Bioplast. (Figure 16). To test through air, the air specific jigs were used and were placed directly over the glass slide and the light was held perpendicular to the diameter of the opening on the jig. (Figure 17). Once all of the samples were cured, they were dislodged from the washer and measured. Any sample that did not fall within $1.5\text{mm} \pm 0.3$ was discarded. (Figure 18)

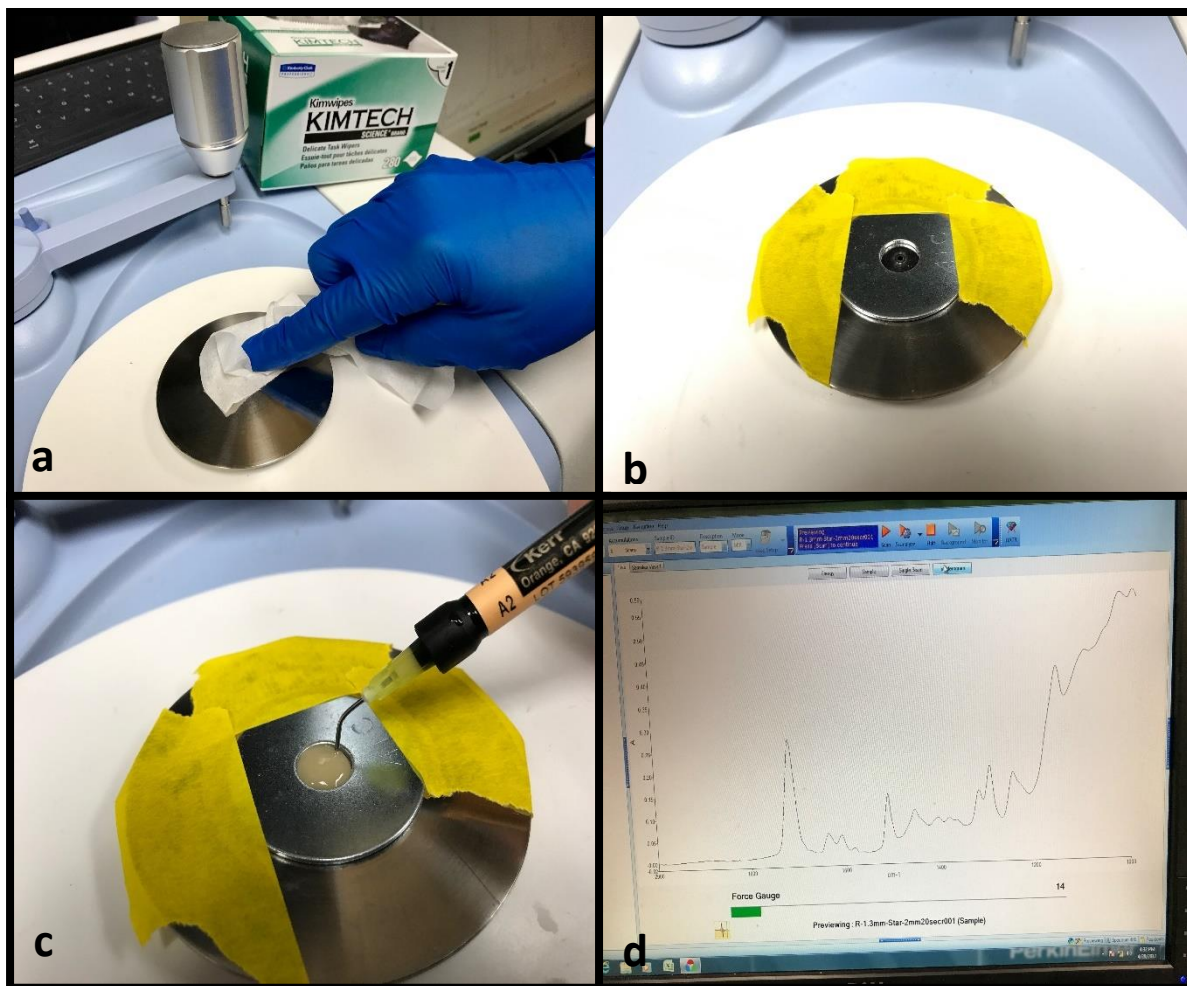


Figure 14. The ATR of the FTIR was first wiped with a Kimwipe and water. (a) A washer was adhered to the attachment with masking tape on 3 sides. (b) Revolution was dispensed. (c) Each sample was previewed and capture uncured. (d)

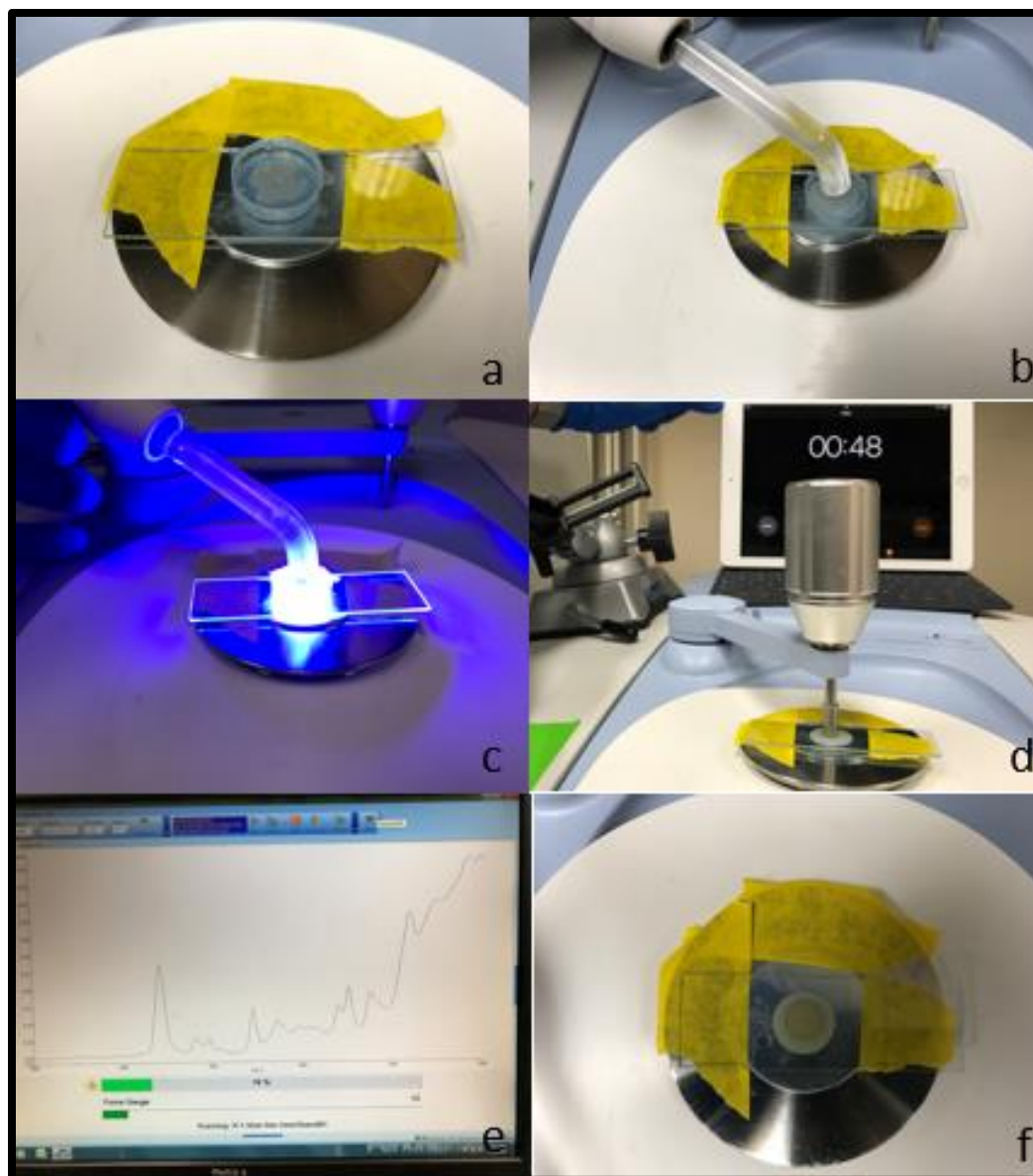


Figure 15. The different tray materials created with the jigs were then placed on the slide over the uncured sample. (a) The curing light was mounted flush with the material (b) and the sample was cured through the materials for 10, 20, and 30 seconds at the various thicknesses created of each material. (c) Once the sample was cured, a one-minute timer was started. (d) At the end of one minute, the scan was captured (e). Cured sample (f).

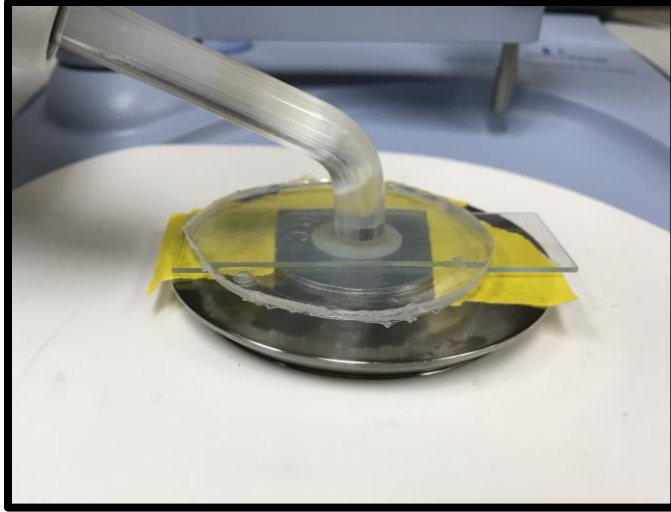


Figure 16. For Biocryl-Bioplast, only one thickness of about 2mm was tested at 10, 20 and 30 seconds due to its inherent thickness during tray fabrication.

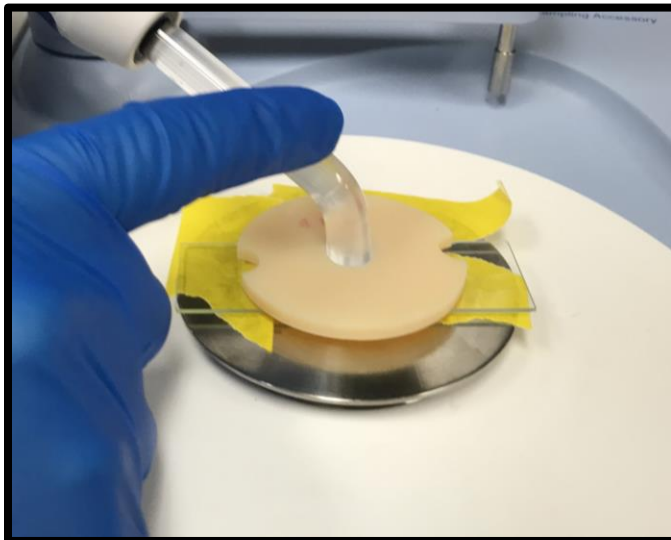


Figure 17. For air, samples were tested using printed cylindrical shaped jigs at the heights corresponding to the material thicknesses with the diameter decreased to 10mm (the diameter of the light). The degree of conversion of the sample was tested through air three times at 0mm, 2mm, 3mm, 4mm, 5mm, and 6mm at 10, 20, 30 seconds as a



Figure 18. After each sample was cured and scanned, the sample was dislodged from the washer and measured to confirm that the thickness of the sample was between 1.3 and 1.7mm. Samples outside this thickness range were discarded and the trial was repeated.

4. DOC Data Collection

Once the trials were complete, the 6 scans (3 uncured and 3 cured) for each trial group were set to a baseline. For each scanned spectra, the two peaks representing aliphatic and aromatic (C=C) bonds were used to determine the sample's degree of conversion by dividing the ratio of these peaks in the cured sample (the polymer) by the quantification ratio of that sample in an uncured state (the monomer). (Figure 18) The following equation was used:

$$DC\% = \left(1 - \frac{(P_1/P_2)_{\text{polymer}}}{(P_1/P_2)_{\text{monomer}}} \right) \times 100$$

where DC= degree of conversion, P_1 = aliphatic C-C quantification, P_2 = aromatic C=C quantification.

Once the degree of conversion of each sample was found, the mean and standard deviation were found for each material at each of their various thicknesses and time intervals.

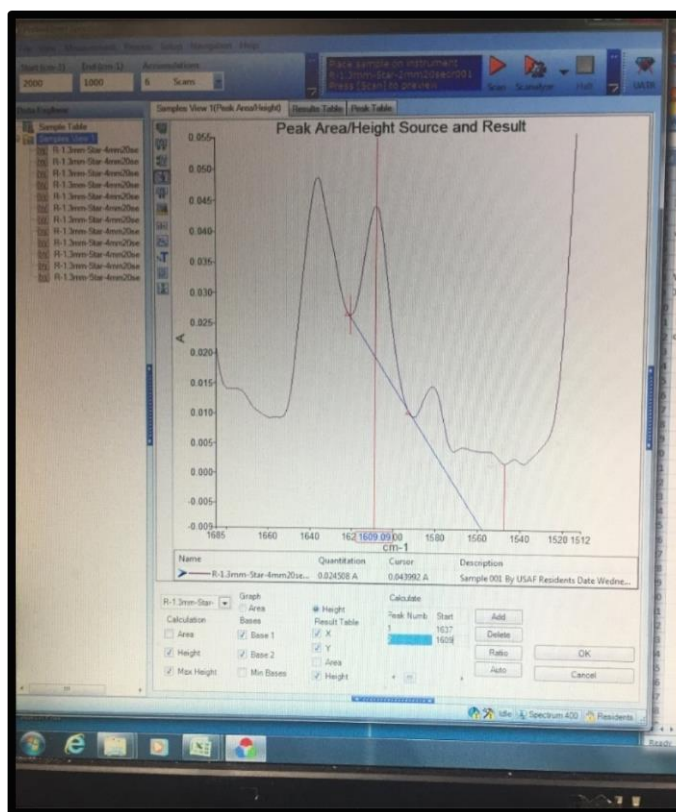


Figure 18. Once the data collection was complete, the 6 scans (3 uncured and 3 cured) for each trial group were set to a baseline. For each scanned spectra, the two peaks representing aliphatic and aromatic (C=C) bonds were used to determine the sample's degree of conversion by dividing the ratio of these peaks in the cured sample (the polymer) by the quantification ratio of that sample in an uncured state (the monomer).

5. DOC Statistical Interpretation

The outcome variable, degree of conversion, was assessed for normality by the Shapiro-Wilks test, and was not normally distributed. Non-normal variables are summarized by the median and inter-quartile range (IQR). For the non-normally distributed data, a Friedman's two-way nonparametric analysis of variance (ANOVA) or Kruskal-Wallis test (nonparametric one-way ANOVA) was used to compare the ranks. Differences in ranks among groups was determined by Tukey's test, a post-hoc multiple comparison tests. Statistical analyses were performed using SAS version 9.4 (Statistical Analysis Software, Cary, NC).

Friedman's two-way nonparametric ANOVA was conducted to compare the main effects of distance and length of cure and then the interaction effect between distance and length of cure on the ranks of degree of conversion for each material (i.e., Air, Star, EL/LL, B/B) separately. For all material types, the length of cure for each consisted of 10, 20, and 30 seconds however had different distances tested. Air was tested at 0, 2, 3, 4, 5, 6 mm. Star was tested at 2, 3, 4, 5, 6 mm. EL/LL was tested at six different distance levels with ratios of EL/LL at 2:2, 2:3, 2:4, 3:2, 3:3, 4:2 mm. For B/B, there was one level of distance tested with the ratio B/B at 0.75:1.25mm.

IV. RESULTS

A. Attenuation Coefficient

An independent-samples t-test was conducted to compare the attenuation coefficients between Star and EL/LL. There was a significant difference in the

attenuation coefficients between Star (M=0.059, SD=0.008) and EL/LL (M=0.099, SD=0.009); $t(4) = 5.90$, $p = 0.004$.

B. Degree of Conversion

For Air, only the length of cure was statistically significant at the 0.05 significance level ($F(2, 36) = 44.01$, $p < 0.0001$). Distance and the interaction effect between distance and length of cure were not significant. The post-hoc tests for length of cure revealed that the degree of conversion for the 10 seconds group was significantly lower than 20 and 30 seconds groups. See Table 3 and Figure 19.

Air Degree of Conversion (IQR)			
	10 sec	20 sec	30 sec
2mm	0.60 (0.60-0.60)	0.68 (0.64-0.68)	0.66 (0.60-0.72)
3mm	0.53 (0.52-0.60)	0.67 (0.66-0.67)	0.69 (0.67-0.72)
4mm	0.58 (0.56-0.60)	0.67 (0.67-0.69)	0.68 (0.66-0.71)
5mm	0.60 (0.56-0.64)	0.68 (0.68-0.68)	0.67 (0.67-0.70)
6mm	0.68 (0.57-0.60)	0.64 (0.64-0.66)	0.71 (0.70-0.71)

Table 3. Descriptive Statistics for Air Degree of Conversion

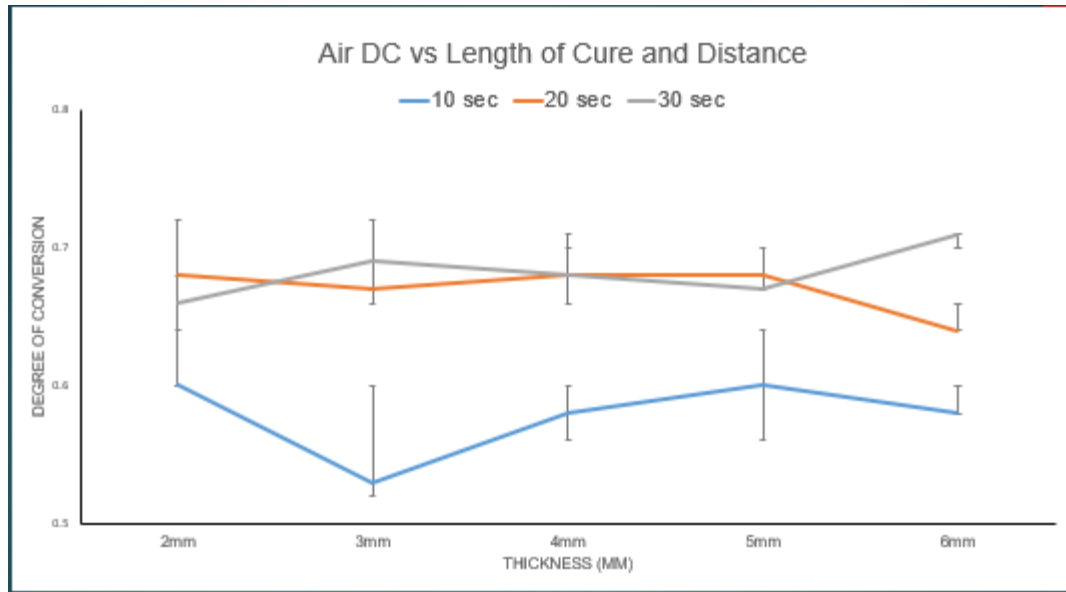


Figure 19. Air Degree of Conversion Graph

For Star, length of cure and the interaction effect between distance and length of cure were statistically significant at the .05 significance level (length of cure: $F(2, 30) = 14.82$, $p < 0.0001$; the interaction: $F(8, 30) = 3.25$, $p = 0.009$). Distance alone was not significant.

Since the interaction effect between distance and length of cure was significant, the length of cure is significant depending on the distance. Degree of conversion for the 10 seconds group was significantly lower than the degree of conversions for 20 and 30 seconds groups when the distance was at either 2mm, 3mm, or 6mm, while no difference was found at 4mm or 5mm. At 3mm, the degree of conversion for the 30 seconds group was significantly higher than degree of conversions for the 10 and 20 seconds group.

Star Degree of Conversion Median (IQR)			
	10 sec	20sec	30sec
2mm	0.61 (0.60-0.61)	0.67 (0.66-0.68)	0.66 (0.66-0.66)
3mm	0.61 (0.60-0.61)	0.65 (0.63-0.68)	0.71 (0.71-0.71)
4mm	0.66 (0.66-0.66)	0.67 (0.66-0.69)	0.67 (0.67-0.68)
5mm	0.69 (0.67-0.69)	0.67 (0.66-0.68)	0.66 (0.64-0.69)
6mm	0.64 (0.63-0.64)	0.68 (0.66-0.69)	0.67 (0.66-0.69)

Table 20. Descriptive statistics for Star Degree of Conversion

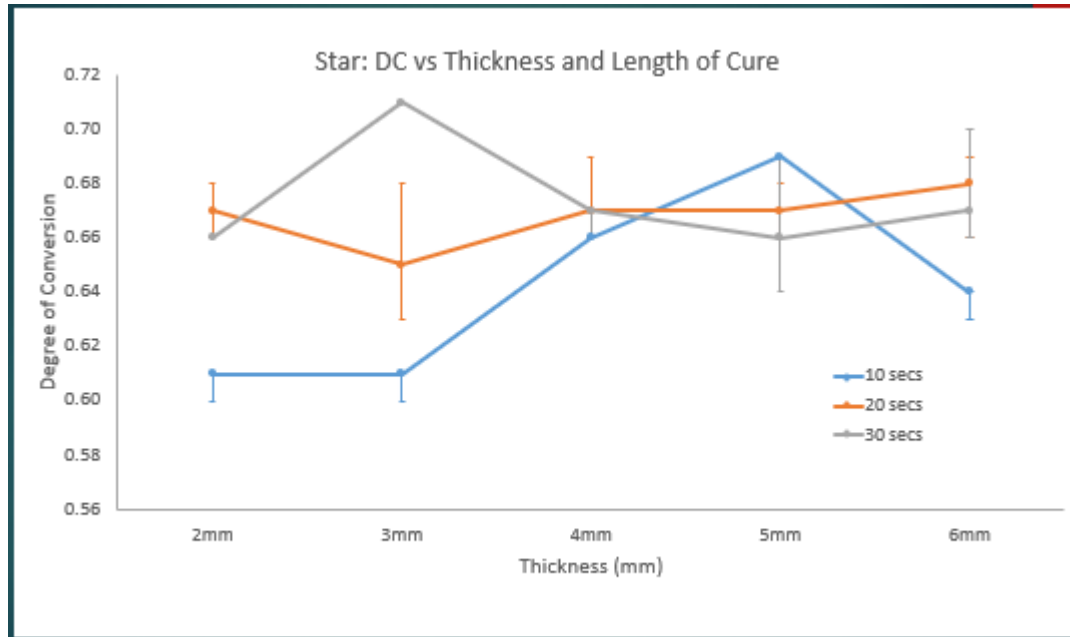


Figure 20. Star Degree of Conversion Graph

For EL/LL, only the length of cure was statistically significant at the .05 significance level ($F(2, 36) = 36.74, p < 0.0001$). Distance and the interaction effect between distance and length of cure were not significant. The post-hoc tests for length of cure revealed that degree of conversion for the 30 seconds group was significantly higher than the degree conversions for 10 and 20

seconds groups, and conversion for 20 seconds group was significantly higher than conversion for 10 seconds group.

Emiluma/Lumaloc Degree of Conversion (IQR)			
	10 sec	20sec	30sec
2:2 mm	0.59 (0.54-0.59)	0.63 (0.62-0.66)	0.66 (0.66-0.68)
2:3 mm	0.62 (0.60-0.62)	0.62 (0.61-0.63)	0.69 (0.69-0.71)
2:4 mm	0.61 (0.60-0.61)	0.67 (0.67-0.67)	0.68 (0.67-0.68)
3:2 mm	0.62 (0.62-0.63)	0.62 (0.62-0.69)	0.69 (0.68-0.69)
3:3 mm	0.62 (0.62-0.63)	0.62 (0.62-0.63)	0.68 (0.65-0.68)
4:2 mm	0.62 (0.62-0.65)	0.66 (0.61-0.66)	0.68 (0.68-0.68)

Table 5. Descriptive statistics for Emiluma/Lumaloc

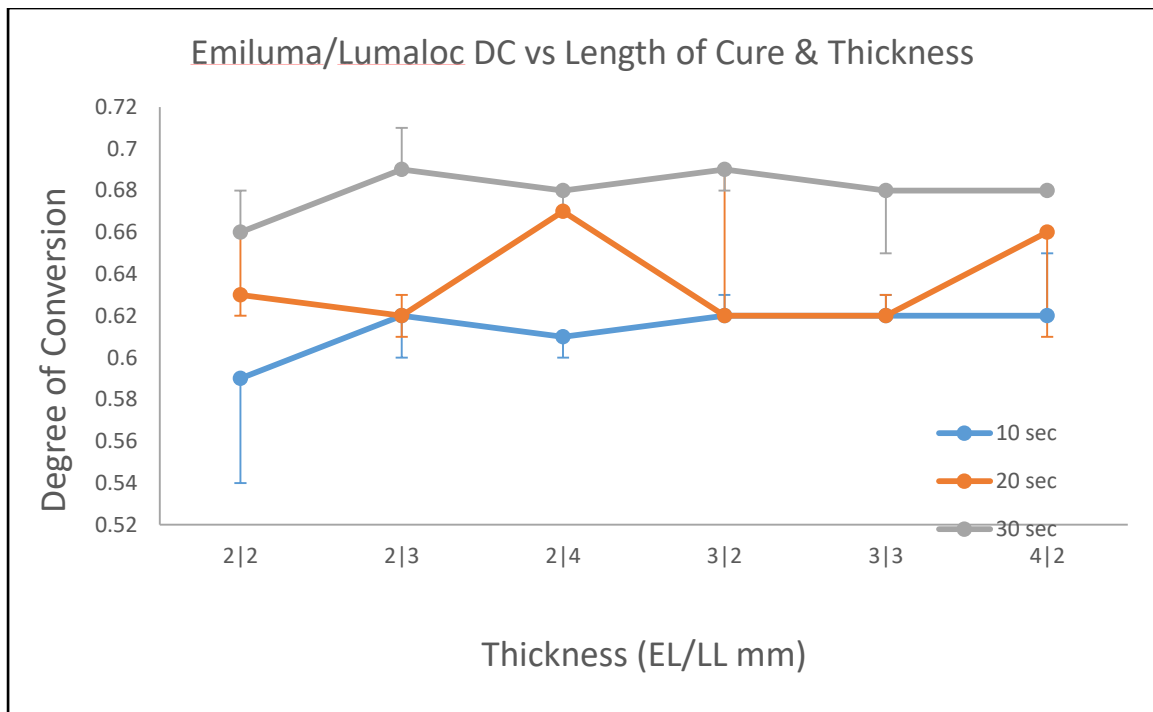


Figure 21. Emiluma/Lumaloc DC Graph

For B/B, length of cure was not statistically significant ($F(2, 6) = 2.09$, $p = 0.20$).

Biocryl/Bioplast Degree of Conversion Median (IQR)			
	10 sec	20 sec	30 sec
0.75:1.25	0.59 (0.54-0.59)	0.63 (0.56-0.63)	0.61 (0.60-0.63)

Table 6. Descriptive Statistics for Biocryl/Bioplast

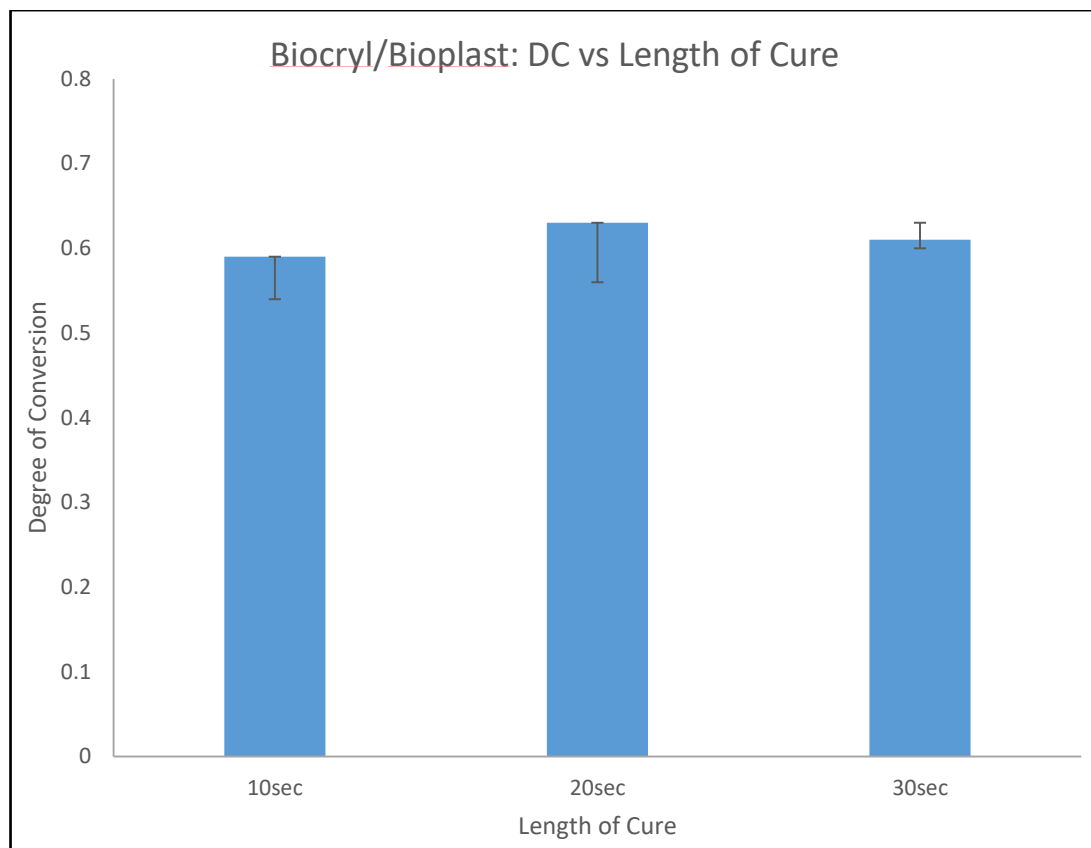


Figure 22. Biocryl/Bioplast DC Graph

For Air, Star, EL/LL, and B/B combined, the main effect of Material and Length of Cure and the interaction between Material and Length of Cure were tested. The main effect for Material, Length of curing time, and the interaction effect

between Material and Length of curing time were statistically significant at the .05 significance level (Material: $F(3, 150) = 15.48, p < 0.0001$; Length of curing time: $F(2, 150) = 87.69, p < 0.0001$; the interaction: $F(6, 150) = 4.60, p = 0.0003$). The post-hoc tests for material type revealed that degree of conversion for B/B was significantly lower than all other materials. The post-hoc tests for length of cure revealed that degree of conversion for the 10 seconds group was significantly lower than degree of conversions for 20 and 30 seconds group and that degree of conversion for the 20 seconds group was significantly lower than the degree of conversion for 30 seconds group.

Since the interaction between material type and length of cure was significant, the degree of conversion with respect to length of cure depends on the type of material. For Air, Star, and EL/LL, the degree of conversion for the 10 seconds groups were significantly lower than conversions for the 20 and 30 seconds groups. For EL/LL, additionally, the degree of conversion of the 20 seconds group was significantly lower than conversion for 30 seconds group. For B/B, no significant difference was found among the length of cure groups.

Material Type Degree of Conversion Median (IQR)			
	10 sec	20 sec	30sec
Air	0.60 (0.56-0.60)	0.67 (0.66-0.68)	0.69 (0.66-0.71)
Star	0.64 (0.61-0.66)	0.67 (0.66-0.68)	0.67 (0.66-0.69)
EL/LL	0.61 (0.60-0.62)	0.63 (0.62-0.66)	0.68 (0.68-0.69)
B/B	0.59 (0.54-0.59)	0.63 (0.56-0.63)	0.61 (0.60-0.63)

Table 6. Descriptive statistics for Material Type Degree of Conversion

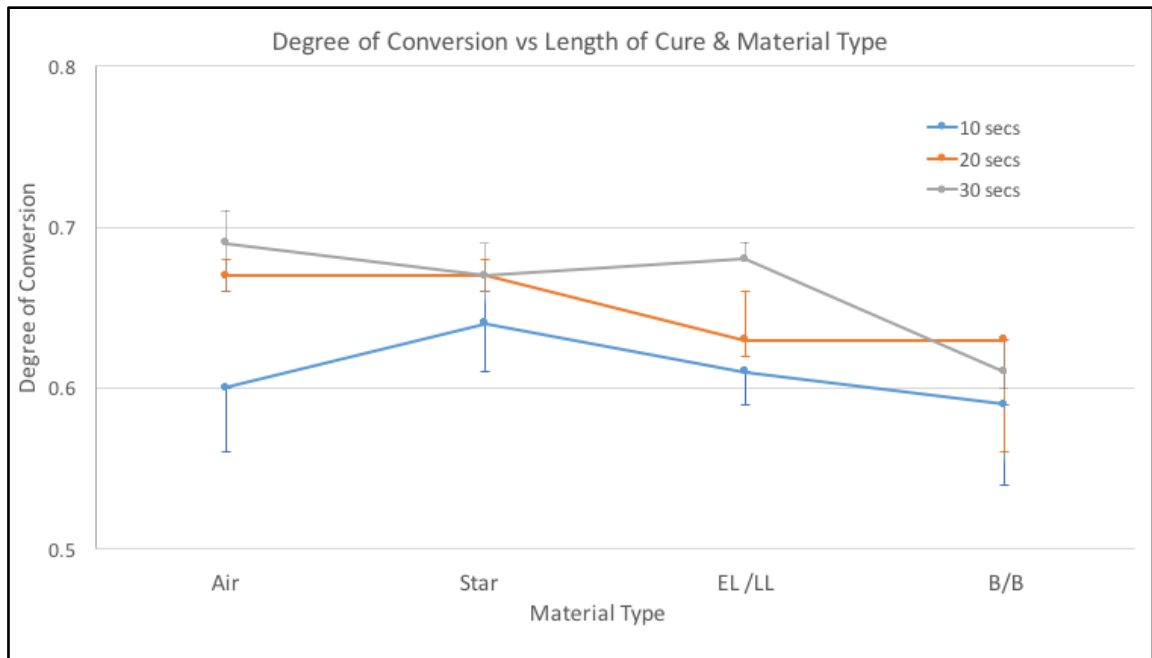


Figure 23. Material Type DC Graph

V. DISCUSSION

The attenuation coefficients of two indirect bonding tray materials, Emiluma/Lumaloc and Star VPS were compared in this study. The attenuation coefficient ultimately provides the clinician with information about how much light is absorbed when transmitting through a given material at a given thickness. The attenuation coefficient for Star VPS was significantly lower than the attenuation coefficient for Emiluma/Lumaloc, therefore proving our hypothesis that there was a difference between the attenuation coefficients of the two materials. Emiluma/Lumaloc, a dual layer tray material, has a higher attenuation coefficient and naturally absorbs more light than Star VPS, a cheaper, single layer bite registration material.

Determining the attenuation coefficient of a given material is a useful tool for the practitioner. The minimal light intensity that is needed for a polymerization reaction is 300mW/cm².²¹ The majority of today's LED curing lights range have intensities well over 1000mW/cm². Tray material thicknesses can vary depending on the technique of the provider. With the attenuation coefficient of each material, the provider can use the measurement of the tray material and the claimed intensity of the given light source and determine how much light will get absorbed by the material. This will give them the opportunity to verify that they have the minimum light intensity to cure their materials and adjust the length of time accordingly. Table 7 provides an example of thicknesses and the effect the material has on the intensity. Using the equation, $I = I_0 e^{-\mu x}$, with a claimed irradiance of 1200mw/cm² and the determined attenuation coefficients for Star and

Emiluma/Lumaloc, at thickness x , the light intensity through the material is as follows:

Thickness (mm)	Intensity (mw/cm ²)	
	Star $\mu=0.0588$	EL/LL $\mu=0.0986$
2	1066.86	985.23
3	1005.94	892.72
4	948.50	808.90
5	894.33	732.95
6	843.26	664.13
7	795.11	601.77
8	749.70	545.27
9	706.89	494.07
10	666.52	447.68

Table 7. Irradiances based on a 1200 mw/cm² initial light intensity at various thicknesses of Star and Emiluma/Lumaloc.

Even at 10mm of thickness theoretically, for both materials, the polymerization requirements are still met and therefore a bond will still form. At lower intensities, however, it is recommended to cure for longer periods of time. Rueggeberg et al found that at 400mw/cm², 60 seconds of cure is recommended to make up for the lack of intensity.¹⁰ At 10, 20, and 30 seconds time intervals, it would be reasonable to expect to obtain a poor degree of polymerization at the higher thicknesses. It is therefore important to test the degree of conversion at the thicknesses expected to see in indirect bonding to determine if the amount of cure is sufficient at these time intervals.

This experiment tested the degree of conversion through these materials as well as another material, Biocryl/Bioplast, and air which was used as a control. Because Biocryl/Bioplast has only one inherent thickness and there is no variation

in the thickness throughout the tray, there was minimal use for finding its attenuation coefficient.

Thicknesses of Emiluma/Lumaloc and Star VPS ranged from 2-6mm while air, as a control ranged from 0-6mm. With decreasing theoretical transmittances calculated using the attenuation coefficient of Star and Emiluma/Lumaloc, one could expect to see a decreased degree of polymerization with increasing thicknesses of the material. However, this study showed that 0-6mm distance/thickness made no difference in degree of conversion. Length of cure, on the other hand, had a significant effect on Air, Star, and Emiluma/Lumaloc, however had no effect on Biocryl/Bioplast.

For Air, the degree of conversion curing for 10 seconds was 13% and 17% less than curing for 20 and 30 seconds respectively. For Star VPS, though thickness alone had no effect on degree of conversion, there was an interaction effect with length of cure. At 4 and 5mm, there was no difference however at 2, 3, and 6mm, curing for 10 seconds instead of 20 or 30 gave a significantly lower degree of conversion but ultimately only equated to 4-8% less respectively. With Emiluma/Lumaloc, curing for 10 seconds yielded 4% and 10% less degree of conversion than curing for 20 and 30 seconds respectively.

Increasing length of cure typically does increase the amount of polymerization. For Biocryl/Bioplast and Star VPS at 4 and 5 mm, varying the length of time had no effect on the degree of conversion. This could suggest that at these thicknesses of these materials, the amount of light that can be transmitted may be at a plateau regardless of how long it is irradiated up to 30 seconds.

Collectively, the degree of conversion was lower for Biocryl/Bioplast than the other materials but only by about 8%. For all of the materials except Biocryl/Bioplast combined with regards to the median, curing for 10 seconds was about 6% and 8% less than curing for 20 and 30 seconds respectively. Though these differences were statistically significant, the minimal variation in degree of conversion between all of the materials may be clinically insignificant. The conversion amounts were all in the normal range of 55-70% for BisGMA composites described by Rueggeberg in 2002. Therefore, curing for 10 seconds may be sufficient for adequate bond strength, however more studies will need to be conducted.

This study was designed with optimal conditions in mind and was done without regard to the intraoral environment and without the added factor of a bracket- enamel interface. Curing a bracket to a tooth involves curing the composite on the back of an opaque bracket base and therefore creating another obstacle to polymerization. Therefore, to determine if the degree of conversion is adequate through these materials, a more significant test would be to evaluate the shear bond strength of brackets bonded to enamel through the different materials at various thicknesses and durations of cure.

Finding the attenuation coefficient of each Star VPS was done by looking at the light transmission through increasing thicknesses of a uniform material. For Emiluma/Lumaloc, for simplicity, the attenuation coefficient was found by keeping the thickness of Emiluma constant while varying the thickness of Lumaloc. When trays are fabricated with these materials, the Emiluma thickness is likely to be

around 2mm, but could vary with each fabrication by +/- 1-2 mm. Therefore, further studies to test the attenuation of Emiluma/Lumaloc could be done varying the thickness of Emiluma rather than keeping it constant.

Because the degree of polymerization through tray materials has never been tested, the initial power analysis was done based off predictions of our hypothesis and expected differences amongst the materials at different thicknesses. A post-hoc power analysis was performed to ensure the validity and strength of the sample size. In our study, we found that only the conversion of Biocryl/Bioplast was significantly lower than all other materials and that the others were not significantly different from each other. With an N of 153, the post hoc test showed that there was only 55% power to distinguish the difference between Star VPS, Air, and Emiluma/Lumaloc. To get at least 80% power, 270 total samples would have been needed to prove a difference between the materials. Therefore, the differences between the materials were ultimately very small with regards to their effect on degree of conversion. It is also important to note that comparing these various materials was complicated by the fact that these materials are naturally different thicknesses. Air ranged from 0-6mm, Star VPS ranging from 2-6mm and Emiluma/Lumaloc ranged from 4-6mm, and Biocryl/Bioplast was only one thickness at 2mm. Therefore, the values for comparing like thicknesses were limited which also probably contributed to the weakness of the study to prove differences amongst the materials. The post hoc power analysis for length of cure and the interaction effect between length of cure and material were over 90%

additionally proving that the sample size created a great enough power to detect the differences.

Similarly designed studies have been done in the past mainly by testing the degree of conversion through different thicknesses of ceramic to ensure adequate bond strengths of ceramic restorations to teeth. Bansal et al found that for various ceramics, the degree of conversion decreased with thicknesses over 4mm. The degree of cure was affected by the type of ceramic as well. Some of them were more translucent than others. They used a 600mw/cm² light rather than 1200mw/cm² and tested for significantly longer periods of time. They found that increasing irradiation time from 40 seconds to 60 seconds and then to 80 seconds significantly increased the depth of cure however was not always consistent. Overall, in this study, the degree of cure was affected by the type, thickness, and irradiation time. This study was evaluating multiple translucent materials that had very little differences amongst them, so length of cure was the main factor that affected the degree of conversion. The statistically significant differences that were found amongst these time groups and between Biocryl/Bioplast vs the other materials, however, only had differences equating to less than 10% differences in degree of conversion. Further studies looking at the shear bond strengths would be a good indicator of if these statistically significant differences really did make a difference clinically.

VI. CONCLUSIONS

1. The attenuation coefficient for Star VPS is statistically lower than Emiluma/Lumaloc and therefore is slightly more translucent. Testing the degree of conversion through both materials however, showed very little variation. Therefore, though the difference is statistically significant, it did not have a significant effect on the degree of conversion.
2. For all materials and thicknesses/distances except for Biocryl/Bioplast and Star at 4 and 5mm, when curing 10-30 seconds the greater the length of cure, the greater the degree of polymerization.
3. Overall, all of the materials at 10, 20, and 30 seconds had degrees of conversion that are within the normal range for BIS-GMA composites. Therefore, the material used and then length of cure between 10-30 seconds shouldn't have an effect on indirect bonding success, however more studies would be beneficial.

VII. APPENDEX A: Attenuation Coefficient Data

Star Trial 1 Mean Data

																	X ^T X
			%T			1/(T/100)						471.637					
nm/mm	2.28	4.22	6.32	8.40	8.97	10.29	12.32	2.280	4.220	6.320	8.400	8.970	10.290	12.320	X ^T T	(X ^T X) ⁻¹ X ^T T	
400.07	99.82	98.44	108.03	85.43	90.91	83.91	75.57	1.002	1.016	0.926	1.171	1.100	1.192	1.323	7.016	8.851	
400.27	99.34	97.02	106.89	83.43	89.67	82.52	75.22	1.007	1.031	0.936	1.199	1.115	1.212	1.329	7.707	0.016	
400.48	98.96	95.91	105.85	83.21	88.97	82.04	74.92	1.010	1.043	0.945	1.202	1.124	1.219	1.335	8.027	0.017	
400.68	97.77	94.55	104.32	83.23	87.49	81.20	74.12	1.023	1.058	0.959	1.202	1.143	1.232	1.349	8.594	0.018	
400.89	97.47	94.40	103.29	82.77	87.21	81.15	73.53	1.026	1.059	0.968	1.208	1.147	1.232	1.360	8.851	0.019	
401.10	97.18	94.41	103.23	82.23	86.71	81.50	73.46	1.029	1.059	0.969	1.216	1.153	1.227	1.361	8.934	0.019	
401.30	97.62	94.23	103.90	82.80	86.91	81.60	73.32	1.024	1.061	0.962	1.208	1.151	1.226	1.364	8.823	0.019	
401.51	97.36	93.53	103.17	81.28	86.37	81.21	72.70	1.027	1.069	0.969	1.230	1.158	1.231	1.375	9.271	0.020	
401.71	97.34	93.04	102.52	81.37	86.23	80.79	72.73	1.027	1.075	0.975	1.229	1.160	1.238	1.375	9.389	0.020	
401.92	96.91	93.12	102.54	81.48	86.20	80.92	72.58	1.032	1.074	0.975	1.227	1.160	1.236	1.378	9.393	0.020	
402.13	97.03	92.56	101.96	81.00	85.50	79.43	71.79	1.031	1.080	0.981	1.235	1.170	1.259	1.393	9.899	0.021	
402.33	97.18	91.47	99.98	79.49	84.77	78.57	70.55	1.029	1.093	1.000	1.258	1.180	1.273	1.417	10.632	0.023	
402.54	98.21	91.76	100.45	80.47	85.83	78.49	71.10	1.018	1.090	0.996	1.243	1.165	1.274	1.406	10.265	0.022	
402.74	98.35	91.39	100.18	80.84	85.46	78.18	70.12	1.017	1.094	0.998	1.237	1.170	1.279	1.426	10.510	0.022	
402.95	97.51	91.23	98.92	79.70	84.79	77.65	69.06	1.026	1.096	1.011	1.255	1.179	1.288	1.448	11.065	0.023	
403.16	96.67	90.59	97.91	79.15	84.46	77.06	68.43	1.034	1.104	1.021	1.263	1.184	1.298	1.461	11.463	0.024	
403.36	96.03	89.98	97.77	78.80	84.42	76.49	68.04	1.041	1.111	1.023	1.269	1.185	1.307	1.470	11.703	0.025	
403.57	95.32	90.14	97.92	78.41	84.50	76.04	68.32	1.049	1.109	1.021	1.275	1.183	1.315	1.464	11.745	0.025	
403.77	97.97	91.76	99.59	79.46	86.18	77.69	69.74	1.021	1.090	1.004	1.258	1.160	1.287	1.434	10.737	0.023	
403.98	98.92	91.92	99.41	80.05	86.34	77.49	70.52	1.011	1.088	1.006	1.249	1.158	1.290	1.418	10.531	0.022	
404.18	97.48	90.48	98.01	78.89	84.23	76.35	69.40	1.026	1.105	1.020	1.268	1.187	1.310	1.441	11.415	0.024	
404.39	98.18	90.36	97.82	78.43	84.07	76.76	69.41	1.019	1.107	1.022	1.275	1.189	1.303	1.441	11.427	0.024	
404.60	99.15	91.16	98.54	79.47	85.25	77.99	70.16	1.009	1.097	1.015	1.258	1.173	1.282	1.425	10.788	0.023	
404.80	99.18	91.20	98.04	79.05	85.29	77.36	69.82	1.008	1.096	1.020	1.265	1.172	1.293	1.432	11.002	0.023	
405.01	100.40	92.18	99.08	79.07	85.74	77.60	70.56	0.996	1.085	1.009	1.265	1.166	1.289	1.417	10.651	0.023	
405.21	99.55	91.01	98.89	78.02	85.11	76.57	70.03	1.005	1.099	1.011	1.282	1.175	1.306	1.428	11.147	0.024	
405.42	98.49	90.08	97.67	77.70	83.84	75.25	69.21	1.015	1.110	1.024	1.287	1.193	1.329	1.445	11.786	0.025	
405.62	98.28	89.73	96.71	76.58	83.44	74.58	68.91	1.017	1.114	1.034	1.306	1.198	1.341	1.451	12.180	0.026	
405.83	97.04	89.51	95.85	76.35	82.71	74.23	68.24	1.030	1.117	1.043	1.310	1.209	1.347	1.465	12.547	0.027	
406.04	97.94	90.02	96.36	76.53	83.29	74.29	68.73	1.021	1.111	1.038	1.307	1.201	1.346	1.455	12.291	0.026	
406.24	98.52	90.83	96.30	77.54	83.77	74.97	69.28	1.015	1.101	1.038	1.290	1.194	1.334	1.443	11.890	0.025	
406.45	97.91	90.77	96.03	77.10	83.61	74.94	68.73	1.021	1.102	1.041	1.297	1.196	1.334	1.455	12.092	0.026	
406.65	97.33	90.76	96.93	77.59	83.93	74.49	69.21	1.027	1.102	1.032	1.289	1.191	1.342	1.445	11.935	0.025	
406.86	96.16	89.65	95.69	76.20	82.59	73.71	68.06	1.040	1.115	1.045	1.312	1.211	1.357	1.469	12.708	0.027	
407.06	94.88	88.41	94.69	75.15	81.23	72.98	67.18	1.054	1.131	1.056	1.331	1.231	1.370	1.488	13.391	0.028	
407.27	94.94	88.66	94.60	75.74	80.97	72.62	67.28	1.053	1.128	1.057	1.320	1.235	1.377	1.486	13.379	0.028	
407.47	96.09	89.27	95.49	75.92	81.04	72.69	67.39	1.041	1.120	1.047	1.317	1.234	1.376	1.484	13.207	0.028	
407.68	95.50	88.24	94.37	75.14	79.81	71.77	66.16	1.047	1.133	1.060	1.331	1.253	1.393	1.511	13.925	0.030	
407.89	96.30	88.12	93.61	75.55	79.79	71.76	66.36	1.038	1.135	1.068	1.324	1.253	1.394	1.507	13.885	0.029	
408.09	94.77	87.12	93.75	74.33	78.58	70.12	65.78	1.055	1.148	1.090	1.345	1.273	1.426	1.520	14.715	0.031	
408.30	94.37	86.84	91.47	73.65	77.95	70.03	64.90	1.060	1.152	1.093	1.358	1.283	1.428	1.541	15.086	0.032	
408.50	94.36	85.93	90.80	73.22	77.88	69.36	64.56	1.060	1.164	1.101	1.366	1.284	1.442	1.549	15.398	0.033	
408.71	94.22	86.31	90.86	73.77	78.42	69.33	64.54	1.061	1.159	1.101	1.356	1.275	1.442	1.549	15.263	0.032	
408.91	93.67	85.73	90.46	73.72	77.47	68.22	63.68	1.068	1.166	1.105	1.357	1.291	1.466	1.570	15.779	0.033	
409.12	93.58	85.69	90.54	73.63	77.32	68.00	63.11	1.069	1.167	1.104	1.358	1.293	1.471	1.585	15.948	0.034	
409.32	92.68	84.81	89.89	72.91	76.68	67.07	62.25	1.079	1.179	1.112	1.372	1.304	1.491	1.607	16.529	0.035	
409.53	92.85	84.85	89.46	73.05	75.87	67.26	61.52	1.077	1.179	1.118	1.369	1.318	1.487	1.625	16.747	0.036	
409.73	93.04	84.20	88.81	72.17	75.65	66.95	61.14	1.075	1.188	1.126	1.386	1.322	1.494	1.636	17.074	0.036	
409.94	92.38	84.04	88.08	71.90	74.78	66.77	60.07	1.083	1.190	1.135	1.391	1.337	1.498	1.665	17.530	0.037	
410.15	92.66	83.53	88.42	71.58	74.90	66.50	59.81	1.079	1.197	1.131	1.397	1.335	1.504	1.672	17.644	0.037	
410.35	91.78	82.57	87.23	70.86	73.60	65.42	58.35	1.090	1.211	1.146	1.411	1.359	1.529	1.714	18.516	0.039	
410.56	91.37	82.03	86.52	69.50	73.15	64.69	57.52	1.094	1.219	1.156	1.439	1.367	1.546	1.739	19.114	0.041	
410.76	91.85	82.26	86.85	69.67	73.17	64.53	57.42	1.089	1.216	1.151	1.435	1.367	1.550	1.742	19.090	0.040	
410.97	91.50	82.01	86.04	69.03	72.32	64.22	56.25	1.093	1.219	1.162	1.449	1.383	1.557	1.778	19.656	0.042	
411.17	91.67	82.47	86.43	69.24	72.59	64.18	56.39	1.091	1.213	1.157	1.444	1.378	1.558	1.774	19.517	0.041	
411.38	91.78	82.59	86.16	69.20	72.42	63.90	56.22	1.090	1.211	1.161	1.445	1.381	1.565	1.779	19.635	0.042	
411.58	91.42	81.73	85.38	68.53	72.04	63.84	55.99	1.094	1.224	1.171	1.459	1.388	1.566	1.786	19.934	0.042	
411.79	90.59	81.16	84.24	67.88	71.42	63.50	55.28	1.104	1.232	1.187	1.473	1.400	1.575	1.809	20.441	0.043	
411.99	90.72	81.05	84.01	67.54	71.45	63.85	54.98	1.102	1.234	1.190	1.481	1.400	1.566	1.819	20.508	0.043	
412.20	90.55	80.97	83.90	67.19	71.17	63.66	54.68	1.104	1.235	1.192	1.488	1.405	1.571	1.829	20.702	0.044	
412.40	89.96	80.36	83.71	66.56	70.39	63.02	53.36	1.112	1.244	1.195	1.502	1.421	1.587	1.874	21.346	0.045	
412.61	89.68	80.15	83.66	66.55	69.95	62.45	53.23	1.115	1.248	1.195	1.503	1.430	1.601	1.879	21.548	0.046	
412.81	89.85	80.37	83.24	66.28	69.80	62.21											

413.02	89.49	79.71	82.63	65.56	68.98	61.45	52.59	1.117	1.255	1.210	1.525	1.450	1.627	1.902	22.222	0.047
413.23	89.08	79.16	81.44	64.54	67.92	60.64	51.68	1.123	1.263	1.228	1.550	1.472	1.649	1.935	22.977	0.049
413.43	88.62	78.65	80.61	63.83	67.24	60.15	51.30	1.128	1.271	1.241	1.567	1.487	1.663	1.949	23.488	0.050
413.64	88.70	78.86	80.40	63.71	67.19	60.31	50.74	1.127	1.268	1.244	1.570	1.488	1.658	1.971	23.571	0.050
413.84	88.26	78.69	80.18	63.21	67.02	59.46	50.37	1.133	1.271	1.247	1.582	1.492	1.682	1.985	23.935	0.051
414.05	88.32	79.13	80.07	63.26	66.42	59.26	50.21	1.132	1.264	1.249	1.581	1.506	1.687	1.992	24.065	0.051
414.25	88.42	78.94	79.66	63.27	66.06	59.24	50.07	1.131	1.267	1.255	1.580	1.514	1.688	1.997	24.190	0.051
414.46	88.92	79.14	79.52	63.17	65.76	59.11	49.66	1.125	1.264	1.258	1.583	1.521	1.692	2.014	24.356	0.052
414.66	89.06	78.97	79.14	62.86	65.55	59.06	49.39	1.123	1.266	1.264	1.591	1.526	1.693	2.025	24.539	0.052
414.87	88.65	78.61	78.63	62.65	65.02	58.62	48.94	1.128	1.272	1.272	1.596	1.538	1.706	2.043	24.898	0.053
415.07	88.19	78.14	77.82	61.91	64.35	58.11	48.37	1.134	1.280	1.285	1.615	1.554	1.721	2.067	25.429	0.054
415.28	88.02	77.79	77.48	61.77	64.16	57.83	48.39	1.136	1.286	1.291	1.619	1.559	1.729	2.066	25.570	0.054
415.48	87.57	77.11	76.74	60.98	63.41	57.16	47.92	1.142	1.297	1.303	1.640	1.577	1.749	2.087	26.130	0.055
415.69	87.73	77.13	76.70	60.86	63.34	57.07	47.60	1.140	1.296	1.304	1.643	1.579	1.752	2.101	26.256	0.056
415.89	87.71	77.01	76.16	60.17	62.69	56.56	47.18	1.140	1.298	1.313	1.662	1.595	1.768	2.120	26.698	0.057
416.10	87.35	76.44	75.49	59.26	61.94	55.97	46.57	1.145	1.308	1.325	1.687	1.615	1.787	2.147	27.298	0.058
416.30	87.57	76.17	75.00	59.09	61.45	55.41	46.30	1.142	1.313	1.333	1.692	1.627	1.805	2.160	27.619	0.059
416.51	87.48	75.85	74.67	58.42	60.83	54.88	45.68	1.143	1.318	1.339	1.712	1.644	1.822	2.189	28.119	0.060
416.71	87.85	75.96	74.36	58.22	60.65	54.95	45.38	1.138	1.316	1.345	1.717	1.649	1.820	2.204	28.253	0.060
416.92	87.56	75.74	73.68	57.80	60.07	54.54	44.86	1.142	1.320	1.357	1.730	1.665	1.833	2.229	28.697	0.061
417.12	87.54	75.48	73.61	57.55	59.79	54.32	44.58	1.142	1.325	1.359	1.738	1.673	1.841	2.243	28.914	0.061
417.33	87.23	75.12	73.11	57.27	59.36	53.86	43.98	1.146	1.331	1.368	1.746	1.685	1.857	2.274	29.344	0.062
417.53	87.26	75.29	73.08	57.12	59.28	53.61	43.64	1.146	1.328	1.368	1.751	1.687	1.865	2.291	29.515	0.063
417.74	86.82	74.84	72.41	56.42	58.43	53.03	42.94	1.152	1.336	1.381	1.773	1.711	1.886	2.329	30.155	0.064
417.94	86.73	74.63	72.01	56.22	58.13	52.57	42.88	1.153	1.340	1.389	1.779	1.720	1.902	2.332	30.389	0.064
418.15	86.67	74.49	71.57	56.01	57.77	52.42	42.70	1.154	1.343	1.397	1.785	1.731	1.908	2.342	30.604	0.065
418.35	86.58	74.17	71.23	55.75	57.76	52.23	42.34	1.155	1.348	1.404	1.794	1.731	1.915	2.362	30.838	0.065
418.56	86.57	73.96	71.15	55.34	57.40	51.65	41.95	1.155	1.352	1.406	1.807	1.742	1.936	2.384	31.204	0.066
418.76	85.97	73.40	70.48	54.80	56.72	50.91	41.46	1.163	1.362	1.419	1.825	1.763	1.964	2.412	31.795	0.067
418.97	85.60	73.23	70.39	54.50	56.55	50.65	41.28	1.168	1.366	1.421	1.835	1.768	1.974	2.422	31.999	0.068
419.17	85.42	72.91	70.11	54.01	56.11	50.16	40.90	1.171	1.372	1.426	1.851	1.782	1.994	2.445	32.409	0.069
419.38	85.05	72.70	69.72	53.76	55.76	49.64	40.50	1.176	1.376	1.434	1.860	1.794	2.014	2.469	32.789	0.070
419.58	85.18	72.76	69.62	53.53	55.66	49.40	40.18	1.174	1.374	1.436	1.868	1.796	2.024	2.489	32.992	0.070
419.79	84.94	72.66	69.26	53.35	55.50	49.17	39.82	1.177	1.376	1.444	1.874	1.802	2.034	2.511	33.247	0.070
419.99	84.87	72.68	69.15	53.12	55.44	49.04	39.87	1.178	1.376	1.446	1.883	1.804	2.039	2.508	33.318	0.071
420.20	84.89	72.60	69.15	53.17	55.35	48.81	39.66	1.178	1.377	1.446	1.881	1.807	2.049	2.522	33.444	0.071
420.40	84.85	72.40	68.92	52.98	55.04	48.64	39.31	1.179	1.381	1.451	1.887	1.817	2.056	2.544	33.701	0.071
420.61	84.46	72.30	68.66	52.47	54.56	48.35	38.98	1.184	1.383	1.457	1.906	1.833	2.068	2.565	34.067	0.072
420.81	84.32	72.22	68.32	52.28	54.37	48.05	38.83	1.186	1.385	1.464	1.913	1.839	2.081	2.575	34.280	0.073
421.02	84.01	71.90	67.95	51.88	54.00	47.64	38.69	1.190	1.391	1.472	1.928	1.852	2.099	2.585	34.600	0.073
421.22	84.02	71.81	67.87	51.75	53.87	47.51	38.62	1.190	1.393	1.473	1.933	1.856	2.105	2.589	34.707	0.074
421.43	83.98	71.83	67.77	51.49	53.67	47.19	38.40	1.191	1.392	1.476	1.942	1.863	2.119	2.604	34.930	0.074
421.63	83.85	71.78	67.48	51.11	53.29	46.89	38.15	1.193	1.393	1.482	1.957	1.876	2.133	2.622	35.237	0.075
421.84	83.98	71.67	67.41	50.86	53.11	46.75	37.99	1.191	1.395	1.483	1.966	1.883	2.139	2.632	35.399	0.075
422.04	84.16	71.79	67.53	50.91	53.14	46.69	38.05	1.188	1.393	1.481	1.964	1.882	2.142	2.628	35.357	0.075
422.24	83.97	71.54	67.28	50.53	52.84	46.35	37.65	1.191	1.398	1.486	1.979	1.893	2.158	2.656	35.721	0.076
422.45	83.98	71.42	67.09	50.27	52.57	46.11	37.40	1.191	1.400	1.490	1.989	1.902	2.169	2.674	35.967	0.076
422.65	83.76	71.23	66.83	49.89	52.19	45.78	37.07	1.194	1.404	1.496	2.004	1.916	2.184	2.698	36.324	0.077
422.86	83.61	71.13	66.64	49.60	52.08	45.63	36.97	1.196	1.406	1.501	2.016	1.920	2.191	2.705	36.483	0.077
423.06	83.75	71.38	66.70	49.59	52.12	45.68	36.92	1.194	1.401	1.499	2.017	1.919	2.189	2.708	36.461	0.077
423.27	83.67	71.29	66.48	49.36	51.83	45.46	36.69	1.195	1.403	1.504	2.026	1.930	2.200	2.725	36.708	0.078
423.47	83.58	71.13	66.29	49.22	51.64	45.31	36.50	1.196	1.406	1.509	2.032	1.937	2.207	2.739	36.889	0.078
423.68	83.50	71.02	66.14	48.94	51.45	45.16	36.33	1.198	1.408	1.512	2.043	1.944	2.215	2.753	37.089	0.079
423.88	83.45	70.94	65.98	48.81	51.27	45.04	36.21	1.198	1.410	1.516	2.049	1.950	2.220	2.762	37.232	0.079
424.09	83.55	70.85	65.91	48.58	51.06	44.81	36.02	1.197	1.411	1.517	2.058	1.958	2.232	2.776	37.431	0.079
424.29	83.52	70.74	65.74	48.32	50.85	44.58	35.81	1.197	1.414	1.521	2.069	1.966	2.243	2.792	37.662	0.080
424.50	83.36	70.53	65.57	48.07	50.59	44.35	35.55	1.200	1.418	1.525	2.080	1.977	2.255	2.813	37.930	0.080
424.70	83.41	70.55	65.56	47.91	50.54	44.16	35.46	1.199	1.417	1.525	2.087	1.979	2.264	2.820	38.040	0.081
424.91	83.37	70.57	65.49	47.84	50.45	44.01	35.33	1.199	1.417	1.527	2.090	1.982	2.272	2.831	38.155	0.081
425.11	83.36	70.51	65.48	47.69	50.33	43.93	35.13	1.200	1.418	1.527	2.097	1.987	2.276	2.847	38.295	0.081
425.31	83.44	70.51	65.49	47.64	50.27	43.83	34.99	1.198	1.418	1.527	2.099	1.989	2.282	2.858	38.386	0.081
425.52	83.41	70.38	65.34	47.37	50.08	43.67	34.77	1.199	1.421	1.530	2.111	1.997	2.290	2.876	38.606	0.082
425.72	83.31	70.30	65.22	47.22	49.94	43.57	34.62	1.200	1.423	1.533	2.118	2.002	2.295	2.888	38.751	0.082
425.93	83.26	70.25	65.20	47.16	49.92	43.54	34.57	1.201	1.424	1.534	2.120	2.003	2.297	2.892	38.798	0.082
426.13	83.06	70.11	65.08	46.94	49.77	43.34	34.40	1.204	1.426	1.537	2.131	2.009	2.307	2.907	39.000	0.083
426.34	82.91	69.99	64.95	46.77	49.66	43.20	34.28	1.206	1.429	1.540	2.138	2.014	2.315	2.917	39.150	0.083
426.54	82.94	69.99	64.92	46.63	49.54	43.11	34.20	1.206	1.429	1.540	2.145	2.019	2.320	2.924	39.248	0.083
426.75	82.86	69.97	64.86	46.51	49.45	42.99	34.09	1.207	1.429	1.542	2.150	2.022	2.326	2.933	39.366	0.083
426.95	82.92	70.01	64.87	46.48	49.44	42.95	34.05	1.206	1.428	1.542	2.151	2.023	2.328	2.937	39.390	0.084
427.16	82.90	69.93	64.79	46.34	49.30	42.79	33.91	1.206	1.430	1.544	2.158	2.029	2.337			

427.36	82.84	69.82	64.70	46.18	49.16	42.65	33.80	1.207	1.432	1.546	2.165	2.034	2.345	2.959	39.688	0.084
427.56	82.89	69.80	64.66	46.07	49.11	42.54	33.75	1.206	1.433	1.547	2.170	2.036	2.350	2.963	39.765	0.084
427.77	82.94	69.82	64.65	45.94	49.03	42.45	33.68	1.206	1.432	1.547	2.177	2.039	2.356	2.970	39.851	0.084
427.97	82.99	69.79	64.62	45.86	48.93	42.36	33.59	1.205	1.433	1.547	2.181	2.044	2.361	2.977	39.940	0.085
428.18	82.88	69.74	64.52	45.67	48.80	42.22	33.46	1.207	1.434	1.550	2.190	2.049	2.369	2.988	40.099	0.085
428.38	82.90	69.78	64.55	45.62	48.75	42.24	33.45	1.206	1.433	1.549	2.192	2.051	2.367	2.989	40.110	0.085
428.59	82.87	69.76	64.52	45.56	48.66	42.17	33.37	1.207	1.434	1.550	2.195	2.055	2.371	2.997	40.189	0.085
428.79	82.89	69.80	64.54	45.47	48.63	42.12	33.34	1.206	1.433	1.549	2.199	2.056	2.374	3.000	40.230	0.085
428.99	82.87	69.80	64.53	45.41	48.60	42.06	33.30	1.207	1.433	1.550	2.202	2.058	2.378	3.003	40.280	0.085
429.20	82.87	69.71	64.48	45.29	48.54	41.94	33.18	1.207	1.434	1.551	2.208	2.060	2.384	3.014	40.394	0.086
429.40	82.80	69.68	64.42	45.15	48.44	41.86	33.11	1.208	1.435	1.552	2.215	2.065	2.389	3.021	40.496	0.086
429.61	82.73	69.64	64.41	45.07	48.34	41.80	33.05	1.209	1.436	1.553	2.219	2.069	2.392	3.026	40.569	0.086
429.81	82.69	69.63	64.38	45.01	48.30	41.75	33.01	1.209	1.436	1.553	2.222	2.070	2.395	3.029	40.621	0.086
430.02	82.63	69.57	64.32	44.91	48.20	41.63	32.95	1.210	1.437	1.555	2.227	2.074	2.402	3.035	40.721	0.086
430.22	82.63	69.57	64.31	44.82	48.12	41.56	32.88	1.210	1.437	1.555	2.231	2.078	2.406	3.041	40.794	0.086
430.43	82.60	69.57	64.28	44.76	48.07	41.52	32.85	1.211	1.437	1.556	2.234	2.080	2.409	3.044	40.843	0.087
430.63	82.61	69.58	64.29	44.68	48.01	41.46	32.78	1.211	1.437	1.556	2.238	2.083	2.412	3.051	40.909	0.087
430.83	82.59	69.56	64.28	44.63	48.00	41.41	32.72	1.211	1.438	1.556	2.241	2.083	2.415	3.056	40.956	0.087
431.04	82.60	69.55	64.28	44.54	47.95	41.38	32.68	1.211	1.438	1.556	2.245	2.085	2.416	3.060	41.005	0.087
431.24	82.59	69.52	64.28	44.46	47.92	41.33	32.63	1.211	1.438	1.556	2.249	2.087	2.419	3.065	41.061	0.087
431.45	82.58	69.57	64.29	44.43	47.89	41.30	32.61	1.211	1.437	1.555	2.251	2.088	2.421	3.067	41.083	0.087
431.65	82.56	69.55	64.28	44.35	47.86	41.28	32.58	1.211	1.438	1.556	2.255	2.089	2.423	3.069	41.121	0.087
431.85	82.55	69.55	64.28	44.28	47.81	41.24	32.53	1.211	1.438	1.556	2.258	2.092	2.425	3.074	41.177	0.087
432.06	82.54	69.53	64.29	44.23	47.76	41.20	32.50	1.211	1.438	1.555	2.261	2.094	2.427	3.077	41.214	0.087
432.26	82.51	69.53	64.29	44.17	47.73	41.17	32.46	1.212	1.438	1.556	2.264	2.095	2.429	3.081	41.256	0.087
432.47	82.53	69.54	64.35	44.14	47.69	41.13	32.45	1.212	1.438	1.554	2.266	2.097	2.431	3.082	41.276	0.088
432.67	82.52	69.50	64.35	44.07	47.66	41.07	32.41	1.212	1.439	1.554	2.269	2.098	2.435	3.085	41.327	0.088
432.88	82.54	69.51	64.39	44.04	47.65	41.05	32.38	1.212	1.439	1.553	2.271	2.099	2.436	3.088	41.347	0.088
433.08	82.54	69.51	64.39	43.98	47.63	41.02	32.35	1.212	1.439	1.553	2.274	2.099	2.438	3.091	41.381	0.088
433.28	82.59	69.52	64.41	43.96	47.62	41.00	32.33	1.211	1.438	1.552	2.275	2.100	2.439	3.093	41.395	0.088
433.49	82.58	69.49	64.43	43.90	47.59	40.99	32.31	1.211	1.439	1.552	2.278	2.101	2.440	3.095	41.426	0.088
433.69	82.59	69.49	64.43	43.86	47.57	40.95	32.30	1.211	1.439	1.552	2.280	2.102	2.442	3.096	41.449	0.088
433.90	82.62	69.51	64.46	43.81	47.58	40.94	32.29	1.210	1.439	1.551	2.282	2.102	2.442	3.097	41.456	0.088
434.10	82.63	69.53	64.49	43.77	47.56	40.91	32.25	1.210	1.438	1.551	2.285	2.103	2.444	3.101	41.489	0.088
434.30	82.65	69.52	64.51	43.73	47.54	40.90	32.22	1.210	1.438	1.550	2.287	2.103	2.445	3.104	41.510	0.088
434.51	82.63	69.49	64.50	43.67	47.51	40.86	32.18	1.210	1.439	1.550	2.290	2.105	2.448	3.107	41.558	0.088
434.71	82.67	69.51	64.55	43.65	47.51	40.85	32.18	1.210	1.439	1.549	2.291	2.105	2.448	3.107	41.554	0.088
434.92	82.69	69.54	64.58	43.62	47.50	40.83	32.18	1.209	1.438	1.549	2.293	2.105	2.449	3.108	41.566	0.088
435.12	82.70	69.55	64.61	43.59	47.48	40.82	32.16	1.209	1.438	1.548	2.294	2.106	2.450	3.109	41.579	0.088
435.32	82.69	69.56	64.64	43.56	47.47	40.79	32.14	1.209	1.438	1.547	2.296	2.106	2.452	3.112	41.599	0.088
435.53	82.69	69.56	64.65	43.52	47.45	40.77	32.12	1.209	1.438	1.547	2.298	2.107	2.453	3.113	41.622	0.088
435.73	82.68	69.53	64.67	43.46	47.43	40.74	32.10	1.209	1.438	1.546	2.301	2.108	2.455	3.115	41.651	0.088
435.94	82.69	69.55	64.71	43.44	47.41	40.71	32.08	1.209	1.438	1.545	2.302	2.109	2.456	3.117	41.670	0.088
436.14	82.69	69.56	64.73	43.41	47.40	40.70	32.06	1.209	1.438	1.545	2.304	2.110	2.457	3.119	41.686	0.088
436.34	82.69	69.57	64.74	43.37	47.39	40.68	32.05	1.209	1.437	1.545	2.306	2.110	2.458	3.120	41.703	0.088
436.55	82.69	69.59	64.78	43.35	47.39	40.67	32.04	1.209	1.437	1.544	2.307	2.110	2.459	3.121	41.709	0.088
436.75	82.67	69.57	64.77	43.31	47.38	40.65	32.02	1.210	1.437	1.544	2.309	2.111	2.460	3.124	41.733	0.088
436.96	82.70	69.60	64.80	43.28	47.38	40.64	32.00	1.209	1.437	1.543	2.310	2.111	2.461	3.125	41.744	0.089
437.16	82.70	69.60	64.80	43.24	47.35	40.63	31.99	1.209	1.437	1.543	2.312	2.112	2.461	3.126	41.761	0.089
437.36	82.69	69.60	64.82	43.22	47.34	40.61	31.98	1.209	1.437	1.543	2.314	2.112	2.463	3.127	41.780	0.089
437.57	82.66	69.59	64.83	43.17	47.31	40.59	31.96	1.210	1.437	1.543	2.316	2.114	2.464	3.129	41.807	0.089
437.77	82.67	69.61	64.86	43.14	47.30	40.58	31.95	1.210	1.437	1.542	2.318	2.114	2.464	3.130	41.813	0.089
437.98	82.68	69.63	64.90	43.12	47.31	40.58	31.95	1.209	1.436	1.541	2.319	2.114	2.464	3.130	41.813	0.089
438.18	82.68	69.62	64.93	43.10	47.30	40.56	31.93	1.209	1.436	1.540	2.320	2.114	2.466	3.132	41.829	0.089
438.38	82.68	69.62	64.95	43.07	47.29	40.54	31.93	1.209	1.436	1.540	2.322	2.115	2.467	3.132	41.837	0.089
438.59	82.70	69.63	64.97	43.05	47.29	40.52	31.93	1.209	1.436	1.539	2.323	2.115	2.468	3.132	41.843	0.089
438.79	82.71	69.63	65.01	43.03	47.29	40.51	31.92	1.209	1.436	1.538	2.324	2.115	2.468	3.133	41.851	0.089
438.99	82.69	69.62	65.01	42.99	47.27	40.49	31.89	1.209	1.436	1.538	2.326	2.116	2.470	3.135	41.879	0.089
439.20	82.69	69.62	65.02	42.97	47.27	40.48	31.87	1.209	1.436	1.538	2.327	2.116	2.470	3.138	41.892	0.089
439.40	82.69	69.63	65.04	42.94	47.26	40.47	31.86	1.209	1.436	1.538	2.329	2.116	2.471	3.139	41.903	0.089
439.61	82.69	69.64	65.06	42.92	47.25	40.46	31.85	1.209	1.436	1.537	2.330	2.117	2.472	3.139	41.913	0.089
439.81	82.70	69.65	65.08	42.90	47.24	40.45	31.85	1.209	1.436	1.537	2.331	2.117	2.472	3.140	41.921	0.089
440.01	82.71	69.66	65.10	42.87	47.24	40.44	31.84	1.209	1.435	1.536	2.332	2.117	2.473	3.141	41.927	0.089
440.22	82.70	69.66	65.12	42.85	47.24	40.43	31.84	1.209	1.436	1.536	2.334	2.117	2.473	3.141	41.934	0.089
440.42	82.69	69.67	65.14	42.82	47.25	40.42	31.83	1.209	1.435	1.535	2.335	2.117	2.474	3.142	41.943	0.089
440.62	82.69	69.67	65.16	42.80	47.23	40.41	31.82	1.209	1.435	1.535	2.337	2.117	2.475	3.143	41.955	0.089
440.83	82.70	69.67	65.19	42.77	47.23	40.41	31.81	1.209	1.435	1.534	2.338	2.117	2.475	3.143	41.960	0.089
441.03	82.72	69.69	65.23	42.75	47.24	40.40	31.81	1.209	1.435	1.533	2.339	2.117	2.475	3.144	41.961	0.089
441.24	82.71	69.69	65.25	42.73	47.23	40.39	31.81	1.209	1.435	1.532	2.340	2.117	2.476	3.144	41.968	0.089
441.44	82.71	69.70	65.28	42.70	47.23	40.38	31.79	1.209	1.435	1.532	2.342	2.117	2.477			

441.64	82.72	69.71	65.31	42.68	47.23	40.37	31.79	1.209	1.435	1.531	2.343	2.117	2.477	3.146	41.983	0.089
441.85	82.74	69.73	65.34	42.66	47.24	40.37	31.78	1.209	1.434	1.530	2.344	2.117	2.477	3.146	41.982	0.089
442.05	82.74	69.74	65.37	42.66	47.24	40.37	31.78	1.209	1.434	1.530	2.344	2.117	2.477	3.146	41.980	0.089
442.25	82.73	69.73	65.40	42.62	47.23	40.35	31.77	1.209	1.434	1.529	2.346	2.118	2.478	3.148	41.996	0.089
442.46	82.75	69.77	65.43	42.60	47.23	40.36	31.76	1.208	1.433	1.528	2.347	2.117	2.478	3.148	41.994	0.089
442.66	82.75	69.79	65.46	42.58	47.23	40.36	31.76	1.208	1.433	1.528	2.349	2.117	2.478	3.148	41.994	0.089
442.86	82.76	69.81	65.49	42.56	47.24	40.36	31.76	1.208	1.433	1.527	2.350	2.117	2.478	3.148	41.992	0.089
443.07	82.76	69.84	65.52	42.55	47.25	40.37	31.77	1.208	1.432	1.526	2.350	2.116	2.477	3.148	41.984	0.089
443.27	82.78	69.85	65.57	42.53	47.25	40.37	31.77	1.208	1.432	1.525	2.351	2.116	2.477	3.147	41.978	0.089
443.48	82.80	69.88	65.61	42.52	47.26	40.37	31.78	1.208	1.431	1.524	2.352	2.116	2.477	3.146	41.968	0.089
443.68	82.80	69.89	65.64	42.50	47.27	40.37	31.78	1.208	1.431	1.523	2.353	2.115	2.477	3.147	41.966	0.089
443.88	82.81	69.91	65.67	42.49	47.29	40.37	31.78	1.208	1.431	1.523	2.354	2.115	2.477	3.147	41.962	0.089
444.09	82.83	69.93	65.71	42.48	47.30	40.38	31.78	1.207	1.430	1.522	2.354	2.114	2.476	3.146	41.950	0.089
444.29	82.85	69.96	65.76	42.48	47.31	40.39	31.79	1.207	1.429	1.521	2.354	2.114	2.476	3.145	41.937	0.089
444.49	82.87	69.99	65.80	42.47	47.32	40.40	31.80	1.207	1.429	1.520	2.355	2.113	2.475	3.145	41.928	0.089
444.70	82.88	70.01	65.84	42.46	47.33	40.41	31.80	1.207	1.428	1.519	2.355	2.113	2.474	3.144	41.917	0.089
444.90	82.90	70.04	65.88	42.46	47.35	40.42	31.82	1.206	1.428	1.518	2.355	2.112	2.474	3.143	41.900	0.089
445.10	82.91	70.06	65.92	42.46	47.36	40.43	31.82	1.206	1.427	1.517	2.355	2.112	2.473	3.143	41.888	0.089
445.31	82.93	70.09	65.96	42.46	47.38	40.45	31.84	1.206	1.427	1.516	2.355	2.111	2.472	3.141	41.867	0.089
445.51	82.96	70.14	66.02	42.47	47.41	40.47	31.86	1.205	1.426	1.515	2.355	2.109	2.471	3.139	41.837	0.089
445.71	82.99	70.18	66.07	42.48	47.44	40.49	31.88	1.205	1.425	1.513	2.354	2.108	2.470	3.137	41.808	0.089
445.92	83.00	70.21	66.12	42.49	47.46	40.51	31.89	1.205	1.424	1.512	2.353	2.107	2.468	3.136	41.783	0.089
446.12	83.03	70.25	66.19	42.51	47.50	40.54	31.92	1.204	1.424	1.511	2.352	2.105	2.466	3.133	41.745	0.089
446.32	83.07	70.30	66.24	42.52	47.53	40.57	31.94	1.204	1.423	1.510	2.352	2.104	2.465	3.131	41.712	0.088
446.53	83.11	70.35	66.30	42.55	47.57	40.60	31.97	1.203	1.421	1.508	2.350	2.102	2.463	3.128	41.669	0.088
446.73	83.13	70.38	66.35	42.58	47.61	40.63	31.99	1.203	1.421	1.507	2.349	2.101	2.461	3.126	41.635	0.088
446.93	83.16	70.42	66.41	42.60	47.65	40.66	32.01	1.203	1.420	1.506	2.347	2.099	2.460	3.124	41.599	0.088
447.14	83.18	70.45	66.46	42.62	47.68	40.69	32.04	1.202	1.419	1.505	2.346	2.097	2.457	3.121	41.562	0.088
447.34	83.22	70.50	66.52	42.66	47.73	40.73	32.07	1.202	1.418	1.503	2.344	2.095	2.455	3.118	41.514	0.088
447.54	83.26	70.56	66.59	42.70	47.78	40.78	32.11	1.201	1.417	1.502	2.342	2.093	2.452	3.114	41.457	0.088
447.75	83.30	70.61	66.66	42.74	47.84	40.83	32.15	1.200	1.416	1.500	2.340	2.091	2.449	3.110	41.400	0.088
447.95	83.34	70.66	66.72	42.79	47.89	40.88	32.20	1.200	1.415	1.499	2.337	2.088	2.446	3.106	41.342	0.088
448.15	83.39	70.73	66.80	42.84	47.95	40.93	32.25	1.199	1.414	1.497	2.334	2.086	2.443	3.101	41.275	0.088
448.36	83.43	70.78	66.86	42.88	48.01	40.98	32.30	1.199	1.413	1.496	2.332	2.083	2.440	3.096	41.215	0.087
448.56	83.45	70.83	66.92	42.93	48.06	41.04	32.34	1.198	1.412	1.494	2.329	2.081	2.437	3.092	41.154	0.087
448.76	83.51	70.91	67.00	43.00	48.14	41.11	32.40	1.198	1.410	1.493	2.326	2.077	2.433	3.087	41.072	0.087
448.97	83.57	70.98	67.08	43.07	48.22	41.17	32.46	1.197	1.409	1.491	2.322	2.074	2.429	3.081	40.989	0.087
449.17	83.62	71.05	67.17	43.14	48.31	41.26	32.52	1.196	1.407	1.489	2.318	2.070	2.424	3.075	40.901	0.087
449.37	83.69	71.13	67.26	43.22	48.40	41.34	32.59	1.195	1.406	1.487	2.314	2.066	2.419	3.068	40.808	0.087
449.58	83.74	71.21	67.33	43.30	48.49	41.42	32.66	1.194	1.404	1.485	2.309	2.062	2.415	3.062	40.720	0.086
449.78	83.80	71.28	67.41	43.38	48.57	41.49	32.73	1.193	1.403	1.483	2.305	2.059	2.410	3.055	40.628	0.086
449.98	83.86	71.36	67.50	43.48	48.67	41.59	32.81	1.192	1.401	1.481	2.300	2.055	2.404	3.048	40.523	0.086
450.19	83.93	71.46	67.59	43.57	48.77	41.69	32.89	1.191	1.399	1.479	2.295	2.050	2.399	3.040	40.415	0.086
450.39	83.98	71.53	67.67	43.66	48.86	41.78	32.97	1.191	1.398	1.478	2.290	2.047	2.394	3.033	40.314	0.085
450.59	84.05	71.63	67.76	43.77	48.97	41.88	33.06	1.190	1.396	1.476	2.285	2.042	2.388	3.025	40.202	0.085
450.79	84.11	71.71	67.85	43.87	49.07	41.98	33.15	1.189	1.394	1.474	2.280	2.038	2.382	3.016	40.090	0.085
451.00	84.20	71.82	67.96	43.99	49.19	42.09	33.26	1.188	1.392	1.472	2.273	2.033	2.376	3.007	39.960	0.085
451.20	84.28	71.93	68.06	44.11	49.31	42.21	33.36	1.186	1.390	1.469	2.267	2.028	2.369	2.997	39.826	0.084
451.40	84.36	72.04	68.16	44.24	49.43	42.33	33.47	1.185	1.388	1.467	2.260	2.023	2.362	2.988	39.697	0.084
451.61	84.45	72.15	68.28	44.38	49.56	42.46	33.58	1.184	1.386	1.465	2.253	2.018	2.355	2.978	39.555	0.084
451.81	84.56	72.27	68.40	44.52	49.70	42.60	33.70	1.183	1.384	1.462	2.246	2.012	2.348	2.968	39.406	0.084
452.01	84.66	72.39	68.52	44.67	49.84	42.74	33.82	1.181	1.381	1.459	2.238	2.006	2.340	2.957	39.250	0.083
452.22	84.75	72.51	68.63	44.82	49.98	42.88	33.94	1.180	1.379	1.457	2.231	2.001	2.332	2.947	39.105	0.083
452.42	84.87	72.65	68.76	44.98	50.13	43.03	34.07	1.178	1.376	1.454	2.223	1.995	2.324	2.935	38.936	0.083
452.62	85.07	72.86	68.97	45.20	50.34	43.24	34.24	1.175	1.372	1.450	2.212	1.986	2.313	2.921	38.712	0.082
452.83	85.28	73.08	69.18	45.42	50.56	43.44	34.41	1.173	1.368	1.446	2.202	1.978	2.302	2.906	38.484	0.082
453.03	85.46	73.27	69.36	45.63	50.76	43.63	34.58	1.170	1.365	1.442	2.192	1.970	2.292	2.892	38.275	0.081
453.23	85.66	73.49	69.57	45.85	50.97	43.84	34.76	1.167	1.361	1.437	2.181	1.962	2.281	2.877	38.045	0.081
453.43	85.93	73.76	69.83	46.12	51.23	44.08	34.97	1.164	1.356	1.432	2.168	1.952	2.268	2.860	37.773	0.080
453.64	86.14	73.98	70.04	46.35	51.46	44.30	35.15	1.161	1.352	1.428	2.157	1.943	2.257	2.845	37.539	0.080
453.84	86.45	74.29	70.33	46.65	51.74	44.57	35.38	1.157	1.346	1.422	2.144	1.933	2.244	2.826	37.242	0.079
454.04	86.66	74.51	70.53	46.88	51.97	44.79	35.57	1.154	1.342	1.418	2.133	1.924	2.233	2.811	37.009	0.078
454.25	86.92	74.78	70.78	47.16	52.23	45.03	35.79	1.150	1.337	1.413	2.121	1.915	2.221	2.794	36.739	0.078
454.45	87.17	75.04	71.02	47.42	52.48	45.28	35.99	1.147	1.333	1.408	2.109	1.905	2.209	2.778	36.482	0.077
454.65	87.41	75.29	71.24	47.69	52.73	45.52	36.20	1.144	1.328	1.404	2.097	1.896	2.197	2.762	36.223	0.077
454.85	87.66	75.53	71.47	47.96	52.99	45.76	36.41	1.141	1.324	1.399	2.085	1.887	2.185	2.746	35.967	0.076
455.06	87.88	75.76	71.68	48.22	53.22	46.00	36.61	1.138	1.320	1.395	2.074	1.879	2.174	2.731	35.726	0.076
455.26	88.06	75.95	71.86	48.45	53.44	46.21	36.80	1.136	1.317	1.392	2.064	1.871	2.164	2.718	35.508	0.075
455.46	88.31	76.20	72.09	48.74	53.70	46.47	37.02	1.132	1.312	1.387	2.052	1.862	2.152	2.702	35.244	0.075
455.67	88.51	76.41	72.28	48.99	53.93	46.69	37.21	1.130	1.309	1.383	2.041	1.854	2.142			

455.87	88.67	76.59	72.45	49.23	54.14	46.90	37.40	1.128	1.306	1.380	2.031	1.847	2.132	2.674	34.802	0.074
456.07	88.85	76.78	72.61	49.48	54.36	47.12	37.59	1.125	1.302	1.377	2.021	1.840	2.122	2.660	34.582	0.073
456.27	88.99	76.93	72.74	49.70	54.55	47.31	37.77	1.124	1.300	1.375	2.012	1.833	2.114	2.648	34.392	0.073
456.48	89.12	77.07	72.87	49.92	54.73	47.50	37.94	1.122	1.298	1.372	2.003	1.827	2.105	2.636	34.205	0.073
456.68	89.17	77.13	72.93	50.09	54.87	47.64	38.07	1.121	1.296	1.371	1.996	1.823	2.099	2.626	34.072	0.072
456.88	89.12	77.11	72.89	50.20	54.93	47.72	38.17	1.122	1.297	1.372	1.992	1.820	2.095	2.620	33.999	0.072
457.09	89.05	77.07	72.83	50.31	54.98	47.80	38.25	1.123	1.298	1.373	1.988	1.819	2.092	2.614	33.941	0.072
457.29	88.97	77.03	72.78	50.41	55.03	47.87	38.33	1.124	1.298	1.374	1.984	1.817	2.089	2.609	33.880	0.072
457.49	88.89	76.98	72.72	50.52	55.08	47.95	38.41	1.125	1.299	1.375	1.980	1.816	2.086	2.604	33.824	0.072
457.69	88.73	76.86	72.59	50.57	55.08	47.98	38.46	1.127	1.301	1.378	1.977	1.816	2.084	2.600	33.814	0.072
457.90	88.60	76.77	72.49	50.64	55.10	48.02	38.52	1.129	1.303	1.380	1.975	1.815	2.082	2.596	33.789	0.072
458.10	88.39	76.61	72.31	50.66	55.05	48.03	38.54	1.131	1.305	1.383	1.974	1.816	2.082	2.595	33.816	0.072
458.30	88.25	76.50	72.20	50.73	55.06	48.07	38.59	1.133	1.307	1.385	1.971	1.816	2.081	2.591	33.798	0.072
458.50	88.05	76.35	72.03	50.76	55.03	48.07	38.61	1.136	1.310	1.388	1.970	1.817	2.080	2.590	33.818	0.072
458.71	87.88	76.20	71.87	50.79	55.01	48.08	38.64	1.138	1.312	1.391	1.969	1.818	2.080	2.588	33.830	0.072
458.91	87.70	76.06	71.72	50.82	54.99	48.09	38.67	1.140	1.315	1.394	1.968	1.819	2.080	2.586	33.844	0.072
459.11	87.51	75.91	71.56	50.85	54.95	48.09	38.69	1.143	1.317	1.397	1.966	1.820	2.079	2.584	33.864	0.072
459.31	87.34	75.77	71.41	50.89	54.93	48.10	38.72	1.145	1.320	1.400	1.965	1.821	2.079	2.582	33.875	0.072
459.52	87.19	75.65	71.28	50.94	54.92	48.13	38.76	1.147	1.322	1.403	1.963	1.821	2.078	2.580	33.872	0.072
459.72	86.97	75.46	71.09	50.95	54.86	48.10	38.77	1.150	1.325	1.407	1.963	1.823	2.079	2.580	33.919	0.072
459.92	86.80	75.33	70.94	50.98	54.83	48.12	38.80	1.152	1.328	1.410	1.962	1.824	2.078	2.578	33.931	0.072
460.13	86.65	75.20	70.79	51.02	54.82	48.13	38.82	1.154	1.330	1.413	1.960	1.824	2.078	2.576	33.938	0.072
460.33	86.46	75.04	70.63	51.04	54.78	48.13	38.84	1.157	1.333	1.416	1.959	1.826	2.078	2.575	33.968	0.072
460.53	86.31	74.92	70.50	51.09	54.76	48.14	38.87	1.159	1.335	1.419	1.957	1.826	2.077	2.573	33.970	0.072
460.73	86.18	74.82	70.37	51.14	54.76	48.17	38.91	1.160	1.337	1.421	1.955	1.826	2.076	2.570	33.964	0.072
460.94	86.10	74.77	70.30	51.22	54.79	48.23	38.98	1.161	1.337	1.422	1.952	1.825	2.073	2.565	33.921	0.072
461.14	86.05	74.74	70.25	51.32	54.83	48.31	39.06	1.162	1.338	1.423	1.948	1.824	2.070	2.560	33.866	0.072
461.34	86.02	74.71	70.21	51.43	54.89	48.39	39.14	1.163	1.338	1.424	1.944	1.822	2.067	2.555	33.801	0.072
461.54	85.99	74.71	70.19	51.54	54.95	48.47	39.23	1.163	1.339	1.425	1.940	1.820	2.063	2.549	33.729	0.072
461.75	85.95	74.67	70.14	51.63	55.00	48.54	39.31	1.163	1.339	1.426	1.937	1.818	2.060	2.544	33.676	0.071
461.95	85.91	74.64	70.10	51.73	55.04	48.61	39.38	1.164	1.340	1.427	1.933	1.817	2.057	2.539	33.620	0.071
462.15	85.90	74.64	70.08	51.85	55.10	48.70	39.47	1.164	1.340	1.427	1.929	1.815	2.053	2.534	33.550	0.071
462.35	85.88	74.62	70.05	51.95	55.16	48.78	39.55	1.164	1.340	1.427	1.925	1.813	2.050	2.529	33.486	0.071
462.56	85.87	74.61	70.04	52.07	55.23	48.86	39.63	1.165	1.340	1.428	1.921	1.811	2.047	2.523	33.433	0.071
462.76	85.85	74.60	70.02	52.17	55.28	48.94	39.72	1.165	1.340	1.428	1.917	1.809	2.043	2.518	33.348	0.071
462.96	85.83	74.60	70.00	52.27	55.34	49.03	39.80	1.165	1.340	1.428	1.913	1.807	2.040	2.512	33.279	0.071
463.16	85.82	74.60	69.99	52.37	55.40	49.11	39.88	1.165	1.340	1.429	1.909	1.805	2.036	2.507	33.212	0.070
463.36	85.81	74.60	69.96	52.48	55.46	49.19	39.96	1.165	1.341	1.429	1.906	1.803	2.033	2.503	33.151	0.070
463.57	85.80	74.60	69.95	52.58	55.52	49.26	40.04	1.165	1.341	1.430	1.902	1.801	2.030	2.497	33.084	0.070
463.77	85.81	74.61	69.95	52.69	55.58	49.35	40.13	1.165	1.340	1.430	1.898	1.799	2.026	2.492	33.012	0.070
463.97	85.80	74.61	69.94	52.79	55.63	49.42	40.21	1.165	1.340	1.430	1.894	1.797	2.023	2.487	32.949	0.070
464.17	85.80	74.62	69.94	52.88	55.69	49.49	40.28	1.166	1.340	1.430	1.891	1.796	2.020	2.483	32.886	0.070
464.38	85.80	74.63	69.95	52.98	55.76	49.57	40.36	1.166	1.340	1.430	1.887	1.794	2.017	2.477	32.817	0.070
464.58	85.80	74.64	69.94	53.07	55.81	49.65	40.44	1.166	1.340	1.430	1.884	1.792	2.014	2.473	32.754	0.069
464.78	85.80	74.63	69.94	53.16	55.86	49.72	40.51	1.166	1.340	1.430	1.881	1.790	2.011	2.468	32.699	0.069
464.98	85.79	74.64	69.94	53.24	55.91	49.78	40.58	1.166	1.340	1.430	1.878	1.788	2.009	2.464	32.640	0.069
465.19	85.79	74.65	69.94	53.32	55.97	49.85	40.65	1.166	1.340	1.430	1.875	1.787	2.006	2.460	32.584	0.069
465.39	85.79	74.66	69.95	53.40	56.02	49.91	40.71	1.166	1.339	1.430	1.873	1.785	2.003	2.456	32.532	0.069
465.59	85.79	74.67	69.95	53.47	56.06	49.97	40.77	1.166	1.339	1.430	1.870	1.784	2.001	2.453	32.483	0.069
465.79	85.78	74.66	69.95	53.54	56.10	50.01	40.82	1.166	1.339	1.430	1.868	1.783	1.999	2.450	32.444	0.069
465.99	85.78	74.68	69.95	53.61	56.14	50.07	40.88	1.166	1.339	1.430	1.865	1.781	1.997	2.446	32.396	0.069
466.20	85.78	74.68	69.96	53.66	56.18	50.12	40.93	1.166	1.339	1.429	1.863	1.780	1.995	2.443	32.353	0.069
466.40	85.79	74.69	69.97	53.73	56.23	50.17	40.99	1.166	1.339	1.429	1.861	1.779	1.993	2.440	32.305	0.068
466.60	85.79	74.70	69.98	53.79	56.26	50.22	41.04	1.166	1.339	1.429	1.859	1.777	1.991	2.437	32.265	0.068
466.80	85.78	74.71	69.98	53.84	56.29	50.26	41.08	1.166	1.339	1.429	1.857	1.777	1.990	2.434	32.232	0.068
467.01	85.78	74.72	70.00	53.89	56.32	50.31	41.13	1.166	1.338	1.429	1.856	1.775	1.988	2.431	32.191	0.068
467.21	85.79	74.73	70.01	53.95	56.36	50.35	41.18	1.166	1.338	1.428	1.854	1.774	1.986	2.428	32.152	0.068
467.41	85.80	74.74	70.03	54.00	56.40	50.39	41.22	1.166	1.338	1.428	1.852	1.773	1.985	2.426	32.113	0.068
467.61	85.80	74.76	70.05	54.04	56.43	50.43	41.27	1.165	1.338	1.427	1.850	1.772	1.983	2.423	32.075	0.068
467.81	85.81	74.77	70.09	54.08	56.47	50.47	41.32	1.165	1.337	1.427	1.849	1.771	1.981	2.420	32.038	0.068
468.02	85.80	74.77	70.09	54.10	56.49	50.50	41.35	1.165	1.337	1.427	1.848	1.770	1.980	2.418	32.015	0.068
468.22	85.80	74.79	70.11	54.14	56.52	50.53	41.38	1.166	1.337	1.426	1.847	1.769	1.979	2.417	31.986	0.068
468.42	85.81	74.80	70.13	54.17	56.54	50.57	41.41	1.165	1.337	1.426	1.846	1.769	1.978	2.415	31.958	0.068
468.62	85.81	74.81	70.14	54.20	56.56	50.59	41.44	1.165	1.337	1.426	1.845	1.768	1.977	2.413	31.938	0.068
468.82	85.81	74.82	70.16	54.23	56.59	50.62	41.47	1.165	1.336	1.425	1.844	1.767	1.976	2.411	31.909	0.068
469.03	85.83	74.84	70.19	54.26	56.62	50.65	41.50	1.165	1.336	1.425	1.843	1.766	1.974	2.409	31.880	0.068
469.23	85.84	74.86	70.22	54.29	56.64	50.68	41.53	1.165	1.336	1.424	1.842	1.765	1.973	2.408	31.853	0.068
469.43	85.84	74.87	70.23	54.31	56.66	50.70	41.56	1.165	1.336	1.424	1.841	1.765	1.973	2.406	31.835	0.067
469.63	85.85	74.89	70.25	54.33	56.68	50.72	41.58	1.165	1.335	1.424	1.841	1.764	1.972	2.405	31.813	0.067
469.83	85.85	74.90	70.26	54.34	56.71	50.74	41.61	1.165	1.335	1.423	1.840	1.763	1.971			

470.04	85.86	74.92	70.28	54.36	56.73	50.77	41.64	1.165	1.335	1.423	1.840	1.763	1.970	2.402	31.771	0.067
470.24	85.85	74.92	70.30	54.38	56.75	50.79	41.66	1.165	1.335	1.422	1.839	1.762	1.969	2.400	31.752	0.067
470.44	85.87	74.95	70.34	54.40	56.78	50.83	41.69	1.165	1.334	1.422	1.838	1.761	1.968	2.399	31.721	0.067
470.64	85.87	74.97	70.37	54.42	56.80	50.85	41.72	1.164	1.334	1.421	1.837	1.761	1.966	2.397	31.697	0.067
470.84	85.88	74.98	70.40	54.44	56.83	50.88	41.75	1.164	1.334	1.420	1.837	1.760	1.966	2.395	31.673	0.067
471.05	85.91	75.01	70.45	54.47	56.87	50.91	41.78	1.164	1.333	1.420	1.836	1.758	1.964	2.393	31.638	0.067
471.25	85.93	75.03	70.48	54.50	56.90	50.94	41.82	1.164	1.333	1.419	1.835	1.758	1.963	2.391	31.608	0.067
471.45	85.93	75.03	70.49	54.52	56.92	50.96	41.83	1.164	1.333	1.419	1.834	1.757	1.962	2.391	31.593	0.067
471.65	85.92	75.04	70.50	54.53	56.93	50.98	41.85	1.164	1.333	1.418	1.834	1.757	1.962	2.389	31.578	0.067
471.85	85.93	75.06	70.53	54.56	56.96	51.02	41.89	1.164	1.332	1.418	1.833	1.756	1.960	2.387	31.547	0.067
472.06	85.95	75.09	70.56	54.60	56.99	51.05	41.92	1.163	1.332	1.417	1.832	1.755	1.959	2.385	31.516	0.067
472.26	85.97	75.11	70.60	54.64	57.03	51.09	41.96	1.163	1.331	1.416	1.830	1.753	1.957	2.383	31.477	0.067
472.46	86.00	75.14	70.63	54.67	57.06	51.13	42.00	1.163	1.331	1.416	1.829	1.752	1.956	2.381	31.442	0.067
472.66	86.01	75.15	70.65	54.71	57.10	51.17	42.05	1.163	1.331	1.415	1.828	1.751	1.954	2.378	31.405	0.067
472.86	86.02	75.18	70.69	54.75	57.14	51.21	42.10	1.163	1.330	1.415	1.827	1.750	1.953	2.375	31.365	0.067
473.06	86.03	75.20	70.73	54.78	57.18	51.25	42.14	1.162	1.330	1.414	1.825	1.749	1.951	2.373	31.327	0.066
473.27	86.04	75.23	70.76	54.83	57.22	51.29	42.18	1.162	1.329	1.413	1.824	1.748	1.950	2.371	31.291	0.066
473.47	86.04	75.25	70.79	54.87	57.26	51.33	42.23	1.162	1.329	1.413	1.823	1.746	1.948	2.368	31.254	0.066
473.67	86.06	75.27	70.82	54.91	57.30	51.37	42.28	1.162	1.329	1.412	1.821	1.745	1.947	2.365	31.211	0.066
473.87	86.07	75.29	70.86	54.96	57.35	51.42	42.33	1.162	1.328	1.411	1.819	1.744	1.945	2.362	31.167	0.066
474.07	86.10	75.33	70.91	55.03	57.40	51.49	42.39	1.161	1.327	1.410	1.817	1.742	1.942	2.359	31.112	0.066
474.28	86.12	75.36	70.94	55.09	57.45	51.54	42.45	1.161	1.327	1.410	1.815	1.741	1.940	2.356	31.059	0.066
474.48	86.14	75.39	70.98	55.16	57.51	51.60	42.52	1.161	1.326	1.409	1.813	1.739	1.938	2.352	31.005	0.066
474.68	86.16	75.41	70.99	55.21	57.56	51.65	42.57	1.161	1.326	1.409	1.811	1.737	1.936	2.349	30.960	0.066
474.88	86.18	75.44	71.02	55.27	57.61	51.71	42.63	1.160	1.326	1.408	1.809	1.736	1.934	2.346	30.911	0.066
475.08	86.19	75.47	71.05	55.33	57.67	51.78	42.70	1.160	1.325	1.407	1.807	1.734	1.931	2.342	30.853	0.065
475.28	86.20	75.50	71.09	55.40	57.72	51.84	42.76	1.160	1.325	1.407	1.805	1.732	1.929	2.339	30.799	0.065
475.49	86.21	75.53	71.11	55.47	57.78	51.90	42.82	1.160	1.324	1.406	1.803	1.731	1.927	2.335	30.747	0.065
475.69	86.23	75.58	71.16	55.55	57.86	51.99	42.91	1.160	1.323	1.405	1.800	1.728	1.924	2.331	30.672	0.065
475.89	86.27	75.62	71.20	55.63	57.92	52.05	42.98	1.159	1.322	1.405	1.798	1.726	1.921	2.327	30.609	0.065
476.09	86.30	75.67	71.24	55.72	58.00	52.12	43.06	1.159	1.322	1.404	1.795	1.724	1.919	2.322	30.540	0.065
476.29	86.33	75.71	71.29	55.81	58.08	52.20	43.13	1.158	1.321	1.403	1.792	1.722	1.916	2.318	30.471	0.065
476.49	86.32	75.72	71.30	55.87	58.13	52.26	43.19	1.159	1.321	1.402	1.790	1.720	1.914	2.315	30.423	0.065
476.69	86.33	75.75	71.34	55.95	58.21	52.33	43.28	1.158	1.320	1.402	1.787	1.718	1.911	2.311	30.356	0.064
476.90	86.35	75.79	71.39	56.03	58.28	52.40	43.34	1.158	1.319	1.401	1.785	1.716	1.909	2.307	30.294	0.064
477.10	86.37	75.82	71.42	56.12	58.34	52.47	43.41	1.158	1.319	1.400	1.782	1.714	1.906	2.304	30.232	0.064
477.30	86.40	75.87	71.46	56.22	58.42	52.56	43.49	1.157	1.318	1.399	1.779	1.712	1.903	2.299	30.160	0.064
477.50	86.41	75.90	71.49	56.30	58.48	52.64	43.57	1.157	1.318	1.399	1.776	1.710	1.900	2.295	30.095	0.064
477.70	86.44	75.94	71.53	56.39	58.55	52.73	43.65	1.157	1.317	1.398	1.773	1.708	1.897	2.291	30.024	0.064
477.90	86.46	75.97	71.56	56.49	58.62	52.81	43.73	1.157	1.316	1.397	1.770	1.706	1.894	2.287	29.955	0.064
478.11	86.47	76.00	71.58	56.58	58.69	52.89	43.81	1.156	1.316	1.397	1.767	1.704	1.891	2.283	29.888	0.063
478.31	86.49	76.02	71.61	56.67	58.76	52.96	43.89	1.156	1.315	1.396	1.765	1.702	1.888	2.279	29.824	0.063
478.51	86.54	76.08	71.66	56.77	58.84	53.04	43.97	1.156	1.314	1.396	1.762	1.699	1.885	2.274	29.749	0.063
478.71	86.55	76.11	71.69	56.85	58.90	53.12	44.05	1.155	1.314	1.395	1.759	1.698	1.882	2.270	29.685	0.063
478.91	86.57	76.15	71.73	56.95	58.97	53.21	44.13	1.155	1.313	1.394	1.756	1.696	1.879	2.266	29.617	0.063
479.11	86.58	76.18	71.76	57.04	59.04	53.27	44.20	1.155	1.313	1.393	1.753	1.694	1.877	2.262	29.555	0.063
479.31	86.61	76.22	71.81	57.14	59.09	53.35	44.28	1.155	1.312	1.393	1.750	1.692	1.874	2.258	29.487	0.063
479.52	86.63	76.26	71.84	57.23	59.17	53.43	44.37	1.154	1.311	1.392	1.747	1.690	1.872	2.254	29.418	0.062
479.72	86.66	76.31	71.88	57.33	59.24	53.52	44.45	1.154	1.310	1.391	1.744	1.688	1.869	2.250	29.347	0.062
479.92	86.67	76.32	71.91	57.39	59.29	53.58	44.52	1.154	1.310	1.391	1.742	1.687	1.866	2.246	29.296	0.062
480.12	86.70	76.38	71.95	57.48	59.37	53.67	44.60	1.153	1.309	1.390	1.740	1.684	1.863	2.242	29.222	0.062
480.32	86.69	76.40	71.97	57.56	59.42	53.74	44.67	1.154	1.309	1.389	1.737	1.683	1.861	2.239	29.170	0.062
480.52	86.67	76.40	71.96	57.62	59.45	53.79	44.73	1.154	1.309	1.390	1.736	1.682	1.859	2.236	29.130	0.062
480.72	86.70	76.44	72.00	57.71	59.52	53.87	44.81	1.153	1.308	1.389	1.733	1.680	1.856	2.232	29.063	0.062
480.92	86.73	76.48	72.05	57.78	59.59	53.95	44.87	1.153	1.308	1.388	1.731	1.678	1.854	2.228	29.001	0.061
481.13	86.74	76.50	72.07	57.85	59.64	54.02	44.94	1.153	1.307	1.388	1.729	1.677	1.851	2.225	28.949	0.061
481.33	86.75	76.52	72.09	57.92	59.69	54.08	45.01	1.153	1.307	1.387	1.727	1.675	1.849	2.222	28.898	0.061
481.53	86.77	76.53	72.12	57.99	59.75	54.13	45.07	1.153	1.307	1.386	1.724	1.674	1.848	2.219	28.848	0.061
481.73	86.78	76.57	72.16	58.07	59.81	54.19	45.15	1.152	1.306	1.386	1.722	1.672	1.845	2.215	28.790	0.061
481.93	86.79	76.59	72.19	58.14	59.87	54.25	45.22	1.152	1.306	1.385	1.720	1.670	1.843	2.212	28.736	0.061
482.13	86.80	76.62	72.24	58.20	59.92	54.31	45.27	1.152	1.305	1.384	1.718	1.669	1.841	2.209	28.688	0.061
482.33	86.86	76.67	72.30	58.27	59.99	54.39	45.34	1.151	1.304	1.383	1.716	1.667	1.839	2.206	28.625	0.061
482.53	86.87	76.70	72.35	58.34	60.05	54.45	45.40	1.151	1.304	1.382	1.714	1.665	1.837	2.203	28.572	0.061
482.74	86.87	76.71	72.37	58.40	60.09	54.52	45.46	1.151	1.304	1.382	1.712	1.664	1.834	2.200	28.522	0.060
482.94	86.90	76.75	72.41	58.46	60.14	54.58	45.52	1.151	1.303	1.381	1.711	1.663	1.832	2.197	28.475	0.060
483.14	86.92	76.78	72.45	58.51	60.20	54.64	45.57	1.150	1.302	1.380	1.709	1.661	1.830	2.195	28.430	0.060
483.34	86.94	76.81	72.49	58.58	60.26	54.70	45.64	1.150	1.302	1.379	1.707	1.659	1.828	2.191	28.374	0.060
483.54	86.96	76.84	72.52	58.63	60.31	54.76	45.69	1.150	1.301	1.379	1.706	1.658	1.826	2.189	28.329	0.060
483.74	86.97	76.85	72.54	58.67	60.35	54.81	45.73	1.150	1.301	1.379	1.705	1.657	1.825	2.187	28.295	0.060
483.94	86.96	76.85	72.56	58.70	60.37	54.84	45.77	1.150	1.301	1.378	1.703	1.656	1.824			

484.14	86.97	76.89	72.60	58.76	60.42	54.89	45.83	1.150	1.301	1.377	1.702	1.655	1.822	2.182	28.223	0.060
484.35	86.99	76.90	72.65	58.80	60.47	54.94	45.87	1.150	1.300	1.376	1.701	1.654	1.820	2.180	28.185	0.060
484.55	87.01	76.92	72.69	58.85	60.51	54.98	45.90	1.149	1.300	1.376	1.699	1.653	1.819	2.179	28.151	0.060
484.75	87.06	76.98	72.74	58.90	60.56	55.02	45.95	1.149	1.299	1.375	1.698	1.651	1.817	2.176	28.104	0.060
484.95	87.09	77.02	72.80	58.96	60.61	55.08	46.02	1.148	1.298	1.374	1.696	1.650	1.815	2.173	28.051	0.059
485.15	87.10	77.05	72.82	59.00	60.65	55.14	46.07	1.148	1.298	1.373	1.695	1.649	1.814	2.171	28.011	0.059
485.35	87.11	77.08	72.86	59.04	60.69	55.18	46.11	1.148	1.297	1.373	1.694	1.648	1.812	2.169	27.974	0.059
485.55	87.15	77.13	72.91	59.10	60.76	55.23	46.16	1.147	1.297	1.372	1.692	1.646	1.811	2.166	27.927	0.059
485.75	87.16	77.17	72.96	59.13	60.80	55.28	46.22	1.147	1.296	1.371	1.691	1.645	1.809	2.164	27.884	0.059
485.95	87.20	77.21	73.00	59.16	60.86	55.33	46.26	1.147	1.295	1.370	1.690	1.643	1.807	2.162	27.844	0.059
486.15	87.21	77.23	73.03	59.19	60.89	55.36	46.30	1.147	1.295	1.369	1.689	1.642	1.806	2.160	27.816	0.059
486.36	87.21	77.22	73.04	59.22	60.92	55.39	46.33	1.147	1.295	1.369	1.689	1.642	1.805	2.159	27.793	0.059
486.56	87.20	77.24	73.06	59.25	60.94	55.42	46.37	1.147	1.295	1.369	1.688	1.641	1.805	2.157	27.767	0.059
486.76	87.21	77.27	73.09	59.28	60.98	55.45	46.41	1.147	1.294	1.368	1.687	1.640	1.803	2.155	27.737	0.059
486.96	87.21	77.30	73.13	59.30	61.00	55.48	46.44	1.147	1.294	1.367	1.686	1.639	1.803	2.153	27.714	0.059
487.16	87.22	77.33	73.17	59.34	61.04	55.52	46.48	1.146	1.293	1.367	1.685	1.638	1.801	2.151	27.677	0.059
487.36	87.24	77.37	73.21	59.38	61.07	55.54	46.53	1.146	1.293	1.366	1.684	1.638	1.800	2.149	27.645	0.059
487.56	87.24	77.38	73.23	59.39	61.10	55.57	46.54	1.146	1.292	1.366	1.684	1.637	1.800	2.149	27.629	0.059
487.76	87.27	77.41	73.27	59.41	61.14	55.60	46.59	1.146	1.292	1.365	1.683	1.636	1.799	2.146	27.594	0.059
487.96	87.29	77.46	73.33	59.45	61.19	55.64	46.65	1.146	1.291	1.364	1.682	1.634	1.797	2.144	27.549	0.058
488.16	87.32	77.50	73.37	59.49	61.24	55.68	46.69	1.145	1.290	1.363	1.681	1.633	1.796	2.142	27.510	0.058
488.36	87.35	77.53	73.41	59.53	61.28	55.72	46.73	1.145	1.290	1.362	1.680	1.632	1.795	2.140	27.478	0.058
488.57	87.36	77.56	73.43	59.56	61.30	55.75	46.79	1.145	1.289	1.362	1.679	1.631	1.794	2.137	27.443	0.058
488.77	87.40	77.60	73.50	59.61	61.36	55.80	46.86	1.144	1.289	1.361	1.678	1.630	1.792	2.134	27.393	0.058
488.97	87.38	77.61	73.54	59.63	61.40	55.84	46.90	1.144	1.288	1.360	1.677	1.629	1.791	2.132	27.362	0.058
489.17	87.39	77.65	73.57	59.65	61.42	55.87	46.93	1.144	1.288	1.359	1.676	1.628	1.790	2.131	27.338	0.058
489.37	87.42	77.68	73.63	59.69	61.48	55.90	46.98	1.144	1.287	1.358	1.675	1.627	1.789	2.128	27.297	0.058
489.57	87.43	77.71	73.68	59.73	61.53	55.95	47.04	1.144	1.287	1.357	1.674	1.626	1.787	2.126	27.256	0.058
489.77	87.43	77.74	73.70	59.77	61.54	55.99	47.09	1.144	1.286	1.357	1.673	1.625	1.786	2.124	27.221	0.058
489.97	87.43	77.76	73.74	59.80	61.58	56.04	47.12	1.144	1.286	1.356	1.672	1.624	1.784	2.122	27.180	0.058
490.17	87.46	77.78	73.79	59.85	61.61	56.08	47.17	1.143	1.286	1.355	1.671	1.623	1.783	2.120	27.152	0.058
490.37	87.51	77.86	73.89	59.91	61.68	56.18	47.24	1.143	1.284	1.353	1.669	1.621	1.780	2.117	27.083	0.057
490.57	87.56	77.94	73.95	59.97	61.75	56.25	47.31	1.142	1.283	1.352	1.667	1.619	1.778	2.114	27.022	0.057
490.77	87.56	77.96	73.97	60.01	61.78	56.29	47.35	1.142	1.283	1.352	1.666	1.619	1.777	2.112	26.992	0.057
490.97	87.59	78.01	74.02	60.07	61.84	56.37	47.42	1.142	1.282	1.351	1.665	1.617	1.774	2.109	26.935	0.057
491.18	87.64	78.05	74.07	60.14	61.91	56.43	47.47	1.141	1.281	1.350	1.663	1.615	1.772	2.106	26.882	0.057
491.38	87.63	78.05	74.11	60.18	61.95	56.46	47.52	1.141	1.281	1.349	1.662	1.614	1.771	2.104	26.851	0.057
491.58	87.65	78.07	74.15	60.23	62.00	56.51	47.58	1.141	1.281	1.349	1.660	1.613	1.770	2.102	26.808	0.057
491.78	87.67	78.12	74.20	60.28	62.05	56.57	47.65	1.141	1.280	1.348	1.659	1.612	1.768	2.099	26.755	0.057
491.98	87.67	78.17	74.24	60.36	62.12	56.63	47.70	1.141	1.279	1.347	1.657	1.610	1.766	2.096	26.702	0.057
492.18	87.67	78.17	74.25	60.39	62.14	56.68	47.72	1.141	1.279	1.347	1.656	1.609	1.764	2.096	26.682	0.057
492.38	87.66	78.20	74.30	60.44	62.21	56.76	47.78	1.141	1.279	1.346	1.655	1.607	1.762	2.093	26.632	0.056
492.58	87.67	78.23	74.33	60.50	62.27	56.81	47.83	1.141	1.278	1.345	1.653	1.606	1.760	2.091	26.584	0.056
492.78	87.70	78.26	74.36	60.56	62.31	56.86	47.88	1.140	1.278	1.345	1.651	1.605	1.759	2.088	26.544	0.056
492.98	87.73	78.31	74.38	60.61	62.33	56.92	47.92	1.140	1.277	1.344	1.650	1.604	1.757	2.087	26.510	0.056
493.18	87.79	78.34	74.45	60.70	62.38	56.98	47.97	1.139	1.277	1.343	1.648	1.603	1.755	2.085	26.457	0.056
493.38	87.78	78.31	74.47	60.72	62.42	57.01	48.00	1.139	1.277	1.343	1.647	1.602	1.754	2.083	26.435	0.056
493.58	87.80	78.35	74.50	60.78	62.46	57.06	48.06	1.139	1.276	1.342	1.645	1.601	1.753	2.081	26.390	0.056
493.78	87.84	78.39	74.54	60.83	62.51	57.11	48.12	1.138	1.276	1.342	1.644	1.600	1.751	2.078	26.345	0.056
493.98	87.86	78.42	74.60	60.90	62.59	57.18	48.17	1.138	1.275	1.341	1.642	1.598	1.749	2.076	26.293	0.056
494.18	87.90	78.44	74.62	60.97	62.65	57.25	48.26	1.138	1.275	1.340	1.640	1.596	1.747	2.072	26.237	0.056
494.38	87.89	78.46	74.65	61.02	62.68	57.30	48.30	1.138	1.275	1.340	1.639	1.595	1.745	2.070	26.201	0.056
494.59	87.86	78.46	74.63	61.08	62.72	57.33	48.35	1.138	1.275	1.340	1.637	1.594	1.744	2.068	26.171	0.055
494.79	87.88	78.48	74.67	61.15	62.77	57.38	48.40	1.138	1.274	1.339	1.635	1.593	1.743	2.066	26.128	0.055
494.99	87.91	78.53	74.74	61.22	62.84	57.47	48.47	1.137	1.273	1.338	1.634	1.591	1.740	2.063	26.066	0.055
495.19	87.92	78.54	74.78	61.27	62.90	57.51	48.53	1.137	1.273	1.337	1.632	1.590	1.739	2.061	26.024	0.055
495.39	87.91	78.54	74.80	61.33	62.93	57.56	48.57	1.138	1.273	1.337	1.630	1.589	1.737	2.059	25.990	0.055
495.59	87.96	78.61	74.82	61.41	63.03	57.65	48.65	1.137	1.272	1.336	1.628	1.587	1.735	2.055	25.921	0.055
495.79	87.97	78.65	74.88	61.48	63.07	57.73	48.71	1.137	1.271	1.336	1.627	1.585	1.732	2.053	25.869	0.055
495.99	88.01	78.69	74.93	61.56	63.14	57.80	48.80	1.136	1.271	1.335	1.624	1.584	1.730	2.049	25.806	0.055
496.19	87.99	78.67	74.95	61.58	63.14	57.84	48.83	1.136	1.271	1.334	1.624	1.584	1.729	2.048	25.791	0.055
496.39	88.04	78.74	75.03	61.67	63.25	57.94	48.91	1.136	1.270	1.333	1.621	1.581	1.726	2.045	25.711	0.055
496.59	88.09	78.80	75.10	61.76	63.31	57.98	49.00	1.135	1.269	1.332	1.619	1.580	1.725	2.041	25.650	0.054
496.79	88.12	78.83	75.16	61.85	63.39	58.06	49.08	1.135	1.269	1.331	1.617	1.578	1.722	2.037	25.584	0.054
496.99	88.12	78.84	75.21	61.89	63.45	58.13	49.14	1.135	1.268	1.330	1.616	1.576	1.720	2.035	25.539	0.054
497.19	88.10	78.85	75.22	61.94	63.51	58.20	49.23	1.135	1.268	1.329	1.615	1.574	1.718	2.031	25.488	0.054
497.39	88.15	78.94	75.28	62.01	63.63	58.32	49.33	1.134	1.267	1.328	1.613	1.572	1.715	2.027	25.401	0.054
497.59	88.12	78.95	75.26	62.07	63.64	58.38	49.36	1.135	1.267	1.329	1.611	1.571	1.713	2.026	25.378	0.054
497.79	88.13	78.97	75.26	62.13	63.68	58.43	49.40	1.135	1.266	1.329	1.610	1.570	1.711	2.024	25.346	0.054
497.99	88.13	78.99	75.32	62.20	63.75	58.49	49.47	1.135	1.266	1.328	1.608	1.569	1.710			

498.19	88.14	79.03	75.35	62.25	63.77	58.55	49.52	1.135	1.265	1.327	1.606	1.568	1.708	2.019	25.255	0.054
498.39	88.12	79.04	75.35	62.30	63.80	58.57	49.56	1.135	1.265	1.327	1.605	1.567	1.707	2.018	25.229	0.053
498.59	88.17	79.06	75.40	62.36	63.89	58.65	49.62	1.134	1.265	1.326	1.604	1.566	1.705	2.015	25.172	0.053
498.79	88.23	79.09	75.45	62.44	63.92	58.71	49.68	1.133	1.264	1.325	1.601	1.564	1.703	2.013	25.126	0.053
498.99	88.27	79.17	75.54	62.53	64.03	58.78	49.78	1.133	1.263	1.324	1.599	1.562	1.701	2.009	25.047	0.053
499.19	88.31	79.23	75.60	62.62	64.13	58.86	49.86	1.132	1.262	1.323	1.597	1.559	1.699	2.005	24.977	0.053
499.39	88.32	79.27	75.63	62.69	64.16	58.97	49.94	1.132	1.261	1.322	1.595	1.559	1.696	2.002	24.922	0.053
499.59	88.39	79.32	75.72	62.77	64.25	59.02	50.02	1.131	1.261	1.321	1.593	1.556	1.694	1.999	24.857	0.053
499.79	88.39	79.36	75.78	62.82	64.29	59.08	50.08	1.131	1.260	1.320	1.592	1.555	1.693	1.997	24.814	0.053
499.99	88.38	79.36	75.79	62.85	64.34	59.11	50.11	1.131	1.260	1.319	1.591	1.554	1.692	1.996	24.788	0.053
500.19	88.38	79.37	75.81	62.92	64.38	59.14	50.17	1.131	1.260	1.319	1.589	1.553	1.691	1.993	24.752	0.052
500.39	88.39	79.37	75.82	62.96	64.42	59.17	50.21	1.131	1.260	1.319	1.588	1.552	1.690	1.992	24.723	0.052
500.59	88.42	79.39	75.85	63.01	64.46	59.21	50.28	1.131	1.260	1.318	1.587	1.551	1.689	1.989	24.682	0.052
500.79	88.43	79.39	75.87	63.05	64.51	59.28	50.33	1.131	1.260	1.318	1.586	1.550	1.687	1.987	24.644	0.052
500.99	88.42	79.40	75.86	63.07	64.52	59.32	50.38	1.131	1.259	1.318	1.586	1.550	1.686	1.985	24.625	0.052
501.19	88.42	79.45	75.89	63.15	64.57	59.38	50.46	1.131	1.259	1.318	1.584	1.549	1.684	1.982	24.569	0.052
501.39	88.48	79.53	76.03	63.23	64.69	59.51	50.53	1.130	1.257	1.315	1.582	1.546	1.680	1.979	24.486	0.052
501.59	88.44	79.53	76.04	63.27	64.73	59.51	50.55	1.131	1.257	1.315	1.581	1.545	1.681	1.978	24.470	0.052
501.79	88.53	79.66	76.21	63.42	64.87	59.60	50.72	1.130	1.255	1.312	1.577	1.541	1.678	1.972	24.351	0.052
501.99	88.49	79.65	76.26	63.41	64.84	59.63	50.74	1.130	1.256	1.311	1.577	1.542	1.677	1.971	24.344	0.052
502.19	88.52	79.70	76.31	63.48	64.90	59.66	50.77	1.130	1.255	1.310	1.575	1.541	1.676	1.969	24.304	0.052
502.39	88.54	79.70	76.37	63.52	64.98	59.71	50.83	1.129	1.255	1.309	1.574	1.539	1.675	1.967	24.262	0.051
502.59	88.58	79.75	76.43	63.54	65.05	59.78	50.87	1.129	1.254	1.308	1.574	1.537	1.673	1.966	24.217	0.051
502.79	88.62	79.86	76.52	63.65	65.12	59.85	51.04	1.128	1.252	1.307	1.571	1.536	1.671	1.959	24.128	0.051
502.99	88.62	79.91	76.57	63.66	65.21	59.88	51.10	1.128	1.251	1.306	1.571	1.534	1.670	1.957	24.086	0.051
503.19	88.58	79.86	76.56	63.65	65.21	59.89	51.12	1.129	1.252	1.306	1.571	1.534	1.670	1.956	24.085	0.051
503.39	88.54	79.83	76.54	63.63	65.18	59.87	51.13	1.129	1.253	1.306	1.572	1.534	1.670	1.956	24.098	0.051
503.59	88.49	79.79	76.52	63.62	65.21	59.87	51.09	1.130	1.253	1.307	1.572	1.533	1.670	1.957	24.109	0.051
503.79	88.43	79.79	76.50	63.62	65.21	59.94	51.13	1.131	1.253	1.307	1.572	1.533	1.668	1.956	24.091	0.051
503.99	88.46	79.84	76.56	63.70	65.28	60.02	51.20	1.130	1.253	1.306	1.570	1.532	1.666	1.953	24.032	0.051
504.19	88.51	79.90	76.63	63.78	65.37	60.13	51.30	1.130	1.252	1.305	1.568	1.530	1.663	1.950	23.957	0.051
504.39	88.59	80.00	76.73	63.84	65.51	60.23	51.37	1.129	1.250	1.303	1.566	1.526	1.660	1.947	23.881	0.051
504.59	88.72	80.16	76.90	63.97	65.63	60.33	51.54	1.127	1.248	1.300	1.563	1.524	1.657	1.940	23.763	0.050
504.79	88.70	80.20	76.92	64.03	65.68	60.39	51.61	1.127	1.247	1.300	1.562	1.522	1.656	1.938	23.718	0.050
504.99	88.67	80.20	76.93	64.00	65.71	60.37	51.63	1.128	1.247	1.300	1.562	1.522	1.656	1.937	23.715	0.050
505.19	88.72	80.24	77.03	64.04	65.77	60.41	51.66	1.127	1.246	1.298	1.562	1.520	1.655	1.936	23.677	0.050
505.39	88.83	80.31	77.19	64.10	65.87	60.49	51.78	1.126	1.245	1.296	1.560	1.518	1.653	1.931	23.593	0.050
505.59	88.83	80.33	77.18	64.15	65.88	60.49	51.84	1.126	1.245	1.296	1.559	1.518	1.653	1.929	23.571	0.050
505.79	88.80	80.31	77.19	64.16	65.87	60.53	51.85	1.126	1.245	1.295	1.559	1.518	1.652	1.929	23.562	0.050
505.99	88.85	80.30	77.18	64.14	65.87	60.55	51.83	1.125	1.245	1.296	1.559	1.518	1.652	1.929	23.566	0.050
506.19	88.92	80.38	77.25	64.25	66.00	60.60	51.93	1.125	1.244	1.294	1.556	1.515	1.650	1.926	23.490	0.050
506.39	89.05	80.45	77.37	64.29	66.05	60.71	52.01	1.123	1.243	1.293	1.556	1.514	1.647	1.923	23.423	0.050
506.59	89.10	80.55	77.39	64.33	66.10	60.79	52.07	1.122	1.241	1.292	1.554	1.513	1.645	1.920	23.376	0.050
506.79	89.14	80.63	77.54	64.45	66.22	60.90	52.18	1.122	1.240	1.290	1.552	1.510	1.642	1.916	23.284	0.049
506.99	89.15	80.59	77.55	64.40	66.24	60.92	52.15	1.122	1.241	1.289	1.553	1.510	1.642	1.918	23.291	0.049
507.19	89.16	80.60	77.58	64.46	66.29	60.96	52.20	1.122	1.241	1.289	1.551	1.509	1.640	1.916	23.254	0.049
507.39	89.22	80.65	77.66	64.53	66.35	61.05	52.29	1.121	1.240	1.288	1.550	1.507	1.638	1.912	23.191	0.049
507.59	89.21	80.66	77.70	64.60	66.37	61.11	52.36	1.121	1.240	1.287	1.548	1.507	1.636	1.910	23.148	0.049
507.79	89.31	80.81	77.84	64.73	66.49	61.21	52.53	1.120	1.237	1.285	1.545	1.504	1.634	1.904	23.036	0.049
507.99	89.58	81.00	78.03	64.90	66.70	61.29	52.72	1.116	1.235	1.282	1.541	1.499	1.632	1.897	22.896	0.049
508.19	89.55	80.91	78.02	64.87	66.63	61.19	52.66	1.117	1.236	1.282	1.541	1.501	1.634	1.899	22.945	0.049
508.39	89.51	80.91	78.05	64.87	66.61	61.18	52.68	1.117	1.236	1.281	1.542	1.501	1.635	1.898	22.947	0.049
508.59	89.53	80.93	78.14	64.92	66.57	61.24	52.71	1.117	1.236	1.280	1.540	1.502	1.633	1.897	22.917	0.049
508.79	89.52	80.85	78.13	64.90	66.57	61.26	52.74	1.117	1.237	1.280	1.541	1.502	1.632	1.896	22.915	0.049
508.99	89.66	80.97	78.29	65.01	66.68	61.33	52.87	1.115	1.235	1.277	1.538	1.500	1.630	1.891	22.830	0.048
509.19	89.65	80.88	78.31	65.06	66.64	61.35	52.90	1.115	1.236	1.277	1.537	1.500	1.630	1.890	22.813	0.048
509.39	89.66	80.89	78.35	65.11	66.71	61.39	53.01	1.115	1.236	1.276	1.536	1.499	1.629	1.886	22.760	0.048
509.58	89.62	80.91	78.30	65.16	66.74	61.44	52.96	1.116	1.236	1.277	1.535	1.498	1.628	1.888	22.759	0.048
509.78	89.69	80.95	78.38	65.22	66.80	61.51	53.03	1.115	1.235	1.276	1.533	1.497	1.626	1.886	22.705	0.048
509.98	89.74	81.02	78.43	65.26	66.80	61.56	53.08	1.114	1.234	1.275	1.532	1.497	1.624	1.884	22.668	0.048
510.18	89.82	81.21	78.61	65.34	66.95	61.74	53.21	1.113	1.231	1.272	1.531	1.494	1.620	1.879	22.554	0.048
510.38	89.94	81.35	78.77	65.44	67.15	61.91	53.33	1.112	1.229	1.269	1.528	1.489	1.615	1.875	22.434	0.048
510.58	89.82	81.32	78.67	65.38	67.14	61.91	53.33	1.113	1.230	1.271	1.530	1.489	1.615	1.875	22.456	0.048
510.78	89.89	81.32	78.73	65.49	67.20	61.93	53.38	1.113	1.230	1.270	1.527	1.488	1.615	1.874	22.413	0.048
510.98	89.91	81.30	78.73	65.47	67.20	61.90	53.39	1.112	1.230	1.270	1.527	1.488	1.616	1.873	22.418	0.048
511.18	89.93	81.38	78.77	65.55	67.22	61.93	53.46	1.112	1.229	1.269	1.526	1.488	1.615	1.871	22.376	0.047
511.38	89.96	81.44	78.84	65.57	67.22	62.03	53.50	1.112	1.228	1.268	1.525	1.488	1.612	1.869	22.338	0.047
511.58	89.95	81.42	78.85	65.54	67.20	62.08	53.52	1.112	1.228	1.268	1.526	1.488	1.611	1.869	22.332	0.047
511.78	90.07	81.42	78.99	65.61	67.34	62.14	53.62	1.110	1.228	1.266	1.524	1.485	1.609	1.865	22.256	0.047
511.98	90.08	81.41	78.98	65.54	67.38	62.20	53.65	1.110	1.228	1.266	1.526	1.484	1.608			

512.18	89.84	81.30	78.87	65.47	67.25	62.18	53.57	1.113	1.230	1.268	1.528	1.487	1.608	1.867	22.314	0.047
512.38	89.93	81.45	78.99	65.59	67.45	62.34	53.76	1.112	1.228	1.266	1.525	1.483	1.604	1.860	22.184	0.047
512.58	90.00	81.56	79.04	65.68	67.56	62.42	53.85	1.111	1.226	1.265	1.522	1.480	1.602	1.857	22.111	0.047
512.78	90.01	81.69	79.06	65.77	67.72	62.53	53.95	1.111	1.224	1.265	1.520	1.477	1.599	1.854	22.029	0.047
512.97	90.06	81.85	79.13	65.83	67.82	62.61	53.96	1.110	1.222	1.264	1.519	1.475	1.597	1.853	21.977	0.047
513.17	89.96	81.85	79.03	65.68	67.77	62.61	53.88	1.112	1.222	1.265	1.522	1.476	1.597	1.856	22.031	0.047
513.37	90.10	82.09	79.20	65.86	67.91	62.85	53.98	1.110	1.218	1.263	1.518	1.473	1.591	1.853	21.900	0.046
513.57	90.10	82.08	79.29	65.95	67.94	62.87	54.02	1.110	1.218	1.261	1.516	1.472	1.591	1.851	21.866	0.046
513.77	90.07	82.10	79.31	65.95	67.98	62.90	54.10	1.110	1.218	1.261	1.516	1.471	1.590	1.849	21.834	0.046
513.97	90.13	82.14	79.40	65.99	68.10	63.00	54.13	1.109	1.217	1.260	1.515	1.468	1.587	1.847	21.779	0.046
514.17	90.17	82.19	79.53	66.03	68.17	63.07	54.31	1.109	1.217	1.257	1.515	1.467	1.586	1.841	21.700	0.046
514.37	90.13	82.03	79.47	66.13	68.11	63.04	54.37	1.109	1.219	1.258	1.512	1.468	1.586	1.839	21.699	0.046
514.57	90.01	82.00	79.51	66.20	68.04	63.00	54.32	1.111	1.220	1.258	1.511	1.470	1.587	1.841	21.720	0.046
514.77	90.12	82.17	79.71	66.41	68.22	63.12	54.49	1.110	1.217	1.255	1.506	1.466	1.584	1.835	21.582	0.046
514.97	89.95	82.04	79.68	66.33	68.16	63.20	54.52	1.112	1.219	1.255	1.508	1.467	1.582	1.834	21.595	0.046
515.17	90.03	82.13	79.66	66.35	68.19	63.28	54.53	1.111	1.218	1.255	1.507	1.467	1.580	1.834	21.568	0.046
515.37	89.93	82.06	79.69	66.36	68.23	63.26	54.55	1.112	1.219	1.255	1.507	1.466	1.581	1.833	21.563	0.046
515.56	89.84	82.10	79.74	66.43	68.40	63.34	54.74	1.113	1.218	1.254	1.505	1.462	1.579	1.827	21.473	0.046
515.76	89.86	82.13	79.76	66.55	68.51	63.31	54.80	1.113	1.218	1.254	1.503	1.460	1.580	1.825	21.430	0.045
515.96	89.89	82.26	79.87	66.62	68.55	63.41	54.94	1.112	1.216	1.252	1.501	1.459	1.577	1.820	21.355	0.045
516.16	89.89	82.24	80.00	66.77	68.62	63.38	54.99	1.113	1.216	1.250	1.498	1.457	1.578	1.819	21.309	0.045
516.36	90.01	82.34	80.17	66.87	68.83	63.50	55.11	1.111	1.215	1.247	1.495	1.453	1.575	1.814	21.201	0.045
516.56	90.00	82.42	80.22	66.91	68.79	63.64	55.15	1.111	1.213	1.247	1.494	1.454	1.571	1.813	21.161	0.045
516.76	89.86	82.27	80.25	66.79	68.75	63.61	55.14	1.113	1.216	1.246	1.497	1.455	1.572	1.814	21.198	0.045
516.96	90.08	82.40	80.49	66.86	68.86	63.67	55.27	1.110	1.214	1.242	1.496	1.452	1.571	1.809	21.106	0.045
517.16	90.05	82.33	80.56	66.94	68.93	63.76	55.36	1.110	1.215	1.241	1.494	1.451	1.568	1.806	21.050	0.045
517.36	90.20	82.46	80.87	67.13	69.10	63.95	55.52	1.109	1.213	1.237	1.490	1.447	1.564	1.801	20.905	0.044
517.56	90.29	82.55	81.02	67.15	69.26	63.99	55.72	1.108	1.211	1.234	1.489	1.444	1.563	1.795	20.812	0.044
517.75	90.44	82.76	81.16	67.22	69.41	64.15	55.79	1.106	1.208	1.232	1.488	1.441	1.559	1.793	20.718	0.044
517.95	90.42	82.63	81.19	67.19	69.41	64.10	55.71	1.106	1.210	1.232	1.488	1.441	1.560	1.795	20.750	0.044
518.15	90.33	82.55	81.17	67.21	69.42	64.08	55.75	1.107	1.211	1.232	1.488	1.441	1.560	1.794	20.750	0.044
518.35	90.38	82.55	81.24	67.25	69.56	64.18	55.69	1.106	1.211	1.231	1.487	1.438	1.558	1.796	20.717	0.044
518.55	90.24	82.50	81.22	67.15	69.68	64.17	55.59	1.108	1.212	1.231	1.489	1.435	1.558	1.799	20.746	0.044
518.75	90.44	82.64	81.27	67.26	69.85	64.39	55.86	1.106	1.210	1.230	1.487	1.432	1.553	1.790	20.598	0.044
518.95	90.51	82.71	81.44	67.44	69.92	64.53	55.97	1.105	1.209	1.228	1.483	1.430	1.550	1.787	20.502	0.043
519.15	90.64	82.95	81.62	67.66	70.22	64.73	56.16	1.103	1.206	1.225	1.478	1.424	1.545	1.781	20.333	0.043
519.35	90.57	82.99	81.76	67.79	70.29	64.80	56.22	1.104	1.205	1.223	1.475	1.423	1.543	1.779	20.273	0.043
519.54	90.64	83.20	81.85	67.93	70.35	64.91	56.30	1.103	1.202	1.222	1.472	1.422	1.541	1.776	20.194	0.043
519.74	90.63	83.07	81.84	67.92	70.23	64.87	56.27	1.103	1.204	1.222	1.472	1.424	1.542	1.777	20.230	0.043
519.94	90.75	83.20	82.04	68.09	70.39	65.17	56.36	1.102	1.202	1.219	1.469	1.421	1.534	1.774	20.097	0.043
520.14	90.99	83.42	82.29	68.31	70.64	65.35	56.44	1.099	1.199	1.215	1.464	1.416	1.530	1.772	19.956	0.042
520.34	91.18	83.75	82.58	68.45	70.75	65.59	56.65	1.097	1.194	1.211	1.461	1.413	1.525	1.765	19.798	0.042
520.54	91.36	83.99	82.74	68.64	70.87	65.82	56.82	1.095	1.191	1.209	1.457	1.411	1.519	1.760	19.656	0.042
520.74	91.33	83.99	82.82	68.68	71.04	65.91	56.88	1.095	1.191	1.207	1.456	1.408	1.517	1.758	19.598	0.042
520.94	91.49	84.22	83.05	69.01	71.25	66.15	57.23	1.093	1.187	1.204	1.449	1.403	1.512	1.747	19.383	0.041
521.14	91.26	84.08	82.96	69.12	71.19	66.23	57.24	1.096	1.189	1.205	1.447	1.405	1.510	1.747	19.384	0.041
521.33	91.35	84.16	83.01	69.27	71.24	66.39	57.33	1.095	1.188	1.205	1.444	1.404	1.506	1.744	19.305	0.041
521.53	91.33	84.09	83.03	69.35	71.27	66.31	57.57	1.095	1.189	1.204	1.442	1.403	1.508	1.737	19.257	0.041
521.73	91.52	84.20	83.12	69.61	71.37	66.52	57.60	1.093	1.188	1.203	1.437	1.401	1.503	1.736	19.157	0.041
521.93	91.32	84.15	83.07	69.62	71.62	66.69	57.81	1.095	1.188	1.204	1.436	1.396	1.499	1.730	19.064	0.040
522.13	91.41	84.46	83.23	69.81	71.74	66.85	58.04	1.094	1.184	1.201	1.432	1.394	1.496	1.723	18.924	0.040
522.33	91.56	84.60	83.39	69.87	71.89	67.07	58.22	1.092	1.182	1.199	1.431	1.391	1.491	1.718	18.800	0.040
522.53	91.63	84.83	83.51	70.03	71.93	67.22	58.48	1.091	1.179	1.197	1.428	1.390	1.488	1.710	18.677	0.040
522.73	92.02	85.22	83.87	70.29	72.27	67.61	58.86	1.087	1.173	1.192	1.423	1.384	1.479	1.699	18.410	0.039
522.92	91.97	85.03	83.84	70.12	72.20	67.46	58.71	1.087	1.176	1.193	1.426	1.385	1.482	1.703	18.505	0.039
523.12	91.92	84.85	83.68	69.89	72.13	67.39	58.67	1.088	1.179	1.195	1.431	1.386	1.484	1.705	18.583	0.039
523.32	91.95	84.93	83.79	69.91	72.05	67.32	58.75	1.088	1.177	1.193	1.430	1.387	1.485	1.702	18.566	0.039
523.52	92.24	85.12	84.01	70.05	72.47	67.55	59.03	1.084	1.175	1.190	1.427	1.380	1.480	1.694	18.374	0.039
523.72	92.26	85.10	84.17	70.13	72.59	67.76	59.13	1.084	1.175	1.188	1.426	1.378	1.476	1.691	18.286	0.039
523.92	92.29	85.35	84.39	70.23	72.86	67.94	59.20	1.083	1.172	1.185	1.424	1.373	1.472	1.689	18.167	0.039
524.12	92.26	85.34	84.50	70.17	73.00	67.90	59.18	1.084	1.172	1.183	1.425	1.370	1.473	1.690	18.161	0.039
524.31	91.90	85.18	84.34	70.02	72.79	67.80	59.12	1.088	1.174	1.186	1.428	1.374	1.475	1.691	18.263	0.039
524.51	91.88	85.17	84.10	70.10	72.85	67.79	59.14	1.088	1.174	1.189	1.427	1.373	1.475	1.691	18.261	0.039
524.71	91.62	84.94	84.07	69.85	72.98	67.60	59.22	1.091	1.177	1.189	1.432	1.370	1.479	1.689	18.308	0.039
524.91	91.71	84.99	84.08	69.95	72.97	67.64	59.19	1.090	1.177	1.189	1.430	1.370	1.478	1.689	18.291	0.039
525.11	91.92	85.06	84.16	69.90	73.04	67.72	59.12	1.088	1.176	1.188	1.431	1.369	1.477	1.691	18.277	0.039
525.31	92.12	85.06	84.24	69.99	73.40	67.77	59.28	1.086	1.176	1.187	1.429	1.362	1.476	1.687	18.171	0.039
525.51	92.06	85.16	84.35	69.96	73.58	67.72	59.42	1.086	1.174	1.186	1.429	1.359	1.477	1.683	18.119	0.038
525.70	92.12	85.41	84.41	70.01	73.74	67.95	59.52	1.086	1.171	1.185	1.428	1.356	1.472	1.680	18.019	0.038
525.90	91.90	85.22	84.48	69.90	73.71	67.99	59.66	1.088	1.173	1.184	1.431	1.357	1.471			

526.10	92.16	85.34	84.52	70.23	73.63	68.05	59.65	1.085	1.172	1.183	1.424	1.358	1.469	1.676	17.957	0.038
526.30	92.26	85.33	84.66	70.16	73.69	68.07	59.57	1.084	1.172	1.181	1.425	1.357	1.469	1.679	17.959	0.038
526.50	92.19	85.59	84.79	70.52	73.67	68.09	59.53	1.085	1.168	1.179	1.418	1.357	1.469	1.680	17.905	0.038
526.70	92.30	85.69	84.89	70.62	74.03	68.32	59.60	1.083	1.167	1.178	1.416	1.351	1.464	1.678	17.786	0.038
526.89	92.16	85.78	85.09	70.53	73.94	68.20	59.78	1.085	1.166	1.175	1.418	1.352	1.466	1.673	17.772	0.038
527.09	92.21	85.99	85.26	70.70	74.13	68.30	59.92	1.084	1.163	1.173	1.414	1.349	1.464	1.669	17.661	0.037
527.29	92.19	86.50	85.38	70.78	74.20	68.32	60.14	1.085	1.161	1.171	1.413	1.348	1.464	1.663	17.582	0.037
527.49	92.56	86.46	85.83	71.19	74.45	68.78	60.53	1.080	1.157	1.165	1.405	1.343	1.454	1.652	17.293	0.037
527.69	92.38	86.47	85.89	71.15	74.23	68.88	60.58	1.082	1.156	1.164	1.405	1.347	1.452	1.651	17.288	0.037
527.89	92.48	86.59	86.02	71.29	74.43	68.97	60.79	1.081	1.155	1.162	1.403	1.344	1.450	1.645	17.183	0.036
528.08	92.67	86.67	85.93	71.54	74.35	68.95	60.83	1.079	1.154	1.164	1.398	1.345	1.450	1.644	17.157	0.036
528.28	92.75	87.02	86.11	71.69	74.36	69.15	61.14	1.078	1.149	1.161	1.395	1.345	1.446	1.636	17.013	0.036
528.48	92.97	87.03	86.13	71.73	74.53	69.19	61.27	1.076	1.149	1.161	1.394	1.342	1.445	1.632	16.949	0.036
528.68	93.04	87.16	86.48	71.85	74.58	69.33	61.33	1.075	1.147	1.156	1.392	1.341	1.442	1.631	16.862	0.036
528.88	93.46	87.53	86.86	72.53	74.71	69.58	61.48	1.070	1.142	1.151	1.379	1.339	1.437	1.627	16.647	0.035
529.08	93.70	87.72	87.31	72.81	75.12	69.92	61.80	1.067	1.140	1.145	1.374	1.331	1.430	1.618	16.401	0.035
529.27	93.79	87.93	87.43	73.07	75.40	69.87	62.11	1.066	1.137	1.144	1.368	1.326	1.431	1.610	16.261	0.034
529.47	93.56	88.13	87.29	73.05	75.07	69.99	62.18	1.069	1.135	1.146	1.369	1.332	1.429	1.608	16.279	0.035
529.67	93.90	88.42	87.65	73.32	75.14	70.35	62.30	1.065	1.131	1.141	1.364	1.331	1.421	1.605	16.116	0.034
529.87	93.90	88.30	87.80	73.34	75.13	70.32	61.94	1.065	1.133	1.139	1.364	1.331	1.422	1.614	16.186	0.034
530.07	93.53	88.42	87.72	73.35	75.08	70.03	61.83	1.069	1.131	1.140	1.363	1.332	1.428	1.617	16.263	0.034
530.27	93.54	88.55	88.06	73.45	75.15	70.35	62.09	1.069	1.129	1.136	1.361	1.331	1.421	1.611	16.113	0.034
530.46	93.69	88.74	88.36	73.80	75.43	70.73	62.65	1.067	1.127	1.132	1.355	1.326	1.414	1.596	15.842	0.034
530.66	93.71	88.56	88.43	73.67	75.64	70.91	62.96	1.067	1.129	1.131	1.357	1.322	1.410	1.588	15.747	0.033
530.86	93.84	88.59	88.75	74.04	75.66	70.98	63.37	1.066	1.129	1.127	1.351	1.322	1.409	1.578	15.584	0.033
531.06	93.61	88.25	88.30	74.06	75.59	70.88	63.13	1.068	1.133	1.132	1.350	1.323	1.411	1.584	15.705	0.033
531.26	93.69	88.50	88.65	74.29	75.91	71.41	63.56	1.067	1.130	1.128	1.346	1.317	1.400	1.573	15.444	0.033
531.45	93.54	88.45	88.76	74.30	75.83	71.44	63.45	1.069	1.131	1.127	1.346	1.319	1.400	1.576	15.466	0.033
531.65	93.24	88.33	88.60	74.28	75.91	71.17	63.43	1.072	1.132	1.129	1.346	1.317	1.405	1.577	15.527	0.033
531.85	93.65	88.74	88.98	74.52	76.29	71.43	63.80	1.068	1.127	1.124	1.342	1.311	1.400	1.567	15.287	0.032
532.05	93.79	88.81	89.12	74.58	76.37	71.42	63.81	1.066	1.126	1.122	1.341	1.309	1.400	1.567	15.256	0.032
532.25	93.73	88.66	89.15	74.28	76.34	71.23	63.69	1.067	1.128	1.122	1.346	1.310	1.404	1.570	15.349	0.033
532.44	93.88	88.34	89.08	74.44	76.43	71.25	63.78	1.065	1.132	1.123	1.343	1.308	1.404	1.568	15.319	0.032
532.64	93.78	88.43	89.03	74.31	76.40	71.26	63.96	1.066	1.131	1.123	1.346	1.309	1.403	1.563	15.301	0.032
532.84	94.10	88.56	89.65	74.57	76.83	71.54	64.33	1.063	1.129	1.115	1.341	1.302	1.398	1.554	15.052	0.032
533.04	93.90	88.45	89.66	74.22	76.95	71.66	64.44	1.065	1.131	1.115	1.347	1.299	1.395	1.552	15.045	0.032
533.24	93.39	88.10	89.15	73.86	76.56	71.18	64.17	1.071	1.135	1.122	1.354	1.306	1.405	1.558	15.322	0.032
533.43	93.10	87.47	88.72	73.48	76.30	71.18	63.72	1.074	1.143	1.127	1.361	1.311	1.405	1.569	15.548	0.033
533.63	93.53	87.55	89.17	73.84	76.78	71.27	64.00	1.069	1.142	1.121	1.354	1.302	1.403	1.562	15.338	0.033
533.83	93.03	87.20	88.86	73.69	76.67	71.13	63.97	1.075	1.147	1.125	1.357	1.304	1.406	1.563	15.447	0.033
534.03	93.25	87.18	89.02	73.88	76.86	71.50	64.28	1.072	1.147	1.123	1.353	1.301	1.399	1.556	15.273	0.032
534.23	93.85	87.33	89.20	74.23	77.66	72.11	64.48	1.066	1.145	1.121	1.347	1.288	1.387	1.551	14.980	0.032
534.42	93.48	86.75	88.90	73.78	77.26	71.61	64.22	1.070	1.153	1.125	1.355	1.294	1.396	1.557	15.258	0.032
534.62	93.85	87.14	89.21	73.84	77.52	71.60	64.30	1.066	1.148	1.121	1.354	1.290	1.397	1.555	15.159	0.032
534.82	93.57	86.94	89.09	73.60	77.56	71.41	64.19	1.069	1.150	1.122	1.359	1.289	1.400	1.558	15.253	0.032
535.02	93.33	87.12	88.78	73.61	77.44	71.03	63.92	1.071	1.148	1.126	1.358	1.291	1.408	1.564	15.391	0.033
535.22	93.91	87.22	89.54	74.25	77.67	71.51	64.20	1.065	1.147	1.117	1.347	1.287	1.398	1.558	15.096	0.032
535.41	94.13	87.15	89.44	74.43	77.84	71.41	64.16	1.062	1.147	1.118	1.344	1.285	1.400	1.559	15.084	0.032
535.61	94.86	87.66	89.94	75.05	78.62	72.08	64.59	1.054	1.141	1.112	1.332	1.272	1.387	1.548	14.669	0.031
535.81	95.27	87.91	90.17	75.08	78.82	72.44	64.59	1.050	1.138	1.109	1.332	1.269	1.381	1.548	14.555	0.031
536.01	95.34	87.71	90.07	75.29	78.54	72.38	64.52	1.049	1.140	1.110	1.328	1.273	1.382	1.550	14.599	0.031
536.20	96.14	88.04	90.79	75.54	79.06	72.85	64.94	1.040	1.136	1.101	1.324	1.265	1.373	1.540	14.281	0.030
536.40	96.51	88.68	91.46	76.40	79.79	73.57	65.54	1.036	1.128	1.093	1.309	1.253	1.359	1.526	13.802	0.029
536.60	95.91	88.72	91.18	76.17	79.92	73.41	65.36	1.043	1.127	1.097	1.313	1.251	1.362	1.530	13.901	0.029
536.80	96.34	89.44	91.95	77.09	80.55	74.16	65.65	1.038	1.118	1.088	1.297	1.241	1.348	1.523	13.473	0.029
537.00	95.87	89.09	91.17	76.63	80.49	74.06	65.32	1.043	1.122	1.097	1.305	1.242	1.350	1.531	13.687	0.029
537.19	96.31	89.42	91.48	77.20	80.72	74.29	65.55	1.038	1.118	1.093	1.295	1.239	1.346	1.526	13.477	0.029
537.39	96.64	89.76	91.89	77.71	81.19	74.61	66.03	1.035	1.114	1.088	1.287	1.232	1.340	1.514	13.183	0.028
537.59	97.04	90.14	92.67	78.09	81.37	74.88	66.28	1.031	1.109	1.079	1.281	1.229	1.335	1.509	12.959	0.027
537.79	97.33	90.28	92.90	78.00	81.41	75.15	65.98	1.027	1.108	1.076	1.282	1.228	1.331	1.516	12.955	0.027
537.98	97.76	90.38	93.29	78.46	81.88	75.42	66.43	1.023	1.106	1.072	1.275	1.221	1.326	1.505	12.690	0.027
538.18	96.90	89.93	92.84	78.16	81.42	74.80	66.20	1.032	1.112	1.077	1.279	1.228	1.337	1.511	12.972	0.028
538.38	97.09	90.17	93.24	78.31	81.13	74.83	66.65	1.030	1.109	1.072	1.277	1.233	1.336	1.500	12.859	0.027
538.58	97.05	90.69	93.74	78.63	81.54	75.20	66.93	1.030	1.103	1.067	1.272	1.226	1.330	1.494	12.618	0.027
538.77	96.78	90.67	93.60	78.73	82.02	75.52	67.33	1.033	1.103	1.068	1.270	1.219	1.324	1.485	12.456	0.026
538.97	97.23	91.29	93.80	78.98	82.54	75.28	67.38	1.028	1.095	1.066	1.266	1.212	1.328	1.484	12.342	0.026
539.17	97.20	91.24	94.33	79.18	83.19	75.75	67.30	1.029	1.096	1.060	1.263	1.202	1.320	1.486	12.171	0.026
539.37	96.97	91.97	94.65	79.25	83.75	75.90	67.51	1.031	1.087	1.057	1.262	1.194	1.317	1.481	11.992	0.025
539.56	96.80	91.71	94.84	79.26	83.51	76.01	67.72	1.033	1.090	1.054	1.262	1.197	1.316	1.477	11.968	0.025
539.76	96.45	91.86	94.97	79.30	83.76	75.94	67.75	1.037	1.089	1.053	1.261	1.194	1.317			

539.96	96.30	91.39	95.05	79.48	83.72	75.93	67.63	1.038	1.094	1.052	1.258	1.194	1.317	1.479	11.961	0.025
540.16	95.60	91.35	95.06	79.36	84.43	76.09	67.87	1.046	1.095	1.052	1.260	1.184	1.314	1.473	11.850	0.025
540.35	94.55	90.84	94.12	78.97	83.93	75.91	67.82	1.058	1.101	1.062	1.266	1.191	1.317	1.474	12.090	0.026
540.55	94.29	90.32	94.20	78.43	83.80	75.64	67.73	1.061	1.107	1.062	1.275	1.193	1.322	1.476	12.240	0.026
540.75	94.04	90.54	94.59	78.50	83.66	75.73	67.73	1.063	1.104	1.057	1.274	1.195	1.320	1.477	12.206	0.026
540.95	93.99	89.92	94.19	78.22	83.16	75.38	67.42	1.064	1.112	1.062	1.279	1.203	1.327	1.483	12.451	0.026
541.14	93.89	90.07	94.57	78.32	83.01	75.37	67.65	1.065	1.110	1.057	1.277	1.205	1.327	1.478	12.385	0.026
541.34	93.29	90.03	94.13	77.76	82.45	75.19	67.04	1.072	1.111	1.062	1.286	1.213	1.330	1.492	12.689	0.027
541.54	93.65	90.27	94.78	77.97	82.64	75.80	66.88	1.068	1.108	1.055	1.283	1.210	1.319	1.495	12.527	0.027
541.74	93.91	91.16	95.15	78.53	83.63	76.84	67.61	1.065	1.097	1.051	1.273	1.196	1.301	1.479	12.013	0.025
541.93	92.89	90.37	94.75	77.68	83.18	76.09	67.09	1.077	1.107	1.055	1.287	1.202	1.314	1.490	12.437	0.026
542.13	92.38	90.34	94.62	77.28	83.11	75.73	66.55	1.082	1.107	1.057	1.294	1.203	1.320	1.503	12.660	0.027
542.33	92.60	90.63	94.67	77.48	83.27	76.11	66.62	1.080	1.103	1.056	1.291	1.201	1.314	1.501	12.534	0.027
542.53	92.04	90.34	94.36	77.15	83.37	75.86	66.42	1.087	1.107	1.060	1.296	1.200	1.318	1.506	12.680	0.027
542.72	92.58	90.93	94.55	77.20	83.85	75.97	66.58	1.080	1.100	1.058	1.295	1.193	1.316	1.502	12.524	0.027
542.92	92.89	90.65	94.96	77.35	83.59	75.93	66.43	1.077	1.103	1.053	1.293	1.196	1.317	1.505	12.548	0.027
543.12	92.57	90.23	95.21	77.41	82.84	76.38	66.38	1.080	1.108	1.050	1.292	1.207	1.309	1.506	12.582	0.027
543.32	93.07	90.58	95.50	77.43	82.93	76.84	67.09	1.074	1.104	1.047	1.291	1.206	1.301	1.490	12.328	0.026
543.51	93.41	90.30	95.94	77.44	83.10	76.95	67.16	1.070	1.107	1.042	1.291	1.203	1.299	1.489	12.256	0.026
543.71	92.94	90.14	95.35	76.95	82.86	76.83	66.78	1.076	1.109	1.049	1.300	1.207	1.302	1.497	12.480	0.026
543.91	92.32	89.82	95.00	76.44	82.54	76.53	66.74	1.083	1.113	1.053	1.308	1.212	1.307	1.498	12.672	0.027
544.11	92.56	89.93	94.92	76.51	82.69	76.70	66.78	1.080	1.112	1.053	1.307	1.209	1.304	1.498	12.613	0.027
544.30	92.29	89.28	94.42	76.32	81.45	76.31	66.19	1.084	1.120	1.059	1.310	1.228	1.310	1.511	13.000	0.028
544.50	92.61	89.45	94.73	76.54	81.73	76.34	66.27	1.080	1.118	1.056	1.307	1.224	1.310	1.509	12.893	0.027
544.70	92.76	90.26	94.86	77.49	82.04	76.52	67.16	1.078	1.108	1.054	1.291	1.219	1.307	1.489	12.514	0.027
544.89	93.47	90.41	95.17	77.98	82.13	76.87	67.84	1.070	1.106	1.051	1.282	1.218	1.301	1.474	12.236	0.026
545.09	93.20	90.83	95.77	78.39	82.40	77.13	68.48	1.073	1.101	1.044	1.276	1.214	1.297	1.460	11.959	0.025
545.29	93.27	90.64	95.26	78.52	82.27	77.45	68.37	1.072	1.103	1.050	1.274	1.215	1.291	1.463	11.975	0.025
545.49	93.35	90.29	95.35	78.89	82.49	77.55	68.63	1.071	1.107	1.049	1.268	1.212	1.290	1.457	11.862	0.025
545.68	93.22	90.23	95.23	78.73	82.75	77.50	69.27	1.073	1.108	1.050	1.270	1.208	1.290	1.444	11.757	0.025
545.88	92.73	89.84	94.70	78.53	81.98	76.69	68.64	1.078	1.113	1.056	1.273	1.220	1.304	1.457	12.146	0.026
546.08	92.91	90.79	95.27	79.47	82.09	77.15	69.53	1.076	1.101	1.050	1.258	1.218	1.296	1.438	11.730	0.025
546.27	94.19	91.43	96.58	80.19	82.73	77.71	70.67	1.062	1.094	1.035	1.247	1.209	1.287	1.415	11.161	0.024
546.47	94.76	92.09	97.31	81.21	83.50	78.17	71.59	1.055	1.086	1.028	1.231	1.198	1.279	1.397	10.660	0.023
546.67	94.94	92.25	97.44	81.61	83.23	78.42	71.36	1.053	1.084	1.026	1.225	1.201	1.275	1.401	10.634	0.023
546.87	95.34	92.49	98.05	82.36	83.93	79.23	71.48	1.049	1.081	1.020	1.214	1.191	1.262	1.399	10.297	0.022
547.06	94.88	92.74	98.19	82.70	84.24	79.52	71.42	1.054	1.078	1.018	1.209	1.187	1.258	1.400	10.193	0.022
547.26	95.23	93.63	98.50	83.22	85.17	80.04	71.95	1.050	1.068	1.015	1.202	1.174	1.249	1.390	9.815	0.021
547.46	95.00	93.38	98.83	83.57	85.44	80.11	72.11	1.053	1.071	1.012	1.197	1.170	1.248	1.387	9.710	0.021
547.65	94.88	94.16	98.53	83.90	85.72	80.42	72.39	1.054	1.062	1.015	1.192	1.167	1.243	1.381	9.546	0.020
547.85	95.46	94.53	99.52	84.49	86.16	80.92	72.74	1.048	1.058	1.005	1.184	1.161	1.236	1.375	9.224	0.020
548.05	96.72	95.20	99.99	85.35	86.69	81.97	73.13	1.034	1.050	1.000	1.172	1.154	1.220	1.367	8.797	0.019
548.24	96.45	95.61	100.50	85.14	87.10	81.71	73.81	1.037	1.046	0.995	1.174	1.148	1.224	1.355	8.650	0.018
548.44	97.54	96.92	102.17	85.96	88.78	82.54	74.74	1.025	1.032	0.979	1.163	1.126	1.211	1.338	7.953	0.017
548.64	97.74	97.65	102.89	86.81	89.47	83.26	75.26	1.023	1.024	0.972	1.152	1.118	1.201	1.329	7.545	0.016
548.84	97.54	97.29	102.80	86.08	89.61	83.69	74.76	1.025	1.028	0.973	1.162	1.116	1.195	1.338	7.658	0.016
549.03	97.56	97.88	103.41	86.44	90.33	84.49	74.91	1.025	1.022	0.967	1.157	1.107	1.184	1.335	7.364	0.016
549.23	98.30	97.86	103.24	86.78	91.26	84.73	75.00	1.017	1.022	0.969	1.152	1.096	1.180	1.333	7.190	0.015
549.43	98.83	98.11	103.99	87.17	92.02	84.50	75.74	1.012	1.019	0.962	1.147	1.087	1.183	1.320	6.915	0.015
549.62	98.11	97.91	103.76	86.41	91.72	84.07	76.37	1.019	1.021	0.964	1.157	1.090	1.189	1.309	7.009	0.015
549.82	99.30	98.85	104.72	87.43	92.13	84.73	76.85	1.007	1.012	0.955	1.144	1.085	1.180	1.301	6.585	0.014

Star Trial 2 Mean Data

																X ² X
				%T				1/(T/100)				378.244				
	2.1	4.15	6.18	8.2	10.08	12.23		2.100	4.150	6.180	8.200	10.080	12.230	X*T	(X ² /X) ² X*T	
400.07	118.66	115.57	108.85	103.61	97.49	88.85		0.843	0.865	0.919	0.965	1.026	1.125	-0.073	0.000	
400.27	117.82	114.34	107.12	102.08	95.81	87.75		0.849	0.875	0.934	0.980	1.044	1.140	0.536	0.001	
400.48	118.04	114.48	106.52	101.17	95.09	86.87		0.847	0.874	0.939	0.988	1.052	1.151	0.833	0.002	
400.68	116.40	113.54	105.63	99.42	93.52	86.06		0.859	0.881	0.947	1.006	1.069	1.162	1.375	0.004	
400.89	115.89	112.20	104.78	98.90	92.95	85.28		0.863	0.891	0.954	1.011	1.076	1.173	1.699	0.004	
401.1	115.82	112.08	103.67	99.20	93.31	84.48		0.863	0.892	0.965	1.008	1.072	1.184	1.822	0.005	
401.3	116.75	112.24	103.65	99.64	93.52	84.41		0.857	0.891	0.965	1.004	1.069	1.185	1.753	0.005	
401.51	116.10	111.57	102.88	98.85	92.87	83.88		0.861	0.896	0.972	1.012	1.077	1.192	2.049	0.005	
401.71	115.55	110.53	102.09	98.67	92.65	83.24		0.865	0.905	0.980	1.014	1.079	1.201	2.276	0.006	
401.92	115.45	110.33	101.02	98.58	92.54	82.72		0.866	0.906	0.990	1.014	1.081	1.209	2.447	0.006	
402.13	115.72	109.35	100.43	98.50	92.56	81.72		0.864	0.914	0.996	1.015	1.080	1.224	2.668	0.007	
402.33	113.96	108.22	98.92	96.78	91.34	80.38		0.877	0.924	1.011	1.033	1.095	1.244	3.319	0.009	
402.54	114.79	109.28	99.45	96.91	91.42	82.22		0.871	0.915	1.006	1.032	1.094	1.216	2.932	0.008	
402.74	114.21	109.06	99.11	96.61	91.58	81.31		0.876	0.917	1.009	1.035	1.092	1.230	3.118	0.008	
402.95	113.58	107.89	98.71	95.96	91.59	80.59		0.880	0.927	1.013	1.042	1.092	1.241	3.361	0.009	
403.16	113.06	106.55	97.85	95.27	90.39	79.63		0.885	0.939	1.022	1.050	1.106	1.256	3.815	0.010	
403.36	113.06	106.07	98.24	94.97	90.44	79.16		0.885	0.943	1.018	1.053	1.106	1.263	3.901	0.010	
403.57	112.84	106.40	98.43	95.21	90.43	79.62		0.886	0.940	1.016	1.050	1.106	1.256	3.791	0.010	
403.77	114.53	108.27	101.07	97.34	91.40	81.06		0.873	0.924	0.989	1.027	1.094	1.234	3.016	0.008	
403.98	114.66	108.52	101.60	97.57	92.29	81.61		0.872	0.922	0.984	1.025	1.084	1.225	2.772	0.007	
404.18	112.34	106.58	99.23	95.83	91.35	80.13		0.890	0.938	1.008	1.044	1.095	1.248	3.510	0.009	
404.39	113.44	107.04	99.14	96.51	92.19	80.70		0.882	0.934	1.009	1.036	1.085	1.239	3.241	0.009	
404.6	114.17	108.10	100.27	97.78	93.66	81.15		0.876	0.925	0.997	1.023	1.068	1.232	2.781	0.007	
404.8	114.29	107.62	100.56	97.56	93.33	80.87		0.875	0.929	0.994	1.025	1.071	1.237	2.875	0.008	
405.01	115.39	108.15	101.44	98.44	94.38	81.86		0.867	0.925	0.986	1.016	1.060	1.222	2.445	0.006	
405.21	114.75	108.26	100.57	97.86	94.09	81.17		0.871	0.924	0.994	1.022	1.063	1.232	2.690	0.007	
405.42	113.12	106.76	100.10	96.10	92.50	80.68		0.884	0.937	0.999	1.041	1.081	1.239	3.201	0.008	
405.62	112.10	106.39	100.11	95.54	92.02	80.38		0.892	0.940	0.999	1.047	1.087	1.244	3.380	0.009	
405.83	111.13	105.77	99.31	94.68	91.11	79.17		0.900	0.945	1.007	1.056	1.098	1.263	3.832	0.010	
406.04	112.58	106.76	99.75	95.17	91.57	79.86		0.888	0.937	1.003	1.051	1.092	1.252	3.539	0.009	
406.24	113.57	107.30	100.43	95.35	92.02	80.57		0.880	0.932	0.996	1.049	1.087	1.240	3.270	0.009	
406.45	112.60	107.07	100.21	94.47	90.84	80.10		0.888	0.934	0.998	1.059	1.101	1.248	3.604	0.010	
406.65	112.95	107.22	100.66	94.27	90.81	80.59		0.885	0.933	0.993	1.061	1.101	1.241	3.508	0.009	
406.86	111.50	105.59	99.62	93.81	90.44	78.72		0.897	0.947	1.004	1.066	1.106	1.270	4.032	0.011	
407.06	110.52	104.51	98.22	92.58	89.01	77.73		0.905	0.957	1.018	1.080	1.123	1.286	4.605	0.012	
407.27	109.98	104.47	97.55	92.37	88.70	77.95		0.909	0.957	1.025	1.083	1.127	1.283	4.679	0.012	
407.47	109.88	104.98	97.66	92.65	88.95	78.17		0.910	0.953	1.024	1.079	1.124	1.279	4.565	0.012	
407.68	108.50	103.93	96.47	91.46	87.64	77.64		0.922	0.962	1.037	1.093	1.141	1.288	5.048	0.013	
407.89	108.41	103.95	96.43	91.22	87.55	77.06		0.922	0.962	1.037	1.096	1.142	1.298	5.174	0.014	
408.09	106.83	102.79	94.78	89.90	86.75	76.03		0.936	0.973	1.055	1.112	1.153	1.315	5.736	0.015	
408.3	107.30	103.10	94.50	89.50	86.30	75.80		0.932	0.970	1.058	1.117	1.159	1.319	5.857	0.015	
408.5	107.30	102.49	94.83	89.23	85.73	75.87		0.932	0.976	1.055	1.121	1.166	1.318	5.942	0.016	
408.71	107.39	102.48	94.89	89.12	85.28	75.39		0.931	0.976	1.054	1.122	1.173	1.326	6.078	0.016	
408.91	107.46	102.14	94.33	88.30	84.53	75.21		0.931	0.979	1.060	1.133	1.183	1.330	6.321	0.017	
409.12	106.85	101.84	93.90	88.23	84.51	74.87		0.936	0.982	1.065	1.133	1.183	1.336	6.436	0.017	
409.32	106.41	101.28	92.92	87.39	83.70	73.11		0.940	0.987	1.076	1.144	1.195	1.368	7.000	0.019	
409.53	105.93	100.81	93.57	87.06	83.18	72.83		0.944	0.992	1.069	1.149	1.202	1.373	7.127	0.019	
409.73	105.82	101.12	92.89	86.47	82.39	72.27		0.945	0.989	1.077	1.156	1.214	1.384	7.408	0.020	
409.94	105.55	100.71	91.77	85.47	81.27	71.53		0.947	0.993	1.090	1.170	1.231	1.398	7.864	0.021	
410.15	105.30	100.61	91.55	85.30	81.30	71.47		0.950	0.996	1.092	1.172	1.230	1.399	7.919	0.021	
410.35	103.61	98.84	90.28	84.04	79.97	69.98		0.965	1.012	1.108	1.190	1.250	1.429	8.650	0.023	
410.56	102.94	98.09	89.54	83.59	79.06	69.17		0.971	1.019	1.117	1.196	1.265	1.446	9.048	0.024	
410.76	103.49	98.29	89.72	84.23	79.68	69.37		0.966	1.017	1.115	1.187	1.255	1.442	8.940	0.023	
410.97	102.44	97.50	89.05	83.78	79.50	68.07		0.976	1.026	1.123	1.194	1.258	1.469	9.238	0.024	
411.17	102.40	97.59	89.11	83.28	79.31	68.45		0.977	1.025	1.122	1.201	1.261	1.461	9.237	0.024	
411.38	102.52	97.85	89.37	83.27	78.85	68.40		0.975	1.022	1.119	1.201	1.268	1.462	9.274	0.025	
411.58	102.21	97.88	89.24	82.89	78.39	67.70		0.978	1.022	1.121	1.206	1.276	1.477	9.511	0.025	
411.79	101.44	96.85	88.25	82.43	77.90	66.77		0.986	1.033	1.133	1.213	1.284	1.498	9.916	0.026	
411.99	101.64	96.83	88.14	81.99	77.32	66.23		0.984	1.033	1.135	1.220	1.293	1.510	10.141	0.027	
412.2	101.50	96.47	87.97	81.71	76.94	66.15		0.985	1.037	1.137	1.224	1.300	1.512	10.263	0.027	
412.4	100.79	95.66	87.25	80.59	75.61	65.21		0.992	1.045	1.146	1.241	1.323	1.533	10.827	0.029	
412.61	100.33	95.05	86.86	80.19	74.98	64.59		0.997	1.052	1.151	1.247	1.334	1.548	11.134	0.029	
412.81	100.28	95.11	86.52	80.43	74.67	64.42		0.997	1.051	1.156	1.243	1.339	1.552	11.205	0.030	
413.02	99.37	94.11	85.94	79.46	73.99	64.08		1.006	1.062	1.164	1.258	1.352	1.560	11.565	0.031	
413.23	98.18	93.05	84.72	78.47	73.04	62.96		1.019	1.075	1.180	1.274	1.369	1.588	12.177	0.032	
413.43	97.69	92.88	84.04	77.90	72.40	62.46		1.024	1.077	1.190	1.284	1.381	1.601	12.490	0.033	

413.64	97.23	92.66	83.94	77.61	72.25	62.57		1.028	1.079	1.191	1.289	1.384	1.598	12.547	0.033
413.84	97.07	92.13	83.29	77.38	71.99	62.19		1.030	1.085	1.201	1.292	1.389	1.608	12.756	0.034
414.05	97.04	91.71	83.37	76.97	71.53	61.77		1.030	1.090	1.199	1.299	1.398	1.619	12.963	0.034
414.25	96.92	91.73	83.08	76.77	71.36	61.21		1.032	1.090	1.204	1.303	1.401	1.634	13.142	0.035
414.46	97.40	92.11	83.11	76.64	71.27	60.97		1.027	1.086	1.203	1.305	1.403	1.640	13.187	0.035
414.66	97.19	92.20	83.19	76.48	71.34	60.74		1.029	1.085	1.202	1.308	1.402	1.646	13.235	0.035
414.87	96.57	91.77	82.51	75.87	70.65	60.16		1.036	1.090	1.212	1.318	1.415	1.662	13.599	0.036
415.07	96.11	91.25	81.87	75.12	69.81	59.26		1.041	1.096	1.221	1.331	1.433	1.687	14.068	0.037
415.28	96.07	90.95	81.68	74.57	69.33	59.14		1.041	1.100	1.224	1.341	1.442	1.691	14.250	0.038
415.48	95.51	90.24	81.20	74.16	68.50	58.13		1.047	1.108	1.232	1.348	1.460	1.720	14.710	0.039
415.69	95.36	89.91	81.04	73.95	68.35	57.80		1.049	1.112	1.234	1.352	1.463	1.730	14.856	0.039
415.89	95.00	89.23	80.43	73.16	67.63	57.41		1.053	1.121	1.243	1.367	1.479	1.742	15.219	0.040
416.1	94.66	88.94	80.01	72.67	66.99	57.03		1.056	1.124	1.250	1.376	1.493	1.754	15.506	0.041
416.3	94.20	88.78	79.34	72.60	67.03	56.69		1.062	1.126	1.260	1.377	1.492	1.764	15.650	0.041
416.51	93.82	88.26	78.54	72.00	66.33	56.01		1.066	1.133	1.273	1.389	1.508	1.785	16.066	0.042
416.71	94.06	88.33	78.46	71.95	66.41	55.51		1.063	1.132	1.275	1.390	1.506	1.801	16.166	0.043
416.92	93.72	87.78	77.84	71.24	65.90	55.20		1.067	1.139	1.285	1.404	1.518	1.812	16.478	0.044
417.12	93.49	87.69	77.70	70.71	65.53	54.82		1.070	1.140	1.287	1.414	1.526	1.824	16.701	0.044
417.33	93.11	87.39	77.23	70.35	65.13	54.26		1.074	1.144	1.295	1.421	1.535	1.843	16.988	0.045
417.53	93.22	87.23	77.22	70.35	64.97	53.98		1.073	1.146	1.295	1.421	1.539	1.853	17.084	0.045
417.74	92.68	86.08	76.53	69.63	64.32	53.20		1.079	1.162	1.307	1.436	1.555	1.880	17.570	0.046
417.94	92.33	85.65	76.12	69.33	63.78	52.81		1.083	1.168	1.314	1.442	1.568	1.894	17.843	0.047
418.15	92.01	85.22	75.64	68.94	63.29	52.59		1.087	1.173	1.322	1.451	1.580	1.902	18.086	0.048
418.35	91.83	84.95	75.32	68.91	63.28	52.29		1.089	1.177	1.328	1.451	1.580	1.912	18.204	0.048
418.56	91.48	84.58	75.10	68.60	62.94	51.81		1.093	1.182	1.332	1.458	1.589	1.930	18.452	0.049
418.76	90.80	83.75	74.42	67.98	62.26	51.13		1.101	1.194	1.344	1.471	1.606	1.956	18.909	0.050
418.97	90.62	83.15	73.93	67.59	61.86	50.64		1.104	1.203	1.353	1.479	1.617	1.975	19.214	0.051
419.17	90.30	82.73	73.57	67.02	61.42	50.16		1.107	1.209	1.359	1.482	1.628	1.994	19.531	0.052
419.38	89.87	82.21	73.11	66.39	61.08	49.75		1.113	1.216	1.368	1.506	1.637	2.010	19.840	0.052
419.58	89.87	82.20	72.87	66.31	60.91	49.55		1.113	1.217	1.372	1.508	1.642	2.018	19.948	0.053
419.79	89.69	82.00	72.51	65.74	60.50	49.25		1.115	1.220	1.379	1.521	1.653	2.030	20.206	0.053
419.99	89.51	81.84	72.32	65.45	60.29	48.88		1.117	1.222	1.383	1.528	1.659	2.046	20.398	0.054
420.2	89.59	81.62	72.27	65.23	60.08	48.46		1.116	1.225	1.384	1.533	1.664	2.064	20.579	0.054
420.4	89.43	81.38	71.93	64.83	59.65	48.14		1.118	1.229	1.390	1.542	1.676	2.077	20.829	0.055
420.61	89.07	80.94	71.64	64.33	59.10	47.57		1.123	1.236	1.396	1.555	1.692	2.102	21.188	0.056
420.81	88.88	80.69	71.46	64.00	58.76	47.30		1.125	1.239	1.399	1.563	1.702	2.114	21.390	0.057
421.02	88.46	80.23	71.08	63.61	58.35	46.90		1.130	1.246	1.407	1.572	1.714	2.132	21.681	0.057
421.22	88.39	80.15	70.95	63.56	58.17	46.61		1.131	1.248	1.409	1.573	1.719	2.145	21.830	0.058
421.43	88.31	79.97	70.62	63.33	58.03	46.32		1.132	1.250	1.416	1.579	1.723	2.159	21.981	0.058
421.63	88.07	79.71	70.27	62.88	57.67	45.99		1.136	1.255	1.423	1.590	1.734	2.175	22.242	0.059
421.84	88.00	79.73	70.07	62.58	57.37	45.78		1.136	1.254	1.427	1.598	1.743	2.185	22.407	0.059
422.04	88.01	79.83	69.91	62.51	57.32	45.72		1.136	1.253	1.430	1.600	1.745	2.187	22.450	0.059
422.24	87.80	79.58	69.55	62.25	57.04	45.41		1.139	1.257	1.438	1.606	1.753	2.202	22.666	0.060
422.45	87.72	79.43	69.34	61.98	56.75	45.00		1.140	1.259	1.442	1.613	1.762	2.222	22.893	0.061
422.65	87.49	79.17	68.96	61.54	56.24	44.64		1.143	1.263	1.450	1.625	1.778	2.240	23.194	0.061
422.86	87.28	78.87	68.71	61.28	55.92	44.43		1.146	1.268	1.455	1.632	1.788	2.251	23.388	0.062
423.06	87.35	78.99	68.72	61.23	55.83	44.45		1.145	1.266	1.455	1.633	1.791	2.250	23.395	0.062
423.27	87.10	78.80	68.51	60.96	55.54	44.32		1.148	1.269	1.460	1.640	1.800	2.256	23.553	0.062
423.47	86.96	78.58	68.25	60.79	55.33	44.11		1.150	1.273	1.465	1.645	1.807	2.267	23.711	0.063
423.68	86.72	78.36	68.02	60.59	55.02	43.83		1.153	1.276	1.470	1.650	1.818	2.281	23.911	0.063
423.88	86.50	78.18	67.77	60.34	54.76	43.59		1.156	1.279	1.476	1.657	1.826	2.294	24.097	0.064
424.09	86.37	78.06	67.52	60.22	54.55	43.40		1.158	1.281	1.481	1.661	1.833	2.304	24.238	0.064
424.29	86.18	77.80	67.22	59.99	54.32	43.21		1.160	1.285	1.488	1.667	1.841	2.314	24.411	0.065
424.5	85.85	77.55	66.82	59.76	54.00	42.98		1.165	1.289	1.496	1.673	1.852	2.327	24.628	0.065
424.7	85.79	77.43	66.69	59.58	53.89	42.79		1.166	1.292	1.500	1.678	1.856	2.337	24.748	0.065
424.91	85.76	77.31	66.50	59.39	53.75	42.67		1.166	1.293	1.504	1.684	1.861	2.344	24.858	0.066
425.11	85.68	77.24	66.33	59.30	53.64	42.52		1.167	1.295	1.508	1.686	1.864	2.352	24.955	0.066
425.31	85.60	77.15	66.13	59.11	53.49	42.47		1.168	1.296	1.512	1.692	1.870	2.355	25.052	0.066
425.52	85.39	76.92	65.82	58.87	53.24	42.22		1.171	1.300	1.519	1.699	1.878	2.368	25.249	0.067
425.72	85.17	76.71	65.61	58.69	53.03	42.05		1.174	1.304	1.524	1.704	1.886	2.378	25.401	0.067
425.93	85.12	76.66	65.42	58.58	52.89	41.96		1.175	1.304	1.529	1.707	1.891	2.383	25.491	0.067
426.13	84.85	76.37	65.13	58.31	52.64	41.73		1.179	1.309	1.535	1.715	1.900	2.397	25.694	0.068
426.34	84.68	76.19	64.95	58.08	52.41	41.53		1.181	1.312	1.540	1.722	1.908	2.408	25.861	0.068
426.54	84.58	76.11	64.78	57.92	52.25	41.39		1.182	1.314	1.544	1.726	1.914	2.416	25.979	0.069
426.75	84.46	75.99	64.60	57.79	52.10	41.29		1.184	1.316	1.548	1.730	1.919	2.422	26.083	0.069
426.95	84.43	75.91	64.50	57.72	52.05	41.27		1.184	1.317	1.550	1.732	1.921	2.423	26.121	0.069
427.16	84.31	75.77	64.24	57.58	51.92	41.12		1.186	1.320	1.557	1.737	1.926	2.432	26.249	0.069
427.36	84.16	75.59	63.98	57.38	51.77	40.90		1.188	1.323	1.563	1.743	1.932	2.445	26.409	0.070
427.56	84.09	75.52	63.83	57.26	51.63	40.77		1.189	1.324	1.567	1.746	1.937	2.453	26.511	0.070
427.77	84.04	75.48	63.71	57.13	51.51	40.63		1.190	1.325	1.570	1.750	1.941	2.461	26.612	0.070

427.97	83.99	75.39	63.55	57.03	51.40	40.53		1.191	1.327	1.574	1.754	1.945	2.467	26.699	0.071
428.18	83.84	75.19	63.32	56.88	51.22	40.38		1.193	1.330	1.579	1.758	1.953	2.476	26.840	0.071
428.38	83.79	75.12	63.25	56.80	51.17	40.29		1.193	1.331	1.581	1.761	1.954	2.482	26.899	0.071
428.59	83.76	75.04	63.11	56.69	51.04	40.18		1.194	1.333	1.584	1.764	1.959	2.489	26.992	0.071
428.79	83.74	74.97	63.04	56.59	50.97	40.09		1.194	1.334	1.586	1.767	1.962	2.494	27.060	0.072
428.99	83.68	74.90	62.90	56.51	50.88	40.00		1.195	1.335	1.590	1.770	1.965	2.500	27.136	0.072
429.2	83.55	74.81	62.73	56.40	50.73	39.90		1.197	1.337	1.594	1.773	1.971	2.506	27.237	0.072
429.4	83.43	74.67	62.55	56.23	50.57	39.76		1.199	1.339	1.599	1.778	1.977	2.515	27.363	0.072
429.61	83.36	74.61	62.41	56.15	50.48	39.65		1.200	1.340	1.602	1.781	1.981	2.522	27.450	0.073
429.81	83.29	74.54	62.32	56.03	50.37	39.59		1.201	1.341	1.605	1.785	1.985	2.526	27.521	0.073
430.02	83.20	74.43	62.14	55.88	50.23	39.48		1.202	1.343	1.609	1.790	1.991	2.533	27.632	0.073
430.22	83.12	74.32	62.06	55.79	50.13	39.39		1.203	1.345	1.611	1.793	1.995	2.539	27.708	0.073
430.43	83.03	74.23	61.95	55.71	50.04	39.30		1.204	1.347	1.614	1.795	1.998	2.545	27.785	0.073
430.63	82.98	74.15	61.84	55.62	49.96	39.23		1.205	1.349	1.617	1.798	2.002	2.549	27.854	0.074
430.83	82.91	74.09	61.73	55.55	49.88	39.16		1.206	1.350	1.620	1.800	2.005	2.554	27.917	0.074
431.04	82.86	74.02	61.62	55.47	49.80	39.07		1.207	1.351	1.623	1.803	2.008	2.560	27.989	0.074
431.24	82.80	73.94	61.52	55.41	49.72	38.96		1.208	1.353	1.626	1.805	2.011	2.567	28.067	0.074
431.45	82.80	73.89	61.48	55.36	49.67	38.92		1.208	1.353	1.627	1.806	2.013	2.569	28.100	0.074
431.65	82.77	73.82	61.39	55.30	49.58	38.87		1.208	1.355	1.629	1.808	2.017	2.572	28.157	0.074
431.85	82.73	73.75	61.28	55.22	49.50	38.80		1.209	1.356	1.632	1.811	2.020	2.577	28.226	0.075
432.06	82.66	73.69	61.18	55.15	49.41	38.73		1.210	1.357	1.634	1.813	2.024	2.582	28.288	0.075
432.26	82.63	73.64	61.11	55.08	49.34	38.67		1.210	1.358	1.637	1.816	2.027	2.586	28.348	0.075
432.47	82.63	73.61	61.06	55.02	49.28	38.62		1.210	1.358	1.638	1.818	2.029	2.589	28.391	0.075
432.67	82.58	73.54	60.95	54.95	49.20	38.57		1.211	1.360	1.641	1.820	2.033	2.593	28.450	0.075
432.88	82.57	73.53	60.89	54.91	49.16	38.54		1.211	1.360	1.642	1.821	2.034	2.595	28.481	0.075
433.08	82.53	73.49	60.80	54.86	49.09	38.50		1.212	1.361	1.645	1.823	2.037	2.598	28.526	0.075
433.28	82.53	73.48	60.75	54.83	49.05	38.46		1.212	1.361	1.646	1.824	2.039	2.600	28.556	0.075
433.49	82.49	73.41	60.66	54.77	49.00	38.41		1.212	1.362	1.648	1.826	2.041	2.604	28.606	0.076
433.69	82.47	73.37	60.60	54.74	48.94	38.37		1.212	1.363	1.650	1.827	2.043	2.606	28.644	0.076
433.9	82.49	73.35	60.57	54.70	48.89	38.35		1.212	1.363	1.651	1.828	2.045	2.608	28.671	0.076
434.1	82.46	73.29	60.48	54.67	48.86	38.29		1.213	1.364	1.654	1.829	2.047	2.611	28.713	0.076
434.3	82.43	73.25	60.41	54.65	48.83	38.27		1.213	1.365	1.655	1.830	2.048	2.613	28.741	0.076
434.51	82.37	73.17	60.31	54.58	48.74	38.20		1.214	1.367	1.658	1.832	2.052	2.618	28.807	0.076
434.71	82.38	73.15	60.25	54.56	48.73	38.17		1.214	1.367	1.660	1.833	2.052	2.620	28.830	0.076
434.92	82.35	73.12	60.21	54.54	48.69	38.13		1.214	1.368	1.661	1.834	2.054	2.623	28.861	0.076
435.12	82.35	73.08	60.16	54.49	48.65	38.10		1.214	1.368	1.662	1.835	2.056	2.625	28.893	0.076
435.32	82.32	73.05	60.11	54.45	48.60	38.06		1.215	1.369	1.664	1.837	2.058	2.627	28.929	0.076
435.53	82.28	73.02	60.05	54.40	48.55	38.04		1.215	1.369	1.665	1.838	2.060	2.629	28.964	0.077
435.73	82.21	72.97	59.96	54.34	48.49	37.99		1.216	1.370	1.668	1.840	2.062	2.632	29.013	0.077
435.94	82.18	72.95	59.90	54.30	48.45	37.96		1.217	1.371	1.669	1.842	2.064	2.634	29.046	0.077
436.14	82.16	72.92	59.86	54.26	48.42	37.94		1.217	1.371	1.671	1.843	2.065	2.636	29.073	0.077
436.34	82.15	72.87	59.80	54.23	48.39	37.91		1.217	1.372	1.672	1.844	2.066	2.638	29.100	0.077
436.55	82.13	72.84	59.76	54.21	48.36	37.88		1.218	1.373	1.673	1.845	2.068	2.640	29.126	0.077
436.75	82.08	72.78	59.70	54.15	48.32	37.85		1.218	1.374	1.675	1.847	2.070	2.642	29.164	0.077
436.96	82.07	72.76	59.67	54.13	48.29	37.82		1.218	1.374	1.676	1.848	2.071	2.644	29.188	0.077
437.16	82.03	72.72	59.60	54.08	48.24	37.79		1.219	1.375	1.678	1.849	2.073	2.646	29.225	0.077
437.36	81.99	72.67	59.54	54.04	48.21	37.77		1.220	1.376	1.680	1.851	2.074	2.648	29.257	0.077
437.57	81.93	72.61	59.46	53.99	48.16	37.73		1.221	1.377	1.682	1.852	2.076	2.650	29.298	0.077
437.77	81.91	72.58	59.42	53.96	48.13	37.72		1.221	1.378	1.683	1.853	2.078	2.651	29.320	0.078
437.98	81.90	72.56	59.37	53.95	48.11	37.70		1.221	1.378	1.684	1.854	2.079	2.652	29.339	0.078
438.18	81.86	72.51	59.32	53.92	48.08	37.67		1.222	1.379	1.686	1.854	2.080	2.655	29.368	0.078
438.38	81.84	72.50	59.28	53.89	48.03	37.65		1.222	1.379	1.687	1.856	2.082	2.656	29.396	0.078
438.59	81.82	72.47	59.24	53.85	48.00	37.62		1.222	1.380	1.688	1.857	2.083	2.658	29.425	0.078
438.79	81.79	72.45	59.20	53.83	47.99	37.60		1.223	1.380	1.689	1.858	2.084	2.660	29.443	0.078
438.99	81.74	72.41	59.14	53.77	47.94	37.58		1.223	1.381	1.691	1.860	2.086	2.661	29.478	0.078
439.2	81.73	72.36	59.09	53.74	47.92	37.55		1.224	1.382	1.692	1.861	2.087	2.663	29.505	0.078
439.4	81.71	72.34	59.05	53.71	47.88	37.53		1.224	1.382	1.694	1.862	2.089	2.664	29.530	0.078
439.61	81.69	72.32	58.99	53.68	47.85	37.51		1.224	1.383	1.695	1.863	2.090	2.666	29.556	0.078
439.81	81.67	72.28	58.94	53.64	47.82	37.49		1.225	1.384	1.697	1.864	2.091	2.668	29.584	0.078
440.01	81.66	72.25	58.91	53.62	47.80	37.46		1.225	1.384	1.698	1.865	2.092	2.669	29.604	0.078
440.22	81.63	72.21	58.87	53.60	47.77	37.45		1.225	1.385	1.699	1.866	2.093	2.670	29.626	0.078
440.42	81.60	72.17	58.81	53.56	47.74	37.43		1.226	1.386	1.700	1.867	2.095	2.672	29.651	0.078
440.62	81.56	72.13	58.76	53.53	47.71	37.41		1.226	1.386	1.702	1.868	2.096	2.673	29.679	0.078
440.83	81.54	72.10	58.71	53.50	47.68	37.40		1.226	1.387	1.703	1.869	2.097	2.674	29.702	0.079
441.03	81.54	72.08	58.67	53.48	47.66	37.38		1.226	1.387	1.704	1.870	2.098	2.675	29.720	0.079
441.24	81.51	72.05	58.62	53.44	47.62	37.36		1.227	1.388	1.706	1.871	2.100	2.676	29.747	0.079
441.44	81.48	72.02	58.57	53.41	47.60	37.34		1.227	1.388	1.707	1.872	2.101	2.678	29.769	0.079
441.64	81.45	71.99	58.53	53.39	47.57	37.33		1.228	1.389	1.709	1.873	2.102	2.679	29.791	0.079
441.85	81.45	71.96	58.50	53.38	47.55	37.31		1.228	1.390	1.709	1.873	2.103	2.680	29.808	0.079
442.05	81.42	71.94	58.46	53.35	47.53	37.29		1.228	1.390	1.711	1.874	2.104	2.681	29.830	0.079

442.25	81.38	71.90	58.40	53.31	47.49	37.27		1.229	1.391	1.712	1.876	2.106	2.683	29.861	0.079
442.46	81.37	71.88	58.35	53.29	47.47	37.25		1.229	1.391	1.714	1.877	2.107	2.684	29.881	0.079
442.66	81.36	71.85	58.31	53.27	47.46	37.24		1.229	1.392	1.715	1.877	2.107	2.685	29.896	0.079
442.86	81.35	71.83	58.27	53.26	47.44	37.23		1.229	1.392	1.716	1.878	2.108	2.686	29.911	0.079
443.07	81.35	71.81	58.23	53.24	47.42	37.23		1.229	1.393	1.717	1.878	2.109	2.686	29.925	0.079
443.27	81.35	71.80	58.19	53.23	47.40	37.22		1.229	1.393	1.718	1.879	2.110	2.687	29.938	0.079
443.48	81.34	71.79	58.16	53.21	47.39	37.22		1.229	1.393	1.719	1.879	2.110	2.687	29.948	0.079
443.68	81.32	71.76	58.12	53.20	47.37	37.21		1.230	1.394	1.721	1.880	2.111	2.688	29.964	0.079
443.88	81.31	71.73	58.08	53.18	47.35	37.20		1.230	1.394	1.722	1.880	2.112	2.688	29.980	0.079
444.09	81.31	71.73	58.06	53.17	47.34	37.19		1.230	1.394	1.722	1.881	2.112	2.689	29.987	0.079
444.29	81.30	71.72	58.03	53.16	47.33	37.19		1.230	1.394	1.723	1.881	2.113	2.689	29.997	0.079
444.49	81.31	71.71	58.00	53.15	47.31	37.18		1.230	1.395	1.724	1.882	2.114	2.690	30.010	0.079
444.7	81.29	71.70	57.97	53.14	47.29	37.17		1.230	1.395	1.725	1.882	2.114	2.690	30.020	0.079
444.9	81.29	71.70	57.95	53.14	47.29	37.17		1.230	1.395	1.726	1.882	2.115	2.690	30.025	0.079
445.1	81.29	71.70	57.93	53.13	47.28	37.17		1.230	1.395	1.726	1.882	2.115	2.690	30.030	0.079
445.31	81.29	71.70	57.91	53.14	47.29	37.17		1.230	1.395	1.727	1.882	2.115	2.690	30.029	0.079
445.51	81.30	71.71	57.90	53.15	47.30	37.18		1.230	1.394	1.727	1.881	2.114	2.690	30.022	0.079
445.71	81.31	71.72	57.90	53.17	47.30	37.19		1.230	1.394	1.727	1.881	2.114	2.689	30.016	0.079
445.92	81.32	71.73	57.89	53.17	47.31	37.19		1.230	1.394	1.727	1.881	2.114	2.689	30.015	0.079
446.12	81.34	71.75	57.90	53.19	47.32	37.21		1.229	1.394	1.727	1.880	2.113	2.688	29.999	0.079
446.32	81.36	71.77	57.90	53.21	47.34	37.23		1.229	1.393	1.727	1.879	2.112	2.686	29.982	0.079
446.53	81.39	71.80	57.92	53.24	47.37	37.25		1.229	1.393	1.726	1.878	2.111	2.685	29.962	0.079
446.73	81.40	71.81	57.93	53.26	47.38	37.27		1.228	1.393	1.726	1.878	2.110	2.683	29.947	0.079
446.93	81.42	71.83	57.95	53.28	47.40	37.29		1.228	1.392	1.726	1.877	2.110	2.682	29.929	0.079
447.14	81.43	71.84	57.97	53.30	47.42	37.31		1.228	1.392	1.725	1.876	2.109	2.680	29.912	0.079
447.34	81.46	71.88	58.00	53.34	47.45	37.34		1.228	1.391	1.724	1.875	2.107	2.678	29.883	0.079
447.54	81.50	71.92	58.05	53.39	47.50	37.38		1.227	1.390	1.723	1.873	2.105	2.675	29.845	0.079
447.75	81.53	71.96	58.08	53.43	47.54	37.42		1.227	1.390	1.722	1.872	2.104	2.673	29.810	0.079
447.95	81.56	72.00	58.12	53.48	47.58	37.46		1.226	1.389	1.721	1.870	2.102	2.670	29.773	0.079
448.15	81.60	72.06	58.17	53.54	47.65	37.51		1.226	1.388	1.719	1.868	2.099	2.666	29.725	0.079
448.36	81.63	72.10	58.21	53.59	47.70	37.56		1.225	1.387	1.718	1.866	2.097	2.662	29.682	0.078
448.56	81.66	72.15	58.26	53.64	47.75	37.61		1.225	1.386	1.716	1.864	2.094	2.659	29.638	0.078
448.76	81.71	72.21	58.33	53.73	47.82	37.68		1.224	1.385	1.714	1.861	2.091	2.654	29.575	0.078
448.97	81.77	72.29	58.41	53.81	47.90	37.74		1.223	1.383	1.712	1.858	2.088	2.650	29.512	0.078
449.17	81.83	72.36	58.49	53.89	47.97	37.81		1.222	1.382	1.710	1.856	2.085	2.645	29.447	0.078
449.37	81.89	72.44	58.58	53.98	48.06	37.89		1.221	1.380	1.707	1.853	2.081	2.639	29.374	0.078
449.58	81.94	72.52	58.66	54.07	48.14	37.97		1.220	1.379	1.705	1.849	2.077	2.634	29.302	0.077
449.78	82.00	72.59	58.76	54.16	48.24	38.05		1.219	1.378	1.702	1.846	2.073	2.628	29.229	0.077
449.98	82.07	72.68	58.86	54.26	48.34	38.14		1.218	1.376	1.699	1.843	2.069	2.622	29.145	0.077
450.19	82.15	72.79	58.97	54.37	48.45	38.24		1.217	1.374	1.696	1.839	2.064	2.615	29.054	0.077
450.39	82.21	72.88	59.08	54.48	48.55	38.33		1.216	1.372	1.693	1.836	2.060	2.609	28.970	0.077
450.59	82.29	72.98	59.19	54.59	48.66	38.43		1.215	1.370	1.689	1.832	2.055	2.602	28.877	0.076
450.79	82.37	73.08	59.32	54.71	48.78	38.54		1.214	1.368	1.686	1.828	2.050	2.595	28.780	0.076
451	82.46	73.20	59.46	54.85	48.92	38.66		1.213	1.366	1.682	1.823	2.044	2.587	28.667	0.076
451.2	82.55	73.33	59.61	54.99	49.06	38.79		1.211	1.364	1.678	1.819	2.039	2.578	28.553	0.075
451.4	82.65	73.46	59.75	55.13	49.20	38.91		1.210	1.361	1.674	1.814	2.033	2.570	28.440	0.075
451.61	82.76	73.60	59.91	55.28	49.35	39.05		1.208	1.359	1.669	1.809	2.026	2.561	28.317	0.075
451.81	82.88	73.75	60.08	55.45	49.51	39.19		1.207	1.356	1.664	1.804	2.020	2.552	28.186	0.075
452.01	83.00	73.91	60.26	55.62	49.68	39.34		1.205	1.353	1.660	1.798	2.013	2.542	28.048	0.074
452.22	83.11	74.06	60.44	55.78	49.83	39.48		1.203	1.350	1.655	1.793	2.007	2.533	27.920	0.074
452.42	83.26	74.23	60.64	55.97	50.01	39.64		1.201	1.347	1.649	1.787	1.999	2.523	27.772	0.073
452.62	83.48	74.48	60.90	56.22	50.25	39.85		1.198	1.343	1.642	1.779	1.990	2.510	27.579	0.073
452.83	83.71	74.74	61.18	56.47	50.49	40.06		1.195	1.338	1.635	1.771	1.980	2.496	27.379	0.072
453.03	83.91	74.98	61.43	56.71	50.72	40.26		1.192	1.334	1.628	1.763	1.971	2.484	27.193	0.072
453.23	84.15	75.25	61.72	56.97	50.98	40.49		1.188	1.329	1.620	1.755	1.962	2.470	26.989	0.071
453.43	84.45	75.57	62.05	57.28	51.27	40.74		1.184	1.323	1.612	1.746	1.950	2.455	26.750	0.071
453.64	84.69	75.84	62.34	57.55	51.54	40.97		1.181	1.319	1.604	1.738	1.940	2.441	26.543	0.070
453.84	85.03	76.20	62.71	57.89	51.86	41.25		1.176	1.312	1.595	1.727	1.928	2.424	26.283	0.069
454.04	85.27	76.47	63.01	58.17	52.12	41.49		1.173	1.308	1.587	1.719	1.919	2.410	26.071	0.069
454.25	85.58	76.81	63.36	58.50	52.43	41.76		1.169	1.302	1.578	1.709	1.907	2.395	25.827	0.068
454.45	85.86	77.12	63.70	58.80	52.73	42.02		1.165	1.297	1.570	1.701	1.897	2.380	25.596	0.068
454.65	86.14	77.43	64.04	59.12	53.02	42.28		1.161	1.292	1.562	1.692	1.886	2.365	25.363	0.067
454.85	86.42	77.74	64.38	59.43	53.33	42.54		1.157	1.286	1.553	1.683	1.875	2.351	25.131	0.066
455.06	86.67	78.04	64.71	59.72	53.61	42.79		1.154	1.281	1.545	1.674	1.865	2.337	24.912	0.066
455.26	86.89	78.30	65.00	59.99	53.88	43.02		1.151	1.277	1.538	1.667	1.856	2.324	24.712	0.065
455.46	87.18	78.63	65.36	60.32	54.19	43.30		1.147	1.272	1.530	1.658	1.845	2.309	24.471	0.065
455.67	87.42	78.92	65.68	60.61	54.48	43.56		1.144	1.267	1.522	1.650	1.836	2.296	24.255	0.064
455.87	87.62	79.18	65.98	60.87	54.74	43.79		1.141	1.263	1.516	1.643	1.827	2.284	24.059	0.064
456.07	87.85	79.44	66.30	61.16	55.02	44.04		1.138	1.259	1.508	1.635	1.818	2.271	23.853	0.063
456.27	88.03	79.67	66.58	61.40	55.27	44.26		1.136	1.255	1.502	1.629	1.809	2.259	23.669	0.063

456.48	88.20	79.88	66.86	61.65	55.52	44.49		1.134	1.252	1.496	1.622	1.801	2.248	23.487	0.062
456.68	88.29	80.03	67.07	61.84	55.71	44.67		1.133	1.250	1.491	1.617	1.795	2.239	23.348	0.062
456.88	88.28	80.09	67.20	61.96	55.85	44.80		1.133	1.249	1.488	1.614	1.791	2.232	23.259	0.061
457.09	88.25	80.12	67.33	62.06	55.97	44.91		1.133	1.248	1.485	1.611	1.787	2.226	23.179	0.061
457.29	88.23	80.15	67.45	62.16	56.09	45.04		1.133	1.248	1.482	1.609	1.783	2.220	23.098	0.061
457.49	88.19	80.18	67.57	62.26	56.21	45.15		1.134	1.247	1.480	1.606	1.779	2.215	23.021	0.061
457.69	88.08	80.13	67.64	62.31	56.28	45.23		1.135	1.248	1.479	1.605	1.777	2.211	22.980	0.061
457.9	88.00	80.12	67.73	62.37	56.36	45.33		1.136	1.248	1.477	1.603	1.774	2.206	22.926	0.061
458.1	87.82	80.03	67.74	62.37	56.39	45.37		1.139	1.250	1.476	1.603	1.773	2.204	22.915	0.061
458.3	87.73	80.01	67.82	62.42	56.47	45.46		1.140	1.250	1.475	1.602	1.771	2.200	22.865	0.060
458.5	87.58	79.92	67.85	62.43	56.51	45.52		1.142	1.251	1.474	1.602	1.770	2.197	22.849	0.060
458.71	87.44	79.86	67.88	62.45	56.55	45.58		1.144	1.252	1.473	1.601	1.768	2.194	22.824	0.060
458.91	87.31	79.80	67.92	62.47	56.60	45.65		1.145	1.253	1.472	1.601	1.767	2.191	22.798	0.060
459.11	87.17	79.72	67.95	62.49	56.64	45.70		1.147	1.254	1.472	1.600	1.765	2.188	22.778	0.060
459.31	87.04	79.66	67.99	62.51	56.69	45.77		1.149	1.255	1.471	1.600	1.764	2.185	22.750	0.060
459.52	86.94	79.62	68.06	62.55	56.76	45.86		1.150	1.256	1.469	1.599	1.762	2.181	22.709	0.060
459.72	86.76	79.51	68.06	62.54	56.77	45.89		1.153	1.258	1.469	1.599	1.761	2.179	22.710	0.060
459.92	86.64	79.45	68.10	62.56	56.83	45.95		1.154	1.259	1.468	1.598	1.760	2.176	22.682	0.060
460.13	86.53	79.39	68.16	62.60	56.89	46.03		1.156	1.260	1.467	1.597	1.758	2.173	22.647	0.060
460.33	86.38	79.31	68.18	62.61	56.92	46.08		1.158	1.261	1.467	1.597	1.757	2.170	22.633	0.060
460.53	86.28	79.27	68.24	62.64	56.98	46.15		1.159	1.262	1.466	1.596	1.755	2.167	22.598	0.060
460.73	86.19	79.24	68.30	62.69	57.05	46.23		1.160	1.262	1.464	1.595	1.753	2.163	22.556	0.060
460.94	86.17	79.27	68.42	62.78	57.16	46.34		1.160	1.261	1.462	1.593	1.750	2.158	22.484	0.059
461.14	86.16	79.32	68.56	62.88	57.28	46.47		1.161	1.261	1.459	1.590	1.746	2.152	22.401	0.059
461.34	86.17	79.38	68.70	63.00	57.40	46.60		1.160	1.260	1.456	1.587	1.742	2.146	22.313	0.059
461.54	86.19	79.45	68.85	63.12	57.54	46.74		1.160	1.259	1.452	1.584	1.738	2.140	22.220	0.059
461.75	86.19	79.50	68.99	63.23	57.66	46.86		1.160	1.258	1.450	1.582	1.734	2.134	22.138	0.059
461.95	86.20	79.55	69.12	63.33	57.78	46.98		1.160	1.257	1.447	1.579	1.731	2.128	22.058	0.058
462.15	86.22	79.62	69.27	63.45	57.92	47.12		1.160	1.256	1.444	1.576	1.726	2.122	21.964	0.058
462.35	86.25	79.68	69.41	63.57	58.06	47.25		1.159	1.255	1.441	1.573	1.722	2.116	21.875	0.058
462.56	86.28	79.76	69.56	63.69	58.19	47.38		1.159	1.254	1.438	1.570	1.718	2.111	21.783	0.058
462.76	86.31	79.83	69.70	63.80	58.32	47.51		1.159	1.253	1.435	1.567	1.715	2.105	21.698	0.057
462.96	86.33	79.91	69.85	63.91	58.45	47.64		1.158	1.251	1.432	1.565	1.711	2.099	21.608	0.057
463.16	86.36	79.97	69.98	64.03	58.58	47.77		1.158	1.250	1.429	1.562	1.707	2.094	21.524	0.057
463.36	86.38	80.03	70.12	64.13	58.70	47.89		1.158	1.250	1.426	1.559	1.704	2.088	21.444	0.057
463.57	86.41	80.10	70.25	64.24	58.82	48.01		1.157	1.248	1.423	1.557	1.700	2.083	21.361	0.056
463.77	86.45	80.18	70.39	64.36	58.95	48.13		1.157	1.247	1.421	1.554	1.696	2.078	21.276	0.056
463.97	86.47	80.25	70.52	64.46	59.07	48.25		1.156	1.246	1.418	1.551	1.693	2.073	21.197	0.056
464.17	86.50	80.31	70.64	64.57	59.19	48.37		1.156	1.245	1.416	1.549	1.690	2.067	21.119	0.056
464.38	86.53	80.38	70.78	64.67	59.30	48.48		1.156	1.244	1.413	1.546	1.686	2.063	21.041	0.056
464.58	86.56	80.44	70.90	64.77	59.41	48.59		1.155	1.243	1.410	1.544	1.683	2.058	20.969	0.055
464.78	86.58	80.49	71.00	64.86	59.52	48.70		1.155	1.242	1.408	1.542	1.680	2.053	20.901	0.055
464.98	86.60	80.54	71.11	64.95	59.62	48.80		1.155	1.242	1.406	1.540	1.677	2.049	20.833	0.055
465.19	86.61	80.59	71.21	65.03	59.72	48.90		1.155	1.241	1.404	1.538	1.675	2.045	20.770	0.055
465.39	86.64	80.64	71.31	65.12	59.82	49.00		1.154	1.240	1.402	1.536	1.672	2.041	20.706	0.055
465.59	86.65	80.68	71.39	65.18	59.90	49.09		1.154	1.239	1.401	1.534	1.670	2.037	20.653	0.055
465.79	86.66	80.71	71.47	65.25	59.97	49.17		1.154	1.239	1.399	1.533	1.667	2.034	20.603	0.054
465.99	86.67	80.74	71.55	65.31	60.06	49.25		1.154	1.239	1.398	1.531	1.665	2.030	20.552	0.054
466.2	86.68	80.77	71.62	65.38	60.13	49.33		1.154	1.238	1.396	1.530	1.663	2.027	20.504	0.054
466.4	86.70	80.82	71.70	65.45	60.20	49.41		1.153	1.237	1.395	1.528	1.661	2.024	20.456	0.054
466.6	86.71	80.85	71.76	65.50	60.26	49.48		1.153	1.237	1.393	1.527	1.659	2.021	20.413	0.054
466.8	86.70	80.86	71.81	65.54	60.31	49.54		1.153	1.237	1.393	1.526	1.658	2.019	20.380	0.054
467.01	86.71	80.88	71.87	65.60	60.38	49.61		1.153	1.236	1.391	1.524	1.656	2.016	20.338	0.054
467.21	86.72	80.91	71.92	65.65	60.44	49.66		1.153	1.236	1.390	1.523	1.655	2.014	20.302	0.054
467.41	86.73	80.95	71.98	65.70	60.49	49.72		1.153	1.235	1.389	1.522	1.653	2.011	20.267	0.054
467.61	86.74	80.97	72.02	65.74	60.54	49.77		1.153	1.235	1.389	1.521	1.652	2.009	20.235	0.053
467.81	86.75	80.98	72.06	65.78	60.58	49.82		1.153	1.235	1.388	1.520	1.651	2.007	20.206	0.053
468.02	86.74	80.98	72.08	65.80	60.61	49.86		1.153	1.235	1.387	1.520	1.650	2.005	20.185	0.053
468.22	86.75	80.99	72.11	65.82	60.64	49.90		1.153	1.235	1.387	1.519	1.649	2.004	20.166	0.053
468.42	86.75	81.00	72.13	65.85	60.67	49.94		1.153	1.235	1.386	1.519	1.648	2.002	20.146	0.053
468.62	86.75	81.00	72.14	65.86	60.70	49.97		1.153	1.235	1.386	1.518	1.647	2.001	20.131	0.053
468.82	86.76	81.01	72.16	65.89	60.74	50.01		1.153	1.234	1.386	1.518	1.646	2.000	20.112	0.053
469.03	86.77	81.02	72.19	65.92	60.76	50.04		1.152	1.234	1.385	1.517	1.646	1.998	20.091	0.053
469.23	86.78	81.04	72.21	65.95	60.79	50.07		1.152	1.234	1.385	1.516	1.645	1.997	20.072	0.053
469.43	86.78	81.04	72.21	65.97	60.81	50.10		1.152	1.234	1.385	1.516	1.644	1.996	20.061	0.053
469.63	86.78	81.05	72.21	65.98	60.83	50.12		1.152	1.234	1.385	1.516	1.644	1.995	20.050	0.053
469.83	86.77	81.05	72.22	66.00	60.84	50.15		1.152	1.234	1.385	1.515	1.644	1.994	20.038	0.053
470.04	86.77	81.05	72.23	66.02	60.85	50.17		1.153	1.234	1.384	1.515	1.643	1.993	20.027	0.053
470.24	86.76	81.06	72.23	66.03	60.86	50.20		1.153	1.234	1.384	1.515	1.643	1.992	20.018	0.053
470.44	86.78	81.07	72.26	66.05	60.90	50.22		1.152	1.233	1.384	1.514	1.642	1.991	20.000	0.053

470.64	86.79	81.08	72.26	66.06	60.92	50.25		1.152	1.233	1.384	1.514	1.641	1.990	19.988	0.053
470.84	86.79	81.08	72.26	66.08	60.94	50.27		1.152	1.233	1.384	1.513	1.641	1.989	19.975	0.053
471.05	86.81	81.10	72.29	66.11	60.97	50.30		1.152	1.233	1.383	1.513	1.640	1.988	19.955	0.053
471.25	86.82	81.11	72.30	66.13	60.99	50.34		1.152	1.233	1.383	1.512	1.639	1.987	19.940	0.053
471.45	86.81	81.10	72.31	66.13	61.00	50.36		1.152	1.233	1.383	1.512	1.639	1.986	19.933	0.053
471.65	86.80	81.08	72.29	66.14	61.02	50.38		1.152	1.233	1.383	1.512	1.639	1.985	19.928	0.053
471.85	86.80	81.10	72.32	66.17	61.05	50.41		1.152	1.233	1.383	1.511	1.638	1.984	19.907	0.053
472.06	86.81	81.12	72.34	66.20	61.08	50.45		1.152	1.233	1.382	1.511	1.637	1.982	19.887	0.053
472.26	86.83	81.15	72.36	66.23	61.11	50.49		1.152	1.232	1.382	1.510	1.636	1.981	19.864	0.053
472.46	86.85	81.16	72.40	66.27	61.15	50.53		1.151	1.232	1.381	1.509	1.635	1.979	19.837	0.052
472.66	86.86	81.19	72.42	66.30	61.18	50.57		1.151	1.232	1.381	1.508	1.634	1.977	19.815	0.052
472.86	86.87	81.21	72.47	66.34	61.22	50.62		1.151	1.231	1.380	1.507	1.633	1.976	19.788	0.052
473.06	86.88	81.24	72.50	66.37	61.26	50.67		1.151	1.231	1.379	1.507	1.632	1.974	19.760	0.052
473.27	86.89	81.26	72.52	66.41	61.30	50.72		1.151	1.231	1.379	1.506	1.631	1.972	19.734	0.052
473.47	86.90	81.29	72.57	66.45	61.34	50.77		1.151	1.230	1.378	1.505	1.630	1.970	19.706	0.052
473.67	86.92	81.32	72.61	66.48	61.39	50.82		1.151	1.230	1.377	1.504	1.629	1.968	19.674	0.052
473.87	86.94	81.35	72.67	66.53	61.44	50.88		1.150	1.229	1.376	1.503	1.628	1.965	19.640	0.052
474.07	86.98	81.40	72.73	66.60	61.51	50.96		1.150	1.228	1.375	1.502	1.626	1.963	19.592	0.052
474.28	87.01	81.45	72.78	66.66	61.58	51.02		1.149	1.228	1.374	1.500	1.624	1.960	19.548	0.052
474.48	87.04	81.49	72.85	66.73	61.65	51.09		1.149	1.227	1.373	1.499	1.622	1.957	19.505	0.052
474.68	87.05	81.53	72.90	66.79	61.71	51.15		1.149	1.227	1.372	1.497	1.621	1.955	19.467	0.051
474.88	87.07	81.57	72.96	66.85	61.76	51.23		1.148	1.226	1.371	1.496	1.619	1.952	19.425	0.051
475.08	87.10	81.63	73.03	66.91	61.83	51.31		1.148	1.225	1.369	1.495	1.617	1.949	19.378	0.051
475.28	87.13	81.68	73.10	66.98	61.91	51.39		1.148	1.224	1.368	1.493	1.615	1.946	19.329	0.051
475.49	87.15	81.72	73.17	67.05	61.98	51.46		1.147	1.224	1.367	1.491	1.613	1.943	19.283	0.051
475.69	87.21	81.80	73.27	67.14	62.07	51.54		1.147	1.222	1.365	1.489	1.611	1.940	19.222	0.051
475.89	87.25	81.87	73.36	67.23	62.16	51.64		1.146	1.221	1.363	1.487	1.609	1.937	19.164	0.051
476.09	87.29	81.93	73.45	67.32	62.25	51.73		1.146	1.221	1.361	1.485	1.606	1.933	19.103	0.051
476.29	87.34	81.99	73.54	67.41	62.36	51.83		1.145	1.220	1.360	1.483	1.604	1.929	19.039	0.050
476.49	87.35	82.04	73.61	67.48	62.43	51.91		1.145	1.219	1.358	1.482	1.602	1.926	18.992	0.050
476.69	87.38	82.10	73.71	67.56	62.53	52.00		1.144	1.218	1.357	1.480	1.599	1.923	18.935	0.050
476.9	87.42	82.16	73.80	67.64	62.62	52.09		1.144	1.217	1.355	1.478	1.597	1.920	18.876	0.050
477.1	87.45	82.22	73.88	67.73	62.71	52.19		1.144	1.216	1.354	1.476	1.595	1.916	18.817	0.050
477.3	87.50	82.30	73.99	67.82	62.81	52.29		1.143	1.215	1.352	1.474	1.592	1.912	18.752	0.050
477.5	87.52	82.36	74.09	67.89	62.90	52.38		1.143	1.214	1.350	1.473	1.590	1.909	18.695	0.049
477.7	87.56	82.43	74.18	68.00	63.01	52.49		1.142	1.213	1.348	1.471	1.587	1.905	18.628	0.049
477.9	87.59	82.49	74.28	68.10	63.11	52.58		1.142	1.212	1.346	1.468	1.585	1.902	18.566	0.049
478.11	87.62	82.54	74.38	68.19	63.20	52.68		1.141	1.212	1.345	1.467	1.582	1.898	18.508	0.049
478.31	87.65	82.60	74.47	68.27	63.29	52.77		1.141	1.211	1.343	1.465	1.580	1.895	18.450	0.049
478.51	87.68	82.66	74.59	68.37	63.40	52.88		1.140	1.210	1.341	1.463	1.577	1.891	18.382	0.049
478.71	87.71	82.73	74.68	68.44	63.49	52.98		1.140	1.209	1.339	1.461	1.575	1.888	18.324	0.048
478.91	87.75	82.79	74.77	68.53	63.59	53.08		1.140	1.208	1.337	1.459	1.573	1.884	18.263	0.048
479.11	87.79	82.84	74.87	68.62	63.69	53.17		1.139	1.207	1.336	1.457	1.570	1.881	18.204	0.048
479.31	87.82	82.89	74.97	68.72	63.78	53.27		1.139	1.206	1.334	1.455	1.568	1.877	18.144	0.048
479.52	87.86	82.96	75.07	68.82	63.88	53.36		1.138	1.205	1.332	1.453	1.565	1.874	18.081	0.048
479.72	87.89	83.03	75.17	68.92	63.99	53.47		1.138	1.204	1.330	1.451	1.563	1.870	18.016	0.048
479.92	87.90	83.06	75.23	68.99	64.07	53.56		1.138	1.204	1.329	1.449	1.561	1.867	17.967	0.048
480.12	87.95	83.12	75.34	69.08	64.17	53.67		1.137	1.203	1.327	1.448	1.558	1.863	17.904	0.047
480.32	87.96	83.16	75.41	69.15	64.24	53.75		1.137	1.203	1.326	1.446	1.557	1.860	17.858	0.047
480.52	87.95	83.19	75.48	69.19	64.30	53.81		1.137	1.202	1.325	1.445	1.555	1.858	17.823	0.047
480.72	87.99	83.24	75.57	69.28	64.39	53.90		1.136	1.201	1.323	1.443	1.553	1.855	17.765	0.047
480.92	88.02	83.29	75.64	69.36	64.49	54.00		1.136	1.201	1.322	1.442	1.551	1.852	17.711	0.047
481.13	88.02	83.33	75.71	69.44	64.56	54.06		1.136	1.200	1.321	1.440	1.549	1.850	17.668	0.047
481.33	88.05	83.36	75.78	69.50	64.63	54.14		1.136	1.200	1.320	1.439	1.547	1.847	17.625	0.047
481.53	88.05	83.39	75.85	69.55	64.71	54.21		1.136	1.199	1.318	1.438	1.545	1.845	17.583	0.046
481.73	88.08	83.44	75.92	69.63	64.79	54.29		1.135	1.199	1.317	1.436	1.543	1.842	17.533	0.046
481.93	88.09	83.47	75.99	69.68	64.86	54.37		1.135	1.198	1.316	1.435	1.542	1.839	17.492	0.046
482.13	88.12	83.51	76.05	69.74	64.93	54.45		1.135	1.198	1.315	1.434	1.540	1.837	17.451	0.046
482.33	88.16	83.58	76.13	69.82	65.02	54.53		1.134	1.197	1.314	1.432	1.538	1.834	17.398	0.046
482.53	88.18	83.61	76.18	69.89	65.09	54.61		1.134	1.196	1.313	1.431	1.536	1.831	17.355	0.046
482.74	88.21	83.64	76.22	69.93	65.14	54.68		1.134	1.196	1.312	1.430	1.535	1.829	17.320	0.046
482.94	88.24	83.68	76.29	69.99	65.21	54.75		1.133	1.195	1.311	1.429	1.533	1.827	17.278	0.046
483.14	88.25	83.72	76.34	70.05	65.28	54.82		1.133	1.195	1.310	1.428	1.532	1.824	17.237	0.046
483.34	88.27	83.76	76.41	70.11	65.35	54.90		1.133	1.194	1.309	1.426	1.530	1.822	17.195	0.045
483.54	88.28	83.80	76.46	70.16	65.42	54.96		1.133	1.193	1.308	1.425	1.529	1.820	17.159	0.045
483.74	88.29	83.80	76.49	70.18	65.45	55.02		1.133	1.193	1.307	1.425	1.528	1.818	17.136	0.045
483.94	88.29	83.81	76.50	70.20	65.49	55.06		1.133	1.193	1.307	1.424	1.527	1.816	17.118	0.045
484.14	88.30	83.85	76.57	70.25	65.55	55.12		1.133	1.193	1.306	1.423	1.526	1.814	17.081	0.045
484.35	88.32	83.88	76.61	70.29	65.60	55.16		1.132	1.192	1.305	1.423	1.524	1.813	17.055	0.045
484.55	88.33	83.89	76.64	70.33	65.64	55.21		1.132	1.192	1.305	1.422	1.524	1.811	17.029	0.045

484.75	88.35	83.93	76.69	70.39	65.69	55.27		1.132	1.191	1.304	1.421	1.522	1.809	16.994	0.045
484.95	88.40	83.97	76.73	70.44	65.75	55.33		1.131	1.191	1.303	1.420	1.521	1.807	16.959	0.045
485.15	88.43	84.00	76.75	70.48	65.79	55.39		1.131	1.191	1.303	1.419	1.520	1.805	16.931	0.045
485.35	88.45	84.02	76.79	70.52	65.83	55.44		1.131	1.190	1.302	1.418	1.519	1.804	16.907	0.045
485.55	88.49	84.06	76.83	70.56	65.88	55.49		1.130	1.190	1.302	1.417	1.518	1.802	16.875	0.045
485.75	88.51	84.09	76.86	70.62	65.92	55.55		1.130	1.189	1.301	1.416	1.517	1.800	16.845	0.045
485.95	88.53	84.11	76.90	70.66	65.96	55.60		1.130	1.189	1.300	1.415	1.516	1.799	16.819	0.044
486.15	88.54	84.10	76.90	70.68	65.98	55.63		1.129	1.189	1.300	1.415	1.516	1.797	16.807	0.044
486.36	88.53	84.10	76.92	70.71	66.00	55.66		1.130	1.189	1.300	1.414	1.515	1.797	16.793	0.044
486.56	88.53	84.10	76.93	70.73	66.03	55.70		1.130	1.189	1.300	1.414	1.515	1.795	16.776	0.044
486.76	88.54	84.10	76.95	70.75	66.04	55.73		1.129	1.189	1.299	1.413	1.514	1.794	16.762	0.044
486.96	88.55	84.12	76.98	70.77	66.06	55.74		1.129	1.189	1.299	1.413	1.514	1.794	16.751	0.044
487.16	88.56	84.15	76.99	70.79	66.10	55.79		1.129	1.188	1.299	1.413	1.513	1.792	16.728	0.044
487.36	88.57	84.15	77.01	70.82	66.13	55.82		1.129	1.188	1.299	1.412	1.512	1.792	16.714	0.044
487.56	88.55	84.14	76.99	70.83	66.14	55.82		1.129	1.189	1.299	1.412	1.512	1.791	16.714	0.044
487.76	88.57	84.16	77.01	70.86	66.17	55.86		1.129	1.188	1.299	1.411	1.511	1.790	16.695	0.044
487.96	88.59	84.20	77.05	70.91	66.22	55.90		1.129	1.188	1.298	1.410	1.510	1.789	16.667	0.044
488.16	88.61	84.25	77.10	70.95	66.27	55.94		1.128	1.187	1.297	1.409	1.509	1.788	16.639	0.044
488.36	88.65	84.26	77.12	70.98	66.29	55.98		1.128	1.187	1.297	1.409	1.509	1.786	16.622	0.044
488.57	88.65	84.27	77.12	70.99	66.31	56.02		1.128	1.187	1.297	1.409	1.508	1.785	16.605	0.044
488.77	88.68	84.31	77.15	71.03	66.36	56.07		1.128	1.186	1.296	1.408	1.507	1.783	16.577	0.044
488.97	88.71	84.32	77.16	71.06	66.40	56.11		1.127	1.186	1.296	1.407	1.506	1.782	16.557	0.044
489.17	88.70	84.35	77.19	71.08	66.42	56.16		1.127	1.186	1.295	1.407	1.506	1.781	16.539	0.044
489.37	88.70	84.37	77.23	71.11	66.46	56.20		1.127	1.185	1.295	1.406	1.505	1.779	16.514	0.044
489.57	88.73	84.40	77.25	71.14	66.50	56.26		1.127	1.185	1.294	1.406	1.504	1.778	16.490	0.044
489.77	88.72	84.40	77.27	71.17	66.53	56.28		1.127	1.185	1.294	1.405	1.503	1.777	16.475	0.044
489.97	88.74	84.41	77.30	71.19	66.57	56.31		1.127	1.185	1.294	1.405	1.502	1.776	16.458	0.044
490.17	88.76	84.46	77.33	71.23	66.61	56.35		1.127	1.184	1.293	1.404	1.501	1.775	16.432	0.043
490.37	88.85	84.55	77.40	71.31	66.69	56.42		1.126	1.183	1.292	1.402	1.500	1.773	16.385	0.043
490.57	88.89	84.61	77.46	71.36	66.74	56.49		1.125	1.182	1.291	1.401	1.498	1.770	16.347	0.043
490.77	88.89	84.62	77.50	71.40	66.78	56.51		1.125	1.182	1.290	1.401	1.498	1.770	16.329	0.043
490.97	88.91	84.68	77.55	71.45	66.84	56.56		1.125	1.181	1.289	1.399	1.496	1.768	16.294	0.043
491.18	88.96	84.73	77.60	71.53	66.91	56.63		1.124	1.180	1.289	1.398	1.494	1.766	16.253	0.043
491.38	88.96	84.76	77.61	71.58	66.94	56.66		1.124	1.180	1.289	1.397	1.494	1.765	16.235	0.043
491.58	88.97	84.79	77.65	71.62	67.00	56.72		1.124	1.179	1.288	1.396	1.493	1.763	16.202	0.043
491.78	89.02	84.84	77.71	71.67	67.07	56.80		1.123	1.179	1.287	1.395	1.491	1.760	16.160	0.043
491.98	89.04	84.87	77.76	71.72	67.13	56.88		1.123	1.178	1.286	1.394	1.490	1.758	16.121	0.043
492.18	89.04	84.87	77.76	71.74	67.15	56.92		1.123	1.178	1.286	1.394	1.489	1.757	16.107	0.043
492.38	89.06	84.86	77.80	71.77	67.19	56.98		1.123	1.178	1.285	1.393	1.488	1.755	16.084	0.043
492.58	89.07	84.89	77.83	71.82	67.25	57.05		1.123	1.178	1.285	1.392	1.487	1.753	16.050	0.042
492.78	89.06	84.92	77.87	71.87	67.31	57.10		1.123	1.178	1.284	1.391	1.486	1.751	16.018	0.042
492.98	89.10	84.96	77.95	71.93	67.36	57.16		1.122	1.177	1.283	1.390	1.484	1.749	15.983	0.042
493.18	89.13	85.01	78.02	72.00	67.43	57.23		1.122	1.176	1.282	1.389	1.483	1.747	15.942	0.042
493.38	89.10	84.99	78.03	72.03	67.49	57.25		1.122	1.177	1.282	1.388	1.482	1.747	15.926	0.042
493.58	89.15	85.02	78.08	72.08	67.54	57.30		1.122	1.176	1.281	1.387	1.481	1.745	15.895	0.042
493.78	89.18	85.05	78.14	72.18	67.62	57.38		1.121	1.176	1.280	1.386	1.479	1.743	15.848	0.042
493.98	89.21	85.13	78.19	72.26	67.71	57.47		1.121	1.175	1.279	1.384	1.477	1.740	15.797	0.042
494.18	89.22	85.18	78.25	72.33	67.77	57.57		1.121	1.174	1.278	1.383	1.476	1.737	15.753	0.042
494.38	89.25	85.19	78.29	72.39	67.83	57.63		1.121	1.174	1.277	1.381	1.474	1.735	15.720	0.042
494.58	89.22	85.17	78.32	72.42	67.87	57.69		1.121	1.174	1.277	1.381	1.473	1.733	15.695	0.041
494.79	89.25	85.23	78.39	72.51	67.95	57.77		1.120	1.173	1.276	1.379	1.472	1.731	15.649	0.041
494.99	89.30	85.31	78.45	72.59	68.04	57.87		1.120	1.172	1.275	1.378	1.470	1.728	15.594	0.041
495.19	89.34	85.34	78.49	72.63	68.10	57.95		1.119	1.172	1.274	1.377	1.468	1.725	15.558	0.041
495.39	89.32	85.35	78.52	72.65	68.14	58.04		1.120	1.172	1.274	1.376	1.468	1.723	15.530	0.041
495.59	89.36	85.41	78.62	72.71	68.22	58.14		1.119	1.171	1.272	1.375	1.466	1.720	15.478	0.041
495.79	89.42	85.46	78.68	72.78	68.29	58.20		1.118	1.170	1.271	1.374	1.464	1.718	15.437	0.041
495.99	89.47	85.53	78.78	72.89	68.37	58.30		1.118	1.169	1.269	1.372	1.463	1.715	15.382	0.041
496.19	89.45	85.55	78.81	72.90	68.39	58.32		1.118	1.169	1.269	1.372	1.462	1.715	15.369	0.041
496.39	89.51	85.60	78.90	72.98	68.50	58.44		1.117	1.168	1.267	1.370	1.460	1.711	15.309	0.040
496.59	89.56	85.66	78.98	73.09	68.61	58.55		1.117	1.167	1.266	1.368	1.457	1.708	15.248	0.040
496.79	89.61	85.73	79.06	73.19	68.72	58.62		1.116	1.166	1.265	1.366	1.455	1.706	15.194	0.040
496.99	89.64	85.77	79.12	73.26	68.78	58.72		1.116	1.166	1.264	1.365	1.454	1.703	15.148	0.040
497.19	89.64	85.82	79.14	73.32	68.85	58.81		1.116	1.165	1.264	1.364	1.452	1.701	15.110	0.040
497.39	89.72	85.89	79.23	73.44	68.96	58.94		1.115	1.164	1.262	1.362	1.450	1.697	15.042	0.040
497.59	89.71	85.88	79.26	73.47	68.97	58.98		1.115	1.164	1.262	1.361	1.450	1.696	15.027	0.040
497.79	89.71	85.94	79.33	73.54	69.03	59.05		1.115	1.164	1.261	1.360	1.449	1.693	14.986	0.040
497.99	89.73	85.97	79.40	73.55	69.07	59.11		1.114	1.163	1.259	1.360	1.448	1.692	14.960	0.040
498.19	89.75	85.98	79.46	73.60	69.14	59.15		1.114	1.163	1.258	1.359	1.446	1.691	14.930	0.039
498.39	89.75	86.01	79.49	73.64	69.20	59.19		1.114	1.163	1.258	1.358	1.445	1.690	14.905	0.039
498.59	89.74	86.07	79.55	73.73	69.29	59.26		1.114	1.162	1.257	1.356	1.443	1.687	14.859	0.039

498.79	89.79	86.15	79.61	73.82	69.38	59.35		1.114	1.161	1.256	1.355	1.441	1.685	14.809	0.039
498.99	89.86	86.21	79.69	73.90	69.48	59.47		1.113	1.160	1.255	1.353	1.439	1.681	14.749	0.039
499.19	89.94	86.24	79.79	73.97	69.58	59.57		1.112	1.160	1.253	1.352	1.437	1.679	14.695	0.039
499.39	89.96	86.29	79.86	74.05	69.67	59.65		1.112	1.159	1.252	1.351	1.435	1.676	14.649	0.039
499.59	90.00	86.40	79.94	74.14	69.76	59.73		1.111	1.157	1.251	1.349	1.433	1.674	14.597	0.039
499.79	90.02	86.41	80.00	74.20	69.84	59.80		1.111	1.157	1.250	1.348	1.432	1.672	14.558	0.038
499.99	90.02	86.43	79.99	74.24	69.87	59.85		1.111	1.157	1.250	1.347	1.431	1.671	14.541	0.038
500.19	90.03	86.48	80.00	74.27	69.93	59.92		1.111	1.156	1.250	1.346	1.430	1.669	14.510	0.038
500.39	90.07	86.46	80.02	74.30	69.99	59.97		1.110	1.157	1.250	1.346	1.429	1.667	14.486	0.038
500.59	90.09	86.56	80.09	74.38	70.04	60.05		1.110	1.155	1.249	1.344	1.428	1.665	14.445	0.038
500.79	90.09	86.58	80.10	74.41	70.07	60.10		1.110	1.155	1.248	1.344	1.427	1.664	14.424	0.038
500.99	90.11	86.58	80.14	74.42	70.09	60.16		1.110	1.155	1.248	1.344	1.427	1.662	14.406	0.038
501.19	90.15	86.66	80.22	74.49	70.15	60.18		1.109	1.154	1.247	1.342	1.426	1.662	14.373	0.038
501.39	90.23	86.72	80.35	74.58	70.22	60.24		1.108	1.153	1.245	1.341	1.424	1.660	14.329	0.038
501.59	90.20	86.73	80.36	74.57	70.24	60.27		1.109	1.153	1.244	1.341	1.424	1.659	14.318	0.038
501.79	90.37	86.88	80.52	74.74	70.46	60.43		1.107	1.151	1.242	1.338	1.419	1.655	14.213	0.038
501.99	90.33	86.85	80.48	74.73	70.45	60.44		1.107	1.151	1.242	1.338	1.419	1.655	14.217	0.038
502.19	90.33	86.89	80.53	74.82	70.52	60.51		1.107	1.151	1.242	1.337	1.418	1.653	14.178	0.037
502.39	90.36	86.91	80.57	74.84	70.53	60.60		1.107	1.151	1.241	1.336	1.418	1.650	14.159	0.037
502.59	90.38	86.91	80.63	74.87	70.58	60.66		1.106	1.151	1.240	1.336	1.417	1.649	14.124	0.037
502.79	90.47	86.98	80.71	74.92	70.65	60.78		1.105	1.150	1.239	1.335	1.415	1.645	14.073	0.037
502.99	90.47	86.98	80.75	74.96	70.69	60.84		1.105	1.150	1.238	1.334	1.415	1.644	14.047	0.037
503.19	90.42	86.96	80.73	74.94	70.69	60.82		1.106	1.150	1.239	1.334	1.415	1.644	14.057	0.037
503.39	90.36	86.94	80.68	74.94	70.66	60.84		1.107	1.150	1.240	1.334	1.415	1.644	14.066	0.037
503.59	90.31	86.88	80.64	74.93	70.63	60.81		1.107	1.151	1.240	1.335	1.416	1.644	14.082	0.037
503.79	90.29	86.84	80.64	74.93	70.62	60.82		1.108	1.152	1.240	1.335	1.416	1.644	14.084	0.037
503.99	90.38	86.87	80.71	75.01	70.68	60.91		1.106	1.151	1.239	1.333	1.415	1.642	14.040	0.037
504.19	90.37	86.89	80.79	75.11	70.74	61.02		1.107	1.151	1.238	1.331	1.414	1.639	13.992	0.037
504.39	90.45	86.98	80.87	75.21	70.82	61.08		1.106	1.150	1.237	1.330	1.412	1.637	13.945	0.037
504.59	90.59	87.13	80.99	75.34	70.94	61.20		1.104	1.148	1.235	1.327	1.410	1.634	13.870	0.037
504.79	90.65	87.17	80.99	75.37	71.02	61.24		1.103	1.147	1.235	1.327	1.408	1.633	13.844	0.037
504.99	90.62	87.16	80.99	75.43	71.06	61.27		1.103	1.147	1.235	1.326	1.407	1.632	13.829	0.037
505.19	90.65	87.22	80.98	75.48	71.13	61.29		1.103	1.147	1.235	1.325	1.406	1.631	13.805	0.036
505.39	90.76	87.28	81.04	75.64	71.23	61.44		1.102	1.146	1.234	1.322	1.404	1.627	13.732	0.036
505.59	90.71	87.27	81.01	75.64	71.23	61.53		1.102	1.146	1.234	1.322	1.404	1.625	13.720	0.036
505.79	90.71	87.23	81.02	75.62	71.22	61.53		1.102	1.146	1.234	1.322	1.404	1.625	13.722	0.036
505.99	90.64	87.25	80.98	75.58	71.17	61.53		1.103	1.146	1.235	1.323	1.405	1.625	13.740	0.036
506.19	90.71	87.34	81.03	75.66	71.25	61.61		1.102	1.145	1.234	1.322	1.404	1.623	13.695	0.036
506.39	90.83	87.41	81.14	75.74	71.30	61.72		1.101	1.144	1.232	1.320	1.403	1.620	13.643	0.036
506.59	90.87	87.49	81.22	75.81	71.40	61.72		1.101	1.143	1.231	1.319	1.401	1.620	13.610	0.036
506.79	91.00	87.60	81.32	75.97	71.51	61.88		1.099	1.142	1.230	1.316	1.398	1.616	13.528	0.036
506.99	90.98	87.57	81.33	75.97	71.47	61.90		1.099	1.142	1.230	1.316	1.399	1.616	13.532	0.036
507.19	91.01	87.56	81.34	75.94	71.45	61.91		1.099	1.142	1.229	1.317	1.400	1.615	13.536	0.036
507.39	91.07	87.62	81.40	75.98	71.52	61.99		1.098	1.141	1.228	1.316	1.398	1.613	13.495	0.036
507.59	91.07	87.64	81.42	75.96	71.58	61.99		1.098	1.141	1.228	1.316	1.397	1.613	13.488	0.036
507.79	91.22	87.79	81.54	76.07	71.69	62.15		1.096	1.139	1.226	1.315	1.395	1.609	13.411	0.035
507.99	91.46	87.99	81.73	76.25	71.80	62.30		1.093	1.136	1.224	1.312	1.393	1.605	13.316	0.035
508.19	91.33	87.97	81.66	76.17	71.77	62.24		1.095	1.137	1.225	1.313	1.393	1.607	13.349	0.035
508.39	91.34	87.98	81.69	76.15	71.82	62.23		1.095	1.137	1.224	1.313	1.392	1.607	13.343	0.035
508.59	91.36	87.95	81.69	76.18	71.89	62.32		1.095	1.137	1.224	1.313	1.391	1.605	13.314	0.035
508.79	91.33	87.93	81.69	76.16	71.84	62.34		1.095	1.137	1.224	1.313	1.392	1.604	13.321	0.035
508.99	91.44	88.00	81.77	76.26	71.96	62.47		1.094	1.136	1.223	1.311	1.390	1.601	13.256	0.035
509.19	91.44	87.99	81.76	76.27	71.97	62.50		1.094	1.137	1.223	1.311	1.390	1.600	13.249	0.035
509.39	91.53	88.06	81.88	76.32	71.99	62.61		1.092	1.136	1.221	1.310	1.389	1.597	13.205	0.035
509.58	91.46	88.00	81.80	76.23	72.00	62.60		1.093	1.136	1.223	1.312	1.389	1.598	13.227	0.035
509.78	91.63	88.15	81.91	76.34	72.14	62.66		1.091	1.134	1.221	1.310	1.386	1.596	13.162	0.035
509.98	91.65	88.24	81.88	76.44	72.23	62.73		1.091	1.133	1.221	1.308	1.384	1.594	13.122	0.035
510.18	91.82	88.35	82.06	76.62	72.35	62.89		1.089	1.132	1.219	1.305	1.382	1.590	13.034	0.034
510.38	92.05	88.52	82.25	76.79	72.53	63.10		1.086	1.130	1.216	1.302	1.379	1.585	12.922	0.034
510.58	91.99	88.50	82.13	76.76	72.54	63.03		1.087	1.130	1.218	1.303	1.379	1.587	12.950	0.034
510.78	92.04	88.50	82.15	76.83	72.60	63.16		1.086	1.130	1.217	1.302	1.377	1.583	12.906	0.034
510.98	92.04	88.48	82.14	76.75	72.58	63.09		1.087	1.130	1.218	1.303	1.378	1.585	12.932	0.034
511.18	92.06	88.57	82.15	76.85	72.72	63.15		1.086	1.129	1.217	1.301	1.375	1.584	12.885	0.034
511.38	92.16	88.71	82.26	76.99	72.83	63.23		1.085	1.127	1.216	1.299	1.373	1.581	12.822	0.034
511.58	92.18	88.69	82.24	77.06	72.81	63.28		1.085	1.128	1.216	1.298	1.373	1.580	12.809	0.034
511.78	92.31	88.72	82.37	77.19	72.90	63.42		1.083	1.127	1.214	1.296	1.372	1.577	12.742	0.034
511.98	92.27	88.83	82.43	77.23	73.00	63.44		1.084	1.126	1.213	1.295	1.370	1.576	12.712	0.034
512.18	92.06	88.60	82.34	77.14	72.96	63.42		1.086	1.129	1.215	1.296	1.371	1.577	12.752	0.034
512.38	92.20	88.68	82.47	77.29	73.08	63.59		1.085	1.128	1.213	1.294	1.368	1.573	12.672	0.034
512.58	92.28	88.76	82.53	77.41	73.17	63.75		1.084	1.127	1.212	1.292	1.367	1.569	12.605	0.033

512.78	92.42	88.91	82.69	77.47	73.21	63.83		1.082	1.125	1.209	1.291	1.366	1.567	12.555	0.033
512.97	92.50	89.10	82.82	77.66	73.29	63.93		1.081	1.122	1.207	1.288	1.364	1.564	12.484	0.033
513.17	92.33	89.02	82.77	77.57	73.21	63.86		1.083	1.123	1.208	1.289	1.366	1.566	12.531	0.033
513.37	92.52	89.19	82.98	77.66	73.27	64.06		1.081	1.121	1.205	1.288	1.365	1.561	12.447	0.033
513.57	92.59	89.22	82.97	77.74	73.35	64.15		1.080	1.121	1.205	1.286	1.363	1.559	12.408	0.033
513.77	92.56	89.34	83.09	77.81	73.43	64.24		1.080	1.119	1.204	1.285	1.362	1.557	12.357	0.033
513.97	92.54	89.41	83.20	77.89	73.47	64.33		1.081	1.118	1.202	1.284	1.361	1.555	12.316	0.033
514.17	92.64	89.45	83.33	77.95	73.53	64.43		1.079	1.118	1.200	1.283	1.360	1.552	12.268	0.032
514.37	92.59	89.45	83.22	77.82	73.56	64.45		1.080	1.118	1.202	1.285	1.359	1.552	12.283	0.032
514.57	92.47	89.46	83.22	77.80	73.55	64.39		1.081	1.118	1.202	1.285	1.360	1.553	12.301	0.033
514.77	92.63	89.61	83.46	77.97	73.79	64.59		1.080	1.116	1.198	1.283	1.355	1.548	12.185	0.032
514.97	92.54	89.53	83.43	77.93	73.74	64.59		1.081	1.117	1.199	1.283	1.356	1.548	12.202	0.032
515.17	92.56	89.61	83.44	78.00	73.79	64.68		1.080	1.116	1.199	1.282	1.355	1.546	12.167	0.032
515.37	92.59	89.67	83.37	77.97	73.74	64.66		1.080	1.115	1.199	1.282	1.356	1.547	12.181	0.032
515.56	92.59	89.71	83.42	78.06	73.91	64.78		1.080	1.115	1.199	1.281	1.353	1.544	12.120	0.032
515.76	92.62	89.80	83.43	78.10	73.98	64.80		1.080	1.114	1.199	1.280	1.352	1.543	12.098	0.032
515.96	92.57	90.05	83.53	78.17	74.05	64.91		1.080	1.110	1.197	1.279	1.350	1.540	12.041	0.032
516.16	92.58	89.93	83.46	78.14	74.09	64.91		1.080	1.112	1.198	1.280	1.350	1.541	12.050	0.032
516.36	92.73	90.21	83.63	78.26	74.29	65.04		1.078	1.109	1.196	1.278	1.346	1.537	11.958	0.032
516.56	92.83	90.38	83.70	78.36	74.35	65.17		1.077	1.106	1.195	1.276	1.345	1.534	11.900	0.031
516.76	92.78	90.33	83.74	78.23	74.31	65.09		1.078	1.107	1.194	1.278	1.346	1.536	11.934	0.032
516.96	92.85	90.43	83.80	78.47	74.45	65.19		1.077	1.106	1.193	1.274	1.343	1.534	11.862	0.031
517.16	92.79	90.31	83.76	78.37	74.51	65.32		1.078	1.107	1.194	1.276	1.342	1.531	11.847	0.031
517.36	93.05	90.50	84.05	78.66	74.73	65.53		1.075	1.105	1.190	1.271	1.338	1.526	11.714	0.031
517.56	93.07	90.57	84.14	78.88	74.86	65.59		1.074	1.104	1.188	1.268	1.336	1.525	11.652	0.031
517.75	93.14	90.65	84.34	78.96	74.94	65.62		1.074	1.103	1.186	1.266	1.334	1.524	11.607	0.031
517.95	93.17	90.52	84.27	78.80	74.81	65.54		1.073	1.105	1.187	1.269	1.337	1.526	11.666	0.031
518.15	93.10	90.49	84.18	78.71	74.82	65.54		1.074	1.105	1.188	1.271	1.337	1.526	11.684	0.031
518.35	93.07	90.63	84.31	78.89	74.95	65.58		1.074	1.103	1.186	1.268	1.334	1.525	11.625	0.031
518.55	93.04	90.52	84.38	78.94	74.88	65.61		1.075	1.105	1.185	1.267	1.335	1.524	11.624	0.031
518.75	93.16	90.79	84.53	79.12	75.07	65.92		1.073	1.101	1.183	1.264	1.332	1.517	11.498	0.030
518.95	93.22	90.86	84.59	79.21	75.09	66.03		1.073	1.101	1.182	1.262	1.332	1.514	11.454	0.030
519.15	93.43	91.18	84.69	79.44	75.43	66.23		1.070	1.097	1.181	1.259	1.326	1.510	11.322	0.030
519.35	93.39	91.27	84.67	79.51	75.41	66.32		1.071	1.096	1.181	1.258	1.326	1.508	11.298	0.030
519.54	93.34	91.20	84.96	79.70	75.53	66.43		1.071	1.096	1.177	1.255	1.324	1.505	11.226	0.030
519.74	93.22	91.06	84.80	79.61	75.48	66.42		1.073	1.098	1.179	1.256	1.325	1.506	11.266	0.030
519.94	93.35	91.19	85.08	79.79	75.70	66.75		1.071	1.097	1.175	1.253	1.321	1.498	11.125	0.029
520.14	93.69	91.38	85.19	80.03	75.99	66.94		1.067	1.094	1.174	1.250	1.316	1.494	11.005	0.029
520.34	94.04	91.67	85.47	80.39	76.09	67.30		1.063	1.091	1.170	1.244	1.314	1.486	10.848	0.029
520.54	94.24	91.78	85.65	80.67	76.18	67.47		1.061	1.090	1.167	1.240	1.313	1.482	10.754	0.028
520.74	94.22	91.70	85.66	80.69	76.23	67.32		1.061	1.091	1.167	1.239	1.312	1.485	10.776	0.028
520.94	94.47	91.88	85.87	80.93	76.48	67.55		1.059	1.088	1.165	1.236	1.308	1.480	10.649	0.028
521.14	94.47	91.84	86.03	80.83	76.47	67.58		1.059	1.089	1.162	1.237	1.308	1.480	10.645	0.028
521.33	94.53	92.03	86.05	80.97	76.56	67.70		1.058	1.087	1.162	1.235	1.306	1.477	10.585	0.028
521.53	94.53	92.05	86.09	80.95	76.54	67.69		1.058	1.086	1.162	1.235	1.307	1.477	10.589	0.028
521.73	94.70	92.31	86.29	81.07	76.85	67.87		1.056	1.083	1.159	1.233	1.301	1.473	10.473	0.028
521.93	94.53	92.29	86.32	81.00	76.80	67.99		1.058	1.084	1.158	1.235	1.302	1.471	10.468	0.028
522.13	94.74	92.58	86.63	81.36	77.15	68.24		1.056	1.080	1.154	1.229	1.296	1.465	10.300	0.027
522.33	94.90	92.75	86.78	81.68	77.32	68.54		1.054	1.078	1.152	1.224	1.293	1.459	10.172	0.027
522.53	95.09	92.81	86.89	81.84	77.37	68.65		1.052	1.077	1.151	1.222	1.292	1.457	10.113	0.027
522.73	95.60	93.27	87.18	82.21	77.79	68.93		1.046	1.072	1.147	1.216	1.286	1.451	9.920	0.026
522.92	95.69	93.14	87.14	82.31	77.67	68.73		1.045	1.074	1.148	1.215	1.288	1.455	9.968	0.026
523.12	95.64	93.17	87.02	82.26	77.65	68.72		1.046	1.073	1.149	1.216	1.288	1.455	9.984	0.026
523.32	95.62	93.14	87.11	82.23	77.49	68.70		1.046	1.074	1.148	1.216	1.291	1.456	10.008	0.026
523.52	96.05	93.33	87.55	82.67	78.00	68.93		1.041	1.071	1.142	1.210	1.282	1.451	9.809	0.026
523.72	96.26	93.57	87.66	82.76	78.12	69.12		1.039	1.069	1.141	1.208	1.280	1.447	9.727	0.026
523.92	96.47	93.86	87.97	82.96	78.11	69.38		1.037	1.065	1.137	1.205	1.280	1.441	9.625	0.025
524.12	96.55	93.87	88.00	82.97	78.06	69.27		1.036	1.065	1.136	1.205	1.281	1.444	9.643	0.025
524.31	96.31	93.48	87.98	82.91	77.99	69.17		1.038	1.070	1.137	1.206	1.282	1.446	9.702	0.026
524.51	96.15	93.41	87.93	82.88	78.10	69.16		1.040	1.071	1.137	1.207	1.280	1.446	9.703	0.026
524.71	95.94	93.37	87.79	82.73	78.13	69.02		1.042	1.071	1.139	1.209	1.280	1.449	9.754	0.026
524.91	96.08	93.54	87.86	82.88	78.22	69.03		1.041	1.069	1.138	1.207	1.278	1.449	9.709	0.026
525.11	96.11	93.59	87.84	83.04	78.26	69.14		1.040	1.069	1.138	1.204	1.278	1.446	9.667	0.026
525.31	96.13	93.73	87.77	83.25	78.46	69.40		1.040	1.067	1.139	1.201	1.274	1.441	9.574	0.025
525.51	96.22	93.71	87.82	83.41	78.66	69.39		1.039	1.067	1.139	1.199	1.271	1.441	9.530	0.025
525.71	96.28	93.78	87.89	83.61	78.96	69.58		1.039	1.065	1.138	1.196	1.266	1.437	9.428	0.025
525.9	96.26	93.70	87.69	83.55	78.80	69.62		1.039	1.067	1.140	1.197	1.269	1.436	9.465	0.025
526.1	96.60	94.01	87.69	83.92	79.03	69.54		1.035	1.064	1.140	1.192	1.265	1.438	9.394	0.025
526.3	96.54	94.12	87.58	83.97	79.03	69.33		1.036	1.062	1.142	1.191	1.265	1.442	9.429	0.025
526.5	96.71	94.17	87.54	83.97	79.25	69.24		1.034	1.062	1.142	1.191	1.262	1.444	9.414	0.025

526.7	96.74	94.36	87.68	84.09	79.62	69.40		1.034	1.060	1.141	1.189	1.256	1.441	9.309	0.025
526.89	96.56	94.25	87.63	84.08	79.67	69.52		1.036	1.061	1.141	1.189	1.255	1.439	9.296	0.025
527.09	96.42	93.99	87.56	83.99	79.83	69.56		1.037	1.064	1.142	1.191	1.253	1.438	9.296	0.025
527.29	96.44	94.00	87.49	84.03	79.88	69.57		1.037	1.064	1.143	1.190	1.252	1.437	9.288	0.025
527.49	96.77	94.34	87.89	84.49	80.34	70.06		1.033	1.060	1.138	1.184	1.245	1.427	9.049	0.024
527.69	96.69	94.26	87.67	84.34	80.13	70.08		1.034	1.061	1.141	1.186	1.248	1.427	9.106	0.024
527.89	96.68	94.40	87.57	84.43	80.35	70.33		1.034	1.059	1.142	1.184	1.245	1.422	9.028	0.024
528.08	96.87	94.58	87.57	84.38	80.57	70.29		1.032	1.057	1.142	1.185	1.241	1.423	9.001	0.024
528.28	96.79	94.69	87.86	84.54	80.73	70.51		1.033	1.056	1.138	1.183	1.239	1.418	8.903	0.024
528.48	96.81	94.94	87.92	84.55	80.65	70.50		1.033	1.053	1.137	1.183	1.240	1.419	8.898	0.024
528.68	97.09	95.35	88.30	84.87	80.99	70.67		1.030	1.049	1.132	1.178	1.235	1.415	8.745	0.023
528.88	97.67	95.83	88.81	85.26	81.50	71.18		1.024	1.044	1.126	1.173	1.227	1.405	8.487	0.022
529.08	98.03	96.06	89.33	85.52	81.87	71.76		1.020	1.041	1.119	1.169	1.221	1.393	8.263	0.022
529.27	98.32	96.40	89.68	85.76	82.22	72.07		1.017	1.037	1.115	1.166	1.216	1.388	8.101	0.021
529.47	98.28	96.16	89.74	85.53	81.97	71.90		1.018	1.040	1.114	1.169	1.220	1.391	8.187	0.022
529.67	98.55	96.36	90.30	85.89	82.35	72.16		1.015	1.038	1.107	1.164	1.214	1.386	8.011	0.021
529.87	98.53	96.43	90.25	85.91	82.26	72.06		1.015	1.037	1.108	1.164	1.216	1.388	8.038	0.021
530.07	98.44	96.21	90.28	85.68	82.19	71.98		1.016	1.039	1.108	1.167	1.217	1.389	8.091	0.021
530.27	98.49	96.34	90.51	85.91	82.49	72.42		1.015	1.038	1.105	1.164	1.212	1.381	7.935	0.021
530.46	98.70	96.52	90.86	86.19	82.72	72.87		1.013	1.036	1.101	1.160	1.209	1.372	7.769	0.021
530.66	98.66	96.49	91.15	86.21	82.53	73.06		1.014	1.036	1.097	1.160	1.212	1.369	7.740	0.020
530.86	98.92	96.60	91.51	86.24	82.59	73.44		1.011	1.035	1.093	1.160	1.211	1.362	7.632	0.020
531.06	98.57	96.36	91.32	85.94	82.28	73.29		1.015	1.038	1.095	1.164	1.215	1.364	7.754	0.021
531.26	98.98	96.92	91.81	86.29	82.76	73.89		1.010	1.032	1.089	1.159	1.208	1.353	7.497	0.020
531.45	98.93	96.81	91.96	86.40	82.77	74.05		1.011	1.033	1.087	1.157	1.208	1.350	7.453	0.020
531.65	98.92	96.73	91.89	86.43	82.53	73.99		1.011	1.034	1.088	1.157	1.212	1.351	7.499	0.020
531.85	99.01	97.42	92.51	86.82	82.87	74.51		1.010	1.027	1.081	1.152	1.207	1.342	7.262	0.019
532.05	99.37	97.46	92.85	86.71	82.87	74.39		1.006	1.026	1.077	1.153	1.207	1.344	7.260	0.019
532.25	99.36	97.25	92.82	86.65	82.63	74.28		1.006	1.028	1.077	1.154	1.210	1.346	7.324	0.019
532.44	99.47	97.49	92.75	86.76	82.59	74.20		1.005	1.026	1.078	1.153	1.211	1.348	7.323	0.019
532.64	99.43	97.49	92.76	86.73	82.74	74.41		1.006	1.026	1.078	1.153	1.209	1.344	7.273	0.019
532.84	99.55	97.57	92.87	86.86	82.92	74.50		1.004	1.025	1.077	1.151	1.206	1.342	7.212	0.019
533.04	99.44	97.63	92.94	87.02	82.84	74.31		1.006	1.024	1.076	1.149	1.207	1.346	7.233	0.019
533.24	99.05	97.21	92.22	86.88	82.65	73.85		1.010	1.029	1.084	1.151	1.210	1.354	7.419	0.020
533.43	98.53	96.84	91.49	86.16	82.33	73.65		1.015	1.033	1.093	1.161	1.215	1.358	7.636	0.020
533.63	98.62	96.98	91.68	86.55	82.86	73.93		1.014	1.031	1.091	1.155	1.207	1.353	7.466	0.020
533.83	98.27	96.88	91.27	86.45	82.63	73.83		1.018	1.032	1.096	1.157	1.210	1.355	7.561	0.020
534.03	98.39	97.24	91.54	86.31	82.72	74.18		1.016	1.028	1.092	1.159	1.209	1.348	7.469	0.020
534.23	98.89	98.04	91.94	86.89	83.47	74.54		1.011	1.020	1.088	1.151	1.198	1.341	7.192	0.019
534.42	98.50	97.77	91.62	86.56	83.17	74.20		1.015	1.023	1.091	1.155	1.202	1.348	7.357	0.019
534.62	98.81	97.85	91.69	86.89	83.41	74.47		1.012	1.022	1.091	1.151	1.199	1.343	7.236	0.019
534.82	98.99	97.85	91.53	86.92	83.49	74.74		1.010	1.022	1.093	1.151	1.198	1.338	7.189	0.019
535.02	99.18	97.85	91.29	86.87	83.30	74.53		1.008	1.022	1.095	1.151	1.200	1.342	7.261	0.019
535.22	100.00	98.53	91.79	87.46	83.89	74.83		1.000	1.015	1.089	1.143	1.192	1.336	7.006	0.019
535.41	100.10	98.94	91.93	87.62	83.95	74.61		0.999	1.011	1.088	1.141	1.191	1.340	6.991	0.018
535.61	100.62	99.54	92.45	88.04	84.42	75.26		0.994	1.005	1.082	1.136	1.185	1.329	6.720	0.018
535.81	100.92	99.94	92.41	88.08	84.71	75.52		0.991	1.001	1.082	1.135	1.181	1.324	6.620	0.018
536.01	101.16	99.70	92.13	87.92	84.75	75.48		0.989	1.003	1.085	1.137	1.180	1.325	6.659	0.018
536.2	101.82	100.21	92.62	88.69	85.43	75.83		0.982	0.998	1.080	1.128	1.171	1.319	6.383	0.017
536.4	102.19	100.97	93.34	89.56	86.28	76.31		0.979	0.990	1.071	1.117	1.159	1.311	6.040	0.016
536.6	102.12	100.79	92.98	89.36	86.30	76.21		0.979	0.992	1.075	1.119	1.159	1.312	6.103	0.016
536.8	103.33	101.75	93.82	90.48	87.23	76.76		0.968	0.983	1.066	1.105	1.146	1.303	5.685	0.015
537	103.30	101.84	93.65	90.42	87.05	76.66		0.968	0.982	1.068	1.106	1.149	1.304	5.735	0.015
537.19	103.66	101.92	93.52	90.50	87.34	77.43		0.965	0.981	1.069	1.105	1.145	1.291	5.570	0.015
537.39	103.72	102.37	94.11	90.67	87.56	77.76		0.964	0.977	1.063	1.103	1.142	1.286	5.421	0.014
537.59	104.48	103.00	94.82	91.58	87.83	78.03		0.957	0.971	1.055	1.092	1.139	1.282	5.177	0.014
537.79	105.10	103.43	94.77	91.74	87.61	78.39		0.951	0.967	1.055	1.090	1.141	1.276	5.106	0.013
537.98	105.72	103.91	95.16	91.67	87.83	78.74		0.946	0.962	1.051	1.091	1.139	1.270	4.975	0.013
538.18	105.41	103.49	94.76	91.83	87.70	78.40		0.949	0.966	1.055	1.089	1.140	1.276	5.078	0.013
538.38	105.54	103.32	95.39	91.87	87.59	78.88		0.948	0.968	1.048	1.089	1.142	1.268	4.977	0.013
538.58	105.90	103.55	95.98	92.04	88.04	79.46		0.944	0.966	1.042	1.086	1.136	1.259	4.765	0.013
538.77	106.14	103.63	96.28	92.01	88.21	79.73		0.942	0.965	1.039	1.087	1.134	1.254	4.678	0.012
538.97	106.57	104.03	96.79	92.61	88.71	79.57		0.938	0.961	1.033	1.080	1.127	1.257	4.536	0.012
539.17	106.41	104.45	96.94	92.88	88.95	79.53		0.940	0.957	1.032	1.077	1.124	1.257	4.469	0.012
539.37	106.69	104.40	97.05	93.45	89.24	79.81		0.937	0.958	1.030	1.070	1.121	1.253	4.331	0.011
539.56	106.59	103.58	97.29	93.27	88.96	80.23		0.938	0.965	1.028	1.072	1.124	1.246	4.334	0.011
539.76	106.94	103.82	97.72	93.76	89.32	80.12		0.935	0.963	1.023	1.067	1.120	1.248	4.224	0.011
539.96	106.81	103.55	98.06	93.72	89.39	80.01		0.936	0.966	1.020	1.067	1.119	1.250	4.229	0.011
540.16	106.65	103.39	98.02	94.05	89.57	79.98		0.938	0.967	1.020	1.063	1.116	1.250	4.196	0.011
540.35	105.51	102.88	97.00	93.45	89.01	79.86		0.948	0.972	1.031	1.070	1.123	1.252	4.437	0.012

540.55	105.09	102.49	96.63	93.05	88.57	80.11		0.952	0.976	1.035	1.075	1.129	1.248	4.533	0.012
540.75	105.34	102.42	97.05	93.09	88.75	80.13		0.949	0.976	1.030	1.074	1.127	1.248	4.475	0.012
540.95	104.84	101.80	96.16	92.47	88.03	79.68		0.954	0.982	1.040	1.081	1.136	1.255	4.773	0.013
541.14	104.77	101.26	96.15	92.46	88.01	80.05		0.954	0.988	1.040	1.082	1.136	1.249	4.746	0.013
541.34	104.18	100.81	95.92	91.83	87.73	79.24		0.960	0.992	1.042	1.089	1.140	1.262	5.002	0.013
541.54	105.18	100.92	96.33	92.61	88.19	79.82		0.951	0.991	1.038	1.080	1.134	1.253	4.739	0.013
541.74	105.98	101.06	96.77	93.08	88.80	79.98		0.944	0.989	1.033	1.074	1.126	1.250	4.554	0.012
541.93	104.70	100.80	95.97	92.36	88.54	79.08		0.955	0.992	1.042	1.083	1.129	1.264	4.874	0.013
542.13	104.09	100.74	95.92	91.82	87.95	78.65		0.961	0.993	1.043	1.089	1.137	1.272	5.075	0.013
542.33	104.22	100.70	95.91	91.73	88.02	78.99		0.960	0.993	1.043	1.090	1.136	1.266	5.021	0.013
542.53	103.35	100.34	95.04	91.63	87.73	78.71		0.968	0.997	1.052	1.091	1.140	1.270	5.195	0.014
542.72	103.60	101.01	94.90	92.11	87.68	78.91		0.965	0.990	1.054	1.086	1.140	1.267	5.104	0.013
542.92	103.53	101.68	95.01	92.48	88.26	78.81		0.966	0.984	1.053	1.081	1.133	1.269	4.988	0.013
543.12	102.98	101.46	94.56	91.91	87.83	78.63		0.971	0.986	1.058	1.088	1.139	1.272	5.165	0.014
543.32	103.14	101.80	94.88	92.33	88.21	79.50		0.970	0.982	1.054	1.083	1.134	1.258	4.909	0.013
543.51	102.99	102.03	95.42	92.25	88.24	79.75		0.971	0.980	1.048	1.084	1.133	1.254	4.835	0.013
543.71	102.78	102.10	94.99	91.99	88.03	79.35		0.973	0.979	1.053	1.087	1.136	1.260	4.972	0.013
543.91	102.12	101.33	94.09	91.45	87.66	79.30		0.979	0.987	1.063	1.094	1.141	1.261	5.175	0.014
544.11	102.43	101.70	94.61	91.84	87.97	79.36		0.976	0.983	1.057	1.089	1.137	1.260	5.039	0.013
544.3	101.90	101.30	94.32	90.90	87.16	78.79		0.981	0.987	1.060	1.100	1.147	1.269	5.351	0.014
544.5	102.74	101.13	94.97	91.11	87.47	78.73		0.973	0.989	1.053	1.098	1.143	1.270	5.253	0.014
544.7	102.84	101.61	95.65	91.68	88.07	78.92		0.972	0.984	1.045	1.091	1.135	1.267	5.039	0.013
544.89	103.21	101.89	95.73	92.54	88.49	79.31		0.969	0.981	1.045	1.081	1.130	1.261	4.830	0.013
545.09	103.43	102.54	96.23	92.46	88.90	79.82		0.967	0.975	1.039	1.082	1.125	1.253	4.649	0.012
545.29	103.37	102.59	96.18	92.39	88.62	79.73		0.967	0.975	1.040	1.082	1.128	1.254	4.703	0.012
545.49	103.88	102.60	96.37	92.87	88.85	79.69		0.963	0.975	1.038	1.077	1.125	1.255	4.617	0.012
545.68	103.26	103.18	96.36	92.45	88.86	80.05		0.968	0.969	1.038	1.082	1.125	1.249	4.587	0.012
545.88	102.13	102.60	96.06	91.60	88.17	79.84		0.979	0.975	1.041	1.092	1.134	1.253	4.840	0.013
546.08	103.13	102.89	97.11	92.43	88.71	80.06		0.970	0.972	1.030	1.082	1.127	1.249	4.571	0.012
546.27	104.44	103.85	98.04	94.27	90.19	81.15		0.958	0.963	1.020	1.061	1.109	1.232	3.953	0.010
546.47	105.06	104.29	98.42	94.91	90.61	82.21		0.952	0.959	1.016	1.054	1.104	1.216	3.638	0.010
546.67	105.99	104.82	98.79	95.17	90.88	82.36		0.943	0.954	1.012	1.051	1.100	1.214	3.501	0.009
546.87	106.63	104.85	99.67	95.47	91.86	83.06		0.938	0.954	1.003	1.047	1.089	1.204	3.194	0.008
547.06	106.89	104.60	99.83	95.34	91.38	83.72		0.936	0.956	1.002	1.049	1.094	1.194	3.157	0.008
547.26	107.05	104.65	100.04	96.07	92.10	84.34		0.934	0.956	1.000	1.041	1.086	1.186	2.907	0.008
547.46	107.69	104.25	100.28	96.11	91.95	84.14		0.929	0.959	0.997	1.040	1.088	1.189	2.938	0.008
547.65	107.75	104.81	100.39	96.94	92.42	84.31		0.928	0.954	0.996	1.032	1.082	1.186	2.760	0.007
547.85	108.05	105.20	100.89	97.64	92.88	84.51		0.926	0.951	0.991	1.024	1.077	1.183	2.571	0.007
548.05	109.54	106.57	101.95	98.78	94.15	85.04		0.913	0.938	0.981	1.012	1.062	1.176	2.115	0.006
548.24	109.49	106.54	101.39	98.65	93.73	84.75		0.913	0.939	0.986	1.014	1.067	1.180	2.249	0.006
548.44	111.03	107.91	102.72	100.40	95.39	85.94		0.901	0.927	0.973	0.996	1.048	1.164	1.595	0.004
548.64	111.43	109.26	103.60	101.26	95.71	86.76		0.897	0.915	0.965	0.988	1.045	1.153	1.263	0.003
548.84	111.85	109.00	103.11	101.15	95.66	87.06		0.894	0.917	0.970	0.989	1.045	1.149	1.266	0.003
549.03	111.80	109.11	103.83	100.71	95.55	87.31		0.894	0.916	0.963	0.993	1.047	1.145	1.232	0.003
549.23	111.97	109.57	104.38	101.73	96.01	87.75		0.893	0.913	0.958	0.983	1.042	1.140	0.986	0.003
549.43	112.72	110.20	104.53	102.16	96.71	87.84		0.887	0.907	0.957	0.979	1.034	1.138	0.819	0.002
549.62	112.28	109.86	104.45	102.22	95.98	88.29		0.891	0.910	0.957	0.978	1.042	1.133	0.853	0.002
549.82	113.96	111.03	105.37	103.65	96.95	89.26		0.877	0.901	0.949	0.965	1.031	1.120	0.375	0.001

Star Trial 3 Mean Data

[illegible]

414.46	97.84	92.04	85.56	74.16	68.89	66.92	56.43	1.022	1.087	1.169	1.348	1.452	1.494	1.772	18.414	0.039
414.66	97.67	92.09	85.68	74.08	68.49	66.82	56.03	1.024	1.086	1.167	1.350	1.460	1.496	1.785	18.575	0.040
414.87	97.08	91.62	85.05	73.25	68.16	66.45	55.50	1.030	1.091	1.176	1.365	1.467	1.505	1.802	18.967	0.040
415.07	96.90	90.86	83.90	72.71	67.50	65.68	54.56	1.032	1.101	1.192	1.375	1.482	1.523	1.833	19.571	0.042
415.28	96.96	90.78	83.66	72.22	67.22	65.26	54.28	1.031	1.102	1.195	1.385	1.488	1.532	1.842	19.813	0.042
415.48	96.40	90.30	83.30	71.52	66.41	64.58	53.46	1.037	1.107	1.200	1.398	1.506	1.549	1.871	20.363	0.043
415.69	96.47	90.52	83.39	71.07	65.91	64.62	53.11	1.037	1.105	1.199	1.407	1.517	1.548	1.883	20.540	0.044
415.89	96.02	90.14	83.08	70.52	65.07	64.14	52.41	1.041	1.109	1.204	1.418	1.537	1.559	1.908	21.013	0.045
416.10	95.52	89.53	82.58	70.03	64.42	63.62	51.90	1.047	1.117	1.211	1.428	1.552	1.572	1.927	21.446	0.046
416.30	95.08	88.97	82.19	69.44	64.14	63.38	51.83	1.052	1.124	1.217	1.440	1.559	1.578	1.929	21.677	0.046
416.51	94.49	88.39	81.53	68.54	63.55	62.73	50.85	1.058	1.131	1.227	1.459	1.574	1.594	1.967	22.302	0.047
416.71	94.72	88.49	81.58	68.51	63.46	62.48	50.81	1.056	1.130	1.226	1.460	1.576	1.601	1.968	22.355	0.048
416.92	93.94	88.11	81.15	68.09	62.75	62.05	50.38	1.064	1.135	1.232	1.469	1.594	1.612	1.985	22.757	0.048
417.12	93.68	87.77	81.01	67.69	62.42	61.62	50.42	1.067	1.139	1.234	1.477	1.602	1.623	1.983	22.946	0.049
417.33	93.15	87.32	80.56	67.19	61.96	61.04	49.89	1.074	1.145	1.241	1.488	1.614	1.638	2.004	23.370	0.050
417.53	92.94	87.25	80.55	66.98	61.93	60.94	49.93	1.076	1.146	1.241	1.493	1.615	1.641	2.003	23.417	0.050
417.74	92.30	86.48	79.70	66.24	61.25	59.98	49.17	1.083	1.156	1.255	1.510	1.633	1.667	2.034	24.082	0.051
417.94	91.89	85.80	79.21	65.92	60.87	59.54	48.79	1.088	1.166	1.263	1.517	1.643	1.679	2.050	24.430	0.052
418.15	91.41	85.47	78.89	65.66	60.78	59.09	48.28	1.094	1.170	1.268	1.523	1.645	1.692	2.071	24.737	0.053
418.35	91.25	85.14	78.43	65.34	60.53	58.84	48.00	1.096	1.175	1.275	1.530	1.652	1.700	2.083	24.984	0.053
418.56	91.07	84.93	78.42	64.98	60.48	58.35	47.87	1.098	1.177	1.275	1.539	1.653	1.714	2.089	25.173	0.054
418.76	90.20	84.03	77.59	64.28	59.66	57.67	47.19	1.109	1.190	1.289	1.556	1.676	1.734	2.119	25.817	0.055
418.97	89.89	83.57	77.26	63.88	59.47	57.29	46.90	1.112	1.197	1.294	1.566	1.681	1.746	2.132	26.099	0.056
419.17	89.50	83.11	76.81	63.63	59.05	56.62	46.55	1.117	1.203	1.302	1.572	1.694	1.766	2.148	26.478	0.056
419.38	88.99	82.76	76.41	63.15	58.71	56.17	46.34	1.124	1.208	1.309	1.583	1.703	1.780	2.158	26.793	0.057
419.58	88.84	82.62	76.29	63.12	58.41	56.06	46.17	1.126	1.210	1.311	1.584	1.712	1.784	2.166	26.931	0.057
419.79	88.42	82.41	75.87	62.74	58.11	55.72	45.82	1.131	1.213	1.318	1.594	1.721	1.795	2.183	27.240	0.058
419.99	88.42	82.21	75.77	62.63	58.04	55.49	45.69	1.131	1.216	1.320	1.597	1.723	1.802	2.189	27.358	0.058
420.20	88.21	81.95	75.60	62.50	57.96	55.21	45.55	1.134	1.220	1.323	1.600	1.725	1.811	2.195	27.513	0.059
420.40	88.01	81.79	75.49	62.22	57.66	54.88	45.20	1.136	1.223	1.325	1.607	1.734	1.822	2.213	27.776	0.059
420.61	87.65	81.55	75.13	61.95	57.23	54.33	44.75	1.141	1.226	1.331	1.614	1.747	1.841	2.235	28.159	0.060
420.81	87.38	81.40	74.83	61.74	56.97	54.18	44.50	1.144	1.228	1.336	1.620	1.755	1.846	2.247	28.367	0.060
421.02	86.79	80.87	74.33	61.26	56.63	53.84	44.05	1.152	1.237	1.345	1.632	1.766	1.857	2.270	28.761	0.061
421.22	86.76	80.65	74.17	61.05	56.49	53.70	43.83	1.153	1.240	1.348	1.638	1.770	1.862	2.282	28.923	0.062
421.43	86.53	80.47	73.82	60.86	56.23	53.41	43.41	1.156	1.243	1.355	1.643	1.778	1.872	2.303	29.211	0.062
421.63	86.19	80.17	73.48	60.61	55.86	53.15	43.09	1.160	1.247	1.361	1.650	1.790	1.882	2.321	29.503	0.063
421.84	86.15	80.06	73.32	60.50	55.60	52.86	42.78	1.161	1.249	1.364	1.653	1.799	1.892	2.338	29.727	0.063
422.04	86.01	80.02	73.23	60.33	55.54	52.84	42.69	1.163	1.250	1.366	1.658	1.800	1.892	2.343	29.801	0.063
422.24	85.69	79.75	72.95	59.91	55.22	52.56	42.50	1.167	1.254	1.371	1.669	1.811	1.903	2.353	30.069	0.064
422.45	85.51	79.61	72.70	59.69	54.85	52.35	42.21	1.169	1.256	1.375	1.675	1.823	1.910	2.369	30.319	0.065
422.65	85.05	79.20	72.35	59.38	54.56	51.97	41.86	1.176	1.263	1.382	1.684	1.833	1.924	2.389	30.655	0.065
422.86	84.74	78.89	71.96	59.21	54.29	51.71	41.64	1.180	1.268	1.390	1.689	1.842	1.934	2.402	30.897	0.066
423.06	84.68	78.97	71.93	59.23	54.22	51.75	41.59	1.181	1.266	1.390	1.688	1.844	1.932	2.405	30.913	0.066
423.27	84.39	78.69	71.63	58.94	53.84	51.51	41.34	1.185	1.271	1.396	1.697	1.857	1.941	2.419	31.189	0.066
423.47	84.07	78.44	71.42	58.71	53.63	51.40	41.13	1.189	1.275	1.400	1.703	1.865	1.946	2.431	31.383	0.067
423.68	83.82	78.14	71.17	58.47	53.33	51.22	40.85	1.193	1.280	1.405	1.710	1.875	1.952	2.448	31.631	0.067
423.88	83.47	77.79	70.93	58.21	53.08	51.00	40.59	1.198	1.286	1.410	1.718	1.884	1.961	2.463	31.884	0.068
424.09	83.25	77.51	70.67	58.02	52.90	50.89	40.41	1.201	1.290	1.415	1.724	1.891	1.965	2.475	32.064	0.068
424.29	82.90	77.16	70.34	57.77	52.60	50.67	40.22	1.206	1.296	1.422	1.731	1.901	1.974	2.486	32.312	0.069
424.50	82.56	76.89	70.10	57.46	52.29	50.40	39.92	1.211	1.301	1.427	1.740	1.912	1.984	2.505	32.603	0.069
424.70	82.39	76.70	69.90	57.30	52.19	50.34	39.75	1.214	1.304	1.431	1.745	1.916	1.987	2.516	32.744	0.070
424.91	82.19	76.47	69.72	57.12	51.99	50.21	39.58	1.217	1.308	1.434	1.751	1.923	1.992	2.527	32.919	0.070
425.11	82.00	76.27	69.60	56.95	51.77	50.06	39.47	1.219	1.311	1.437	1.756	1.931	1.997	2.534	33.072	0.070
425.31	81.84	76.15	69.49	56.83	51.57	49.97	39.41	1.222	1.313	1.439	1.760	1.939	2.001	2.537	33.185	0.071
425.52	81.52	75.91	69.22	56.62	51.30	49.75	39.21	1.227	1.317	1.445	1.766	1.949	2.010	2.550	33.417	0.071
425.72	81.33	75.68	69.02	56.43	51.11	49.59	39.05	1.230	1.321	1.449	1.772	1.956	2.016	2.561	33.598	0.071
425.93	81.14	75.49	68.81	56.27	51.00	49.54	38.94	1.232	1.325	1.453	1.777	1.961	2.019	2.568	33.724	0.072
426.13	80.78	75.12	68.54	56.01	50.79	49.37	38.77	1.238	1.331	1.459	1.786	1.969	2.026	2.580	33.945	0.072
426.34	80.52	74.88	68.30	55.86	50.55	49.18	38.62	1.242	1.335	1.464	1.790	1.978	2.033	2.589	34.139	0.073
426.54	80.35	74.71	68.14	55.77	50.37	49.00	38.48	1.245	1.338	1.468	1.793	1.985	2.041	2.599	34.294	0.073
426.75	80.16	74.48	67.97	55.65	50.25	48.88	38.36	1.247	1.343	1.471	1.797	1.990	2.046	2.607	34.436	0.073
426.95	80.01	74.39	67.89	55.53	50.16	48.81	38.28	1.250	1.344	1.473	1.801	1.994	2.049	2.612	34.524	0.073
427.16	79.73	74.16	67.67	55.35	50.01	48.66	38.13	1.254	1.348	1.478	1.807	2.000	2.055	2.623	34.699	0.074
427.36	79.48	73.93	67.49	55.16	49.84	48.48	38.00	1.258	1.353	1.482	1.813	2.006	2.063	2.632	34.877	0.074
427.56	79.32	73.78	67.34	55.09	49.79	48.42	37.87	1.261	1.355	1.485	1.815	2.008	2.065	2.641	34.977	0.074
427.77	79.17	73.68	67.21	54.94	49.65	48.27	37.77	1.263	1.357	1.488	1.820	2.014	2.072	2.648	35.112	0.075
427.97	78.94	73.53	67.07	54.85	49.56	48.16	37.66	1.267	1.360	1.491	1.823	2.018	2.077	2.655	35.231	0.075
428.18	78.69	73.30	66.83	54.64	49.38	48.00	37.54	1.271	1.364	1.496	1.830	2.025	2.083	2.664	35.410	0.075
428.38	78.53	73.22	66.75	54.57	49.29	47.92	37.50	1.273	1.366	1.498	1.833	2.029	2.087	2.667	35.487	0.076
428.59	78.38	73.10	66.61	54.48	49.18	47.83	37.39	1.276	1.368	1.501	1.836	2.033	2.091			

429.61	77.53	72.31	65.84	53.94	48.69	47.35	36.94	1.290	1.383	1.519	1.854	2.054	2.112	2.707	36.169	0.077
429.81	77.34	72.13	65.71	53.82	48.61	47.24	36.88	1.293	1.386	1.522	1.858	2.057	2.117	2.712	36.276	0.077
430.02	77.11	71.96	65.55	53.70	48.48	47.11	36.77	1.297	1.390	1.526	1.862	2.063	2.123	2.720	36.414	0.077
430.22	76.95	71.82	65.44	53.61	48.39	46.99	36.71	1.300	1.392	1.528	1.865	2.066	2.128	2.724	36.514	0.078
430.43	76.78	71.66	65.30	53.52	48.31	46.90	36.65	1.302	1.395	1.531	1.869	2.070	2.132	2.729	36.614	0.078
430.63	76.63	71.53	65.19	53.43	48.22	46.84	36.56	1.305	1.398	1.534	1.872	2.074	2.135	2.735	36.709	0.078
430.83	76.50	71.40	65.07	53.33	48.14	46.78	36.49	1.307	1.401	1.537	1.875	2.077	2.138	2.740	36.798	0.078
431.04	76.36	71.26	64.94	53.23	48.03	46.71	36.43	1.310	1.403	1.540	1.879	2.082	2.141	2.745	36.899	0.079
431.24	76.23	71.13	64.81	53.15	47.92	46.65	36.37	1.312	1.406	1.543	1.882	2.087	2.143	2.749	36.988	0.079
431.45	76.14	71.06	64.77	53.10	47.85	46.62	36.33	1.313	1.407	1.544	1.883	2.090	2.145	2.753	37.041	0.079
431.65	76.02	70.94	64.67	53.02	47.77	46.53	36.27	1.316	1.410	1.546	1.886	2.094	2.149	2.757	37.127	0.079
431.85	75.89	70.83	64.59	52.91	47.68	46.44	36.22	1.318	1.412	1.548	1.890	2.097	2.154	2.761	37.220	0.079
432.06	75.78	70.67	64.47	52.85	47.60	46.38	36.16	1.320	1.415	1.551	1.892	2.101	2.156	2.766	37.303	0.079
432.26	75.66	70.57	64.36	52.76	47.51	46.31	36.12	1.322	1.417	1.554	1.895	2.105	2.159	2.768	37.380	0.080
432.47	75.54	70.48	64.30	52.72	47.47	46.25	36.11	1.324	1.419	1.555	1.897	2.107	2.162	2.770	37.429	0.080
432.67	75.42	70.34	64.20	52.62	47.39	46.19	36.05	1.326	1.422	1.558	1.900	2.110	2.165	2.774	37.515	0.080
432.88	75.33	70.25	64.13	52.58	47.34	46.13	36.02	1.328	1.423	1.559	1.902	2.112	2.168	2.777	37.570	0.080
433.08	75.22	70.15	64.04	52.51	47.28	46.06	35.98	1.329	1.425	1.562	1.904	2.115	2.171	2.779	37.636	0.080
433.28	75.14	70.06	63.96	52.48	47.24	46.03	35.96	1.331	1.427	1.563	1.905	2.117	2.172	2.781	37.678	0.080
433.49	75.03	69.97	63.88	52.41	47.17	45.97	35.91	1.333	1.429	1.565	1.908	2.120	2.176	2.785	37.752	0.080
433.69	74.94	69.89	63.83	52.38	47.09	45.91	35.88	1.334	1.431	1.567	1.909	2.124	2.178	2.787	37.807	0.080
433.90	74.86	69.82	63.76	52.34	47.05	45.89	35.87	1.336	1.432	1.568	1.910	2.126	2.179	2.788	37.843	0.081
434.10	74.77	69.74	63.69	52.29	46.98	45.84	35.82	1.337	1.434	1.570	1.912	2.129	2.181	2.792	37.909	0.081
434.30	74.69	69.64	63.62	52.24	46.91	45.81	35.78	1.339	1.436	1.572	1.914	2.132	2.183	2.795	37.965	0.081
434.51	74.56	69.50	63.50	52.17	46.84	45.74	35.73	1.341	1.439	1.575	1.917	2.135	2.186	2.799	38.047	0.081
434.71	74.50	69.46	63.46	52.14	46.79	45.72	35.70	1.342	1.440	1.576	1.918	2.137	2.187	2.801	38.083	0.081
434.92	74.41	69.40	63.41	52.09	46.75	45.68	35.67	1.344	1.441	1.577	1.920	2.139	2.189	2.803	38.129	0.081
435.12	74.33	69.32	63.35	52.05	46.70	45.64	35.65	1.345	1.443	1.578	1.921	2.141	2.191	2.805	38.175	0.081
435.32	74.22	69.24	63.30	52.00	46.66	45.61	35.62	1.347	1.444	1.580	1.923	2.143	2.193	2.807	38.221	0.081
435.53	74.12	69.15	63.24	51.96	46.62	45.55	35.59	1.349	1.446	1.581	1.925	2.145	2.195	2.810	38.276	0.081
435.73	74.00	69.06	63.15	51.91	46.57	45.49	35.55	1.351	1.448	1.584	1.926	2.148	2.198	2.813	38.340	0.082
435.94	73.91	68.98	63.08	51.87	46.53	45.46	35.52	1.353	1.450	1.585	1.928	2.149	2.200	2.816	38.386	0.082
436.14	73.82	68.90	63.00	51.84	46.49	45.42	35.50	1.355	1.451	1.587	1.929	2.151	2.202	2.817	38.428	0.082
436.34	73.75	68.83	62.95	51.80	46.45	45.38	35.48	1.356	1.453	1.589	1.931	2.153	2.204	2.819	38.472	0.082
436.55	73.67	68.77	62.89	51.77	46.43	45.36	35.44	1.357	1.454	1.590	1.932	2.154	2.204	2.821	38.509	0.082
436.75	73.58	68.68	62.83	51.72	46.38	45.33	35.40	1.359	1.456	1.592	1.934	2.156	2.206	2.825	38.564	0.082
436.96	73.52	68.63	62.77	51.69	46.35	45.30	35.38	1.360	1.457	1.593	1.934	2.158	2.207	2.827	38.599	0.082
437.16	73.43	68.54	62.71	51.64	46.30	45.27	35.36	1.362	1.459	1.595	1.937	2.160	2.209	2.828	38.646	0.082
437.36	73.33	68.46	62.65	51.60	46.27	45.24	35.32	1.364	1.461	1.596	1.938	2.161	2.210	2.831	38.690	0.082
437.57	73.22	68.38	62.58	51.55	46.21	45.20	35.29	1.366	1.462	1.598	1.940	2.164	2.213	2.834	38.748	0.082
437.77	73.15	68.32	62.52	51.52	46.19	45.19	35.28	1.367	1.464	1.599	1.941	2.165	2.213	2.834	38.774	0.082
437.98	73.06	68.26	62.46	51.48	46.17	45.18	35.26	1.369	1.465	1.601	1.943	2.166	2.213	2.836	38.804	0.083
438.18	72.98	68.19	62.41	51.44	46.13	45.14	35.24	1.370	1.467	1.602	1.944	2.168	2.215	2.838	38.848	0.083
438.38	72.89	68.12	62.35	51.40	46.11	45.12	35.22	1.372	1.468	1.604	1.945	2.169	2.216	2.839	38.883	0.083
438.59	72.80	68.05	62.29	51.37	46.09	45.10	35.21	1.374	1.470	1.605	1.947	2.170	2.217	2.840	38.914	0.083
438.79	72.74	68.00	62.24	51.34	46.05	45.08	35.18	1.375	1.471	1.607	1.948	2.172	2.218	2.842	38.948	0.083
438.99	72.64	67.92	62.19	51.29	46.01	45.04	35.16	1.377	1.472	1.608	1.950	2.174	2.220	2.844	38.996	0.083
439.20	72.56	67.84	62.12	51.26	45.97	45.02	35.13	1.378	1.474	1.610	1.951	2.175	2.221	2.846	39.036	0.083
439.40	72.48	67.78	62.07	51.24	45.95	45.00	35.12	1.380	1.475	1.611	1.952	2.176	2.222	2.847	39.065	0.083
439.61	72.40	67.70	62.01	51.21	45.91	44.98	35.10	1.381	1.477	1.613	1.953	2.178	2.223	2.849	39.102	0.083
439.81	72.33	67.62	61.95	51.17	45.88	44.95	35.09	1.383	1.479	1.614	1.954	2.180	2.225	2.850	39.138	0.083
440.01	72.27	67.55	61.90	51.14	45.85	44.93	35.07	1.384	1.480	1.616	1.956	2.181	2.226	2.851	39.172	0.083
440.22	72.19	67.49	61.84	51.10	45.81	44.91	35.06	1.385	1.482	1.617	1.957	2.183	2.227	2.852	39.206	0.083
440.42	72.10	67.42	61.79	51.06	45.78	44.88	35.04	1.387	1.483	1.618	1.958	2.184	2.228	2.854	39.245	0.084
440.62	72.02	67.35	61.72	51.03	45.74	44.86	35.03	1.389	1.485	1.620	1.960	2.186	2.229	2.855	39.282	0.084
440.83	71.95	67.29	61.66	51.00	45.71	44.83	35.02	1.390	1.486	1.622	1.961	2.188	2.231	2.856	39.315	0.084
441.03	71.88	67.24	61.61	50.98	45.68	44.82	35.00	1.391	1.487	1.623	1.962	2.189	2.231	2.857	39.343	0.084
441.24	71.80	67.17	61.56	50.95	45.65	44.79	34.99	1.393	1.489	1.625	1.963	2.190	2.233	2.858	39.376	0.084
441.44	71.72	67.11	61.50	50.92	45.62	44.77	34.96	1.394	1.490	1.626	1.964	2.192	2.234	2.860	39.414	0.084
441.64	71.65	67.03	61.44	50.89	45.58	44.75	34.95	1.396	1.492	1.628	1.965	2.194	2.235	2.861	39.450	0.084
441.85	71.58	66.98	61.39	50.86	45.56	44.73	34.94	1.397	1.493	1.629	1.966	2.195	2.236	2.862	39.476	0.084
442.05	71.51	66.91	61.34	50.84	45.53	44.70	34.91	1.398	1.495	1.630	1.967	2.196	2.237	2.864	39.513	0.084
442.25	71.42	66.82	61.26	50.81	45.49	44.67	34.89	1.400	1.496	1.632	1.968	2.198	2.239	2.866	39.558	0.084
442.46	71.36	66.77	61.22	50.79	45.47	44.65	34.89	1.401	1.498	1.633	1.969	2.199	2.240	2.866	39.581	0.084
442.66	71.28	66.72	61.17	50.77	45.44	44.63	34.88	1.403	1.499	1.635	1.970	2.201	2.240	2.867	39.608	0.084
442.86	71.23	66.66	61.12	50.75	45.42	44.61	34.86	1.404	1.500	1.636	1.971	2.202	2.241	2.869	39.637	0.084
443.07	71.16	66.60	61.07	50.72	45.40	44.60	34.85	1.405	1.501	1.637	1.972	2.203	2.242	2.869	39.661	0.084
443.27	71.10	66.55	61.03	50.70	45.38	44.59	34.84	1.406	1.503	1.639	1.972	2.203	2.243	2.870	39.685	0.084
443.48	71.04	66.50	60.99	50.69	45.36	44.57	34.84	1.408	1.504	1.640	1.973	2.204	2.244	2.870	39.705	0.084
443.68	70.98	66.44	60.93	50.66	45.33	44.56	34.82	1.409	1.505	1.641	1.974	2.206	2.244			

444.70	70.71	66.22	60.75	50.59	45.25	44.53	34.81	1.414	1.510	1.646	1.977	2.210	2.246	2.873	39.819	0.085
444.90	70.67	66.19	60.73	50.58	45.24	44.53	34.81	1.415	1.511	1.647	1.977	2.210	2.246	2.873	39.828	0.085
445.10	70.62	66.15	60.70	50.57	45.23	44.52	34.80	1.416	1.512	1.648	1.977	2.211	2.246	2.873	39.841	0.085
445.31	70.59	66.11	60.68	50.57	45.22	44.52	34.81	1.417	1.513	1.648	1.977	2.211	2.246	2.873	39.845	0.085
445.51	70.55	66.09	60.66	50.57	45.22	44.53	34.82	1.417	1.513	1.649	1.977	2.211	2.246	2.872	39.845	0.085
445.71	70.53	66.07	60.65	50.58	45.22	44.54	34.83	1.418	1.514	1.649	1.977	2.211	2.245	2.871	39.840	0.085
445.92	70.50	66.05	60.64	50.58	45.23	44.54	34.84	1.419	1.514	1.649	1.977	2.211	2.245	2.870	39.840	0.085
446.12	70.49	66.04	60.64	50.60	45.24	44.56	34.86	1.419	1.514	1.649	1.976	2.210	2.244	2.869	39.822	0.085
446.32	70.47	66.04	60.64	50.61	45.25	44.58	34.88	1.419	1.514	1.649	1.976	2.210	2.243	2.867	39.807	0.085
446.53	70.47	66.04	60.65	50.63	45.27	44.61	34.90	1.419	1.514	1.649	1.975	2.209	2.242	2.865	39.785	0.085
446.73	70.46	66.04	60.65	50.65	45.28	44.63	34.92	1.419	1.514	1.649	1.974	2.209	2.241	2.864	39.772	0.085
446.93	70.46	66.03	60.65	50.67	45.29	44.65	34.94	1.419	1.514	1.649	1.974	2.208	2.240	2.862	39.752	0.085
447.14	70.45	66.03	60.66	50.69	45.30	44.67	34.97	1.420	1.514	1.649	1.973	2.207	2.239	2.860	39.732	0.085
447.34	70.45	66.05	60.68	50.73	45.34	44.70	35.00	1.419	1.514	1.648	1.971	2.206	2.237	2.857	39.696	0.084
447.54	70.48	66.07	60.71	50.77	45.38	44.75	35.04	1.419	1.514	1.647	1.970	2.204	2.235	2.854	39.653	0.084
447.75	70.50	66.10	60.74	50.82	45.42	44.79	35.07	1.418	1.513	1.646	1.968	2.202	2.233	2.851	39.611	0.084
447.95	70.52	66.13	60.78	50.86	45.46	44.83	35.11	1.418	1.512	1.645	1.966	2.200	2.231	2.848	39.565	0.084
448.15	70.56	66.17	60.82	50.92	45.51	44.88	35.16	1.417	1.511	1.644	1.964	2.198	2.228	2.844	39.510	0.084
448.36	70.59	66.21	60.87	50.96	45.56	44.93	35.20	1.417	1.510	1.643	1.962	2.195	2.225	2.841	39.456	0.084
448.56	70.63	66.25	60.91	51.02	45.61	44.99	35.25	1.416	1.509	1.642	1.960	2.193	2.223	2.837	39.401	0.084
448.76	70.69	66.32	60.98	51.10	45.68	45.06	35.31	1.415	1.508	1.640	1.957	2.189	2.219	2.832	39.323	0.084
448.97	70.75	66.39	61.06	51.17	45.76	45.13	35.37	1.413	1.506	1.638	1.954	2.185	2.216	2.827	39.243	0.083
449.17	70.81	66.46	61.13	51.25	45.84	45.21	35.43	1.412	1.505	1.636	1.951	2.182	2.212	2.822	39.161	0.083
449.37	70.89	66.55	61.22	51.34	45.92	45.29	35.51	1.411	1.503	1.633	1.948	2.178	2.208	2.816	39.068	0.083
449.58	70.96	66.63	61.31	51.42	46.00	45.38	35.58	1.409	1.501	1.631	1.945	2.174	2.204	2.811	38.978	0.083
449.78	71.05	66.72	61.40	51.52	46.09	45.47	35.66	1.408	1.499	1.629	1.941	2.170	2.199	2.804	38.879	0.083
449.98	71.14	66.83	61.50	51.62	46.19	45.57	35.75	1.406	1.496	1.626	1.937	2.165	2.195	2.798	38.771	0.082
450.19	71.25	66.94	61.61	51.73	46.30	45.67	35.84	1.404	1.494	1.623	1.933	2.160	2.189	2.790	38.654	0.082
450.39	71.34	67.04	61.72	51.83	46.40	45.77	35.92	1.402	1.492	1.620	1.929	2.155	2.185	2.784	38.547	0.082
450.59	71.46	67.16	61.84	51.95	46.51	45.88	36.02	1.399	1.489	1.617	1.925	2.150	2.180	2.776	38.425	0.082
450.79	71.59	67.29	61.96	52.07	46.63	46.00	36.12	1.397	1.486	1.614	1.921	2.145	2.174	2.768	38.298	0.081
451.00	71.72	67.43	62.11	52.21	46.76	46.13	36.23	1.394	1.483	1.610	1.915	2.138	2.168	2.760	38.154	0.081
451.20	71.88	67.59	62.27	52.35	46.90	46.26	36.35	1.391	1.480	1.606	1.910	2.132	2.162	2.751	38.005	0.081
451.40	72.02	67.74	62.42	52.49	47.05	46.40	36.46	1.388	1.476	1.602	1.905	2.126	2.155	2.743	37.857	0.081
451.61	72.19	67.91	62.58	52.64	47.19	46.54	36.59	1.385	1.473	1.598	1.900	2.119	2.148	2.733	37.700	0.080
451.81	72.37	68.10	62.77	52.80	47.35	46.70	36.72	1.382	1.469	1.593	1.894	2.112	2.141	2.723	37.530	0.080
452.01	72.56	68.29	62.96	52.97	47.51	46.87	36.86	1.378	1.464	1.588	1.888	2.105	2.134	2.713	37.351	0.079
452.22	72.73	68.48	63.14	53.13	47.67	47.02	37.00	1.375	1.460	1.584	1.882	2.098	2.127	2.703	37.181	0.079
452.42	72.95	68.69	63.35	53.32	47.85	47.20	37.15	1.371	1.456	1.579	1.876	2.090	2.119	2.692	36.986	0.079
452.62	73.24	68.97	63.62	53.57	48.09	47.43	37.34	1.365	1.450	1.572	1.867	2.080	2.108	2.678	36.737	0.078
452.83	73.53	69.27	63.91	53.82	48.33	47.67	37.54	1.360	1.444	1.565	1.858	2.069	2.098	2.664	36.481	0.078
453.03	73.81	69.55	64.18	54.05	48.56	47.89	37.73	1.355	1.438	1.558	1.850	2.059	2.088	2.651	36.241	0.077
453.23	74.12	69.86	64.48	54.32	48.80	48.13	37.94	1.349	1.431	1.551	1.841	2.049	2.078	2.636	35.978	0.077
453.43	74.49	70.23	64.83	54.63	49.10	48.42	38.17	1.342	1.424	1.543	1.831	2.037	2.065	2.620	35.670	0.076
453.64	74.82	70.55	65.13	54.90	49.36	48.67	38.38	1.337	1.418	1.535	1.822	2.026	2.054	2.605	35.402	0.075
453.84	75.23	70.96	65.53	55.23	49.68	48.99	38.65	1.329	1.409	1.526	1.811	2.013	2.041	2.587	35.067	0.075
454.04	75.56	71.29	65.84	55.51	49.95	49.24	38.87	1.323	1.403	1.519	1.802	2.002	2.031	2.573	34.795	0.074
454.25	75.95	71.67	66.20	55.83	50.25	49.54	39.12	1.317	1.395	1.510	1.791	1.990	2.018	2.557	34.482	0.073
454.45	76.33	72.04	66.56	56.14	50.55	49.83	39.36	1.310	1.388	1.502	1.781	1.978	2.007	2.541	34.180	0.073
454.65	76.71	72.41	66.92	56.45	50.85	50.12	39.60	1.304	1.381	1.494	1.771	1.967	1.995	2.525	33.877	0.072
454.85	77.09	72.79	67.28	56.76	51.15	50.41	39.85	1.297	1.374	1.486	1.762	1.955	1.984	2.509	33.576	0.071
455.06	77.44	73.15	67.62	57.06	51.44	50.69	40.08	1.291	1.367	1.479	1.753	1.944	1.973	2.495	33.291	0.071
455.26	77.77	73.49	67.94	57.32	51.71	50.94	40.31	1.286	1.361	1.472	1.744	1.934	1.963	2.481	33.027	0.070
455.46	78.17	73.88	68.32	57.65	52.03	51.25	40.57	1.279	1.353	1.464	1.735	1.922	1.951	2.465	32.712	0.070
455.67	78.53	74.24	68.66	57.94	52.32	51.52	40.81	1.273	1.347	1.456	1.726	1.911	1.941	2.451	32.432	0.069
455.87	78.86	74.57	68.98	58.22	52.59	51.78	41.03	1.268	1.341	1.450	1.718	1.901	1.931	2.437	32.168	0.068
456.07	79.21	74.92	69.30	58.51	52.87	52.05	41.26	1.262	1.335	1.443	1.709	1.891	1.921	2.424	31.896	0.068
456.27	79.53	75.24	69.60	58.77	53.13	52.30	41.48	1.257	1.329	1.437	1.701	1.882	1.912	2.411	31.649	0.067
456.48	79.83	75.54	69.89	59.03	53.38	52.54	41.68	1.253	1.324	1.431	1.694	1.873	1.903	2.399	31.409	0.067
456.68	80.06	75.78	70.12	59.23	53.59	52.73	41.85	1.249	1.320	1.426	1.688	1.866	1.897	2.389	31.219	0.066
456.88	80.21	75.94	70.27	59.36	53.73	52.85	41.98	1.247	1.317	1.423	1.685	1.861	1.892	2.382	31.091	0.066
457.09	80.34	76.07	70.40	59.47	53.86	52.96	42.09	1.245	1.315	1.420	1.681	1.857	1.888	2.376	30.973	0.066
457.29	80.46	76.21	70.54	59.60	53.99	53.08	42.21	1.243	1.312	1.418	1.678	1.852	1.884	2.369	30.854	0.066
457.49	80.59	76.35	70.67	59.71	54.12	53.20	42.32	1.241	1.310	1.415	1.675	1.848	1.880	2.363	30.740	0.065
457.69	80.65	76.42	70.74	59.77	54.21	53.27	42.39	1.240	1.309	1.414	1.673	1.845	1.877	2.359	30.668	0.065
457.90	80.74	76.52	70.84	59.85	54.31	53.36	42.48	1.239	1.307	1.412	1.671	1.841	1.874	2.354	30.581	0.065
458.10	80.74	76.54	70.86	59.88	54.35	53.39	42.53	1.239	1.307	1.411	1.670	1.840	1.873	2.351	30.547	0.065
458.30	80.82	76.63	70.95	59.96	54.44	53.48	42.61	1.237	1.305	1.410	1.668	1.837	1.870	2.347	30.467	0.065
458.50	80.84	76.67	70.99	59.98	54.50	53.51	42.66	1.237	1.304	1.409	1.667	1.835	1.869	2.344	30.428	0.065
458.71	80.88	76.73	71.04	60.02	54.56	53.56	42.72	1.236	1.303	1.408	1.666	1.833	1.867			

459.72	81.05	76.96	71.28	60.21	54.86	53.80	42.99	1.234	1.299	1.403	1.661	1.823	1.859	2.326	30.138	0.064
459.92	81.11	77.02	71.34	60.26	54.93	53.85	43.05	1.233	1.298	1.402	1.659	1.821	1.857	2.323	30.081	0.064
460.13	81.17	77.10	71.41	60.32	55.00	53.91	43.12	1.232	1.297	1.400	1.658	1.818	1.855	2.319	30.019	0.064
460.33	81.20	77.14	71.45	60.34	55.05	53.95	43.17	1.232	1.296	1.400	1.657	1.817	1.854	2.317	29.980	0.064
460.53	81.27	77.21	71.53	60.39	55.12	54.01	43.24	1.230	1.295	1.398	1.656	1.814	1.852	2.313	29.915	0.064
460.73	81.35	77.31	71.62	60.46	55.21	54.08	43.31	1.229	1.294	1.396	1.654	1.811	1.849	2.309	29.843	0.063
460.94	81.49	77.45	71.75	60.56	55.33	54.19	43.41	1.227	1.291	1.394	1.651	1.807	1.845	2.304	29.736	0.063
461.14	81.64	77.61	71.90	60.69	55.47	54.31	43.53	1.225	1.289	1.391	1.648	1.803	1.841	2.297	29.614	0.063
461.34	81.81	77.79	72.07	60.82	55.61	54.44	43.65	1.222	1.286	1.388	1.644	1.798	1.837	2.291	29.485	0.063
461.54	81.99	77.97	72.25	60.96	55.76	54.58	43.78	1.220	1.283	1.384	1.640	1.793	1.832	2.284	29.349	0.062
461.75	82.14	78.13	72.40	61.08	55.90	54.70	43.89	1.217	1.280	1.381	1.637	1.789	1.828	2.278	29.229	0.062
461.95	82.30	78.29	72.55	61.19	56.03	54.82	44.00	1.215	1.277	1.378	1.634	1.785	1.824	2.273	29.114	0.062
462.15	82.48	78.47	72.72	61.33	56.18	54.95	44.13	1.212	1.274	1.375	1.630	1.780	1.820	2.266	28.979	0.062
462.35	82.66	78.65	72.88	61.46	56.33	55.08	44.25	1.210	1.272	1.372	1.627	1.775	1.815	2.260	28.853	0.061
462.56	82.84	78.83	73.05	61.60	56.48	55.22	44.37	1.207	1.269	1.369	1.623	1.770	1.811	2.254	28.721	0.061
462.76	83.00	79.00	73.21	61.73	56.63	55.34	44.49	1.205	1.266	1.366	1.620	1.766	1.807	2.248	28.598	0.061
462.96	83.17	79.17	73.37	61.85	56.77	55.47	44.61	1.202	1.263	1.363	1.617	1.762	1.803	2.242	28.474	0.061
463.16	83.34	79.34	73.53	61.98	56.90	55.59	44.72	1.200	1.260	1.360	1.614	1.757	1.799	2.236	28.353	0.060
463.36	83.49	79.50	73.68	62.10	57.03	55.71	44.84	1.198	1.258	1.357	1.610	1.753	1.795	2.230	28.237	0.060
463.57	83.65	79.66	73.83	62.22	57.17	55.83	44.95	1.195	1.255	1.354	1.607	1.749	1.791	2.225	28.119	0.060
463.77	83.82	79.83	73.99	62.35	57.31	55.96	45.07	1.193	1.253	1.352	1.604	1.745	1.787	2.219	27.998	0.060
463.97	83.97	79.99	74.13	62.47	57.44	56.07	45.18	1.191	1.250	1.349	1.601	1.741	1.783	2.214	27.887	0.059
464.17	84.11	80.14	74.27	62.58	57.56	56.19	45.28	1.189	1.248	1.346	1.598	1.737	1.780	2.208	27.779	0.059
464.38	84.26	80.30	74.42	62.69	57.69	56.30	45.39	1.187	1.245	1.344	1.595	1.733	1.776	2.203	27.670	0.059
464.58	84.40	80.45	74.55	62.80	57.81	56.41	45.49	1.185	1.243	1.341	1.592	1.730	1.773	2.198	27.567	0.059
464.78	84.52	80.57	74.66	62.90	57.92	56.51	45.58	1.183	1.241	1.339	1.590	1.728	1.770	2.194	27.476	0.058
464.98	84.64	80.70	74.78	62.99	58.04	56.61	45.68	1.181	1.239	1.337	1.587	1.723	1.766	2.189	27.381	0.058
465.19	84.76	80.81	74.89	63.09	58.14	56.71	45.77	1.180	1.237	1.335	1.585	1.720	1.763	2.185	27.290	0.058
465.39	84.87	80.94	75.01	63.18	58.24	56.80	45.85	1.178	1.236	1.333	1.583	1.717	1.760	2.181	27.204	0.058
465.59	84.97	81.03	75.10	63.26	58.33	56.89	45.94	1.177	1.234	1.332	1.581	1.714	1.758	2.177	27.126	0.058
465.79	85.06	81.12	75.18	63.33	58.41	56.97	46.01	1.176	1.233	1.330	1.579	1.712	1.755	2.174	27.058	0.058
465.99	85.14	81.20	75.26	63.41	58.50	57.04	46.08	1.174	1.232	1.329	1.577	1.709	1.753	2.170	26.987	0.057
466.20	85.22	81.28	75.34	63.47	58.58	57.11	46.15	1.173	1.230	1.327	1.575	1.707	1.751	2.167	26.921	0.057
466.40	85.29	81.36	75.42	63.55	58.66	57.18	46.22	1.172	1.229	1.326	1.574	1.705	1.749	2.163	26.856	0.057
466.60	85.35	81.43	75.49	63.61	58.72	57.24	46.29	1.172	1.228	1.325	1.572	1.703	1.747	2.160	26.796	0.057
466.80	85.40	81.49	75.55	63.66	58.78	57.30	46.36	1.171	1.227	1.324	1.571	1.701	1.745	2.157	26.746	0.057
467.01	85.46	81.55	75.61	63.71	58.84	57.36	46.42	1.170	1.226	1.323	1.570	1.700	1.743	2.154	26.693	0.057
467.21	85.50	81.60	75.67	63.77	58.90	57.41	46.47	1.170	1.225	1.322	1.568	1.698	1.742	2.152	26.643	0.057
467.41	85.55	81.66	75.72	63.82	58.95	57.47	46.53	1.169	1.225	1.321	1.567	1.696	1.740	2.149	26.594	0.057
467.61	85.59	81.70	75.77	63.86	59.00	57.52	46.58	1.168	1.224	1.320	1.566	1.695	1.739	2.147	26.552	0.056
467.81	85.63	81.74	75.81	63.90	59.05	57.57	46.63	1.168	1.223	1.319	1.565	1.694	1.737	2.145	26.512	0.056
468.02	85.64	81.76	75.83	63.93	59.08	57.60	46.67	1.168	1.223	1.319	1.564	1.693	1.736	2.143	26.483	0.056
468.22	85.65	81.79	75.86	63.96	59.11	57.64	46.70	1.168	1.223	1.318	1.563	1.692	1.735	2.141	26.454	0.056
468.42	85.67	81.80	75.88	63.99	59.14	57.68	46.74	1.167	1.222	1.318	1.563	1.691	1.734	2.140	26.428	0.056
468.62	85.68	81.81	75.89	64.01	59.16	57.71	46.76	1.167	1.222	1.318	1.562	1.690	1.733	2.138	26.409	0.056
468.82	85.69	81.82	75.90	64.04	59.19	57.74	46.80	1.167	1.222	1.317	1.562	1.690	1.732	2.137	26.385	0.056
469.03	85.70	81.84	75.92	64.06	59.22	57.76	46.83	1.167	1.222	1.317	1.561	1.689	1.731	2.135	26.355	0.056
469.23	85.70	81.84	75.93	64.09	59.25	57.80	46.87	1.167	1.222	1.317	1.560	1.688	1.730	2.134	26.335	0.056
469.43	85.69	81.84	75.94	64.10	59.27	57.82	46.89	1.167	1.222	1.317	1.560	1.687	1.730	2.133	26.320	0.056
469.63	85.69	81.84	75.95	64.12	59.28	57.83	46.91	1.167	1.222	1.317	1.560	1.687	1.729	2.132	26.308	0.056
469.83	85.68	81.84	75.95	64.13	59.30	57.85	46.93	1.167	1.222	1.317	1.559	1.686	1.729	2.131	26.294	0.056
470.04	85.67	81.84	75.96	64.15	59.31	57.87	46.96	1.167	1.222	1.317	1.559	1.686	1.728	2.129	26.280	0.056
470.24	85.65	81.84	75.96	64.16	59.32	57.89	46.98	1.168	1.222	1.317	1.559	1.686	1.727	2.129	26.269	0.056
470.44	85.66	81.86	75.97	64.19	59.35	57.93	47.01	1.167	1.222	1.316	1.558	1.685	1.726	2.127	26.244	0.056
470.64	85.66	81.85	75.98	64.20	59.37	57.95	47.03	1.167	1.222	1.316	1.558	1.684	1.726	2.126	26.231	0.056
470.84	85.65	81.86	75.98	64.21	59.39	57.97	47.05	1.168	1.222	1.316	1.557	1.684	1.725	2.125	26.216	0.056
471.05	85.66	81.87	75.99	64.25	59.42	58.00	47.08	1.167	1.221	1.316	1.557	1.683	1.724	2.124	26.192	0.056
471.25	85.67	81.88	76.01	64.28	59.45	58.03	47.12	1.167	1.221	1.316	1.556	1.682	1.723	2.122	26.167	0.056
471.45	85.66	81.88	76.01	64.29	59.46	58.05	47.14	1.167	1.221	1.316	1.556	1.682	1.723	2.121	26.155	0.056
471.65	85.63	81.86	76.00	64.29	59.46	58.07	47.15	1.168	1.222	1.316	1.556	1.682	1.722	2.121	26.151	0.056
471.85	85.63	81.87	76.02	64.32	59.50	58.09	47.19	1.168	1.221	1.315	1.555	1.681	1.721	2.119	26.125	0.056
472.06	85.64	81.88	76.04	64.34	59.54	58.12	47.22	1.168	1.221	1.315	1.554	1.680	1.721	2.118	26.098	0.056
472.26	85.65	81.90	76.06	64.38	59.57	58.16	47.26	1.168	1.221	1.315	1.553	1.679	1.719	2.116	26.068	0.055
472.46	85.68	81.92	76.09	64.42	59.61	58.21	47.30	1.167	1.221	1.314	1.552	1.678	1.718	2.114	26.035	0.055
472.66	85.69	81.94	76.11	64.45	59.65	58.25	47.34	1.167	1.220	1.314	1.552	1.676	1.717	2.112	26.005	0.055
472.86	85.71	81.98	76.15	64.49	59.70	58.29	47.38	1.167	1.220	1.313	1.551	1.675	1.716	2.110	25.968	0.055
473.06	85.73	82.00	76.19	64.52	59.75	58.34	47.43	1.166	1.220	1.313	1.550	1.674	1.714	2.108	25.932	0.055
473.27	85.74	82.02	76.22	64.56	59.78	58.38	47.48	1.166	1.219	1.312	1.549	1.673	1.713	2.106	25.897	0.055
473.47	85.77	82.06	76.26	64.61	59.82	58.42	47.52	1.166	1.219	1.311	1.548	1.672	1.712	2.104	25.861	0.055
473.67	85.80	82.10	76.30	64.66	59.87	58.48	47.58	1.166	1.218	1.311	1.547	1.670	1.710			

474.68	86.04	82.38	76.60	64.96	60.18	58.80	47.88	1.162	1.214	1.305	1.539	1.662	1.701	2.088	25.549	0.054
474.88	86.10	82.45	76.66	65.03	60.24	58.86	47.95	1.162	1.213	1.305	1.538	1.660	1.699	2.085	25.493	0.054
475.08	86.17	82.52	76.73	65.10	60.32	58.94	48.03	1.161	1.212	1.303	1.536	1.658	1.697	2.082	25.429	0.054
475.28	86.23	82.59	76.80	65.16	60.40	59.01	48.10	1.160	1.211	1.302	1.535	1.656	1.695	2.079	25.367	0.054
475.49	86.29	82.66	76.87	65.22	60.47	59.09	48.17	1.159	1.210	1.301	1.533	1.654	1.692	2.076	25.307	0.054
475.69	86.38	82.76	76.96	65.32	60.57	59.18	48.25	1.158	1.208	1.299	1.531	1.651	1.690	2.072	25.227	0.054
475.89	86.47	82.85	77.05	65.40	60.67	59.26	48.34	1.157	1.207	1.298	1.529	1.648	1.687	2.069	25.150	0.054
476.09	86.55	82.95	77.15	65.49	60.76	59.36	48.43	1.155	1.205	1.296	1.527	1.646	1.685	2.065	25.071	0.053
476.29	86.64	83.05	77.25	65.59	60.86	59.45	48.52	1.154	1.204	1.295	1.525	1.643	1.682	2.061	24.990	0.053
476.49	86.70	83.12	77.32	65.66	60.94	59.53	48.58	1.153	1.203	1.293	1.523	1.641	1.680	2.058	24.928	0.053
476.69	86.79	83.21	77.41	65.74	61.03	59.62	48.67	1.152	1.202	1.292	1.521	1.638	1.677	2.055	24.852	0.053
476.90	86.89	83.30	77.50	65.84	61.12	59.71	48.76	1.151	1.200	1.290	1.519	1.636	1.675	2.051	24.775	0.053
477.10	86.98	83.40	77.59	65.93	61.22	59.80	48.85	1.150	1.199	1.289	1.517	1.634	1.672	2.047	24.697	0.053
477.30	87.08	83.50	77.70	66.03	61.32	59.91	48.94	1.148	1.198	1.287	1.514	1.631	1.669	2.043	24.609	0.052
477.50	87.17	83.60	77.78	66.12	61.41	60.00	49.03	1.147	1.196	1.286	1.512	1.628	1.667	2.039	24.531	0.052
477.70	87.28	83.72	77.90	66.23	61.52	60.10	49.12	1.146	1.194	1.284	1.510	1.625	1.664	2.036	24.444	0.052
477.90	87.38	83.83	78.00	66.32	61.62	60.19	49.21	1.144	1.193	1.282	1.508	1.623	1.661	2.032	24.364	0.052
478.11	87.47	83.93	78.11	66.42	61.72	60.29	49.31	1.143	1.191	1.280	1.506	1.620	1.659	2.028	24.279	0.052
478.31	87.56	84.03	78.20	66.51	61.83	60.38	49.40	1.142	1.190	1.279	1.503	1.617	1.656	2.024	24.199	0.051
478.51	87.66	84.14	78.32	66.61	61.93	60.48	49.50	1.141	1.188	1.277	1.501	1.615	1.653	2.020	24.111	0.051
478.71	87.76	84.24	78.42	66.70	62.03	60.59	49.59	1.139	1.187	1.275	1.499	1.612	1.650	2.016	24.028	0.051
478.91	87.86	84.35	78.52	66.80	62.12	60.68	49.69	1.138	1.186	1.274	1.497	1.610	1.648	2.013	23.948	0.051
479.11	87.95	84.45	78.62	66.90	62.22	60.77	49.77	1.137	1.184	1.272	1.495	1.607	1.645	2.009	23.870	0.051
479.31	88.04	84.55	78.73	66.99	62.32	60.87	49.85	1.136	1.183	1.270	1.493	1.605	1.643	2.006	23.791	0.051
479.52	88.13	84.67	78.84	67.09	62.43	60.98	49.95	1.135	1.181	1.268	1.491	1.602	1.640	2.002	23.705	0.050
479.72	88.22	84.76	78.94	67.19	62.53	61.07	50.04	1.133	1.180	1.267	1.488	1.599	1.638	1.998	23.626	0.050
479.92	88.29	84.82	79.02	67.26	62.61	61.15	50.11	1.133	1.179	1.266	1.487	1.597	1.635	1.996	23.564	0.050
480.12	88.39	84.93	79.13	67.36	62.71	61.25	50.22	1.131	1.177	1.264	1.485	1.595	1.633	1.991	23.475	0.050
480.32	88.47	85.01	79.20	67.43	62.80	61.33	50.29	1.130	1.176	1.263	1.483	1.592	1.630	1.988	23.411	0.050
480.52	88.52	85.07	79.25	67.49	62.86	61.40	50.35	1.130	1.176	1.262	1.482	1.591	1.629	1.986	23.359	0.050
480.72	88.62	85.16	79.35	67.59	62.95	61.50	50.44	1.128	1.174	1.260	1.480	1.589	1.626	1.982	23.283	0.050
480.92	88.70	85.24	79.44	67.68	63.04	61.59	50.54	1.127	1.173	1.259	1.478	1.586	1.624	1.979	23.207	0.049
481.13	88.75	85.32	79.52	67.74	63.13	61.65	50.61	1.127	1.172	1.258	1.476	1.584	1.622	1.976	23.146	0.049
481.33	88.81	85.39	79.58	67.81	63.21	61.72	50.69	1.126	1.171	1.257	1.475	1.582	1.620	1.973	23.087	0.049
481.53	88.86	85.45	79.66	67.88	63.28	61.79	50.76	1.125	1.170	1.255	1.473	1.580	1.618	1.970	23.028	0.049
481.73	88.93	85.53	79.75	67.95	63.37	61.88	50.83	1.124	1.169	1.254	1.472	1.578	1.616	1.967	22.961	0.049
481.93	88.99	85.58	79.80	68.01	63.45	61.96	50.91	1.124	1.169	1.253	1.470	1.576	1.614	1.964	22.903	0.049
482.13	89.05	85.63	79.86	68.08	63.52	62.03	50.98	1.123	1.168	1.252	1.469	1.574	1.612	1.962	22.848	0.049
482.33	89.13	85.71	79.94	68.15	63.61	62.11	51.06	1.122	1.167	1.251	1.467	1.572	1.610	1.959	22.781	0.048
482.53	89.18	85.77	80.00	68.20	63.68	62.19	51.12	1.121	1.166	1.250	1.466	1.570	1.608	1.956	22.726	0.048
482.74	89.21	85.82	80.03	68.27	63.74	62.25	51.19	1.121	1.165	1.250	1.465	1.569	1.606	1.954	22.679	0.048
482.94	89.23	85.87	80.08	68.32	63.81	62.30	51.26	1.121	1.165	1.249	1.464	1.567	1.605	1.951	22.628	0.048
483.14	89.27	85.92	80.14	68.38	63.88	62.37	51.33	1.120	1.164	1.248	1.462	1.566	1.603	1.948	22.578	0.048
483.34	89.31	85.97	80.20	68.44	63.95	62.43	51.40	1.120	1.163	1.247	1.461	1.564	1.602	1.945	22.523	0.048
483.54	89.34	86.00	80.23	68.50	64.01	62.49	51.47	1.119	1.163	1.246	1.460	1.562	1.600	1.943	22.476	0.048
483.74	89.37	85.99	80.26	68.55	64.04	62.54	51.52	1.119	1.163	1.246	1.459	1.561	1.599	1.941	22.445	0.048
483.94	89.36	86.01	80.28	68.59	64.08	62.58	51.57	1.119	1.163	1.246	1.458	1.561	1.598	1.939	22.413	0.048
484.14	89.39	86.07	80.32	68.64	64.13	62.63	51.64	1.119	1.162	1.245	1.457	1.559	1.597	1.937	22.368	0.048
484.35	89.40	86.08	80.34	68.68	64.17	62.68	51.68	1.119	1.162	1.245	1.456	1.558	1.595	1.935	22.338	0.048
484.55	89.41	86.10	80.37	68.72	64.21	62.72	51.73	1.118	1.161	1.244	1.455	1.557	1.594	1.933	22.305	0.047
484.75	89.44	86.15	80.42	68.77	64.26	62.77	51.79	1.118	1.161	1.243	1.454	1.556	1.593	1.931	22.263	0.047
484.95	89.47	86.19	80.48	68.81	64.32	62.83	51.86	1.118	1.160	1.243	1.453	1.555	1.592	1.928	22.216	0.047
485.15	89.47	86.21	80.49	68.85	64.38	62.87	51.91	1.118	1.160	1.242	1.452	1.553	1.591	1.926	22.182	0.047
485.35	89.50	86.22	80.51	68.89	64.41	62.92	51.95	1.117	1.160	1.242	1.452	1.553	1.589	1.925	22.152	0.047
485.55	89.51	86.23	80.53	68.94	64.45	62.97	52.00	1.117	1.160	1.242	1.451	1.552	1.588	1.923	22.118	0.047
485.75	89.52	86.27	80.56	68.96	64.47	63.02	52.05	1.117	1.159	1.241	1.450	1.551	1.587	1.921	22.088	0.047
485.95	89.53	86.29	80.60	69.00	64.51	63.04	52.10	1.117	1.159	1.241	1.449	1.550	1.586	1.919	22.057	0.047
486.15	89.51	86.29	80.61	69.01	64.52	63.08	52.13	1.117	1.159	1.241	1.449	1.550	1.585	1.918	22.040	0.047
486.36	89.48	86.30	80.62	69.03	64.55	63.10	52.16	1.118	1.159	1.240	1.449	1.549	1.585	1.917	22.024	0.047
486.56	89.46	86.27	80.61	69.04	64.57	63.12	52.19	1.118	1.159	1.241	1.449	1.549	1.584	1.916	22.012	0.047
486.76	89.46	86.29	80.63	69.06	64.60	63.15	52.22	1.118	1.159	1.240	1.448	1.548	1.583	1.915	21.992	0.047
486.96	89.45	86.27	80.65	69.07	64.61	63.18	52.26	1.118	1.159	1.240	1.448	1.548	1.583	1.914	21.973	0.047
487.16	89.47	86.28	80.68	69.12	64.65	63.23	52.28	1.118	1.159	1.239	1.447	1.547	1.582	1.913	21.948	0.047
487.36	89.47	86.28	80.69	69.15	64.68	63.26	52.32	1.118	1.159	1.239	1.446	1.546	1.581	1.911	21.922	0.047
487.56	89.44	86.27	80.70	69.15	64.70	63.29	52.35	1.118	1.159	1.239	1.446	1.546	1.580	1.910	21.910	0.047
487.76	89.45	86.29	80.72	69.18	64.73	63.31	52.39	1.118	1.159	1.239	1.446	1.545	1.579	1.909	21.886	0.047
487.96	89.45	86.32	80.76	69.20	64.78	63.37	52.42	1.118	1.158	1.238	1.445	1.544	1.578	1.908	21.855	0.047
488.16	89.47	86.34	80.77	69.25	64.83	63.41	52.45	1.118	1.158	1.238	1.444	1.542	1.577	1.906	21.826	0.046
488.36	89.47	86.32	80.77	69.28	64.86	63.45	52.49	1.118	1.158	1.238	1.443	1.542	1.576	1.905	21.804	0.046
488.57	89.46	86.34	80.79	69.31	64.88	63.47	52.54	1.118	1.158	1.238	1.443	1.541	1.576			

489.57	89.50	86.43	80.88	69.49	65.06	63.67	52.74	1.117	1.157	1.236	1.439	1.537	1.571	1.896	21.644	0.046
489.77	89.51	86.44	80.90	69.51	65.10	63.71	52.78	1.117	1.157	1.236	1.439	1.536	1.570	1.895	21.618	0.046
489.97	89.52	86.46	80.92	69.54	65.16	63.74	52.80	1.117	1.157	1.236	1.438	1.535	1.569	1.894	21.591	0.046
490.17	89.53	86.47	80.93	69.58	65.22	63.80	52.85	1.117	1.156	1.236	1.437	1.533	1.567	1.892	21.556	0.046
490.37	89.60	86.56	81.01	69.65	65.30	63.88	52.92	1.116	1.155	1.234	1.436	1.532	1.565	1.890	21.496	0.046
490.57	89.64	86.59	81.06	69.71	65.36	63.94	52.99	1.116	1.155	1.234	1.434	1.530	1.564	1.887	21.446	0.046
490.77	89.64	86.61	81.09	69.74	65.39	63.98	53.03	1.116	1.155	1.233	1.434	1.529	1.563	1.886	21.421	0.046
490.97	89.68	86.65	81.12	69.81	65.44	64.04	53.09	1.115	1.154	1.233	1.433	1.528	1.561	1.883	21.375	0.045
491.18	89.74	86.71	81.16	69.86	65.52	64.11	53.14	1.114	1.153	1.232	1.431	1.526	1.560	1.882	21.328	0.045
491.38	89.75	86.74	81.19	69.88	65.55	64.15	53.19	1.114	1.153	1.232	1.431	1.525	1.559	1.880	21.300	0.045
491.58	89.78	86.75	81.21	69.92	65.60	64.19	53.25	1.114	1.153	1.231	1.430	1.525	1.558	1.878	21.267	0.045
491.78	89.81	86.78	81.23	69.98	65.65	64.25	53.28	1.113	1.152	1.231	1.429	1.523	1.556	1.877	21.229	0.045
491.98	89.84	86.84	81.29	70.03	65.70	64.32	53.35	1.113	1.152	1.230	1.428	1.522	1.555	1.875	21.184	0.045
492.18	89.84	86.84	81.27	70.07	65.72	64.35	53.38	1.113	1.152	1.230	1.427	1.522	1.554	1.873	21.167	0.045
492.38	89.86	86.87	81.33	70.11	65.76	64.39	53.44	1.113	1.151	1.230	1.426	1.521	1.553	1.871	21.129	0.045
492.58	89.92	86.92	81.38	70.16	65.81	64.46	53.49	1.112	1.151	1.229	1.425	1.520	1.551	1.870	21.088	0.045
492.78	89.94	86.95	81.41	70.20	65.86	64.52	53.54	1.112	1.150	1.228	1.425	1.518	1.550	1.868	21.049	0.045
492.98	89.98	87.01	81.46	70.25	65.89	64.58	53.60	1.111	1.149	1.228	1.424	1.518	1.548	1.866	21.009	0.045
493.18	90.04	87.03	81.50	70.32	65.95	64.65	53.67	1.111	1.149	1.227	1.422	1.516	1.547	1.863	20.960	0.045
493.38	90.02	87.05	81.50	70.34	65.97	64.67	53.70	1.111	1.149	1.227	1.422	1.516	1.546	1.862	20.941	0.045
493.58	90.08	87.10	81.56	70.40	66.03	64.73	53.75	1.110	1.148	1.226	1.421	1.514	1.545	1.860	20.898	0.044
493.78	90.15	87.14	81.65	70.44	66.09	64.83	53.81	1.109	1.148	1.225	1.420	1.513	1.543	1.858	20.844	0.044
493.98	90.21	87.20	81.71	70.54	66.14	64.89	53.90	1.108	1.147	1.224	1.418	1.512	1.541	1.855	20.786	0.044
494.18	90.25	87.24	81.76	70.62	66.21	64.97	53.99	1.108	1.146	1.223	1.416	1.510	1.539	1.852	20.728	0.044
494.38	90.28	87.29	81.82	70.67	66.23	65.00	54.03	1.108	1.146	1.222	1.415	1.510	1.538	1.851	20.698	0.044
494.59	90.29	87.32	81.83	70.72	66.28	65.07	54.08	1.107	1.145	1.222	1.414	1.509	1.537	1.849	20.660	0.044
494.79	90.35	87.38	81.88	70.80	66.35	65.13	54.14	1.107	1.144	1.221	1.412	1.507	1.535	1.847	20.610	0.044
494.99	90.44	87.47	81.95	70.90	66.43	65.20	54.24	1.106	1.143	1.220	1.410	1.505	1.534	1.844	20.542	0.044
495.19	90.48	87.51	81.99	70.97	66.50	65.26	54.30	1.105	1.143	1.220	1.409	1.504	1.532	1.841	20.495	0.044
495.39	90.50	87.54	82.02	71.02	66.54	65.30	54.36	1.105	1.142	1.219	1.408	1.503	1.531	1.840	20.461	0.044
495.59	90.58	87.61	82.09	71.12	66.61	65.39	54.45	1.104	1.141	1.218	1.406	1.501	1.529	1.837	20.394	0.043
495.79	90.63	87.70	82.18	71.19	66.70	65.46	54.50	1.103	1.140	1.217	1.405	1.499	1.528	1.835	20.337	0.043
495.99	90.70	87.80	82.27	71.29	66.81	65.55	54.60	1.103	1.139	1.216	1.403	1.497	1.525	1.831	20.261	0.043
496.19	90.73	87.82	82.30	71.32	66.84	65.60	54.63	1.102	1.139	1.215	1.402	1.496	1.524	1.831	20.235	0.043
496.39	90.84	87.92	82.41	71.41	66.93	65.70	54.73	1.101	1.137	1.213	1.400	1.494	1.522	1.827	20.157	0.043
496.59	90.96	88.00	82.52	71.51	67.02	65.80	54.84	1.099	1.136	1.212	1.398	1.492	1.520	1.823	20.078	0.043
496.79	91.02	88.11	82.62	71.58	67.11	65.89	54.93	1.099	1.135	1.210	1.397	1.490	1.518	1.821	20.010	0.043
496.99	91.06	88.19	82.69	71.66	67.18	65.93	54.97	1.098	1.134	1.209	1.395	1.489	1.517	1.819	19.966	0.042
497.19	91.10	88.23	82.73	71.73	67.27	65.97	55.04	1.098	1.133	1.209	1.394	1.487	1.516	1.817	19.917	0.042
497.39	91.21	88.35	82.83	71.83	67.39	66.09	55.14	1.096	1.132	1.207	1.392	1.484	1.513	1.814	19.833	0.042
497.59	91.21	88.36	82.85	71.85	67.42	66.13	55.16	1.096	1.132	1.207	1.392	1.483	1.512	1.813	19.813	0.042
497.79	91.22	88.41	82.93	71.91	67.50	66.22	55.24	1.096	1.131	1.206	1.391	1.482	1.510	1.810	19.755	0.042
497.99	91.23	88.49	82.99	71.98	67.58	66.24	55.30	1.096	1.130	1.205	1.389	1.480	1.510	1.808	19.710	0.042
498.19	91.28	88.52	83.05	72.05	67.66	66.32	55.34	1.096	1.130	1.204	1.388	1.478	1.508	1.807	19.665	0.042
498.39	91.30	88.55	83.10	72.06	67.69	66.35	55.40	1.095	1.129	1.203	1.388	1.477	1.507	1.805	19.635	0.042
498.59	91.36	88.61	83.18	72.16	67.78	66.46	55.46	1.095	1.129	1.202	1.386	1.475	1.505	1.803	19.572	0.042
498.79	91.41	88.64	83.25	72.20	67.86	66.49	55.52	1.094	1.128	1.201	1.385	1.474	1.504	1.801	19.528	0.042
498.99	91.53	88.71	83.36	72.27	67.97	66.64	55.62	1.093	1.127	1.200	1.384	1.471	1.501	1.798	19.448	0.041
499.19	91.56	88.79	83.44	72.36	68.04	66.73	55.70	1.092	1.126	1.198	1.382	1.470	1.499	1.795	19.384	0.041
499.39	91.62	88.83	83.51	72.44	68.13	66.79	55.78	1.091	1.126	1.197	1.381	1.468	1.497	1.793	19.330	0.041
499.59	91.67	88.94	83.60	72.51	68.20	66.88	55.86	1.091	1.124	1.196	1.379	1.466	1.495	1.790	19.267	0.041
499.79	91.69	88.97	83.63	72.56	68.23	66.94	55.90	1.091	1.124	1.196	1.378	1.466	1.494	1.789	19.234	0.041
499.99	91.72	88.94	83.62	72.57	68.27	66.98	55.97	1.090	1.124	1.196	1.378	1.465	1.493	1.787	19.209	0.041
500.19	91.76	88.94	83.68	72.62	68.28	67.03	56.02	1.090	1.124	1.195	1.377	1.464	1.492	1.785	19.177	0.041
500.39	91.74	88.96	83.68	72.67	68.36	67.07	56.07	1.090	1.124	1.195	1.376	1.463	1.491	1.783	19.144	0.041
500.59	91.75	88.99	83.70	72.71	68.44	67.13	56.15	1.090	1.124	1.195	1.375	1.461	1.490	1.781	19.099	0.041
500.79	91.76	89.01	83.72	72.75	68.50	67.17	56.18	1.090	1.123	1.194	1.375	1.460	1.489	1.780	19.070	0.041
500.99	91.77	89.02	83.74	72.79	68.54	67.20	56.22	1.090	1.123	1.194	1.374	1.459	1.488	1.779	19.043	0.041
501.19	91.78	89.04	83.79	72.85	68.63	67.32	56.33	1.090	1.123	1.193	1.373	1.457	1.486	1.775	18.980	0.040
501.39	91.84	89.13	83.90	72.95	68.71	67.42	56.41	1.089	1.122	1.192	1.371	1.455	1.483	1.773	18.909	0.040
501.59	91.81	89.11	83.91	72.95	68.74	67.45	56.46	1.089	1.122	1.192	1.371	1.455	1.483	1.771	18.893	0.040
501.79	91.98	89.23	84.09	73.09	68.89	67.57	56.61	1.087	1.121	1.189	1.368	1.452	1.480	1.767	18.781	0.040
501.99	91.98	89.18	84.03	73.08	68.88	67.54	56.60	1.087	1.121	1.190	1.368	1.452	1.481	1.767	18.798	0.040
502.19	92.04	89.19	84.07	73.14	68.95	67.62	56.67	1.087	1.121	1.190	1.367	1.450	1.479	1.764	18.747	0.040
502.39	92.00	89.21	84.07	73.14	68.99	67.68	56.73	1.087	1.121	1.190	1.367	1.450	1.477	1.763	18.722	0.040
502.59	92.03	89.25	84.09	73.19	69.02	67.74	56.78	1.087	1.120	1.189	1.366	1.449	1.476	1.761	18.687	0.040
502.79	92.09	89.28	84.13	73.28	69.08	67.84	56.88	1.086	1.120	1.189	1.365	1.448	1.474	1.758	18.629	0.040
502.99	92.10	89.31	84.14	73.34	69.10	67.93	56.92	1.086	1.120	1.189	1.363	1.447	1.472	1.757	18.593	0.040
503.19	92.03	89.25	84.09	73.35	69.06	67.92	56.95	1.087	1.120	1.189	1.363	1.448	1.472	1.756	18.601	0.040
503.39	91.99	89.23	84.07	73.31	69.09	67.94	56.92	1.087	1.121	1.190	1.364	1.447	1.472			

504.39	92.02	89.23	84.12	73.48	69.32	68.07	57.14	1.087	1.121	1.189	1.361	1.443	1.469	1.750	18.486	0.039
504.59	92.17	89.35	84.25	73.63	69.42	68.17	57.25	1.085	1.119	1.187	1.358	1.441	1.467	1.747	18.399	0.039
504.79	92.20	89.41	84.29	73.65	69.44	68.21	57.25	1.085	1.118	1.186	1.358	1.440	1.466	1.747	18.381	0.039
504.99	92.10	89.37	84.23	73.66	69.45	68.21	57.28	1.086	1.119	1.187	1.358	1.440	1.466	1.746	18.383	0.039
505.19	92.13	89.38	84.25	73.69	69.48	68.25	57.32	1.085	1.119	1.187	1.357	1.439	1.465	1.745	18.357	0.039
505.39	92.24	89.48	84.38	73.77	69.54	68.30	57.41	1.084	1.118	1.185	1.356	1.438	1.464	1.742	18.295	0.039
505.59	92.25	89.48	84.39	73.77	69.56	68.28	57.40	1.084	1.118	1.185	1.356	1.438	1.465	1.742	18.299	0.039
505.79	92.24	89.47	84.37	73.78	69.53	68.27	57.34	1.084	1.118	1.185	1.355	1.438	1.465	1.744	18.317	0.039
505.99	92.18	89.43	84.30	73.78	69.55	68.30	57.39	1.085	1.118	1.186	1.355	1.438	1.464	1.743	18.309	0.039
506.19	92.20	89.53	84.41	73.83	69.61	68.40	57.48	1.085	1.117	1.185	1.354	1.437	1.462	1.740	18.247	0.039
506.39	92.25	89.60	84.49	73.90	69.66	68.47	57.56	1.084	1.116	1.184	1.353	1.436	1.460	1.737	18.194	0.039
506.59	92.33	89.66	84.54	73.98	69.74	68.52	57.61	1.083	1.115	1.183	1.352	1.434	1.459	1.736	18.149	0.039
506.79	92.42	89.71	84.62	74.07	69.89	68.61	57.70	1.082	1.115	1.182	1.350	1.431	1.458	1.733	18.076	0.038
506.99	92.42	89.66	84.57	74.04	69.93	68.55	57.74	1.082	1.115	1.182	1.351	1.430	1.459	1.732	18.079	0.038
507.19	92.37	89.59	84.60	74.01	69.96	68.57	57.77	1.083	1.116	1.182	1.351	1.429	1.458	1.731	18.071	0.038
507.39	92.44	89.69	84.69	74.14	70.05	68.61	57.81	1.082	1.115	1.181	1.349	1.428	1.458	1.730	18.020	0.038
507.59	92.45	89.69	84.70	74.17	70.06	68.57	57.82	1.082	1.115	1.181	1.348	1.427	1.458	1.729	18.015	0.038
507.79	92.55	89.85	84.81	74.31	70.23	68.71	57.91	1.081	1.113	1.179	1.346	1.424	1.455	1.727	17.920	0.038
507.99	92.70	90.02	85.02	74.41	70.41	68.90	58.11	1.079	1.111	1.176	1.344	1.420	1.451	1.721	17.789	0.038
508.19	92.58	89.94	84.96	74.37	70.31	68.87	58.06	1.080	1.112	1.177	1.345	1.422	1.452	1.722	17.831	0.038
508.39	92.55	89.92	84.92	74.38	70.30	68.89	58.11	1.081	1.112	1.178	1.344	1.423	1.452	1.721	17.823	0.038
508.59	92.58	89.99	84.98	74.40	70.31	68.99	58.12	1.080	1.111	1.177	1.344	1.422	1.449	1.721	17.793	0.038
508.79	92.52	89.94	84.97	74.36	70.34	69.00	58.17	1.081	1.112	1.177	1.345	1.422	1.449	1.719	17.788	0.038
508.99	92.56	90.01	85.10	74.51	70.49	69.12	58.29	1.080	1.111	1.175	1.342	1.419	1.447	1.716	17.694	0.038
509.19	92.57	89.99	85.09	74.41	70.44	69.13	58.29	1.080	1.111	1.175	1.344	1.420	1.446	1.716	17.711	0.038
509.39	92.59	90.01	85.12	74.44	70.50	69.18	58.39	1.080	1.111	1.175	1.343	1.419	1.445	1.713	17.669	0.038
509.58	92.55	89.94	85.02	74.47	70.46	69.17	58.40	1.081	1.112	1.176	1.343	1.419	1.446	1.712	17.681	0.038
509.78	92.62	90.01	85.06	74.58	70.53	69.31	58.50	1.080	1.111	1.176	1.341	1.418	1.443	1.709	17.610	0.037
509.98	92.63	90.01	85.08	74.68	70.58	69.37	58.60	1.080	1.111	1.175	1.339	1.417	1.442	1.707	17.561	0.037
510.18	92.80	90.10	85.21	74.79	70.67	69.49	58.69	1.078	1.110	1.174	1.337	1.415	1.439	1.704	17.485	0.037
510.38	93.01	90.24	85.33	75.01	70.84	69.59	58.82	1.075	1.108	1.172	1.333	1.412	1.437	1.700	17.373	0.037
510.58	92.92	90.22	85.30	75.03	70.78	69.60	58.82	1.076	1.108	1.172	1.333	1.413	1.437	1.700	17.384	0.037
510.78	92.94	90.25	85.35	75.06	70.81	69.64	58.89	1.076	1.108	1.172	1.332	1.412	1.436	1.698	17.351	0.037
510.98	92.95	90.24	85.34	75.07	70.77	69.63	58.94	1.076	1.108	1.172	1.332	1.413	1.436	1.697	17.346	0.037
511.18	93.00	90.32	85.39	75.10	70.81	69.79	58.98	1.075	1.107	1.171	1.331	1.412	1.433	1.695	17.297	0.037
511.38	93.07	90.49	85.43	75.17	70.86	69.86	59.11	1.074	1.105	1.171	1.330	1.411	1.431	1.692	17.234	0.037
511.58	93.02	90.45	85.38	75.14	70.85	69.92	59.18	1.075	1.106	1.171	1.331	1.411	1.430	1.690	17.221	0.037
511.78	93.09	90.48	85.42	75.25	70.92	70.07	59.34	1.074	1.105	1.171	1.329	1.410	1.427	1.685	17.140	0.036
511.98	93.11	90.48	85.46	75.25	70.96	70.10	59.43	1.074	1.105	1.170	1.329	1.409	1.427	1.683	17.107	0.036
512.18	92.95	90.36	85.29	75.21	70.88	70.07	59.35	1.076	1.107	1.172	1.330	1.411	1.427	1.685	17.164	0.037
512.38	93.10	90.51	85.38	75.28	71.06	70.18	59.52	1.074	1.105	1.171	1.328	1.407	1.425	1.680	17.066	0.036
512.58	93.14	90.66	85.51	75.39	71.21	70.25	59.59	1.074	1.103	1.169	1.326	1.404	1.424	1.678	16.992	0.036
512.78	93.25	90.75	85.58	75.50	71.32	70.33	59.67	1.072	1.102	1.169	1.325	1.402	1.422	1.676	16.926	0.036
512.97	93.29	90.90	85.66	75.58	71.37	70.50	59.71	1.072	1.100	1.167	1.323	1.401	1.418	1.675	16.865	0.036
513.17	93.25	90.90	85.58	75.49	71.28	70.46	59.68	1.072	1.100	1.169	1.325	1.403	1.419	1.676	16.904	0.036
513.37	93.44	91.18	85.76	75.78	71.44	70.63	59.87	1.070	1.097	1.166	1.320	1.400	1.416	1.670	16.759	0.036
513.57	93.51	91.17	85.71	75.87	71.52	70.78	59.86	1.069	1.097	1.167	1.318	1.398	1.413	1.670	16.719	0.036
513.77	93.54	91.20	85.81	75.85	71.56	70.85	59.87	1.069	1.097	1.165	1.318	1.397	1.411	1.670	16.697	0.036
513.97	93.51	91.14	85.83	75.86	71.65	70.92	59.95	1.069	1.097	1.165	1.318	1.396	1.410	1.668	16.660	0.035
514.17	93.54	91.22	85.97	75.92	71.67	71.03	60.08	1.069	1.096	1.163	1.317	1.395	1.408	1.664	16.592	0.035
514.37	93.46	91.17	85.85	75.95	71.71	71.04	60.06	1.070	1.097	1.165	1.317	1.394	1.408	1.665	16.599	0.035
514.57	93.35	91.03	85.80	75.87	71.68	71.02	60.08	1.071	1.099	1.166	1.318	1.395	1.408	1.665	16.623	0.035
514.77	93.60	91.15	85.90	76.01	71.89	71.21	60.27	1.068	1.097	1.164	1.316	1.391	1.404	1.659	16.496	0.035
514.97	93.45	91.04	85.78	75.97	71.84	71.21	60.32	1.070	1.098	1.166	1.316	1.392	1.404	1.658	16.515	0.035
515.17	93.40	91.06	85.84	75.96	71.84	71.25	60.28	1.071	1.098	1.165	1.317	1.392	1.404	1.659	16.514	0.035
515.37	93.27	91.06	85.91	76.09	71.83	71.25	60.36	1.072	1.098	1.164	1.314	1.392	1.404	1.657	16.483	0.035
515.56	93.37	91.07	85.93	76.20	71.92	71.32	60.38	1.071	1.098	1.164	1.312	1.390	1.402	1.656	16.440	0.035
515.76	93.39	91.10	85.93	76.23	71.94	71.36	60.41	1.071	1.098	1.164	1.312	1.390	1.401	1.655	16.423	0.035
515.96	93.53	91.24	86.07	76.34	72.05	71.45	60.53	1.069	1.096	1.162	1.310	1.388	1.399	1.652	16.338	0.035
516.16	93.56	91.16	86.04	76.43	72.08	71.44	60.58	1.069	1.097	1.162	1.308	1.387	1.400	1.651	16.322	0.035
516.36	93.66	91.30	86.23	76.47	72.20	71.61	60.69	1.068	1.095	1.160	1.308	1.385	1.397	1.648	16.231	0.035
516.56	93.79	91.40	86.33	76.55	72.21	71.63	60.86	1.066	1.094	1.158	1.306	1.385	1.396	1.643	16.169	0.034
516.76	93.72	91.32	86.18	76.48	72.18	71.63	60.83	1.067	1.095	1.160	1.307	1.385	1.396	1.644	16.203	0.034
516.96	93.89	91.48	86.37	76.67	72.37	71.74	61.01	1.065	1.093	1.158	1.304	1.382	1.394	1.639	16.081	0.034
517.16	93.93	91.37	86.36	76.75	72.43	71.76	61.12	1.065	1.094	1.158	1.303	1.381	1.394	1.636	16.044	0.034
517.36	94.13	91.41	86.59	76.94	72.71	71.85	61.30	1.062	1.094	1.155	1.300	1.375	1.392	1.631	15.917	0.034
517.56	94.21	91.42	86.60	76.96	72.78	71.94	61.38	1.061	1.094	1.155	1.299	1.374	1.390	1.629	15.873	0.034
517.75	94.29	91.58	86.84	77.02	72.90	72.00	61.49	1.061	1.092	1.152	1.298	1.372	1.389	1.626	15.794	0.034
517.95	94.23	91.50	86.72	77.00	72.84	71.91	61.51	1.061	1.093	1.153	1.299	1.373	1.391	1.626	15.827	0.034
518.15	94.17	91.51	86.67	76.94	72.81	71.79	61.57	1.062	1.093	1.154	1.300	1.373	1.393			

519.15	94.68	92.09	86.98	77.28	73.20	72.03	61.99	1.056	1.086	1.150	1.294	1.366	1.388	1.613	15.581	0.033
519.35	94.77	92.12	87.01	77.45	73.40	72.16	62.07	1.055	1.085	1.149	1.291	1.362	1.386	1.611	15.496	0.033
519.54	94.92	92.33	87.01	77.39	73.46	72.22	62.16	1.054	1.083	1.149	1.292	1.361	1.385	1.609	15.457	0.033
519.74	94.81	92.23	86.88	77.35	73.34	72.12	62.04	1.055	1.084	1.151	1.293	1.364	1.387	1.612	15.532	0.033
519.94	94.94	92.39	87.07	77.53	73.54	72.30	62.16	1.053	1.082	1.148	1.290	1.360	1.383	1.609	15.413	0.033
520.14	95.24	92.63	87.24	77.68	73.81	72.37	62.42	1.050	1.080	1.146	1.287	1.355	1.382	1.602	15.274	0.032
520.34	95.54	92.90	87.47	77.90	73.93	72.66	62.58	1.047	1.076	1.143	1.284	1.353	1.376	1.598	15.126	0.032
520.54	95.77	93.07	87.60	78.13	73.99	72.77	62.76	1.044	1.074	1.142	1.280	1.352	1.374	1.593	15.020	0.032
520.74	95.70	92.91	87.55	78.27	74.02	72.91	62.68	1.045	1.076	1.142	1.278	1.351	1.371	1.596	15.011	0.032
520.94	95.91	93.05	87.92	78.53	74.28	73.21	62.90	1.043	1.075	1.137	1.273	1.346	1.366	1.590	14.830	0.032
521.14	95.74	92.79	87.66	78.41	74.26	73.19	62.89	1.045	1.078	1.141	1.275	1.347	1.366	1.590	14.883	0.032
521.33	95.91	92.86	87.76	78.43	74.37	73.18	63.06	1.043	1.077	1.140	1.275	1.345	1.366	1.586	14.821	0.032
521.53	95.94	92.89	87.62	78.42	74.29	73.38	63.05	1.042	1.077	1.141	1.275	1.346	1.363	1.586	14.813	0.032
521.73	96.17	93.00	87.87	78.65	74.61	73.55	63.11	1.040	1.075	1.138	1.272	1.340	1.360	1.585	14.687	0.031
521.93	96.06	92.96	87.79	78.63	74.54	73.46	63.23	1.041	1.076	1.139	1.272	1.342	1.361	1.581	14.696	0.031
522.13	96.21	93.21	87.97	78.81	74.84	73.81	63.40	1.039	1.073	1.137	1.269	1.336	1.355	1.577	14.531	0.031
522.33	96.43	93.51	88.15	79.14	74.98	74.09	63.60	1.037	1.069	1.134	1.264	1.334	1.350	1.572	14.370	0.031
522.53	96.50	93.56	88.28	79.19	75.08	74.27	63.71	1.036	1.069	1.133	1.263	1.332	1.346	1.570	14.295	0.030
522.73	96.97	94.02	88.73	79.55	75.40	74.65	63.90	1.031	1.064	1.127	1.257	1.326	1.340	1.565	14.065	0.030
522.92	96.85	93.80	88.71	79.36	75.43	74.67	63.85	1.033	1.066	1.127	1.260	1.326	1.339	1.566	14.303	0.030
523.12	96.72	93.68	88.70	79.39	75.38	74.64	63.81	1.034	1.067	1.127	1.260	1.327	1.340	1.567	14.127	0.030
523.32	96.47	93.55	88.76	79.42	75.50	74.68	63.83	1.037	1.069	1.127	1.259	1.325	1.339	1.567	14.108	0.030
523.52	96.78	93.94	89.01	79.65	75.72	74.81	64.13	1.033	1.064	1.123	1.256	1.321	1.337	1.559	13.940	0.030
523.72	96.88	93.97	89.04	79.80	75.77	74.99	64.24	1.032	1.064	1.123	1.253	1.320	1.334	1.557	13.865	0.030
523.92	96.86	94.02	89.14	79.99	76.06	75.03	64.48	1.032	1.064	1.122	1.250	1.315	1.333	1.551	13.750	0.029
524.12	96.82	94.14	89.13	80.00	76.07	74.93	64.53	1.033	1.062	1.122	1.250	1.315	1.335	1.550	13.749	0.029
524.31	96.54	93.86	88.93	79.94	75.93	74.99	64.18	1.036	1.065	1.124	1.251	1.317	1.333	1.558	13.862	0.029
524.51	96.31	93.75	88.77	79.77	75.92	74.97	64.24	1.038	1.067	1.127	1.254	1.317	1.334	1.557	13.895	0.030
524.71	96.19	93.47	88.56	79.68	75.96	74.92	64.20	1.040	1.070	1.129	1.255	1.316	1.335	1.558	13.944	0.030
524.91	96.37	93.61	88.70	79.71	76.05	74.97	64.31	1.038	1.068	1.127	1.255	1.315	1.334	1.555	13.884	0.030
525.11	96.41	93.65	88.65	79.80	75.97	74.97	64.38	1.037	1.068	1.128	1.253	1.316	1.334	1.553	13.869	0.030
525.31	96.57	93.82	88.87	80.05	76.03	75.05	64.46	1.036	1.066	1.125	1.249	1.315	1.332	1.551	13.785	0.029
525.51	96.44	93.81	88.77	80.23	75.83	75.21	64.46	1.037	1.066	1.126	1.246	1.319	1.330	1.551	13.781	0.029
525.70	96.48	94.01	88.91	80.31	76.06	75.15	64.53	1.037	1.064	1.125	1.245	1.315	1.331	1.550	13.719	0.029
525.90	96.24	93.90	88.75	80.17	76.03	75.04	64.63	1.039	1.065	1.127	1.247	1.315	1.333	1.547	13.754	0.029
526.10	96.63	93.86	88.80	80.37	76.15	75.40	64.73	1.035	1.065	1.126	1.244	1.313	1.326	1.545	13.640	0.029
526.30	96.61	93.77	88.77	80.50	76.00	75.24	64.79	1.035	1.066	1.127	1.242	1.316	1.329	1.543	13.662	0.029
526.50	96.51	93.76	88.78	80.55	76.05	75.25	64.81	1.036	1.067	1.126	1.242	1.315	1.329	1.543	13.645	0.029
526.70	96.55	94.03	89.04	80.65	76.32	75.39	65.11	1.036	1.063	1.123	1.240	1.310	1.327	1.536	13.497	0.029
526.89	96.37	93.69	88.81	80.58	76.20	75.59	65.10	1.038	1.067	1.126	1.241	1.312	1.323	1.536	13.531	0.029
527.09	96.48	93.72	88.85	80.61	76.19	75.55	65.02	1.036	1.067	1.126	1.241	1.312	1.324	1.538	13.541	0.029
527.29	96.52	93.88	88.92	80.52	76.40	75.78	65.33	1.036	1.065	1.125	1.242	1.309	1.320	1.531	13.422	0.029
527.49	97.09	94.33	89.10	80.86	76.63	76.11	65.82	1.030	1.060	1.122	1.237	1.305	1.314	1.519	13.178	0.028
527.69	96.92	94.20	89.01	80.81	76.54	76.18	65.86	1.032	1.062	1.124	1.237	1.306	1.313	1.518	13.193	0.028
527.89	97.12	94.23	89.21	80.79	76.73	76.24	65.92	1.030	1.061	1.121	1.238	1.303	1.312	1.517	13.131	0.028
528.08	97.45	94.43	89.53	80.88	76.83	76.52	65.97	1.026	1.059	1.117	1.236	1.302	1.307	1.516	13.025	0.028
528.28	97.58	94.26	89.64	80.95	77.06	76.79	66.31	1.025	1.061	1.116	1.235	1.298	1.302	1.508	12.887	0.027
528.48	97.63	94.25	89.53	81.07	77.03	76.72	66.51	1.024	1.061	1.117	1.233	1.298	1.303	1.503	12.857	0.027
528.68	98.04	94.60	90.02	81.46	77.18	77.04	66.73	1.020	1.057	1.111	1.228	1.296	1.298	1.499	12.659	0.027
528.88	98.51	95.20	90.40	81.85	77.51	77.48	67.27	1.015	1.050	1.106	1.222	1.290	1.291	1.486	12.358	0.026
529.08	98.68	95.48	90.71	82.03	77.67	77.68	67.71	1.013	1.047	1.102	1.219	1.287	1.287	1.477	12.177	0.026
529.27	99.04	95.78	90.96	82.15	77.98	77.92	67.84	1.010	1.044	1.099	1.217	1.282	1.283	1.474	12.034	0.026
529.47	98.85	95.54	90.82	81.79	77.94	77.96	67.92	1.012	1.047	1.101	1.223	1.283	1.283	1.472	12.079	0.026
529.67	99.43	96.06	91.28	82.09	78.50	78.04	68.26	1.006	1.041	1.095	1.218	1.274	1.281	1.465	11.841	0.025
529.87	99.14	95.99	91.40	82.26	78.37	78.21	68.34	1.009	1.042	1.094	1.216	1.276	1.279	1.463	11.805	0.025
530.07	99.13	95.67	91.36	82.39	78.21	78.15	68.26	1.009	1.045	1.095	1.214	1.279	1.280	1.465	11.852	0.025
530.27	99.18	96.02	91.64	82.48	78.60	78.16	68.67	1.008	1.041	1.091	1.212	1.272	1.279	1.456	11.686	0.025
530.46	99.33	96.49	91.80	82.84	79.12	78.55	69.15	1.007	1.036	1.089	1.207	1.264	1.273	1.446	11.419	0.024
530.66	99.68	96.36	91.77	82.60	79.03	78.58	69.16	1.003	1.038	1.090	1.211	1.265	1.273	1.446	11.444	0.024
530.86	100.00	96.32	91.63	82.94	79.12	78.74	69.28	1.000	1.038	1.091	1.206	1.264	1.270	1.443	11.363	0.024
531.06	99.63	96.29	91.98	82.83	79.01	78.33	69.02	1.004	1.039	1.094	1.207	1.266	1.277	1.449	11.513	0.024
531.26	100.03	96.74	91.58	83.35	79.43	78.76	69.40	1.000	1.034	1.092	1.200	1.259	1.270	1.441	11.246	0.024
531.45	99.82	96.68	91.59	83.57	79.35	78.64	69.26	1.002	1.034	1.092	1.197	1.260	1.272	1.444	11.284	0.024
531.65	99.74	96.64	91.77	83.82	79.66	78.70	69.37	1.003	1.035	1.090	1.193	1.255	1.271	1.441	11.185	0.024
531.85	99.94	96.95	92.27	84.10	80.23	79.05	69.71	1.001	1.031	1.084	1.189	1.246	1.265	1.434	10.934	0.023
532.05	100.08	97.04	92.21	84.36	80.32	79.17	69.66	0.999	1.031	1.084	1.185	1.245	1.263	1.436	10.891	0.023
532.25	99.83	96.95	92.04	84.20	80.11	78.89	69.49	1.002	1.031	1.086	1.188	1.248	1.268	1.439	11.017	0.023
532.44	99.87	97.05	92.15	84.46	80.17	78.68	69.43	1.001	1.030	1.085	1.184	1.247	1.271	1.440	11.010	0.023
532.64	99.88	97.13	92.29	84.29	80.29	78.73	69.46	1.001	1.030	1.084	1.186	1.246	1.270	1.440	10.988	0.023
532.84	100.10	97.43	92.36	84.43	80.86	78.89	69.71	0.999	1.026	1.083	1.184	1.237	1.2			

533.83	98.58	95.70	90.84	84.35	80.40	78.12	69.07	1.014	1.045	1.101	1.186	1.244	1.280	1.448	11.309	0.024
534.03	99.05	95.49	91.00	84.36	80.51	78.29	69.12	1.010	1.047	1.099	1.185	1.242	1.277	1.447	11.251	0.024
534.23	99.54	96.24	91.26	84.66	80.87	78.91	69.49	1.005	1.039	1.096	1.181	1.237	1.267	1.439	10.973	0.023
534.42	98.89	95.74	90.69	84.37	80.36	78.60	69.00	1.011	1.045	1.103	1.185	1.244	1.272	1.449	11.264	0.024
534.62	99.38	95.71	90.95	84.33	80.74	78.82	69.21	1.006	1.045	1.099	1.186	1.239	1.269	1.445	11.129	0.024
534.82	99.16	95.59	90.87	84.51	80.86	78.89	69.24	1.008	1.046	1.100	1.183	1.237	1.268	1.444	11.100	0.024
535.02	99.23	95.42	90.76	84.25	81.00	78.80	68.98	1.008	1.048	1.102	1.187	1.235	1.269	1.450	11.179	0.024
535.22	100.07	95.76	91.45	84.72	81.43	79.38	69.64	0.999	1.044	1.093	1.180	1.228	1.260	1.436	10.810	0.023
535.41	100.26	95.74	91.60	84.64	81.30	79.53	69.71	0.997	1.045	1.092	1.181	1.230	1.257	1.434	10.788	0.023
535.61	101.12	96.37	92.18	85.03	81.87	80.07	70.33	0.989	1.038	1.085	1.176	1.221	1.249	1.422	10.420	0.022
535.81	101.43	96.34	92.05	85.03	81.84	79.98	70.27	0.986	1.038	1.086	1.176	1.222	1.250	1.423	10.449	0.022
536.01	101.51	96.18	92.02	85.19	81.56	79.98	70.07	0.985	1.040	1.087	1.174	1.226	1.250	1.427	10.508	0.022
536.20	101.74	96.86	92.73	85.72	81.95	80.29	70.66	0.983	1.032	1.078	1.167	1.220	1.245	1.415	10.186	0.022
536.40	102.23	97.43	93.40	86.53	82.43	80.85	71.33	0.978	1.026	1.071	1.156	1.213	1.237	1.402	9.790	0.021
536.60	102.21	97.22	93.00	86.05	81.96	80.96	71.02	0.978	1.029	1.075	1.162	1.220	1.235	1.408	9.964	0.021
536.80	102.85	98.09	93.56	86.95	82.49	82.00	71.64	0.972	1.020	1.069	1.150	1.212	1.219	1.396	9.492	0.020
537.00	102.50	97.60	93.20	86.78	81.85	81.94	71.20	0.976	1.025	1.073	1.152	1.222	1.220	1.404	9.718	0.021
537.19	102.91	97.85	93.70	86.91	82.35	82.12	71.28	0.972	1.022	1.067	1.151	1.214	1.218	1.403	9.559	0.020
537.39	103.25	98.30	94.18	87.54	82.84	82.76	71.83	0.969	1.017	1.062	1.142	1.207	1.208	1.392	9.214	0.020
537.59	103.95	99.35	94.92	87.74	83.50	83.29	72.07	0.962	1.007	1.054	1.140	1.198	1.201	1.388	8.906	0.019
537.79	104.47	99.80	95.63	87.62	83.76	83.63	71.94	0.957	1.002	1.046	1.141	1.194	1.196	1.390	8.792	0.019
537.98	104.76	100.24	96.27	88.04	83.92	84.06	72.56	0.955	0.998	1.039	1.136	1.192	1.190	1.378	8.512	0.018
538.18	104.34	100.36	95.60	87.80	83.72	83.79	72.43	0.958	0.996	1.046	1.139	1.195	1.193	1.381	8.659	0.018
538.38	104.19	100.53	95.68	87.95	83.91	83.82	72.55	0.960	0.995	1.045	1.137	1.192	1.193	1.378	8.592	0.018
538.58	104.94	100.93	96.28	88.72	84.22	84.23	72.77	0.953	0.991	1.039	1.127	1.187	1.187	1.374	8.327	0.018
538.77	104.89	101.43	96.54	89.11	84.11	84.45	72.67	0.953	0.986	1.036	1.122	1.189	1.184	1.376	8.257	0.018
538.97	105.01	101.79	97.14	88.94	84.24	84.40	72.99	0.952	0.982	1.029	1.124	1.187	1.185	1.370	8.155	0.017
539.17	105.07	102.47	97.64	89.22	84.32	84.85	73.13	0.952	0.976	1.024	1.121	1.186	1.178	1.367	7.980	0.017
539.37	105.00	103.20	98.30	89.43	84.78	85.06	73.15	0.952	0.969	1.017	1.118	1.180	1.176	1.367	7.813	0.017
539.56	104.41	103.21	97.99	89.11	85.02	84.81	72.89	0.958	0.969	1.021	1.122	1.176	1.179	1.372	7.924	0.017
539.76	104.64	103.08	97.85	89.44	85.28	84.81	72.82	0.956	0.970	1.022	1.118	1.173	1.179	1.373	7.884	0.017
539.96	104.25	103.46	97.91	89.46	85.34	84.76	72.51	0.959	0.967	1.021	1.118	1.172	1.180	1.379	7.925	0.017
540.16	104.28	103.69	97.59	89.55	85.33	84.38	72.69	0.959	0.964	1.025	1.117	1.172	1.185	1.376	7.943	0.017
540.35	103.75	103.02	97.05	89.00	84.79	83.91	72.10	0.964	0.971	1.030	1.124	1.179	1.192	1.387	8.283	0.018
540.55	103.58	102.31	96.29	88.47	84.54	84.14	72.07	0.965	0.977	1.038	1.130	1.183	1.189	1.387	8.419	0.018
540.75	103.63	102.61	96.62	88.68	84.80	83.62	72.11	0.965	0.975	1.035	1.128	1.179	1.196	1.387	8.399	0.018
540.95	103.48	101.79	96.34	87.98	83.97	82.66	71.91	0.966	0.982	1.038	1.137	1.191	1.210	1.391	8.753	0.019
541.14	103.38	101.53	96.34	88.09	84.17	82.63	72.30	0.967	0.985	1.038	1.135	1.188	1.210	1.383	8.673	0.018
541.34	102.93	100.69	95.73	87.41	83.56	82.30	71.78	0.972	0.993	1.045	1.144	1.197	1.215	1.393	9.016	0.019
541.54	103.30	101.31	95.74	87.80	83.53	82.77	71.93	0.968	0.987	1.045	1.139	1.197	1.208	1.390	8.865	0.019
541.74	103.61	101.45	96.09	88.30	83.53	83.22	72.46	0.965	0.986	1.041	1.132	1.197	1.202	1.380	8.638	0.018
541.93	102.83	100.56	94.97	87.65	82.69	82.34	72.09	0.973	0.994	1.053	1.141	1.209	1.214	1.387	9.090	0.019
542.13	102.74	99.78	94.40	87.43	82.37	81.70	71.62	0.973	1.002	1.059	1.144	1.214	1.224	1.396	9.379	0.020
542.33	102.87	99.97	94.71	87.33	82.77	81.75	71.98	0.972	1.000	1.056	1.145	1.208	1.223	1.389	9.243	0.020
542.53	102.52	99.32	94.64	87.16	82.40	81.94	71.47	0.975	1.007	1.057	1.147	1.214	1.220	1.399	9.406	0.020
542.72	102.47	99.73	94.86	86.89	82.82	82.40	71.46	0.976	1.003	1.054	1.151	1.207	1.214	1.399	9.297	0.020
542.92	102.66	99.76	95.06	86.84	82.79	82.63	71.19	0.974	1.002	1.052	1.152	1.208	1.210	1.405	9.307	0.020
543.12	102.71	99.58	94.90	87.35	83.00	82.66	70.75	0.974	1.004	1.054	1.145	1.205	1.210	1.413	9.325	0.020
543.32	102.97	99.86	95.04	87.92	83.08	82.70	71.54	0.971	1.001	1.052	1.137	1.204	1.209	1.398	9.094	0.019
543.51	103.00	99.79	94.69	88.22	83.15	82.89	72.04	0.971	1.002	1.056	1.133	1.203	1.206	1.388	8.973	0.019
543.71	103.11	99.93	94.80	88.56	82.57	82.76	72.13	0.970	1.001	1.055	1.129	1.211	1.208	1.386	8.993	0.019
543.91	102.54	99.65	94.52	88.15	82.02	82.57	71.94	0.975	1.004	1.058	1.134	1.219	1.211	1.390	9.191	0.020
544.11	102.97	99.82	94.54	88.13	82.02	82.96	72.26	0.971	1.002	1.058	1.135	1.219	1.205	1.384	9.071	0.019
544.30	102.31	99.06	93.99	87.23	81.44	82.34	72.19	0.977	1.009	1.064	1.146	1.228	1.215	1.385	9.399	0.020
544.50	102.53	99.07	94.48	87.27	81.71	82.67	72.43	0.975	1.009	1.058	1.146	1.224	1.210	1.381	9.239	0.020
544.70	103.41	99.94	95.44	88.13	82.67	82.87	73.04	0.967	1.001	1.048	1.135	1.210	1.207	1.369	8.802	0.019
544.89	103.86	100.34	96.05	88.57	82.99	83.70	73.53	0.963	0.997	1.041	1.129	1.205	1.195	1.360	8.476	0.018
545.09	104.12	101.06	96.44	89.08	83.69	84.45	73.81	0.960	0.989	1.037	1.123	1.195	1.184	1.355	8.153	0.017
545.29	103.78	101.31	96.71	88.81	83.70	84.53	73.64	0.964	0.987	1.034	1.126	1.195	1.183	1.358	8.174	0.017
545.49	103.86	101.79	96.85	89.05	83.80	85.10	73.92	0.963	0.982	1.032	1.123	1.193	1.175	1.353	7.997	0.017
545.68	104.01	101.86	97.46	89.24	83.79	84.90	73.96	0.961	0.982	1.026	1.121	1.193	1.178	1.352	7.953	0.017
545.88	103.84	101.61	96.85	88.88	83.40	84.61	73.38	0.963	0.984	1.032	1.125	1.199	1.182	1.363	8.214	0.017
546.08	104.38	102.60	97.21	89.48	84.57	85.27	73.75	0.958	0.975	1.029	1.118	1.182	1.173	1.356	7.814	0.017
546.27	105.20	104.39	98.70	89.98	85.27	86.22	74.43	0.951	0.958	1.013	1.111	1.173	1.160	1.344	7.280	0.015
546.47	105.53	105.38	99.43	90.85	85.63	86.65	74.96	0.948	0.949	1.006	1.101	1.168	1.154	1.334	6.932	0.015
546.67	105.57	105.80	99.56	91.10	85.80	86.35	75.50	0.947	0.945	1.004	1.098	1.166	1.158	1.325	6.812	0.014
546.87	106.53	106.46	100.43	91.66	86.37	86.78	76.07	0.939	0.939	0.996	1.091	1.158	1.152	1.315	6.455	0.014
547.06	106.70	106.32	100.28	91.58	86.45	86.67	76.43	0.937	0.941	0.997	1.092	1.157	1.154	1.308	6.420	0.014
547.26	107.36	107.07	100.26	91.94	86.73	87.27	77.21	0.931	0.934	0.997	1.088	1.153	1.146	1.295	6.118	0.013
547.46	107.70	106.83	100.31	91.73	87.16	87.19	76.75	0.929	0							

548.44	110.95	108.83	103.96	94.85	90.36	90.81	79.59	0.901	0.919	0.962	1.054	1.107	1.101	1.256	4.335	0.009
548.64	111.60	109.09	104.49	95.60	91.48	91.22	80.41	0.896	0.917	0.957	1.046	1.093	1.096	1.244	3.927	0.008
548.84	111.37	108.59	104.23	95.51	90.72	91.08	79.98	0.898	0.921	0.959	1.047	1.102	1.098	1.250	4.132	0.009
549.03	111.93	108.76	104.04	95.70	91.16	91.50	80.01	0.893	0.919	0.961	1.045	1.097	1.093	1.250	4.013	0.009
549.23	111.70	108.29	103.90	96.10	91.62	91.42	80.18	0.895	0.923	0.963	1.041	1.091	1.094	1.247	3.948	0.008
549.43	112.87	108.97	104.14	96.99	92.10	91.83	80.53	0.886	0.918	0.960	1.031	1.086	1.089	1.242	3.660	0.008
549.62	112.39	108.56	103.73	96.73	91.77	91.17	80.24	0.890	0.921	0.964	1.034	1.090	1.097	1.246	3.881	0.008
549.82	113.42	109.58	104.28	97.70	92.41	91.97	80.65	0.882	0.913	0.959	1.024	1.082	1.087	1.240	3.491	0.007

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414.05	51.33	53.16	34.69	30.13	22.27	18.68	11.95		1.948	1.881	2.883	3.319	4.490	5.354	8.368	96.601	0.133
414.25	51.73	53.34	35.10	30.53	22.23	18.72	12.15		1.933	1.875	2.849	3.275	4.499	5.341	8.233	96.068	0.132
414.46	52.70	54.01	35.17	30.84	22.59	19.01	12.53		1.898	1.852	2.844	3.242	4.428	5.261	7.981	94.966	0.131
414.66	53.43	54.90	35.37	31.41	23.17	19.88	12.94		1.872	1.821	2.827	3.184	4.316	5.029	7.728	93.253	0.128
414.87	53.67	55.42	35.55	31.98	23.57	20.15	13.16		1.863	1.804	2.813	3.127	4.243	4.964	7.600	92.349	0.127
415.07	53.97	55.26	35.24	31.97	23.82	20.62	13.44		1.853	1.810	2.837	3.128	4.198	4.849	7.441	91.707	0.126
415.28	54.41	55.83	35.91	32.10	24.27	21.10	13.74		1.838	1.791	2.785	3.116	4.121	4.739	7.278	90.592	0.125
415.48	54.82	56.11	36.37	32.11	24.66	21.09	14.13		1.824	1.782	2.750	3.114	4.055	4.741	7.077	89.836	0.124
415.69	55.29	56.54	36.53	32.48	24.96	21.16	14.51		1.809	1.769	2.737	3.079	4.006	4.727	6.891	89.035	0.123
415.89	55.46	56.64	36.43	32.65	24.83	21.46	14.66		1.803	1.785	2.745	3.063	4.027	4.661	6.822	88.717	0.122
416.1	55.91	56.87	36.58	33.18	25.16	22.06	15.06		1.789	1.758	2.733	3.014	3.975	4.534	6.641	87.579	0.121
416.3	56.11	57.06	36.82	33.47	25.36	22.31	15.67		1.782	1.753	2.716	2.988	3.943	4.482	6.380	86.589	0.119
416.51	56.53	57.23	36.84	33.48	25.11	22.40	15.81		1.769	1.747	2.715	2.987	3.983	4.464	6.326	86.472	0.119
416.71	57.38	57.87	37.33	33.56	25.44	22.94	16.15		1.743	1.728	2.679	2.980	3.930	4.359	6.190	85.442	0.118
416.92	57.80	58.34	37.63	33.66	25.82	23.06	16.40		1.730	1.714	2.658	2.971	3.874	4.337	6.099	84.812	0.117
417.12	58.52	58.68	38.06	33.96	26.12	23.54	16.92		1.709	1.704	2.628	2.944	3.828	4.247	5.909	83.688	0.115
417.33	58.83	58.59	38.45	34.18	26.24	23.87	16.99		1.700	1.707	2.601	2.926	3.811	4.190	5.884	83.244	0.115
417.53	59.32	59.11	38.78	34.43	26.35	24.31	17.12		1.686	1.682	2.579	2.905	3.795	4.114	5.842	82.625	0.114
417.74	59.43	59.30	38.59	34.27	26.54	24.25	17.35		1.683	1.686	2.591	2.918	3.767	4.123	5.763	82.432	0.114
417.94	60.03	59.84	38.80	34.53	27.06	24.80	17.68		1.666	1.671	2.577	2.896	3.695	4.033	5.656	81.443	0.112
418.15	60.61	60.07	39.39	34.87	27.50	25.16	18.06		1.650	1.665	2.539	2.868	3.637	3.975	5.538	80.485	0.111
418.35	61.14	60.38	39.95	35.26	27.89	25.53	18.42		1.636	1.656	2.503	2.836	3.586	3.917	5.429	79.555	0.110
418.56	61.68	60.80	40.16	35.37	28.12	25.91	18.66		1.621	1.645	2.490	2.827	3.556	3.860	5.359	78.931	0.109
418.76	61.55	60.82	40.04	35.29	28.19	25.88	18.74		1.625	1.644	2.498	2.834	3.547	3.864	5.337	78.909	0.109
418.97	61.94	61.13	40.48	35.52	28.42	26.13	19.18		1.614	1.636	2.470	2.815	3.518	3.827	5.214	78.141	0.108
419.17	62.22	61.33	40.72	35.51	28.67	26.55	19.30		1.607	1.631	2.456	2.816	3.488	3.766	5.181	77.667	0.107
419.38	62.57	61.56	40.98	35.66	28.84	26.71	19.45		1.598	1.624	2.440	2.804	3.467	3.743	5.140	77.266	0.106
419.58	63.02	61.90	41.05	35.95	29.04	26.76	19.59		1.587	1.616	2.436	2.782	3.443	3.737	5.104	76.896	0.106
419.79	63.33	62.17	40.99	36.13	29.08	26.99	19.68		1.579	1.608	2.440	2.768	3.439	3.705	5.081	76.624	0.106
419.99	63.83	62.54	41.19	36.45	29.27	27.33	19.90		1.567	1.599	2.428	2.743	3.416	3.659	5.026	76.029	0.105
420.2	64.20	62.86	41.69	36.71	29.70	27.54	20.10		1.558	1.591	2.399	2.724	3.367	3.632	4.975	75.396	0.104
420.4	64.43	63.07	41.86	36.68	29.76	27.65	20.20		1.552	1.586	2.389	2.726	3.360	3.617	4.950	75.183	0.104
420.61	64.88	63.28	41.90	36.83	30.00	27.82	20.14		1.541	1.580	2.387	2.715	3.333	3.594	4.964	74.955	0.103
420.81	65.07	63.57	42.18	36.99	30.40	28.03	20.36		1.537	1.573	2.371	2.704	3.289	3.568	4.911	74.416	0.102
421.02	65.27	63.63	42.26	37.10	30.61	28.12	20.55		1.532	1.572	2.366	2.695	3.267	3.556	4.867	74.099	0.102
421.22	65.72	63.86	42.57	37.30	30.86	28.43	20.80		1.522	1.566	2.349	2.681	3.240	3.518	4.808	73.522	0.101
421.43	66.04	64.13	42.72	37.42	31.03	28.60	20.74		1.514	1.559	2.341	2.672	3.222	3.497	4.823	73.321	0.101
421.63	66.27	64.34	42.65	37.47	31.04	28.62	20.80		1.509	1.554	2.345	2.669	3.221	3.494	4.807	73.223	0.101
421.84	66.76	64.64	42.96	37.67	31.30	28.84	20.98		1.498	1.547	2.328	2.655	3.195	3.467	4.767	72.734	0.100
422.04	67.17	65.07	43.40	38.04	31.54	29.27	21.35		1.489	1.537	2.304	2.629	3.170	3.417	4.685	71.960	0.099
422.24	67.20	65.03	43.44	38.05	31.54	29.23	21.39		1.488	1.538	2.302	2.628	3.171	3.421	4.674	71.937	0.099
422.45	67.50	65.41	43.51	38.08	31.56	29.25	21.42		1.481	1.529	2.298	2.626	3.168	3.419	4.668	71.820	0.099
422.65	67.58	65.51	43.42	38.03	31.53	29.21	21.42		1.480	1.527	2.303	2.630	3.171	3.423	4.669	71.865	0.099
422.86	67.77	65.65	43.62	38.20	31.83	29.32	21.64		1.476	1.523	2.293	2.618	3.142	3.410	4.622	71.456	0.098
423.06	68.39	65.98	43.93	38.47	32.17	29.63	21.96		1.462	1.516	2.276	2.599	3.108	3.375	4.555	70.786	0.097
423.27	68.58	66.20	43.96	38.56	32.36	29.69	21.95		1.458	1.511	2.275	2.593	3.090	3.368	4.555	70.632	0.097
423.47	68.87	66.38	44.04	38.69	32.47	29.80	22.20		1.452	1.507	2.271	2.584	3.079	3.356	4.504	70.304	0.097
423.68	68.96	66.54	44.09	38.75	32.51	29.86	22.25		1.450	1.503	2.268	2.581	3.076	3.349	4.494	70.187	0.097
423.88	69.16	66.72	44.22	38.82	32.61	30.04	22.42		1.446	1.499	2.261	2.576	3.067	3.329	4.460	69.890	0.096
424.09	69.37	66.88	44.39	38.92	32.76	30.17	22.48		1.441	1.495	2.253	2.569	3.053	3.315	4.448	69.661	0.096
424.29	69.55	67.02	44.49	38.96	32.89	30.22	22.52		1.438	1.492	2.248	2.567	3.040	3.309	4.440	69.514	0.096
424.5	69.75	67.06	44.44	38.94	32.90	30.28	22.59		1.434	1.491	2.250	2.568	3.040	3.302	4.426	69.437	0.096
424.7	69.96	67.18	44.43	39.01	32.99	30.32	22.68		1.429	1.489	2.248	2.563	3.031	3.298	4.409	69.283	0.095
424.91	70.10	67.30	44.64	39.08	33.10	30.43	22.79		1.426	1.486	2.240	2.559	3.021	3.286	4.388	69.063	0.095
425.11	70.33	67.38	44.69	39.18	33.12	30.49	22.83		1.422	1.484	2.238	2.553	3.020	3.280	4.380	68.952	0.095
425.31	70.48	67.51	44.77	39.31	33.16	30.59	22.90		1.419	1.481	2.233	2.544	3.016	3.269	4.367	68.779	0.095
425.52	70.59	67.58	44.76	39.32	33.16	30.59	22.96		1.417	1.480	2.234	2.543	3.016	3.269	4.355	68.723	0.095
425.72	70.70	67.65	44.84	39.41	33.23	30.66	23.16		1.414	1.478	2.230	2.538	3.009	3.262	4.317	68.498	0.094
425.93	70.84	67.75	44.94	39.55	33.39	30.80	23.29		1.412	1.476	2.225	2.528	2.995	3.247	4.293	68.227	0.094
426.13	70.81	67.74	44.89	39.55	33.40	30.74	23.32		1.412	1.476	2.227	2.528	2.994	3.253	4.288	68.245	0.094
426.34	70.87	67.76	44.87	39.56	33.49	30.74	23.37		1.411	1.476	2.228	2.528	2.986	3.253	4.279	68.177	0.094
426.54	70.99	67.84	44.94	39.61	33.53	30.78	23.41		1.409	1.474	2.225	2.524	2.982	3.249	4.273	68.087	0.094
426.75	71.00	67.86	44.97	39.69	33.56	30.80	23.44		1.408	1.474	2.224	2.520	2.979	3.247	4.266	68.017	0.094
426.95	71.17	68.00	45.11	39.79	33.71	30.98	23.59		1.405	1.471	2.217	2.513	2.967	3.228	4.240	67.734	0.093
427.16	71.22	68.05	45.14	39.78	33.69	31.00	23.61		1.404	1.470	2.215	2.514	2.968	3.225	4.235	67.701	0.093
427.36	71.21	68.06	45.17	39.76	33.66	31.04	23.64		1.404	1.469	2.214	2.515	2.971	3.222	4.230	67.683	0.093
427.56	71.32	68.09	45.26	39.80	33.67	31.08	23.70		1.402	1.469	2.210	2.513	2.970	3.217	4.220	67.590	0.093
427.77	71.42	68.11	45.33	39.83	33.71	31.11	23.71		1.400	1.468	2.206	2.510	2.966	3.215	4.217	67.525	0.093
427.97	71.49	68.17	45.38	39.88													

429.2	71.72	68.39	45.70	40.07	33.96	31.38	24.10		1.394	1.462	2.188	2.496	2.945	3.187	4.149	66.929	0.092
429.4	71.67	68.37	45.68	40.02	33.97	31.37	24.13		1.395	1.463	2.189	2.499	2.944	3.188	4.144	66.929	0.092
429.61	71.67	68.37	45.70	40.01	33.99	31.39	24.17		1.395	1.463	2.188	2.499	2.942	3.186	4.137	66.890	0.092
429.81	71.67	68.35	45.71	40.00	34.04	31.42	24.19		1.395	1.463	2.188	2.500	2.938	3.182	4.133	66.850	0.092
430.02	71.64	68.30	45.67	39.98	34.04	31.41	24.16		1.396	1.464	2.190	2.501	2.937	3.184	4.140	66.897	0.092
430.22	71.66	68.29	45.68	39.98	34.06	31.41	24.18		1.396	1.464	2.189	2.502	2.936	3.184	4.135	66.875	0.092
430.43	71.64	68.25	45.68	39.99	34.07	31.42	24.22		1.396	1.465	2.189	2.501	2.935	3.182	4.129	66.846	0.092
430.63	71.62	68.24	45.68	39.97	34.06	31.44	24.22		1.396	1.465	2.189	2.502	2.936	3.180	4.130	66.852	0.092
430.83	71.62	68.23	45.67	40.00	34.11	31.47	24.24		1.396	1.466	2.189	2.500	2.932	3.178	4.125	66.803	0.092
431.04	71.67	68.23	45.67	40.01	34.13	31.46	24.27		1.395	1.466	2.190	2.499	2.930	3.178	4.120	66.776	0.092
431.24	71.65	68.20	45.65	40.00	34.12	31.45	24.27		1.396	1.466	2.191	2.500	2.931	3.180	4.120	66.795	0.092
431.45	71.67	68.22	45.65	40.01	34.15	31.48	24.29		1.395	1.466	2.191	2.499	2.928	3.177	4.117	66.757	0.092
431.65	71.67	68.22	45.63	40.01	34.17	31.46	24.27		1.395	1.466	2.191	2.499	2.927	3.179	4.120	66.772	0.092
431.85	71.64	68.22	45.64	40.00	34.17	31.46	24.26		1.396	1.466	2.191	2.500	2.927	3.179	4.122	66.781	0.092
432.06	71.60	68.22	45.63	40.01	34.18	31.45	24.28		1.397	1.466	2.191	2.499	2.926	3.180	4.119	66.772	0.092
432.26	71.58	68.20	45.63	40.01	34.19	31.46	24.30		1.397	1.466	2.192	2.500	2.925	3.179	4.116	66.757	0.092
432.47	71.58	68.17	45.61	40.01	34.20	31.44	24.29		1.397	1.467	2.192	2.499	2.924	3.180	4.116	66.770	0.092
432.67	71.54	68.16	45.59	40.00	34.20	31.44	24.30		1.398	1.467	2.193	2.500	2.924	3.181	4.115	66.776	0.092
432.88	71.56	68.16	45.61	40.01	34.21	31.45	24.32		1.397	1.467	2.192	2.500	2.923	3.180	4.112	66.751	0.092
433.08	71.54	68.13	45.60	40.00	34.21	31.44	24.32		1.398	1.468	2.193	2.500	2.923	3.181	4.112	66.767	0.092
433.28	71.56	68.14	45.60	40.01	34.23	31.45	24.35		1.398	1.467	2.193	2.499	2.922	3.180	4.106	66.730	0.092
433.49	71.51	68.12	45.58	40.01	34.22	31.45	24.35		1.398	1.468	2.194	2.500	2.922	3.179	4.106	66.739	0.092
433.69	71.51	68.10	45.58	40.03	34.23	31.46	24.35		1.398	1.468	2.194	2.498	2.921	3.178	4.106	66.727	0.092
433.9	71.50	68.10	45.57	40.02	34.24	31.46	24.37		1.399	1.469	2.194	2.499	2.920	3.178	4.104	66.720	0.092
434.1	71.46	68.07	45.56	40.02	34.23	31.46	24.37		1.399	1.469	2.195	2.499	2.921	3.179	4.104	66.734	0.092
434.3	71.44	68.06	45.55	40.00	34.23	31.46	24.37		1.400	1.469	2.196	2.500	2.921	3.179	4.104	66.743	0.092
434.51	71.37	68.02	45.51	39.97	34.21	31.43	24.36		1.401	1.470	2.197	2.502	2.923	3.182	4.105	66.791	0.092
434.71	71.37	68.03	45.52	39.96	34.23	31.44	24.36		1.401	1.470	2.197	2.502	2.922	3.181	4.105	66.778	0.092
434.92	71.36	68.01	45.52	39.96	34.22	31.42	24.36		1.401	1.470	2.197	2.503	2.922	3.182	4.105	66.790	0.092
435.12	71.34	68.00	45.52	39.93	34.21	31.42	24.37		1.402	1.471	2.197	2.504	2.923	3.182	4.103	66.798	0.092
435.32	71.29	67.94	45.51	39.91	34.20	31.41	24.37		1.403	1.472	2.197	2.506	2.924	3.183	4.104	66.825	0.092
435.53	71.24	67.90	45.48	39.88	34.18	31.39	24.36		1.404	1.473	2.199	2.507	2.925	3.185	4.105	66.859	0.092
435.73	71.17	67.84	45.45	39.85	34.16	31.37	24.35		1.405	1.474	2.200	2.509	2.928	3.188	4.107	66.908	0.092
435.94	71.11	67.80	45.43	39.83	34.15	31.36	24.35		1.406	1.475	2.201	2.511	2.928	3.189	4.107	66.932	0.092
436.14	71.07	67.75	45.39	39.80	34.15	31.34	24.35		1.407	1.476	2.203	2.513	2.929	3.190	4.107	66.962	0.092
436.34	71.03	67.71	45.37	39.77	34.13	31.32	24.34		1.408	1.477	2.204	2.515	2.930	3.193	4.109	67.000	0.092
436.55	71.00	67.68	45.36	39.76	34.13	31.31	24.33		1.408	1.477	2.205	2.515	2.930	3.194	4.110	67.019	0.092
436.75	70.94	67.62	45.33	39.73	34.11	31.30	24.33		1.410	1.479	2.206	2.517	2.932	3.195	4.111	67.057	0.092
436.96	70.90	67.58	45.31	39.70	34.09	31.29	24.32		1.410	1.480	2.207	2.519	2.933	3.196	4.112	67.087	0.092
437.16	70.83	67.52	45.27	39.68	34.08	31.27	24.31		1.412	1.481	2.209	2.520	2.934	3.198	4.113	67.123	0.092
437.36	70.79	67.48	45.23	39.65	34.06	31.26	24.31		1.413	1.482	2.211	2.522	2.936	3.199	4.113	67.156	0.092
437.57	70.71	67.41	45.19	39.62	34.04	31.24	24.29		1.414	1.483	2.213	2.524	2.938	3.202	4.118	67.217	0.093
437.77	70.68	67.37	45.17	39.60	34.03	31.21	24.28		1.415	1.484	2.214	2.525	2.939	3.204	4.119	67.251	0.093
437.98	70.63	67.33	45.16	39.58	34.01	31.20	24.27		1.416	1.485	2.214	2.527	2.940	3.206	4.120	67.280	0.093
438.18	70.59	67.29	45.14	39.56	33.98	31.18	24.26		1.417	1.486	2.215	2.528	2.943	3.207	4.122	67.318	0.093
438.38	70.54	67.24	45.12	39.54	33.97	31.16	24.25		1.418	1.487	2.216	2.529	2.944	3.210	4.123	67.352	0.093
438.59	70.49	67.20	45.10	39.52	33.95	31.14	24.25		1.419	1.488	2.217	2.530	2.946	3.212	4.124	67.389	0.093
438.79	70.43	67.14	45.07	39.49	33.92	31.12	24.23		1.420	1.489	2.219	2.532	2.948	3.213	4.127	67.434	0.093
438.99	70.36	67.07	45.02	39.46	33.89	31.10	24.22		1.421	1.491	2.221	2.534	2.951	3.216	4.129	67.493	0.093
439.2	70.29	67.01	44.97	39.43	33.87	31.08	24.20		1.423	1.492	2.224	2.536	2.952	3.218	4.133	67.546	0.093
439.4	70.23	66.96	44.94	39.40	33.86	31.06	24.19		1.424	1.493	2.225	2.538	2.954	3.220	4.135	67.585	0.093
439.61	70.17	66.91	44.91	39.38	33.84	31.04	24.17		1.425	1.495	2.227	2.539	2.955	3.222	4.138	67.630	0.093
439.81	70.11	66.86	44.89	39.35	33.82	31.02	24.16		1.426	1.496	2.228	2.542	2.957	3.223	4.138	67.667	0.093
440.01	70.06	66.82	44.87	39.32	33.80	31.00	24.15		1.427	1.497	2.229	2.544	2.958	3.226	4.140	67.708	0.093
440.22	70.00	66.76	44.83	39.29	33.78	30.98	24.14		1.429	1.498	2.230	2.545	2.960	3.228	4.142	67.752	0.093
440.42	69.94	66.70	44.81	39.26	33.75	30.95	24.13		1.430	1.499	2.232	2.547	2.963	3.231	4.144	67.801	0.093
440.62	69.88	66.64	44.77	39.23	33.72	30.94	24.12		1.431	1.501	2.234	2.549	2.965	3.233	4.146	67.850	0.093
440.83	69.82	66.59	44.74	39.20	33.70	30.92	24.11		1.432	1.502	2.235	2.551	2.968	3.234	4.148	67.898	0.094
441.03	69.76	66.55	44.71	39.17	33.68	30.89	24.09		1.434	1.503	2.237	2.553	2.969	3.237	4.152	67.948	0.094
441.24	69.68	66.49	44.68	39.14	33.66	30.86	24.07		1.435	1.504	2.238	2.555	2.971	3.240	4.155	67.997	0.094
441.44	69.63	66.44	44.65	39.11	33.64	30.83	24.06		1.436	1.505	2.240	2.557	2.973	3.243	4.157	68.050	0.094
441.64	69.56	66.37	44.62	39.08	33.61	30.81	24.04		1.438	1.507	2.241	2.559	2.975	3.246	4.159	68.099	0.094
441.85	69.50	66.32	44.59	39.04	33.59	30.79	24.03		1.439	1.508	2.242	2.561	2.977	3.248	4.161	68.144	0.094
442.05	69.43	66.26	44.56	39.01	33.56	30.77	24.02		1.440	1.509	2.244	2.563	2.980	3.250	4.164	68.199	0.094
442.25	69.35	66.18	44.51	38.97	33.53	30.74	23.99		1.442	1.511	2.247	2.566	2.983	3.254	4.168	68.271	0.094
442.46	69.27	66.11	44.47	38.94	33.51	30.71	23.98		1.444	1.513	2.249	2.568	2.984	3.256	4.171	68.324	0.094
442.66	69.21	66.06	44.44	38.90	33.48	30.69	23.96		1.445	1.514	2.250	2.571	2.987	3.258	4.174	68.376	0.094
442.86	69.14	65.99	44.40	38.87	33.46	30.66	23.94		1.446	1.515	2.252	2.573	2.989	3.262	4.176	68.431	0.094
443.07	69.08	65.94	44.37	38.84													

444.29	68.62	65.54	44.15	38.65	33.28	30.49	23.84		1.457	1.526	2.265	2.587	3.005	3.280	4.195	68.809	0.095
444.49	68.54	65.47	44.12	38.62	33.25	30.46	23.82		1.459	1.527	2.267	2.590	3.007	3.283	4.198	68.868	0.095
444.7	68.45	65.39	44.08	38.58	33.22	30.44	23.81		1.461	1.529	2.269	2.592	3.010	3.285	4.201	68.928	0.095
444.9	68.35	65.31	44.04	38.54	33.20	30.41	23.78		1.463	1.531	2.271	2.595	3.012	3.288	4.204	68.994	0.095
445.1	68.26	65.23	44.00	38.51	33.18	30.39	23.77		1.465	1.533	2.273	2.597	3.014	3.291	4.206	69.046	0.095
445.31	68.18	65.16	43.96	38.48	33.16	30.37	23.76		1.467	1.535	2.275	2.599	3.016	3.293	4.208	69.093	0.095
445.51	68.10	65.09	43.92	38.45	33.13	30.35	23.75		1.468	1.536	2.277	2.601	3.018	3.295	4.210	69.147	0.095
445.71	68.00	65.01	43.88	38.41	33.11	30.33	23.73		1.471	1.538	2.279	2.603	3.020	3.297	4.214	69.203	0.095
445.92	67.91	64.93	43.84	38.37	33.09	30.31	23.72		1.473	1.540	2.281	2.606	3.022	3.299	4.217	69.266	0.095
446.12	67.82	64.86	43.81	38.35	33.07	30.30	23.71		1.475	1.542	2.283	2.607	3.024	3.301	4.218	69.306	0.095
446.32	67.73	64.79	43.78	38.32	33.06	30.27	23.70		1.477	1.543	2.284	2.610	3.025	3.303	4.220	69.353	0.096
446.53	67.65	64.73	43.75	38.30	33.05	30.27	23.70		1.478	1.545	2.286	2.611	3.026	3.304	4.220	69.383	0.096
446.73	67.55	64.65	43.71	38.27	33.02	30.25	23.69		1.480	1.547	2.288	2.613	3.028	3.306	4.221	69.436	0.096
446.93	67.44	64.55	43.66	38.23	33.00	30.22	23.68		1.483	1.549	2.290	2.616	3.031	3.309	4.223	69.496	0.096
447.14	67.33	64.46	43.62	38.20	32.97	30.21	23.66		1.485	1.551	2.293	2.618	3.033	3.310	4.226	69.553	0.096
447.34	67.23	64.38	43.58	38.17	32.96	30.19	23.66		1.487	1.553	2.295	2.620	3.034	3.312	4.227	69.598	0.096
447.54	67.15	64.31	43.55	38.15	32.95	30.19	23.65		1.489	1.555	2.296	2.621	3.035	3.313	4.227	69.630	0.096
447.75	67.04	64.22	43.51	38.13	32.94	30.17	23.65		1.492	1.557	2.298	2.623	3.036	3.314	4.229	69.675	0.096
447.95	66.94	64.14	43.47	38.10	32.92	30.16	23.65		1.494	1.559	2.301	2.625	3.038	3.316	4.229	69.718	0.096
448.15	66.84	64.06	43.44	38.08	32.92	30.16	23.65		1.496	1.561	2.302	2.626	3.038	3.316	4.229	69.743	0.096
448.36	66.74	63.98	43.41	38.06	32.90	30.15	23.64		1.498	1.563	2.304	2.627	3.039	3.316	4.230	69.780	0.096
448.56	66.63	63.90	43.37	38.03	32.89	30.14	23.64		1.501	1.565	2.306	2.629	3.040	3.317	4.230	69.820	0.096
448.76	66.53	63.82	43.34	38.03	32.89	30.15	23.65		1.503	1.567	2.307	2.630	3.041	3.317	4.229	69.838	0.096
448.97	66.43	63.75	43.31	38.02	32.88	30.14	23.65		1.505	1.569	2.309	2.630	3.041	3.318	4.228	69.859	0.096
449.17	66.35	63.69	43.29	38.01	32.88	30.15	23.66		1.507	1.570	2.310	2.631	3.041	3.317	4.226	69.869	0.096
449.37	66.24	63.61	43.26	38.00	32.88	30.15	23.67		1.510	1.572	2.312	2.632	3.041	3.317	4.225	69.892	0.096
449.58	66.14	63.53	43.23	37.99	32.88	30.15	23.68		1.512	1.574	2.313	2.633	3.042	3.317	4.223	69.912	0.096
449.78	66.03	63.45	43.20	37.97	32.88	30.15	23.69		1.514	1.576	2.315	2.633	3.042	3.316	4.221	69.928	0.096
449.98	65.92	63.37	43.18	37.97	32.88	30.16	23.71		1.517	1.578	2.316	2.634	3.042	3.316	4.218	69.936	0.096
450.19	65.83	63.30	43.16	37.97	32.88	30.17	23.73		1.519	1.580	2.317	2.634	3.041	3.314	4.215	69.935	0.096
450.39	65.72	63.22	43.12	37.95	32.88	30.17	23.74		1.522	1.582	2.319	2.635	3.041	3.314	4.213	69.955	0.096
450.59	65.62	63.15	43.10	37.95	32.89	30.19	23.76		1.524	1.584	2.320	2.635	3.041	3.313	4.210	69.957	0.096
450.79	65.51	63.07	43.07	37.95	32.89	30.19	23.77		1.527	1.586	2.322	2.635	3.040	3.312	4.207	69.966	0.096
451	65.42	63.00	43.06	37.95	32.91	30.21	23.80		1.529	1.587	2.323	2.635	3.038	3.310	4.203	69.950	0.096
451.2	65.32	62.95	43.04	37.96	32.93	30.23	23.82		1.531	1.589	2.323	2.634	3.037	3.308	4.198	69.932	0.096
451.4	65.23	62.88	43.03	37.96	32.94	30.25	23.85		1.533	1.590	2.324	2.634	3.035	3.305	4.193	69.920	0.096
451.61	65.13	62.81	43.01	37.97	32.96	30.28	23.88		1.535	1.592	2.325	2.634	3.034	3.303	4.188	69.905	0.096
451.81	65.04	62.76	43.01	37.99	32.99	30.31	23.91		1.537	1.593	2.325	2.633	3.032	3.299	4.182	69.868	0.096
452.01	64.96	62.72	43.00	38.01	33.01	30.34	23.95		1.539	1.594	2.325	2.631	3.030	3.296	4.176	69.831	0.096
452.22	64.86	62.65	42.99	38.01	33.02	30.37	23.98		1.542	1.596	2.326	2.631	3.028	3.293	4.171	69.812	0.096
452.42	64.77	62.61	42.99	38.03	33.05	30.40	24.02		1.544	1.597	2.326	2.629	3.025	3.289	4.164	69.771	0.096
452.62	64.76	62.63	43.02	38.09	33.11	30.46	24.08		1.544	1.597	2.324	2.625	3.020	3.283	4.153	69.663	0.096
452.83	64.74	62.64	43.06	38.15	33.18	30.53	24.14		1.545	1.596	2.322	2.621	3.014	3.275	4.142	69.552	0.096
453.03	64.71	62.64	43.10	38.20	33.23	30.59	24.20		1.545	1.596	2.320	2.617	3.009	3.269	4.132	69.457	0.096
453.23	64.68	62.65	43.14	38.26	33.30	30.66	24.27		1.546	1.596	2.318	2.613	3.003	3.262	4.121	69.342	0.095
453.43	64.71	62.71	43.21	38.35	33.39	30.75	24.35		1.545	1.595	2.314	2.607	2.995	3.252	4.107	69.182	0.095
453.64	64.69	62.73	43.25	38.41	33.46	30.82	24.42		1.546	1.594	2.312	2.603	2.989	3.244	4.095	69.068	0.095
453.84	64.74	62.81	43.33	38.52	33.56	30.93	24.51		1.545	1.592	2.308	2.596	2.980	3.234	4.079	68.877	0.095
454.04	64.71	62.82	43.36	38.57	33.63	30.99	24.58		1.545	1.592	2.306	2.593	2.974	3.227	4.068	68.772	0.095
454.25	64.73	62.87	43.43	38.66	33.72	31.08	24.66		1.545	1.591	2.303	2.587	2.966	3.217	4.055	68.616	0.094
454.45	64.72	62.90	43.48	38.73	33.79	31.16	24.74		1.545	1.590	2.300	2.582	2.959	3.209	4.042	68.484	0.094
454.65	64.71	62.93	43.53	38.81	33.87	31.24	24.82		1.545	1.589	2.297	2.577	2.952	3.201	4.030	68.347	0.094
454.85	64.70	62.95	43.58	38.87	33.95	31.32	24.89		1.546	1.589	2.295	2.572	2.946	3.193	4.017	68.217	0.094
455.06	64.66	62.95	43.61	38.93	34.01	31.39	24.96		1.547	1.589	2.293	2.569	2.941	3.185	4.006	68.110	0.094
455.26	64.59	62.92	43.62	38.96	34.05	31.45	25.02		1.548	1.589	2.293	2.567	2.937	3.180	3.997	68.040	0.094
455.46	64.58	62.95	43.67	39.03	34.13	31.53	25.09		1.548	1.588	2.290	2.562	2.930	3.171	3.985	67.909	0.094
455.67	64.51	62.93	43.68	39.08	34.18	31.59	25.15		1.550	1.589	2.289	2.559	2.926	3.165	3.976	67.827	0.093
455.87	64.44	62.90	43.69	39.11	34.22	31.64	25.21		1.552	1.590	2.289	2.557	2.922	3.160	3.967	67.761	0.093
456.07	64.36	62.86	43.70	39.14	34.27	31.69	25.26		1.554	1.591	2.289	2.555	2.918	3.155	3.958	67.695	0.093
456.27	64.25	62.79	43.68	39.15	34.30	31.73	25.31		1.556	1.593	2.289	2.554	2.916	3.152	3.952	67.661	0.093
456.48	64.14	62.72	43.66	39.17	34.32	31.77	25.35		1.559	1.594	2.290	2.553	2.914	3.148	3.945	67.629	0.093
456.68	63.97	62.58	43.60	39.14	34.31	31.77	25.36		1.563	1.598	2.294	2.555	2.915	3.148	3.943	67.671	0.093
456.88	63.72	62.37	43.48	39.06	34.26	31.73	25.35		1.569	1.603	2.300	2.560	2.919	3.152	3.945	67.796	0.093
457.09	63.45	62.14	43.35	38.97	34.20	31.69	25.32		1.576	1.609	2.307	2.566	2.924	3.156	3.940	67.939	0.094
457.29	63.18	61.91	43.22	38.88	34.14	31.64	25.30		1.583	1.615	2.314	2.572	2.929	3.161	3.952	68.082	0.094
457.49	62.90	61.68	43.08	38.79	34.07	31.59	25.28		1.590	1.621	2.321	2.578	2.935	3.165	3.956	68.237	0.094
457.69	62.58	61.39	42.90	38.66	33.97	31.52	25.23		1.598	1.629	2.331	2.587	2.943	3.173	3.964	68.445	0.094
457.9	62.27	61.13	42.75	38.54	33.89	31.45	25.19		1.606	1.636	2.339	2.594	2.951	3.180	3.970	68.636	0.095
458.1	61.90	60.81	42.54	38.39	33												

459.31	59.92	59.08	41.47	37.59	33.14	30.85	24.79		1.669	1.693	2.411	2.660	3.018	3.242	4.035	70.270	0.097
459.52	59.63	58.82	41.31	37.48	33.05	30.78	24.74		1.677	1.700	2.421	2.668	3.026	3.249	4.042	70.465	0.097
459.72	59.28	58.50	41.11	37.32	32.93	30.68	24.67		1.687	1.709	2.433	2.680	3.037	3.260	4.054	70.740	0.097
459.92	58.98	58.23	40.95	37.19	32.83	30.60	24.62		1.696	1.717	2.442	2.689	3.046	3.268	4.061	70.953	0.098
460.13	58.68	57.97	40.78	37.07	32.74	30.52	24.57		1.704	1.725	2.452	2.697	3.054	3.277	4.069	71.165	0.098
460.33	58.37	57.69	40.60	36.94	32.63	30.43	24.51		1.713	1.734	2.463	2.707	3.065	3.286	4.080	71.408	0.098
460.53	58.09	57.44	40.44	36.82	32.54	30.36	24.47		1.722	1.741	2.473	2.716	3.073	3.294	4.087	71.611	0.099
460.73	57.82	57.20	40.29	36.72	32.46	30.29	24.43		1.729	1.748	2.482	2.724	3.081	3.302	4.094	71.799	0.099
460.94	57.60	57.02	40.18	36.64	32.40	30.25	24.40		1.736	1.754	2.489	2.729	3.086	3.306	4.098	71.932	0.099
461.14	57.41	56.85	40.08	36.58	32.36	30.22	24.39		1.742	1.759	2.495	2.734	3.091	3.309	4.100	72.042	0.099
461.34	57.24	56.71	40.00	36.53	32.32	30.20	24.38		1.747	1.763	2.500	2.738	3.094	3.312	4.101	72.129	0.099
461.54	57.07	56.58	39.92	36.48	32.28	30.17	24.38		1.752	1.768	2.505	2.741	3.098	3.314	4.102	72.211	0.099
461.75	56.90	56.43	39.84	36.42	32.25	30.15	24.37		1.758	1.772	2.510	2.746	3.101	3.317	4.104	72.305	0.100
461.95	56.73	56.29	39.76	36.37	32.21	30.12	24.36		1.763	1.776	2.515	2.750	3.105	3.320	4.105	72.393	0.100
462.15	56.58	56.18	39.70	36.33	32.19	30.11	24.36		1.767	1.780	2.519	2.752	3.107	3.321	4.104	72.451	0.100
462.35	56.45	56.06	39.63	36.29	32.17	30.10	24.36		1.772	1.784	2.523	2.755	3.109	3.323	4.105	72.518	0.100
462.56	56.32	55.96	39.58	36.26	32.15	30.09	24.37		1.775	1.787	2.527	2.758	3.110	3.323	4.104	72.565	0.100
462.76	56.20	55.85	39.52	36.23	32.13	30.08	24.37		1.779	1.790	2.531	2.760	3.113	3.324	4.104	72.623	0.100
462.96	56.09	55.77	39.47	36.20	32.12	30.08	24.37		1.783	1.793	2.533	2.762	3.114	3.324	4.103	72.656	0.100
463.16	55.98	55.69	39.42	36.17	32.10	30.08	24.38		1.786	1.796	2.537	2.764	3.115	3.325	4.102	72.697	0.100
463.36	55.89	55.61	39.38	36.15	32.10	30.08	24.39		1.789	1.798	2.539	2.766	3.116	3.324	4.100	72.723	0.100
463.57	55.81	55.55	39.35	36.14	32.10	30.09	24.40		1.792	1.800	2.541	2.767	3.116	3.323	4.098	72.733	0.100
463.77	55.73	55.49	39.34	36.14	32.09	30.09	24.42		1.794	1.802	2.542	2.767	3.116	3.323	4.096	72.746	0.100
463.97	55.66	55.43	39.31	36.13	32.09	30.10	24.44		1.797	1.804	2.544	2.768	3.116	3.322	4.092	72.752	0.100
464.17	55.61	55.40	39.30	36.13	32.09	30.11	24.45		1.798	1.805	2.545	2.768	3.116	3.321	4.089	72.748	0.100
464.38	55.56	55.37	39.29	36.14	32.11	30.13	24.48		1.800	1.806	2.545	2.767	3.114	3.319	4.085	72.725	0.100
464.58	55.52	55.34	39.28	36.14	32.12	30.15	24.50		1.801	1.807	2.546	2.767	3.113	3.317	4.082	72.730	0.100
464.78	55.49	55.32	39.28	36.15	32.13	30.17	24.52		1.802	1.808	2.546	2.766	3.112	3.315	4.078	72.689	0.100
464.98	55.46	55.31	39.28	36.16	32.15	30.19	24.54		1.803	1.808	2.546	2.766	3.110	3.312	4.074	72.660	0.100
465.19	55.45	55.31	39.28	36.17	32.17	30.21	24.57		1.804	1.808	2.546	2.765	3.108	3.310	4.070	72.625	0.100
465.39	55.44	55.31	39.30	36.19	32.20	30.24	24.60		1.804	1.808	2.545	2.763	3.106	3.307	4.065	72.580	0.100
465.59	55.44	55.31	39.31	36.21	32.22	30.26	24.62		1.804	1.808	2.544	2.762	3.103	3.305	4.061	72.542	0.100
465.79	55.43	55.31	39.32	36.22	32.25	30.29	24.65		1.804	1.808	2.543	2.761	3.101	3.302	4.058	72.503	0.100
465.99	55.44	55.33	39.34	36.25	32.28	30.32	24.68		1.804	1.807	2.542	2.759	3.098	3.298	4.052	72.449	0.100
466.2	55.45	55.35	39.36	36.27	32.31	30.35	24.71		1.803	1.807	2.541	2.757	3.095	3.295	4.048	72.394	0.100
466.4	55.49	55.38	39.39	36.31	32.34	30.39	24.74		1.802	1.806	2.538	2.754	3.092	3.291	4.042	72.321	0.100
466.6	55.51	55.41	39.43	36.35	32.38	30.42	24.78		1.801	1.805	2.536	2.751	3.089	3.287	4.036	72.251	0.099
466.8	55.54	55.44	39.46	36.39	32.41	30.45	24.81		1.801	1.804	2.534	2.748	3.086	3.284	4.031	72.186	0.099
467.01	55.58	55.48	39.49	36.43	32.45	30.49	24.85		1.799	1.802	2.532	2.745	3.082	3.279	4.024	72.105	0.099
467.21	55.61	55.52	39.53	36.46	32.49	30.53	24.89		1.798	1.801	2.530	2.743	3.078	3.276	4.018	72.030	0.099
467.41	55.66	55.57	39.57	36.51	32.53	30.57	24.93		1.797	1.800	2.527	2.739	3.074	3.272	4.012	71.944	0.099
467.61	55.71	55.62	39.61	36.55	32.57	30.61	24.97		1.795	1.798	2.525	2.736	3.070	3.267	4.005	71.862	0.099
467.81	55.76	55.68	39.65	36.59	32.61	30.65	25.01		1.793	1.796	2.522	2.733	3.066	3.263	3.999	71.777	0.099
468.02	55.81	55.73	39.69	36.63	32.66	30.68	25.04		1.792	1.794	2.520	2.730	3.062	3.259	3.993	71.697	0.099
468.22	55.86	55.79	39.74	36.68	32.71	30.73	25.08		1.790	1.793	2.516	2.726	3.058	3.254	3.987	71.605	0.099
468.42	55.91	55.83	39.78	36.72	32.75	30.77	25.11		1.789	1.791	2.514	2.723	3.054	3.250	3.982	71.523	0.098
468.62	55.95	55.88	39.82	36.76	32.78	30.80	25.14		1.787	1.789	2.511	2.720	3.051	3.247	3.978	71.459	0.098
468.82	56.01	55.93	39.87	36.80	32.83	30.84	25.17		1.785	1.788	2.508	2.717	3.046	3.242	3.972	71.372	0.098
469.03	56.07	55.99	39.91	36.85	32.88	30.88	25.21		1.784	1.786	2.506	2.714	3.042	3.238	3.967	71.286	0.098
469.23	56.12	56.04	39.96	36.89	32.92	30.92	25.25		1.782	1.784	2.502	2.710	3.038	3.234	3.961	71.205	0.098
469.43	56.16	56.09	40.00	36.94	32.95	30.95	25.28		1.781	1.783	2.500	2.707	3.035	3.231	3.956	71.132	0.098
469.63	56.20	56.12	40.04	36.97	32.99	30.99	25.31		1.779	1.782	2.497	2.705	3.031	3.227	3.950	71.057	0.098
469.83	56.23	56.17	40.07	37.01	33.03	31.02	25.35		1.778	1.780	2.496	2.702	3.028	3.224	3.945	70.985	0.098
470.04	56.27	56.20	40.11	37.05	33.06	31.05	25.39		1.777	1.779	2.493	2.699	3.025	3.220	3.939	70.916	0.098
470.24	56.30	56.24	40.15	37.09	33.09	31.08	25.41		1.776	1.778	2.491	2.696	3.022	3.217	3.935	70.853	0.098
470.44	56.34	56.28	40.19	37.13	33.13	31.12	25.45		1.775	1.777	2.488	2.693	3.018	3.213	3.929	70.774	0.097
470.64	56.37	56.30	40.22	37.16	33.17	31.15	25.48		1.774	1.776	2.486	2.691	3.015	3.210	3.925	70.715	0.097
470.84	56.39	56.33	40.25	37.19	33.20	31.18	25.51		1.773	1.775	2.485	2.689	3.013	3.207	3.921	70.661	0.097
471.05	56.43	56.37	40.29	37.22	33.24	31.21	25.54		1.772	1.774	2.482	2.687	3.009	3.204	3.916	70.591	0.097
471.25	56.45	56.41	40.31	37.26	33.26	31.25	25.57		1.771	1.773	2.481	2.684	3.006	3.201	3.911	70.529	0.097
471.45	56.46	56.41	40.33	37.29	33.29	31.27	25.58		1.771	1.773	2.480	2.682	3.004	3.198	3.909	70.488	0.097
471.65	56.45	56.42	40.34	37.30	33.30	31.29	25.60		1.771	1.773	2.479	2.681	3.003	3.196	3.906	70.461	0.097
471.85	56.47	56.44	40.38	37.33	33.33	31.32	25.63		1.771	1.772	2.477	2.679	3.000	3.193	3.901	70.402	0.097
472.06	56.47	56.45	40.40	37.36	33.36	31.35	25.66		1.771	1.772	2.475	2.677	2.998	3.190	3.898	70.356	0.097
472.26	56.47	56.45	40.42	37.38	33.39	31.38	25.68		1.771	1.771	2.474	2.676	2.995	3.187	3.894	70.313	0.097
472.46	56.47	56.46	40.44	37.40	33.41	31.40	25.70		1.771	1.771	2.473	2.674	2.993	3.185	3.890	70.270	0.097
472.66	56.46	56.47	40.45	37.42	33.44	31.42	25.73		1.771	1.771	2.472	2.672	2.991	3.183	3.886	70.228	0.097
472.86	56.45	56.46	40.47	37.44	33.46	31.45	25.76		1.771	1.771	2.471	2.671	2.988	3.180	3.881	70.183	0.097
473.06	56.43	56.46	40.48	37.46</													

474.28	56.29	56.40	40.49	37.53	33.57	31.58	25.90		1.776	1.773	2.470	2.665	2.979	3.166	3.860	70.008	0.096
474.48	56.26	56.39	40.50	37.54	33.59	31.60	25.92		1.777	1.774	2.469	2.664	2.977	3.164	3.858	69.986	0.096
474.68	56.22	56.37	40.49	37.54	33.59	31.62	25.93		1.779	1.774	2.470	2.664	2.977	3.163	3.856	69.980	0.096
474.88	56.18	56.34	40.48	37.54	33.60	31.62	25.94		1.780	1.775	2.470	2.664	2.976	3.162	3.855	69.978	0.096
475.08	56.15	56.32	40.49	37.55	33.62	31.64	25.97		1.781	1.776	2.470	2.663	2.975	3.160	3.851	69.950	0.096
475.28	56.11	56.28	40.48	37.56	33.62	31.66	25.98		1.782	1.777	2.470	2.662	2.974	3.159	3.849	69.941	0.096
475.49	56.06	56.25	40.48	37.55	33.63	31.66	25.99		1.784	1.778	2.470	2.663	2.973	3.159	3.847	69.939	0.096
475.69	56.04	56.23	40.49	37.57	33.65	31.68	26.02		1.785	1.779	2.470	2.662	2.972	3.157	3.843	69.912	0.096
475.89	56.00	56.20	40.49	37.59	33.66	31.70	26.04		1.786	1.779	2.470	2.660	2.971	3.155	3.840	69.889	0.096
476.09	55.97	56.19	40.49	37.60	33.68	31.71	26.06		1.787	1.780	2.470	2.659	2.969	3.154	3.837	69.866	0.096
476.29	55.94	56.16	40.49	37.61	33.70	31.73	26.09		1.788	1.781	2.470	2.659	2.968	3.151	3.833	69.839	0.096
476.49	55.91	56.14	40.48	37.63	33.71	31.74	26.11		1.789	1.781	2.470	2.658	2.967	3.150	3.830	69.824	0.096
476.69	55.86	56.10	40.46	37.62	33.70	31.74	26.12		1.790	1.783	2.471	2.658	2.967	3.150	3.828	69.833	0.096
476.9	55.83	56.07	40.45	37.61	33.70	31.75	26.13		1.791	1.783	2.472	2.659	2.967	3.150	3.826	69.834	0.096
477.1	55.78	56.04	40.44	37.62	33.71	31.76	26.15		1.793	1.784	2.473	2.658	2.967	3.148	3.825	69.826	0.096
477.3	55.76	56.02	40.45	37.63	33.73	31.79	26.16		1.793	1.785	2.472	2.657	2.965	3.146	3.822	69.798	0.096
477.5	55.73	55.99	40.44	37.64	33.74	31.81	26.19		1.794	1.786	2.473	2.657	2.964	3.144	3.818	69.780	0.096
477.7	55.69	55.97	40.44	37.64	33.76	31.82	26.21		1.796	1.787	2.473	2.657	2.962	3.142	3.815	69.762	0.096
477.9	55.67	55.94	40.44	37.64	33.77	31.84	26.23		1.796	1.788	2.473	2.657	2.961	3.141	3.813	69.746	0.096
478.11	55.63	55.92	40.45	37.66	33.79	31.86	26.25		1.797	1.788	2.472	2.655	2.959	3.139	3.809	69.717	0.096
478.31	55.61	55.89	40.45	37.67	33.81	31.88	26.27		1.798	1.789	2.472	2.654	2.958	3.137	3.806	69.698	0.096
478.51	55.59	55.87	40.45	37.69	33.83	31.90	26.30		1.799	1.790	2.472	2.653	2.956	3.135	3.802	69.667	0.096
478.71	55.57	55.86	40.46	37.70	33.85	31.92	26.32		1.800	1.790	2.471	2.652	2.954	3.133	3.799	69.637	0.096
478.91	55.55	55.84	40.46	37.71	33.87	31.94	26.34		1.800	1.791	2.471	2.651	2.953	3.131	3.796	69.613	0.096
479.11	55.52	55.83	40.47	37.73	33.89	31.96	26.37		1.801	1.791	2.471	2.651	2.951	3.129	3.793	69.581	0.096
479.31	55.51	55.83	40.48	37.74	33.91	31.99	26.39		1.801	1.791	2.471	2.650	2.949	3.126	3.790	69.550	0.096
479.52	55.49	55.83	40.49	37.75	33.93	32.01	26.42		1.802	1.791	2.470	2.649	2.947	3.124	3.785	69.512	0.096
479.72	55.49	55.83	40.50	37.79	33.95	32.04	26.45		1.802	1.791	2.469	2.646	2.945	3.121	3.781	69.465	0.096
479.92	55.47	55.83	40.50	37.80	33.97	32.05	26.47		1.803	1.791	2.469	2.646	2.944	3.120	3.778	69.440	0.096
480.12	55.48	55.85	40.52	37.82	34.01	32.08	26.50		1.802	1.791	2.468	2.644	2.941	3.117	3.773	69.389	0.096
480.32	55.47	55.84	40.53	37.83	34.02	32.10	26.52		1.803	1.791	2.467	2.643	2.939	3.116	3.770	69.363	0.096
480.52	55.44	55.81	40.52	37.84	34.03	32.09	26.54		1.804	1.792	2.468	2.643	2.939	3.116	3.768	69.359	0.096
480.72	55.43	55.81	40.53	37.84	34.04	32.11	26.55		1.804	1.792	2.467	2.643	2.938	3.114	3.767	69.340	0.095
480.92	55.45	55.83	40.58	37.88	34.08	32.16	26.59		1.803	1.791	2.465	2.640	2.934	3.110	3.761	69.261	0.095
481.13	55.44	55.84	40.60	37.92	34.11	32.20	26.62		1.804	1.791	2.463	2.637	2.932	3.108	3.756	69.205	0.095
481.33	55.45	55.86	40.61	37.93	34.14	32.22	26.65		1.803	1.790	2.462	2.636	2.929	3.104	3.753	69.166	0.095
481.53	55.46	55.87	40.62	37.95	34.16	32.23	26.67		1.803	1.790	2.462	2.635	2.928	3.102	3.749	69.128	0.095
481.73	55.48	55.89	40.66	37.98	34.19	32.26	26.69		1.802	1.789	2.459	2.633	2.925	3.100	3.747	69.080	0.095
481.93	55.50	55.92	40.69	38.01	34.22	32.28	26.73		1.802	1.788	2.458	2.631	2.922	3.097	3.741	69.020	0.095
482.13	55.51	55.94	40.71	38.04	34.25	32.31	26.75		1.802	1.788	2.456	2.629	2.920	3.095	3.738	68.968	0.095
482.33	55.54	55.98	40.75	38.08	34.28	32.34	26.78		1.801	1.786	2.454	2.626	2.917	3.092	3.734	68.907	0.095
482.53	55.57	56.02	40.78	38.12	34.31	32.37	26.80		1.799	1.785	2.452	2.624	2.914	3.089	3.731	68.851	0.095
482.74	55.60	56.06	40.82	38.15	34.34	32.41	26.83		1.799	1.784	2.450	2.621	2.912	3.086	3.727	68.791	0.095
482.94	55.63	56.07	40.84	38.18	34.37	32.43	26.86		1.797	1.783	2.449	2.619	2.910	3.083	3.724	68.741	0.095
483.14	55.67	56.12	40.88	38.22	34.40	32.47	26.88		1.796	1.782	2.446	2.617	2.907	3.079	3.720	68.674	0.095
483.34	55.72	56.15	40.92	38.26	34.43	32.51	26.92		1.795	1.781	2.444	2.613	2.904	3.076	3.714	68.601	0.094
483.54	55.75	56.19	40.96	38.30	34.47	32.53	26.96		1.794	1.780	2.442	2.611	2.901	3.074	3.709	68.534	0.094
483.74	55.78	56.21	40.99	38.33	34.50	32.55	26.98		1.793	1.779	2.440	2.609	2.898	3.072	3.707	68.488	0.094
483.94	55.80	56.23	41.01	38.36	34.52	32.58	27.00		1.792	1.778	2.438	2.607	2.896	3.070	3.704	68.442	0.094
484.14	55.85	56.28	41.06	38.40	34.56	32.61	27.03		1.791	1.777	2.436	2.604	2.894	3.066	3.699	68.369	0.094
484.35	55.87	56.30	41.09	38.43	34.59	32.65	27.06		1.790	1.776	2.434	2.602	2.891	3.063	3.695	68.313	0.094
484.55	55.90	56.35	41.12	38.47	34.63	32.67	27.09		1.789	1.775	2.432	2.600	2.888	3.061	3.692	68.254	0.094
484.75	55.95	56.40	41.16	38.50	34.66	32.72	27.11		1.787	1.773	2.429	2.597	2.885	3.057	3.689	68.186	0.094
484.95	56.00	56.46	41.21	38.55	34.71	32.75	27.14		1.786	1.771	2.427	2.594	2.881	3.053	3.685	68.107	0.094
485.15	56.05	56.51	41.24	38.59	34.74	32.78	27.16		1.784	1.770	2.425	2.591	2.879	3.051	3.681	68.048	0.094
485.35	56.09	56.53	41.26	38.63	34.76	32.80	27.17		1.783	1.769	2.424	2.589	2.877	3.049	3.680	68.006	0.094
485.55	56.14	56.58	41.30	38.67	34.79	32.84	27.20		1.781	1.768	2.421	2.586	2.874	3.045	3.676	67.938	0.094
485.75	56.17	56.62	41.34	38.72	34.82	32.87	27.24		1.780	1.766	2.419	2.583	2.872	3.042	3.672	67.870	0.093
485.95	56.21	56.67	41.39	38.75	34.85	32.90	27.27		1.779	1.765	2.416	2.580	2.869	3.039	3.666	67.799	0.093
486.15	56.25	56.70	41.42	38.77	34.86	32.93	27.28		1.778	1.764	2.414	2.579	2.868	3.037	3.665	67.766	0.093
486.36	56.28	56.73	41.45	38.81	34.89	32.95	27.30		1.777	1.763	2.413	2.576	2.866	3.035	3.663	67.714	0.093
486.56	56.30	56.76	41.48	38.83	34.92	32.97	27.33		1.776	1.762	2.411	2.575	2.864	3.033	3.659	67.668	0.093
486.76	56.33	56.79	41.50	38.86	34.94	32.99	27.34		1.775	1.761	2.409	2.574	2.862	3.031	3.658	67.632	0.093
486.96	56.34	56.80	41.52	38.88	34.97	32.99	27.35		1.775	1.761	2.409	2.572	2.859	3.031	3.656	67.603	0.093
487.16	56.37	56.84	41.54	38.92	34.99	33.03	27.38		1.774	1.759	2.407	2.569	2.858	3.028	3.652	67.543	0.093
487.36	56.40	56.87	41.57	38.94	35.02	33.03	27.41		1.773	1.758	2.406	2.568	2.856	3.028	3.648	67.505	0.093
487.56	56.41	56.88	41.58	38.95	35.04	33.04	27.43		1.773	1.758	2.405	2.568	2.854	3.026	3.646	67.479	0.093
487.76	56.44	56.91	41.60	38.97	35.04	33.06	27.44		1.772	1.757	2.404	2.566	2.854	3.024	3.644	67.443	0.093
487.96	56.47	56.94	41.64	38.98													

489.17	56.56	57.03	41.72	39.09	35.16	33.18	27.55		1.768	1.754	2.397	2.558	2.844	3.014	3.630	67.229	0.093
489.37	56.58	57.03	41.75	39.12	35.19	33.20	27.56		1.768	1.753	2.395	2.557	2.841	3.012	3.628	67.188	0.093
489.57	56.58	57.04	41.78	39.12	35.21	33.22	27.59		1.767	1.753	2.394	2.556	2.840	3.011	3.625	67.157	0.092
489.77	56.58	57.03	41.78	39.13	35.22	33.22	27.59		1.768	1.753	2.394	2.556	2.839	3.010	3.624	67.148	0.092
489.97	56.58	57.02	41.78	39.13	35.22	33.22	27.59		1.768	1.754	2.393	2.556	2.839	3.010	3.624	67.146	0.092
490.17	56.57	57.01	41.77	39.13	35.22	33.23	27.60		1.768	1.754	2.394	2.555	2.839	3.010	3.624	67.145	0.092
490.37	56.57	57.05	41.80	39.16	35.26	33.24	27.62		1.768	1.753	2.392	2.554	2.836	3.008	3.620	67.096	0.092
490.57	56.57	57.06	41.82	39.16	35.27	33.27	27.65		1.768	1.752	2.391	2.553	2.836	3.006	3.617	67.065	0.092
490.77	56.54	57.04	41.80	39.17	35.26	33.26	27.65		1.769	1.753	2.392	2.553	2.836	3.006	3.616	67.074	0.092
490.97	56.54	57.03	41.81	39.17	35.26	33.28	27.67		1.769	1.753	2.392	2.553	2.836	3.005	3.613	67.056	0.092
491.18	56.54	57.05	41.83	39.18	35.25	33.30	27.67		1.769	1.753	2.390	2.552	2.837	3.003	3.614	67.044	0.092
491.38	56.51	57.02	41.82	39.17	35.24	33.27	27.65		1.769	1.754	2.391	2.553	2.838	3.005	3.616	67.079	0.092
491.58	56.48	57.00	41.80	39.18	35.24	33.28	27.66		1.770	1.754	2.392	2.552	2.838	3.005	3.616	67.080	0.092
491.78	56.45	56.98	41.79	39.19	35.23	33.28	27.64		1.772	1.755	2.393	2.552	2.839	3.005	3.618	67.100	0.092
491.98	56.42	56.96	41.77	39.19	35.23	33.27	27.65		1.772	1.755	2.394	2.552	2.838	3.006	3.616	67.100	0.092
492.18	56.37	56.92	41.74	39.19	35.21	33.25	27.64		1.774	1.757	2.396	2.552	2.840	3.008	3.619	67.139	0.092
492.38	56.34	56.89	41.72	39.19	35.20	33.25	27.64		1.775	1.758	2.397	2.552	2.841	3.008	3.618	67.150	0.092
492.58	56.31	56.87	41.72	39.18	35.20	33.25	27.64		1.776	1.758	2.397	2.552	2.841	3.008	3.618	67.156	0.092
492.78	56.29	56.83	41.69	39.19	35.17	33.24	27.62		1.777	1.760	2.398	2.552	2.843	3.008	3.620	67.186	0.093
492.98	56.26	56.79	41.67	39.17	35.16	33.21	27.61		1.778	1.761	2.400	2.553	2.844	3.011	3.622	67.229	0.093
493.18	56.23	56.79	41.67	39.16	35.17	33.21	27.59		1.778	1.761	2.400	2.554	2.844	3.011	3.624	67.238	0.093
493.38	56.16	56.73	41.64	39.13	35.12	33.18	27.58		1.781	1.763	2.401	2.556	2.848	3.013	3.626	67.257	0.093
493.58	56.11	56.69	41.62	39.10	35.11	33.14	27.56		1.782	1.764	2.403	2.558	2.848	3.017	3.629	67.349	0.093
493.78	56.08	56.67	41.59	39.08	35.11	33.12	27.55		1.783	1.765	2.404	2.559	2.849	3.019	3.630	67.377	0.093
493.98	56.03	56.65	41.58	39.08	35.08	33.10	27.55		1.785	1.765	2.405	2.559	2.850	3.021	3.630	67.401	0.093
494.18	56.00	56.62	41.56	39.07	35.06	33.09	27.55		1.786	1.766	2.406	2.559	2.853	3.022	3.630	67.424	0.093
494.38	55.95	56.56	41.54	39.06	35.06	33.07	27.53		1.787	1.768	2.407	2.560	2.852	3.024	3.632	67.459	0.093
494.59	55.90	56.49	41.51	39.03	35.03	33.05	27.50		1.789	1.770	2.409	2.562	2.854	3.026	3.636	67.517	0.093
494.79	55.87	56.44	41.48	38.99	35.01	33.00	27.48		1.790	1.772	2.411	2.565	2.856	3.030	3.639	67.581	0.093
494.99	55.84	56.43	41.47	38.97	35.01	33.00	27.46		1.791	1.772	2.411	2.566	2.857	3.030	3.642	67.603	0.093
495.19	55.77	56.38	41.44	38.96	35.00	32.97	27.45		1.793	1.774	2.413	2.567	2.857	3.033	3.643	67.639	0.093
495.39	55.71	56.30	41.41	38.92	35.00	32.94	27.44		1.795	1.776	2.415	2.569	2.857	3.036	3.644	67.686	0.093
495.59	55.68	56.29	41.42	38.93	35.00	32.94	27.44		1.796	1.777	2.414	2.569	2.857	3.036	3.644	67.687	0.093
495.79	55.63	56.22	41.37	38.90	34.98	32.90	27.40		1.798	1.779	2.417	2.571	2.859	3.040	3.649	67.757	0.093
495.99	55.63	56.22	41.40	38.89	35.00	32.89	27.42		1.798	1.779	2.416	2.571	2.857	3.040	3.647	67.742	0.093
496.19	55.54	56.14	41.35	38.83	34.95	32.85	27.36		1.800	1.781	2.418	2.575	2.861	3.044	3.656	67.846	0.093
496.39	55.53	56.12	41.34	38.84	34.96	32.87	27.37		1.801	1.782	2.419	2.575	2.860	3.042	3.654	67.839	0.093
496.59	55.50	56.09	41.35	38.82	34.95	32.85	27.36		1.802	1.783	2.419	2.576	2.861	3.044	3.655	67.859	0.093
496.79	55.47	56.07	41.34	38.80	34.94	32.84	27.36		1.803	1.783	2.419	2.577	2.862	3.045	3.656	67.882	0.093
496.99	55.42	56.04	41.32	38.76	34.95	32.80	27.36		1.804	1.784	2.420	2.580	2.862	3.048	3.654	67.912	0.094
497.19	55.38	56.00	41.29	38.73	34.94	32.80	27.36		1.806	1.786	2.422	2.582	2.862	3.048	3.656	67.939	0.094
497.39	55.38	55.96	41.29	38.72	34.96	32.83	27.36		1.806	1.787	2.422	2.583	2.860	3.047	3.655	67.931	0.094
497.59	55.32	55.88	41.26	38.68	34.91	32.77	27.33		1.808	1.789	2.424	2.585	2.864	3.052	3.659	68.016	0.094
497.79	55.28	55.85	41.25	38.66	34.89	32.77	27.33		1.809	1.790	2.424	2.587	2.866	3.052	3.659	68.037	0.094
497.99	55.23	55.82	41.25	38.67	34.88	32.75	27.33		1.811	1.792	2.424	2.586	2.867	3.053	3.659	68.051	0.094
498.19	55.19	55.77	41.25	38.63	34.88	32.73	27.31		1.812	1.793	2.424	2.589	2.867	3.055	3.662	68.091	0.094
498.39	55.14	55.76	41.24	38.59	34.88	32.71	27.29		1.814	1.794	2.425	2.591	2.867	3.058	3.664	68.126	0.094
498.59	55.12	55.76	41.24	38.60	34.87	32.69	27.26		1.814	1.794	2.425	2.591	2.868	3.059	3.668	68.152	0.094
498.79	55.10	55.75	41.21	38.60	34.84	32.69	27.26		1.815	1.794	2.426	2.590	2.870	3.059	3.669	68.170	0.094
498.99	55.09	55.75	41.24	38.65	34.87	32.71	27.30		1.815	1.794	2.425	2.587	2.868	3.057	3.663	68.114	0.094
499.19	55.07	55.76	41.24	38.65	34.87	32.72	27.31		1.816	1.793	2.425	2.587	2.868	3.057	3.661	68.103	0.094
499.39	55.10	55.75	41.26	38.65	34.85	32.72	27.31		1.815	1.794	2.424	2.588	2.869	3.056	3.661	68.103	0.094
499.59	55.09	55.75	41.26	38.66	34.84	32.72	27.30		1.815	1.794	2.423	2.587	2.870	3.056	3.663	68.108	0.094
499.79	55.04	55.73	41.24	38.63	34.82	32.71	27.27		1.817	1.794	2.425	2.588	2.872	3.057	3.667	68.155	0.094
499.99	55.02	55.73	41.24	38.62	34.81	32.70	27.25		1.817	1.794	2.425	2.589	2.872	3.058	3.670	68.174	0.094
500.19	55.00	55.70	41.21	38.58	34.74	32.67	27.21		1.818	1.795	2.427	2.592	2.878	3.061	3.675	68.254	0.094
500.39	54.96	55.66	41.20	38.58	34.72	32.65	27.19		1.820	1.797	2.427	2.592	2.880	3.063	3.678	68.290	0.094
500.59	54.94	55.67	41.21	38.55	34.69	32.64	27.18		1.820	1.796	2.427	2.594	2.882	3.064	3.679	68.312	0.094
500.79	54.93	55.64	41.19	38.54	34.68	32.64	27.14		1.821	1.797	2.428	2.595	2.884	3.064	3.684	68.352	0.094
500.99	54.91	55.60	41.13	38.51	34.65	32.63	27.11		1.821	1.798	2.431	2.597	2.886	3.064	3.688	68.401	0.094
501.19	54.90	55.62	41.17	38.54	34.66	32.65	27.11		1.821	1.798	2.429	2.594	2.885	3.063	3.688	68.376	0.094
501.39	54.92	55.63	41.20	38.59	34.65	32.67	27.13		1.821	1.797	2.427	2.592	2.886	3.061	3.687	68.342	0.094
501.59	54.87	55.62	41.18	38.58	34.61	32.61	27.11		1.822	1.798	2.428	2.592	2.889	3.066	3.689	68.398	0.094
501.79	54.92	55.73	41.28	38.64	34.69	32.70	27.17		1.821	1.794	2.423	2.588	2.882	3.058	3.681	68.257	0.094
501.99	54.83	55.68	41.19	38.60	34.61	32.64	27.10		1.824	1.796	2.428	2.591	2.889	3.064	3.690	68.382	0.094
502.19	54.83	55.65	41.17	38.54	34.59	32.64	27.06		1.824	1.797	2.429	2.595	2.891	3.064	3.695	68.431	0.094
502.39	54.86	55.62	41.15	38.53	34.56	32.63	27.02		1.823	1.798	2.430	2.595	2.893	3.065	3.701	68.474	0.094
502.59	54.83	55.60	41.11	38.55	34.56	32.62	26.99		1.824	1.799	2.433	2.594	2.894	3.066	3.705	68.508	0.094
502.79	54.89	55.64	41.17	38													

503.99	54.69	55.52	41.03	38.51	34.45	32.52	26.87		1.828	1.801	2.437	2.597	2.903	3.075	3.722	68.687	0.095
504.19	54.69	55.53	41.04	38.55	34.44	32.55	26.94		1.829	1.801	2.437	2.594	2.903	3.072	3.712	68.628	0.095
504.39	54.75	55.58	41.10	38.62	34.51	32.63	26.96		1.826	1.799	2.433	2.589	2.898	3.065	3.710	68.528	0.094
504.59	54.86	55.64	41.16	38.63	34.54	32.61	26.99		1.823	1.797	2.430	2.589	2.895	3.064	3.706	68.466	0.094
504.79	54.88	55.64	41.15	38.61	34.60	32.60	26.95		1.822	1.797	2.430	2.590	2.891	3.068	3.711	68.487	0.094
504.99	54.83	55.64	41.11	38.59	34.61	32.53	26.96		1.824	1.797	2.433	2.591	2.890	3.074	3.710	68.523	0.094
505.19	54.83	55.66	41.18	38.62	34.61	32.50	26.92		1.824	1.797	2.428	2.589	2.889	3.077	3.714	68.527	0.094
505.39	54.88	55.65	41.17	38.62	34.57	32.53	26.87		1.822	1.797	2.429	2.589	2.893	3.074	3.722	68.562	0.094
505.59	54.83	55.63	41.15	38.59	34.48	32.47	26.80		1.824	1.798	2.430	2.591	2.900	3.080	3.731	68.661	0.095
505.79	54.82	55.55	41.11	38.61	34.47	32.44	26.81		1.824	1.800	2.432	2.590	2.901	3.082	3.730	68.686	0.095
505.99	54.80	55.47	41.04	38.50	34.42	32.39	26.75		1.825	1.803	2.437	2.597	2.905	3.088	3.739	68.810	0.095
506.19	54.83	55.49	41.07	38.55	34.48	32.38	26.76		1.824	1.802	2.435	2.594	2.900	3.088	3.736	68.760	0.095
506.39	54.86	55.54	41.11	38.62	34.44	32.32	26.75		1.823	1.801	2.432	2.589	2.904	3.094	3.739	68.771	0.095
506.59	54.78	55.55	41.11	38.55	34.45	32.29	26.74		1.825	1.800	2.433	2.594	2.903	3.097	3.739	68.805	0.095
506.79	54.82	55.62	41.22	38.62	34.49	32.35	26.80		1.824	1.798	2.426	2.590	2.899	3.091	3.732	68.690	0.095
506.99	54.67	55.50	41.13	38.54	34.40	32.26	26.71		1.829	1.802	2.431	2.595	2.907	3.100	3.743	68.865	0.095
507.19	54.71	55.53	41.14	38.60	34.39	32.23	26.70		1.828	1.801	2.431	2.590	2.908	3.103	3.746	68.862	0.095
507.39	54.72	55.48	41.11	38.58	34.36	32.21	26.72		1.827	1.802	2.432	2.592	2.910	3.105	3.743	68.883	0.095
507.59	54.65	55.41	41.07	38.53	34.30	32.18	26.67		1.830	1.805	2.435	2.595	2.915	3.107	3.749	68.974	0.095
507.79	54.68	55.46	41.17	38.60	34.38	32.21	26.72		1.829	1.803	2.429	2.591	2.909	3.105	3.743	68.870	0.095
507.99	54.74	55.45	41.21	38.65	34.43	32.23	26.74		1.827	1.804	2.427	2.587	2.905	3.103	3.740	68.808	0.095
508.19	54.61	55.31	41.08	38.51	34.32	32.10	26.62		1.831	1.808	2.435	2.597	2.914	3.115	3.757	69.050	0.095
508.39	54.53	55.25	41.08	38.47	34.29	32.06	26.50		1.834	1.810	2.434	2.599	2.917	3.120	3.774	69.165	0.095
508.59	54.43	55.17	41.06	38.39	34.23	31.91	26.44		1.837	1.813	2.436	2.605	2.921	3.134	3.782	69.313	0.095
508.79	54.38	55.11	41.04	38.40	34.22	31.89	26.41		1.839	1.814	2.437	2.604	2.923	3.136	3.787	69.358	0.096
508.99	54.42	55.14	41.06	38.46	34.20	31.94	26.45		1.837	1.814	2.436	2.600	2.924	3.131	3.781	69.298	0.095
509.19	54.32	55.06	41.04	38.40	34.06	31.89	26.37		1.841	1.816	2.437	2.604	2.936	3.136	3.793	69.444	0.096
509.39	54.28	55.04	40.95	38.34	34.01	31.88	26.37		1.842	1.817	2.442	2.608	2.940	3.137	3.792	69.498	0.096
509.58	54.16	55.03	40.93	38.34	34.04	31.80	26.40		1.847	1.817	2.443	2.608	2.937	3.144	3.787	69.519	0.096
509.78	54.20	55.03	40.94	38.35	34.11	31.83	26.38		1.845	1.817	2.443	2.608	2.931	3.141	3.791	69.491	0.096
509.98	54.10	55.03	40.87	38.25	34.05	31.77	26.28		1.848	1.817	2.447	2.614	2.937	3.148	3.805	69.639	0.096
510.18	54.11	55.07	40.87	38.38	34.09	31.78	26.26		1.848	1.816	2.447	2.606	2.933	3.147	3.808	69.590	0.096
510.38	54.15	55.16	40.93	38.41	34.15	31.85	26.30		1.847	1.813	2.443	2.604	2.929	3.139	3.803	69.489	0.096
510.58	54.03	55.02	40.85	38.36	34.13	31.87	26.28		1.851	1.818	2.448	2.607	2.930	3.138	3.805	69.552	0.096
510.78	54.08	55.03	40.89	38.43	34.10	31.85	26.28		1.849	1.817	2.446	2.602	2.933	3.140	3.805	69.543	0.096
510.98	54.04	55.00	40.74	38.37	34.00	31.70	26.23		1.851	1.818	2.454	2.606	2.941	3.155	3.812	69.711	0.096
511.18	54.00	54.99	40.69	38.37	34.00	31.65	26.18		1.852	1.819	2.458	2.606	2.941	3.160	3.820	69.778	0.096
511.38	53.94	54.87	40.63	38.25	33.97	31.66	26.22		1.854	1.822	2.461	2.615	2.944	3.158	3.814	69.825	0.096
511.58	53.88	54.76	40.55	38.21	33.89	31.64	26.12		1.856	1.826	2.466	2.617	2.951	3.160	3.829	69.957	0.096
511.78	53.85	54.77	40.67	38.26	33.95	31.67	26.14		1.857	1.826	2.459	2.614	2.946	3.158	3.826	69.881	0.096
511.98	53.79	54.72	40.57	38.16	33.89	31.63	26.01		1.859	1.828	2.465	2.620	2.951	3.161	3.845	70.043	0.096
512.18	53.65	54.67	40.53	38.05	33.83	31.59	25.98		1.864	1.829	2.467	2.628	2.956	3.165	3.850	70.153	0.097
512.38	53.71	54.73	40.60	38.17	33.90	31.69	26.06		1.862	1.827	2.463	2.620	2.950	3.155	3.837	69.987	0.096
512.58	53.76	54.66	40.53	38.15	33.89	31.69	26.04		1.860	1.830	2.468	2.621	2.950	3.155	3.840	70.019	0.096
512.78	53.73	54.69	40.46	38.16	33.79	31.71	26.00		1.861	1.828	2.472	2.621	2.959	3.153	3.847	70.083	0.097
512.97	53.62	54.68	40.35	38.10	33.74	31.62	25.96		1.865	1.829	2.478	2.624	2.964	3.162	3.853	70.206	0.097
513.17	53.35	54.50	40.23	38.00	33.65	31.48	25.85		1.875	1.835	2.486	2.632	2.971	3.177	3.869	70.454	0.097
513.37	53.34	54.47	40.19	37.96	33.67	31.46	25.83		1.875	1.836	2.488	2.634	2.970	3.179	3.872	70.487	0.097
513.57	53.23	54.40	40.12	37.88	33.65	31.39	25.75		1.879	1.838	2.493	2.640	2.972	3.185	3.883	70.616	0.097
513.77	53.15	54.28	40.09	37.72	33.50	31.30	25.68		1.881	1.842	2.495	2.651	2.985	3.194	3.895	70.814	0.098
513.97	53.04	54.20	40.06	37.70	33.42	31.30	25.63		1.885	1.845	2.496	2.652	2.993	3.205	3.902	70.940	0.098
514.17	53.00	54.18	40.17	37.75	33.41	31.21	25.63		1.887	1.846	2.490	2.649	2.993	3.204	3.901	70.906	0.098
514.37	52.92	54.09	40.20	37.62	33.36	31.09	25.65		1.889	1.849	2.488	2.658	2.998	3.216	3.899	71.008	0.098
514.57	52.92	53.98	40.09	37.46	33.26	31.01	25.48		1.890	1.853	2.494	2.669	3.007	3.225	3.924	71.250	0.098
514.77	53.00	54.15	40.13	37.50	33.24	30.91	25.43		1.887	1.847	2.492	2.667	3.008	3.235	3.933	71.278	0.098
514.97	52.85	53.97	39.99	37.35	33.14	30.78	25.32		1.892	1.853	2.501	2.677	3.018	3.249	3.949	71.530	0.099
515.17	52.70	53.71	39.93	37.20	32.98	30.70	25.14		1.898	1.862	2.505	2.688	3.032	3.257	3.977	71.819	0.099
515.37	52.65	53.55	39.95	37.09	32.86	30.63	25.11		1.899	1.867	2.503	2.696	3.043	3.264	3.982	71.955	0.099
515.56	52.65	53.57	39.94	37.11	32.85	30.55	25.00		1.899	1.867	2.504	2.695	3.044	3.273	3.999	72.048	0.099
515.76	52.56	53.55	39.97	37.11	32.89	30.49	24.96		1.903	1.867	2.502	2.695	3.040	3.280	4.007	72.090	0.099
515.96	52.70	53.57	39.93	37.01	32.80	30.40	24.89		1.898	1.867	2.504	2.702	3.049	3.290	4.018	72.216	0.099
516.16	52.57	53.49	39.76	36.99	32.66	30.26	24.79		1.902	1.870	2.515	2.703	3.062	3.305	4.034	72.443	0.100
516.36	52.50	53.48	39.71	36.95	32.60	30.11	24.73		1.905	1.870	2.518	2.706	3.068	3.321	4.043	72.588	0.100
516.56	52.31	53.31	39.57	36.87	32.45	29.94	24.64		1.912	1.876	2.527	2.712	3.082	3.340	4.059	72.854	0.100
516.76	52.11	53.21	39.49	36.69	32.21	29.71	24.48		1.919	1.879	2.532	2.725	3.104	3.365	4.085	73.218	0.101
516.96	52.11	53.14	39.51	36.68	32.33	29.77	24.48		1.919	1.882	2.531	2.727	3.093	3.359	4.085	73.163	0.101
517.16	52.03	53.09	39.57	36.67	32.28	29.85	24.42		1.922	1.884	2.527	2.727	3.098	3.350	4.095	73.184	0.101
517.36	52.05	53.07	39.63	36.58	32.21	29.79	24.32		1.921	1.884	2.524	2.734	3.104	3.357	4.111	73.303	0.101
517.56	52.09	53.11	39.67	36													

518.75	51.60	52.95	39.20	36.48	31.75	29.46	24.06		1.938	1.889	2.551	2.741	3.150	3.394	4.157	73.937	0.102
518.95	51.61	52.82	39.12	36.37	31.78	29.49	24.03		1.938	1.893	2.556	2.749	3.147	3.391	4.161	73.992	0.102
519.15	51.63	52.86	39.10	36.40	31.72	29.60	24.04		1.937	1.892	2.558	2.747	3.153	3.378	4.161	73.954	0.102
519.35	51.51	52.86	39.12	36.37	31.69	29.49	24.02		1.942	1.892	2.556	2.749	3.156	3.390	4.161	74.034	0.102
519.54	51.43	52.97	39.01	36.39	31.63	29.46	23.94		1.945	1.888	2.564	2.748	3.162	3.394	4.178	74.131	0.102
519.74	51.13	52.71	38.84	36.18	31.49	29.29	23.75		1.956	1.897	2.575	2.764	3.176	3.414	4.210	74.517	0.103
519.94	51.16	52.73	38.92	36.09	31.46	29.39	23.77		1.955	1.897	2.569	2.771	3.179	3.403	4.207	74.481	0.103
520.14	51.05	52.73	38.95	36.14	31.53	29.32	23.75		1.959	1.897	2.568	2.767	3.171	3.411	4.211	74.486	0.103
520.34	51.16	52.76	39.10	36.26	31.58	29.40	23.75		1.955	1.896	2.557	2.758	3.166	3.402	4.210	74.350	0.102
520.54	51.10	52.72	39.11	36.28	31.53	29.33	23.58		1.957	1.897	2.557	2.756	3.171	3.410	4.242	74.511	0.103
520.74	51.05	52.61	38.94	36.09	31.43	29.21	23.39		1.959	1.901	2.568	2.771	3.181	3.424	4.276	74.822	0.103
520.94	51.14	52.69	39.06	36.21	31.73	29.39	23.56		1.955	1.898	2.560	2.762	3.151	3.403	4.244	74.453	0.103
521.14	51.05	52.52	38.91	36.09	31.56	29.06	23.48		1.959	1.904	2.570	2.771	3.169	3.442	4.258	74.799	0.103
521.33	51.05	52.47	38.86	36.04	31.41	28.94	23.50		1.959	1.906	2.574	2.775	3.183	3.456	4.256	74.925	0.103
521.53	50.86	52.43	38.78	36.00	31.27	28.90	23.41		1.966	1.907	2.579	2.778	3.198	3.460	4.272	75.095	0.103
521.73	50.88	52.50	38.73	36.05	31.19	28.98	23.45		1.966	1.905	2.582	2.774	3.206	3.451	4.264	75.051	0.103
521.93	50.84	52.41	38.66	36.08	31.18	28.98	23.41		1.967	1.908	2.586	2.771	3.207	3.450	4.271	75.097	0.103
522.13	50.90	52.22	38.65	36.27	31.24	28.92	23.23		1.965	1.915	2.587	2.757	3.201	3.457	4.304	75.177	0.104
522.33	50.71	52.19	38.66	36.18	31.20	28.87	23.16		1.972	1.916	2.587	2.764	3.205	3.463	4.318	75.306	0.104
522.53	50.57	52.08	38.54	36.18	31.27	28.82	23.23		1.977	1.920	2.595	2.764	3.198	3.470	4.305	75.312	0.104
522.73	50.52	51.96	38.45	35.89	30.98	28.68	22.77		1.979	1.925	2.601	2.786	3.228	3.487	4.391	75.883	0.104
522.92	50.02	51.61	38.26	35.47	30.60	28.31	22.28		1.999	1.938	2.614	2.820	3.268	3.532	4.487	76.749	0.106
523.12	49.68	51.41	38.07	35.33	30.34	28.10	22.15		2.013	1.945	2.627	2.831	3.296	3.559	4.514	77.160	0.106
523.32	49.41	51.29	38.00	35.23	30.34	27.95	22.12		2.024	1.950	2.632	2.838	3.296	3.578	4.520	77.331	0.106
523.52	49.54	51.36	37.90	35.20	30.36	27.97	22.01		2.019	1.947	2.638	2.841	3.294	3.576	4.543	77.397	0.107
523.72	49.52	51.11	37.85	35.15	30.35	27.89	21.95		2.019	1.956	2.642	2.845	3.295	3.586	4.555	77.531	0.107
523.92	49.55	51.22	38.04	35.32	30.53	27.95	22.05		2.018	1.952	2.629	2.831	3.276	3.578	4.535	77.267	0.106
524.12	49.28	51.04	37.68	35.14	30.16	27.51	21.91		2.029	1.959	2.654	2.845	3.316	3.635	4.564	77.871	0.107
524.31	48.95	50.76	37.40	34.99	30.00	27.37	21.79		2.043	1.970	2.674	2.858	3.334	3.653	4.590	78.251	0.108
524.51	48.67	50.67	37.51	34.76	29.88	27.31	21.91		2.054	1.974	2.666	2.877	3.347	3.662	4.565	78.328	0.108
524.71	48.58	50.40	37.32	34.50	29.68	27.28	21.82		2.059	1.984	2.679	2.899	3.369	3.665	4.584	78.636	0.108
524.91	48.47	50.46	37.43	34.21	29.48	27.18	21.55		2.063	1.982	2.671	2.923	3.392	3.679	4.640	78.999	0.109
525.11	48.07	50.26	37.37	34.00	29.15	27.04	21.32		2.081	1.990	2.676	2.941	3.431	3.698	4.691	79.490	0.109
525.31	48.06	50.43	37.39	34.10	29.31	27.36	21.30		2.081	1.983	2.675	2.933	3.412	3.655	4.695	79.243	0.109
525.51	48.00	50.37	37.39	34.12	29.48	27.40	21.25		2.083	1.985	2.674	2.931	3.392	3.649	4.706	79.192	0.109
525.7	48.21	50.24	37.44	34.06	29.48	27.49	21.18		2.074	1.980	2.671	2.936	3.393	3.638	4.722	79.214	0.109
525.9	48.01	50.05	37.22	33.80	29.11	27.15	20.80		2.083	1.998	2.687	2.959	3.436	3.683	4.808	79.937	0.110
526.1	47.95	49.91	37.01	33.78	28.87	26.86	20.65		2.085	2.004	2.702	2.960	3.464	3.723	4.843	80.346	0.111
526.3	47.72	49.81	36.86	33.34	28.41	26.61	20.60		2.096	2.008	2.713	3.000	3.520	3.758	4.855	80.881	0.111
526.5	47.50	49.67	36.85	33.40	28.42	26.47	20.71		2.105	2.013	2.714	2.994	3.519	3.777	4.828	80.884	0.111
526.7	47.66	49.62	37.06	33.44	28.40	26.61	20.65		2.098	2.015	2.698	2.991	3.521	3.758	4.842	80.800	0.111
526.89	47.47	49.59	37.01	33.60	28.53	26.79	21.02		2.107	2.016	2.702	2.976	3.505	3.733	4.758	80.398	0.111
527.09	47.54	49.66	37.04	33.67	28.66	26.86	21.07		2.103	2.014	2.700	2.970	3.489	3.723	4.746	80.232	0.110
527.29	47.45	49.55	37.08	33.71	28.61	26.69	20.90		2.108	2.018	2.697	2.967	3.496	3.746	4.786	80.455	0.111
527.49	47.62	49.62	37.23	33.70	28.69	26.68	20.77		2.100	2.015	2.686	2.967	3.486	3.748	4.815	80.459	0.111
527.69	47.45	49.46	37.22	33.49	28.66	26.61	20.84		2.107	2.022	2.686	2.986	3.489	3.758	4.799	80.556	0.111
527.89	47.24	49.41	37.23	33.29	28.51	26.59	20.86		2.117	2.024	2.686	3.004	3.508	3.761	4.793	80.698	0.111
528.08	47.10	49.09	36.82	32.94	27.95	26.30	20.28		2.123	2.037	2.716	3.036	3.578	3.802	4.931	81.722	0.113
528.28	47.14	49.17	36.91	32.97	28.12	26.31	20.31		2.121	2.034	2.709	3.033	3.557	3.801	4.925	81.589	0.112
528.48	46.84	48.97	36.73	32.75	27.72	26.15	20.08		2.135	2.042	2.723	3.054	3.607	3.824	4.981	82.153	0.113
528.68	46.69	48.86	36.25	32.55	27.47	25.69	19.58		2.142	2.047	2.759	3.073	3.640	3.893	5.108	83.039	0.114
528.88	46.67	49.07	36.16	32.71	27.44	25.60	19.51		2.143	2.038	2.766	3.057	3.644	3.906	5.126	83.089	0.114
529.08	46.67	49.07	36.09	32.97	27.62	25.64	19.58		2.143	2.038	2.771	3.033	3.620	3.900	5.107	82.873	0.114
529.27	46.61	48.97	35.85	32.82	27.49	25.40	19.41		2.146	2.042	2.790	3.047	3.638	3.937	5.151	83.294	0.115
529.47	46.14	48.45	35.53	32.68	26.92	24.85	19.19		2.167	2.064	2.814	3.060	3.715	4.024	5.212	84.202	0.116
529.67	45.98	48.37	35.28	32.37	26.68	24.34	18.74		2.175	2.067	2.835	3.089	3.748	4.109	5.337	85.083	0.117
529.87	45.76	48.27	35.03	32.37	26.52	23.98	18.62		2.185	2.072	2.854	3.089	3.771	4.170	5.372	85.521	0.118
530.07	45.67	47.92	34.98	32.31	26.49	24.06	18.58		2.190	2.087	2.859	3.095	3.775	4.156	5.382	85.613	0.118
530.27	45.61	48.05	35.23	32.31	26.51	24.04	18.54		2.192	2.081	2.839	3.095	3.773	4.160	5.394	85.575	0.118
530.46	45.57	48.03	35.40	32.60	26.76	24.13	18.65		2.194	2.082	2.825	3.067	3.737	4.143	5.362	85.207	0.117
530.66	45.76	48.01	35.28	32.61	26.65	24.04	18.40		2.185	2.083	2.834	3.067	3.753	4.160	5.434	85.505	0.118
530.86	45.53	48.02	34.87	32.35	26.46	23.90	18.16		2.196	2.082	2.868	3.091	3.780	4.184	5.507	86.049	0.118
531.06	45.31	47.84	34.80	32.18	26.31	23.39	17.98		2.207	2.090	2.874	3.107	3.801	4.275	5.562	86.639	0.119
531.26	45.37	47.81	34.74	32.26	26.03	23.31	17.87		2.204	2.091	2.878	3.100	3.842	4.291	5.596	86.882	0.120
531.45	45.09	47.63	34.48	31.74	25.75	23.21	17.65		2.218	2.100	2.900	3.150	3.884	4.309	5.664	87.512	0.121
531.65	44.83	47.45	34.39	31.82	25.47	23.27	17.51		2.231	2.107	2.908	3.143	3.926	4.298	5.712	87.774	0.121
531.85	44.82	47.42	34.25	31.78	25.37	23.21	17.26		2.231	2.109	2.920	3.147	3.942	4.308	5.795	88.108	0.121
532.05	44.48	47.16	33.64	31.44	25.06	22.63	16.75		2.248	2.121	2.973	3.180	3.990	4.419	5.971	89.317	0.123
532.25	44.14	46.83	33.36	31.20													

533.43	42.56	45.58	32.65	30.43	23.41	20.60	15.50		2.350	2.194	3.063	3.287	4.273	4.855	6.451	93.377	0.129
533.63	42.85	45.80	33.21	30.49	23.90	20.93	15.79		2.334	2.183	3.011	3.279	4.184	4.777	6.332	92.444	0.127
533.83	42.43	45.38	33.05	30.39	23.49	20.82	15.58		2.357	2.203	3.025	3.291	4.256	4.804	6.418	93.082	0.128
534.03	42.06	45.13	33.05	30.07	23.49	20.71	15.64		2.377	2.216	3.026	3.325	4.258	4.823	6.391	93.262	0.128
534.23	41.64	45.28	33.00	29.84	23.40	20.14	15.51		2.402	2.208	3.031	3.351	4.274	4.966	6.448	93.909	0.129
534.42	41.11	44.48	32.39	29.44	22.85	19.82	14.93		2.432	2.248	3.087	3.397	4.377	5.046	6.700	95.397	0.131
534.62	40.94	44.61	32.21	28.88	22.76	19.76	14.76		2.443	2.242	3.105	3.462	4.393	5.061	6.777	95.883	0.132
534.82	40.53	44.31	31.94	28.50	22.70	19.45	14.38		2.467	2.257	3.131	3.509	4.406	5.141	6.956	96.780	0.133
535.02	40.06	43.72	31.75	28.08	22.03	18.48	13.84		2.496	2.287	3.149	3.562	4.538	5.412	7.225	98.638	0.136
535.22	40.14	43.36	31.40	27.69	21.79	18.41	13.07		2.491	2.306	3.184	3.611	4.589	5.433	7.651	99.914	0.138
535.41	39.71	43.18	31.03	27.32	21.61	17.85	12.91		2.518	2.316	3.223	3.660	4.628	5.601	7.745	100.877	0.139
535.61	39.85	42.86	30.90	27.54	21.44	17.84	12.96		2.510	2.333	3.236	3.631	4.663	5.606	7.715	100.900	0.139
535.81	39.86	42.68	30.78	27.30	21.29	17.76	12.82		2.509	2.343	3.249	3.663	4.696	5.632	7.800	101.346	0.140
536.01	39.33	42.57	30.32	27.05	21.09	17.21	12.58		2.543	2.349	3.299	3.697	4.741	5.810	7.947	102.407	0.141
536.2	39.45	43.06	30.71	27.16	21.18	17.51	12.99		2.535	2.323	3.257	3.682	4.722	5.710	7.942	101.900	0.140
536.4	39.33	43.30	31.12	27.34	21.11	17.78	12.35		2.543	2.310	3.214	3.658	4.737	5.626	8.095	101.828	0.140
536.6	39.18	43.25	31.09	27.02	21.30	17.77	12.32		2.553	2.312	3.216	3.701	4.695	5.628	8.115	101.919	0.140
536.8	39.55	43.14	31.36	27.19	21.76	17.63	12.07		2.529	2.318	3.189	3.678	4.596	5.671	8.288	101.910	0.140
537	39.24	42.62	30.93	26.74	21.12	16.85	11.67		2.548	2.346	3.233	3.740	4.734	5.935	8.570	103.687	0.143
537.19	39.00	42.34	30.90	26.82	20.90	16.32	11.57		2.564	2.362	3.236	3.729	4.785	6.128	8.640	104.388	0.144
537.39	39.12	42.16	31.18	26.86	21.22	16.72	11.68		2.556	2.372	3.207	3.723	4.713	5.982	8.563	103.695	0.143
537.59	38.82	42.17	30.99	26.93	21.13	16.23	11.27		2.576	2.371	3.227	3.713	4.732	6.160	8.875	104.671	0.144
537.79	37.52	41.23	29.40	25.31	19.48	14.75	9.58		2.665	2.425	3.402	3.952	5.134	6.778	10.444	110.497	0.152
537.98	37.41	41.33	29.22	25.18	19.47	14.46	9.64		2.673	2.420	3.422	3.971	5.137	6.914	10.378	110.756	0.153
538.18	37.20	40.95	28.97	24.86	18.96	13.92	8.99		2.688	2.442	3.452	4.022	5.274	7.183	11.123	112.813	0.155
538.38	36.93	40.62	28.62	24.51	18.95	13.85	8.73		2.708	2.462	3.494	4.080	5.278	7.220	11.456	113.640	0.156
538.58	36.46	40.40	28.40	23.73	18.78	13.28	8.55		2.743	2.475	3.521	4.214	5.326	7.528	11.703	115.095	0.158
538.77	36.48	40.17	28.24	23.96	18.59	12.98	8.17		2.741	2.489	3.541	4.173	5.378	7.704	12.238	116.075	0.160
538.97	36.09	39.55	27.70	23.38	17.98	12.41	7.56		2.771	2.528	3.610	4.278	5.562	8.057	13.227	118.689	0.163
539.17	35.84	39.64	27.14	23.55	18.07	12.37	7.32		2.790	2.523	3.684	4.246	5.533	8.084	13.663	119.247	0.164
539.37	35.25	39.38	26.90	23.25	17.63	11.97	7.16		2.837	2.539	3.718	4.301	5.671	8.396	13.976	120.589	0.166
539.56	35.09	38.86	27.24	23.04	17.81	12.26	6.77		2.850	2.574	3.671	4.340	5.615	8.157	14.770	121.068	0.167
539.76	34.85	39.31	27.60	23.31	17.86	12.21	6.45		2.869	2.544	3.623	4.290	5.598	8.192	15.515	121.520	0.167
539.96	34.50	38.86	27.22	23.12	17.81	11.33	5.79		2.898	2.573	3.674	4.325	5.616	8.828	17.258	124.326	0.171
540.16	34.75	38.83	27.31	23.15	17.97	11.64	6.05		2.878	2.576	3.661	4.320	5.565	8.588	16.533	123.199	0.170
540.35	34.53	38.05	26.85	22.94	17.84	11.20	5.71		2.896	2.628	3.725	4.359	5.605	8.932	17.511	124.987	0.172
540.55	35.07	37.75	26.65	23.03	18.16	11.61	6.03		2.852	2.649	3.753	4.343	5.506	8.613	16.572	123.548	0.170
540.75	34.93	37.41	26.03	22.61	17.15	10.91	5.48		2.863	2.673	3.842	4.422	5.832	9.165	18.238	126.800	0.175
540.95	34.47	36.81	25.52	21.95	16.62	10.48	5.39		2.901	2.717	3.918	4.555	6.017	9.545	18.538	128.526	0.177
541.14	34.27	37.09	25.74	21.86	17.04	10.90	5.46		2.918	2.696	3.884	4.574	5.870	9.176	18.325	127.542	0.176
541.34	33.62	36.67	25.41	21.39	16.36	10.54	4.83		2.974	2.727	3.936	4.676	6.114	9.490	20.720	130.680	0.180
541.54	33.40	36.75	24.89	20.99	15.60	10.33	4.38		2.994	2.721	4.017	4.765	6.411	9.676	22.835	133.235	0.183
541.74	33.91	37.00	25.34	21.23	15.72	11.10	4.84		2.949	2.703	3.947	4.710	6.362	9.008	20.677	130.459	0.180
541.93	34.35	37.13	25.87	22.03	16.30	11.50	5.42		2.912	2.693	3.866	4.539	6.137	8.694	18.451	127.343	0.175
542.13	33.69	36.35	25.80	21.54	16.03	11.46	4.92		2.969	2.751	3.876	4.644	6.239	8.727	20.311	129.440	0.178
542.33	33.06	36.15	25.00	21.42	15.68	11.67	4.53		3.025	2.766	4.000	4.668	6.379	8.566	22.075	131.097	0.181
542.53	33.18	35.69	25.18	21.76	15.54	11.80	4.57		3.014	2.802	3.971	4.596	6.434	8.477	21.883	130.789	0.180
542.72	33.41	35.98	25.49	22.53	15.76	12.17	4.22		2.993	2.779	3.923	4.439	6.345	8.215	23.704	130.846	0.180
542.92	32.93	35.57	24.88	22.21	15.36	11.65	3.86		3.037	2.811	4.019	4.503	6.509	8.586	25.896	133.438	0.184
543.12	32.64	35.55	24.95	21.77	15.07	11.63	3.91		3.064	2.813	4.008	4.594	6.637	8.598	25.573	133.724	0.184
543.32	33.01	35.65	25.34	21.83	15.27	12.22	4.20		3.030	2.805	3.947	4.580	6.549	8.184	23.825	131.718	0.181
543.51	32.65	35.93	25.03	21.99	15.38	12.29	4.32		3.062	2.783	3.995	4.547	6.504	8.139	23.148	131.182	0.181
543.71	32.19	35.73	24.25	21.78	15.09	11.58	3.83		3.107	2.799	4.123	4.591	6.625	8.635	26.105	134.312	0.185
543.91	32.44	35.38	23.80	21.32	14.76	11.01	3.91		3.082	2.827	4.202	4.691	6.774	9.082	25.606	135.316	0.186
544.11	31.87	35.11	23.59	20.98	14.25	10.87	3.66		3.138	2.848	4.238	4.767	7.018	9.203	27.290	137.165	0.189
544.3	31.21	34.23	23.54	20.81	13.86	10.23	2.93		3.204	2.921	4.249	4.806	7.217	9.773	34.122	141.795	0.195
544.5	31.03	34.17	23.61	20.45	13.59	10.12	2.71		3.222	2.926	4.236	4.889	7.357	9.879	36.878	143.450	0.198
544.7	30.13	34.29	23.48	20.16	13.28	9.54	2.97		3.319	2.916	4.259	4.960	7.531	10.486	33.708	143.468	0.198
544.89	30.44	34.20	23.71	20.00	14.55	10.23	2.96		3.285	2.924	4.217	5.000	6.875	9.775	33.776	141.571	0.195
545.09	30.80	34.53	23.96	20.28	14.67	10.38	3.38		3.247	2.896	4.174	4.930	6.818	9.633	29.583	139.045	0.191
545.29	30.27	34.08	23.53	20.23	14.44	10.19	3.27		3.303	2.934	4.250	4.943	6.927	9.816	30.618	140.293	0.193
545.49	29.91	33.63	23.26	19.89	14.29	10.26	2.74		3.344	2.973	4.299	5.028	6.997	9.749	36.514	143.264	0.197
545.68	29.05	33.20	23.17	19.89	13.91	9.64	2.11		3.442	3.012	4.315	5.027	7.191	10.372	47.506	148.364	0.204
545.88	28.52	32.58	22.48	19.61	13.32	9.46	1.81		3.506	3.069	4.448	5.098	7.507	10.569	55.289	151.863	0.209
546.08	28.36	32.65	22.73	19.67	13.20	9.71	1.47		3.526	3.062	4.400	5.084	7.574	10.295	67.950	154.493	0.213
546.27	28.50	32.85	22.46	19.80	13.29	9.56	1.20		3.509	3.044	4.452	5.050	7.527	10.458	83.542	157.548	0.217
546.47	28.48	33.41	22.78	19.91	13.84	9.23	1.49		3.512	2.994	4.390	5.023	7.226	10.839	67.234	154.132	0.212
546.67	28.26	33.71	22.42	20.10	13.70	9.10	1.02		3.539	2.967	4.461	4.976	7.300	10.985	98.425	159.896	0.220

548.05	27.96	33.63	24.50	20.14	13.74	7.92	1.11		3.576	2.973	4.082	4.965	7.277	12.625	90.443	159.659	0.220
548.24	28.07	34.54	24.62	20.21	14.27	8.57	1.49		3.562	2.896	4.062	4.949	7.007	11.670	67.249	153.746	0.212
548.44	28.65	35.16	25.07	20.37	14.62	9.08	1.96		3.491	2.844	3.989	4.908	6.841	11.014	50.968	148.337	0.204
548.64	28.48	35.26	24.90	21.04	14.83	9.75	2.72		3.512	2.836	4.017	4.754	6.745	10.254	36.805	142.360	0.196
548.84	28.58	35.23	24.76	20.83	14.78	9.76	2.36		3.498	2.838	4.039	4.802	6.764	10.246	42.409	144.552	0.199
549.03	27.31	35.33	24.18	20.50	12.69	8.61	1.69		3.661	2.830	4.136	4.877	7.880	11.611	59.137	153.146	0.211
549.23	26.93	35.40	24.41	20.72	12.73	9.10	1.86		3.713	2.825	4.097	4.827	7.856	10.984	53.899	150.966	0.208
549.43	27.30	35.19	24.09	20.96	12.03	8.99	0.95		3.663	2.842	4.152	4.771	8.311	11.122	105.189	161.318	0.222
549.62	27.52	35.82	24.67	20.80	12.43	9.05	1.39		3.633	2.792	4.053	4.807	8.044	11.047	72.098	155.188	0.214
549.82	28.35	35.65	24.67	20.57	12.71	9.09	1.45		3.528	2.805	4.054	4.862	7.867	11.005	68.823	154.215	0.212

Emiluma/Lumaloc Trial 2 Mean Data

[illegible]

415.89	66.40	54.26	29.18	29.96	20.13	10.57	7.02	1.506	1.843	3.427	3.338	4.967	9.463	14.239	114.208	0.152
416.1	66.67	54.40	29.37	29.98	20.72	11.13	7.60	1.500	1.838	3.405	3.336	4.826	8.987	13.162	112.003	0.149
416.3	67.09	54.54	29.80	30.25	20.91	11.71	7.89	1.491	1.833	3.356	3.306	4.782	8.542	12.674	110.454	0.147
416.51	67.68	54.45	30.04	30.40	21.21	11.92	8.04	1.478	1.837	3.329	3.289	4.714	8.389	12.433	109.635	0.146
416.71	68.37	54.92	30.56	30.75	21.34	12.16	8.69	1.463	1.821	3.272	3.252	4.687	8.221	11.512	107.825	0.144
416.92	68.79	54.95	30.97	31.41	21.82	12.55	9.29	1.454	1.820	3.228	3.184	4.584	7.968	10.770	105.877	0.141
417.12	69.31	55.38	31.41	31.77	22.38	12.86	9.59	1.443	1.806	3.183	3.147	4.467	7.777	10.424	104.439	0.139
417.33	69.68	55.34	31.76	32.17	22.86	13.23	10.06	1.435	1.807	3.148	3.109	4.374	7.558	9.945	102.914	0.137
417.53	70.41	55.65	32.06	32.61	23.38	13.46	9.99	1.420	1.797	3.119	3.066	4.277	7.430	10.010	102.230	0.136
417.74	70.28	55.78	32.06	32.24	23.50	13.62	10.30	1.423	1.793	3.119	3.102	4.255	7.342	9.705	101.696	0.136
417.94	70.77	55.96	32.45	32.68	23.89	14.15	10.82	1.413	1.787	3.082	3.060	4.185	7.066	9.242	100.018	0.133
418.15	71.16	56.30	32.86	33.08	24.34	14.65	11.07	1.405	1.776	3.043	3.023	4.108	6.824	9.032	98.794	0.132
418.35	71.78	56.58	33.22	33.33	24.57	14.82	11.21	1.393	1.767	3.010	3.000	4.070	6.747	8.922	98.063	0.131
418.56	72.30	57.03	33.69	33.78	24.92	15.28	11.07	1.383	1.754	2.968	2.961	4.013	6.546	9.037	97.364	0.130
418.76	72.04	57.09	33.81	33.80	24.97	15.46	11.67	1.388	1.752	2.958	2.959	4.006	6.468	8.569	96.394	0.128
418.97	72.61	57.38	34.06	34.33	25.31	15.87	12.03	1.377	1.743	2.936	2.913	3.950	6.301	8.313	95.167	0.127
419.17	72.78	57.57	34.24	34.49	25.58	16.23	12.35	1.374	1.737	2.921	2.899	3.910	6.163	8.095	94.263	0.126
419.38	73.02	57.47	34.50	34.60	25.83	16.32	12.71	1.369	1.740	2.899	2.890	3.872	6.128	7.865	93.561	0.125
419.58	73.56	57.62	34.80	34.90	26.19	16.70	12.87	1.359	1.736	2.874	2.865	3.819	5.989	7.768	92.721	0.124
419.79	73.63	57.72	35.05	35.12	26.42	16.88	13.17	1.358	1.732	2.853	2.847	3.785	5.925	7.594	92.011	0.123
419.99	74.15	57.96	35.36	35.40	26.80	17.14	13.46	1.349	1.725	2.828	2.825	3.731	5.834	7.428	91.113	0.121
420.2	74.43	58.26	35.61	35.70	27.18	17.52	13.47	1.344	1.716	2.808	2.801	3.679	5.709	7.426	90.481	0.121
420.4	74.82	58.15	35.71	35.76	27.32	17.61	13.55	1.337	1.720	2.800	2.796	3.660	5.680	7.382	90.217	0.120
420.61	74.99	58.23	35.78	35.92	27.55	17.75	13.65	1.334	1.717	2.795	2.784	3.630	5.633	7.325	89.824	0.120
420.81	75.22	58.40	35.98	36.17	27.74	18.01	13.87	1.329	1.712	2.780	2.765	3.605	5.551	7.208	89.175	0.119
421.02	75.27	58.42	36.18	36.33	28.00	18.24	14.19	1.328	1.712	2.764	2.753	3.571	5.481	7.048	88.482	0.118
421.22	75.78	58.73	36.41	36.59	28.13	18.57	14.13	1.320	1.703	2.747	2.733	3.554	5.385	7.076	88.073	0.117
421.43	76.03	58.87	36.53	36.74	28.24	18.75	14.08	1.315	1.699	2.738	2.722	3.541	5.334	7.104	87.863	0.117
421.63	76.15	59.02	36.58	36.82	28.16	18.74	14.26	1.313	1.694	2.733	2.716	3.551	5.336	7.011	87.647	0.117
421.84	76.36	59.26	36.93	36.91	28.35	18.96	14.66	1.310	1.687	2.708	2.710	3.528	5.275	6.822	86.888	0.116
422.04	76.81	59.51	37.31	37.40	28.81	19.37	14.61	1.302	1.680	2.680	2.674	3.471	5.163	6.846	86.201	0.115
422.24	76.77	59.41	37.22	37.37	28.89	19.29	14.68	1.303	1.683	2.686	2.676	3.462	5.184	6.810	86.191	0.115
422.45	77.06	59.48	37.29	37.51	29.05	19.36	14.70	1.298	1.681	2.682	2.666	3.443	5.166	6.805	85.992	0.115
422.65	77.02	59.41	37.31	37.48	29.13	19.50	14.96	1.298	1.683	2.680	2.668	3.433	5.129	6.686	85.630	0.114
422.86	77.03	59.52	37.41	37.61	29.37	19.72	15.32	1.298	1.680	2.673	2.659	3.404	5.070	6.526	84.965	0.113
423.06	77.42	59.76	37.66	37.86	29.70	20.03	15.38	1.292	1.673	2.655	2.641	3.367	4.992	6.502	84.415	0.112
423.27	77.52	59.71	37.86	37.97	29.81	20.12	15.63	1.290	1.675	2.641	2.634	3.354	4.969	6.400	84.009	0.112
423.47	77.71	59.82	38.06	38.13	29.99	20.32	15.71	1.287	1.672	2.628	2.623	3.335	4.921	6.364	83.627	0.111
423.68	77.71	59.87	38.14	38.17	30.15	20.54	15.82	1.287	1.670	2.622	2.620	3.317	4.869	6.320	83.298	0.111
423.88	77.73	59.93	38.20	38.23	30.29	20.65	15.94	1.286	1.669	2.618	2.616	3.301	4.844	6.272	83.031	0.111
424.09	77.84	60.00	38.29	38.37	30.45	20.78	16.01	1.285	1.667	2.612	2.606	3.284	4.811	6.247	82.756	0.110
424.29	77.89	60.01	38.31	38.42	30.49	20.80	16.06	1.284	1.666	2.610	2.603	3.280	4.786	6.228	82.607	0.110
424.5	77.88	59.98	38.33	38.44	30.53	21.00	16.14	1.284	1.667	2.609	2.601	3.275	4.761	6.196	82.446	0.110
424.7	77.99	60.12	38.43	38.51	30.62	21.06	16.20	1.282	1.663	2.602	2.596	3.266	4.748	6.172	82.263	0.110
424.91	78.16	60.22	38.57	38.57	30.66	21.12	16.27	1.279	1.661	2.593	2.592	3.262	4.734	6.148	82.085	0.109
425.11	78.24	60.25	38.63	38.62	30.75	21.20	16.36	1.278	1.660	2.588	2.590	3.252	4.718	6.113	81.888	0.109
425.31	78.30	60.26	38.61	38.71	30.91	21.29	16.35	1.277	1.659	2.590	2.583	3.236	4.697	6.118	81.761	0.109
425.52	78.18	60.21	38.66	38.71	30.96	21.32	16.52	1.279	1.661	2.587	2.584	3.230	4.690	6.055	81.576	0.109
425.72	78.11	60.20	38.73	38.81	31.04	21.45	16.70	1.280	1.661	2.582	2.577	3.222	4.663	5.987	81.277	0.108
425.93	78.13	60.21	38.80	38.91	31.19	21.63	16.77	1.280	1.661	2.577	2.570	3.207	4.623	5.964	81.011	0.108
426.13	78.05	60.08	38.74	38.95	31.24	21.68	16.84	1.281	1.665	2.581	2.567	3.201	4.613	5.940	80.929	0.108
426.34	78.00	59.99	38.79	38.99	31.24	21.73	16.91	1.282	1.667	2.578	2.565	3.201	4.602	5.914	80.827	0.108
426.54	78.03	59.99	38.81	39.02	31.28	21.81	16.98	1.282	1.667	2.576	2.563	3.197	4.585	5.888	80.685	0.108
426.75	77.98	59.91	38.79	39.01	31.31	21.86	17.14	1.282	1.669	2.578	2.563	3.194	4.574	5.834	80.530	0.107
426.95	77.96	59.97	38.90	39.14	31.42	21.99	17.15	1.283	1.668	2.571	2.555	3.183	4.548	5.831	80.350	0.107
427.16	77.88	59.85	38.87	39.12	31.38	21.99	17.12	1.284	1.671	2.573	2.556	3.186	4.548	5.840	80.414	0.107
427.36	77.79	59.76	38.85	39.12	31.37	21.99	17.22	1.285	1.673	2.574	2.556	3.187	4.548	5.808	80.359	0.107
427.56	77.75	59.75	38.83	39.10	31.45	22.03	17.19	1.286	1.674	2.575	2.557	3.180	4.539	5.819	80.346	0.107
427.77	77.74	59.70	38.83	39.14	31.49	22.05	17.22	1.286	1.675	2.576	2.555	3.175	4.536	5.808	80.293	0.107
427.97	77.72	59.67	38.84	39.12	31.51	22.05	17.26	1.287	1.676	2.575	2.556	3.174	4.534	5.794	80.254	0.107
428.18	77.58	59.55	38.82	39.14	31.51	22.07	17.35	1.289	1.679	2.576	2.555	3.174	4.531	5.764	80.188	0.107
428.38	77.55	59.51	38.83	39.14	31.53	22.15	17.36	1.290	1.680	2.575	2.555	3.172	4.515	5.760	80.131	0.107
428.59	77.48	59.42	38.83	39.14	31.55	22.16	17.36	1.291	1.683	2.576	2.555	3.170	4.513	5.759	80.132	0.107
428.79	77.46	59.38	38.83	39.15	31.58	22.14	17.39	1.291	1.684	2.575	2.554	3.166	4.516	5.752	80.113	0.107
428.99	77.41	59.34	38.86	39.19	31.60	22.19	17.40	1.292	1.685	2.573	2.552	3.164	4.506	5.746	80.056	0.107
429.2	77.27	59.24	38.82	39.19	31.63	22.24	17.43	1.294	1.688	2.576	2.552	3.162	4.496	5.738	80.029	0.107
429.4	77.10	59.10	38.77	39.14	31.62	22.25	17.44	1.297	1.692	2.579	2.555	3.162	4.495	5.735	80.066	0.107
429.61	77.02	59.04	38.77	39.12	31.62	22.26	17.48	1.298	1.694	2.580	2.556	3.162	4.493	5.722	80.048	0.107
429.81	76.93	58.94	38.76	39.10	31.64	22.29	17.44	1.300	1.697	2.580	2.558	3.160	4.486	5.735	80.081	0.107
430.02	76.83	58.82	38.70	39.03	31.64	22.27	17.46	1.302	1.700	2.584	2.562	3.160	4.490	5.729	80.127	0.107
430.22	76.76	58.76														

433.08	75.37	57.69	38.24	38.64	31.68	22.35	17.66	1.327	1.733	2.615	2.588	3.157	4.473	5.661	80.327	0.107
433.28	75.31	57.63	38.21	38.62	31.70	22.37	17.68	1.328	1.735	2.617	2.589	3.155	4.470	5.656	80.317	0.107
433.49	75.21	57.54	38.17	38.57	31.69	22.37	17.69	1.330	1.738	2.620	2.592	3.155	4.470	5.654	80.354	0.107
433.69	75.14	57.49	38.14	38.55	31.70	22.38	17.71	1.331	1.740	2.622	2.594	3.155	4.469	5.647	80.358	0.107
433.9	75.03	57.43	38.12	38.53	31.70	22.39	17.71	1.333	1.741	2.623	2.595	3.155	4.467	5.648	80.377	0.107
434.1	74.93	57.36	38.06	38.49	31.67	22.37	17.72	1.335	1.743	2.627	2.598	3.157	4.471	5.644	80.423	0.107
434.3	74.84	57.27	38.03	38.46	31.65	22.36	17.71	1.336	1.746	2.630	2.600	3.159	4.473	5.647	80.478	0.107
434.51	74.67	57.15	37.98	38.40	31.62	22.33	17.72	1.339	1.750	2.633	2.604	3.163	4.477	5.643	80.540	0.107
434.71	74.59	57.09	37.95	38.37	31.63	22.32	17.72	1.341	1.752	2.635	2.606	3.162	4.481	5.642	80.572	0.107
434.92	74.49	57.01	37.92	38.34	31.61	22.30	17.72	1.342	1.754	2.637	2.608	3.163	4.484	5.642	80.618	0.107
435.12	74.40	56.95	37.87	38.30	31.60	22.30	17.72	1.344	1.756	2.640	2.611	3.165	4.483	5.642	80.658	0.107
435.32	74.31	56.87	37.83	38.26	31.57	22.29	17.71	1.346	1.759	2.644	2.614	3.167	4.486	5.645	80.720	0.108
435.53	74.20	56.78	37.77	38.22	31.54	22.26	17.70	1.348	1.761	2.647	2.617	3.171	4.492	5.651	80.806	0.108
435.73	74.08	56.69	37.70	38.15	31.50	22.24	17.69	1.350	1.764	2.652	2.621	3.175	4.496	5.654	80.890	0.108
435.94	73.96	56.61	37.66	38.10	31.47	22.22	17.69	1.352	1.766	2.656	2.625	3.178	4.501	5.652	80.951	0.108
436.14	73.83	56.53	37.61	38.07	31.46	22.21	17.68	1.354	1.769	2.659	2.626	3.179	4.503	5.656	81.005	0.108
436.34	73.73	56.45	37.56	38.03	31.43	22.19	17.69	1.356	1.771	2.662	2.630	3.182	4.506	5.652	81.055	0.108
436.55	73.63	56.38	37.52	38.00	31.41	22.18	17.69	1.358	1.774	2.665	2.631	3.184	4.509	5.653	81.103	0.108
436.75	73.49	56.28	37.45	37.96	31.37	22.16	17.67	1.361	1.777	2.670	2.634	3.187	4.512	5.658	81.189	0.108
436.96	73.39	56.21	37.41	37.92	31.34	22.14	17.66	1.363	1.779	2.673	2.637	3.191	4.516	5.662	81.254	0.108
437.16	73.29	56.12	37.35	37.87	31.31	22.12	17.66	1.365	1.782	2.678	2.640	3.194	4.521	5.663	81.330	0.108
437.36	73.17	56.03	37.30	37.83	31.29	22.11	17.64	1.367	1.785	2.681	2.643	3.196	4.522	5.670	81.395	0.108
437.57	73.03	55.93	37.24	37.79	31.25	22.09	17.62	1.369	1.788	2.686	2.647	3.200	4.528	5.675	81.488	0.109
437.77	72.92	55.86	37.20	37.75	31.22	22.06	17.62	1.371	1.790	2.688	2.649	3.203	4.534	5.677	81.555	0.109
437.98	72.80	55.79	37.15	37.72	31.19	22.04	17.59	1.374	1.792	2.692	2.651	3.206	4.538	5.684	81.632	0.109
438.18	72.69	55.70	37.08	37.67	31.16	22.01	17.58	1.376	1.795	2.697	2.654	3.209	4.543	5.689	81.714	0.109
438.38	72.57	55.62	37.03	37.64	31.13	22.00	17.57	1.378	1.798	2.700	2.657	3.212	4.546	5.691	81.779	0.109
438.59	72.45	55.55	36.97	37.60	31.11	21.97	17.56	1.380	1.800	2.705	2.660	3.214	4.551	5.694	81.849	0.109
438.79	72.33	55.46	36.92	37.55	31.09	21.95	17.54	1.383	1.803	2.709	2.663	3.217	4.556	5.700	81.932	0.109
438.99	72.21	55.37	36.85	37.50	31.05	21.92	17.53	1.385	1.806	2.714	2.667	3.221	4.562	5.705	82.024	0.109
439.2	72.07	55.28	36.78	37.45	31.01	21.90	17.52	1.388	1.809	2.719	2.670	3.224	4.565	5.708	82.103	0.109
439.4	71.95	55.19	36.73	37.41	30.99	21.88	17.51	1.390	1.812	2.723	2.673	3.227	4.571	5.712	82.180	0.110
439.61	71.82	55.11	36.67	37.37	30.96	21.86	17.49	1.392	1.814	2.727	2.676	3.230	4.575	5.716	82.257	0.110
439.81	71.69	55.03	36.62	37.33	30.93	21.84	17.49	1.395	1.817	2.731	2.679	3.233	4.579	5.719	82.331	0.110
440.01	71.59	54.94	36.57	37.28	30.90	21.81	17.47	1.397	1.820	2.735	2.682	3.237	4.584	5.724	82.409	0.110
440.22	71.47	54.85	36.51	37.24	30.86	21.80	17.45	1.399	1.823	2.739	2.685	3.240	4.588	5.730	82.492	0.110
440.42	71.35	54.76	36.46	37.19	30.83	21.78	17.44	1.402	1.826	2.743	2.689	3.243	4.592	5.734	82.571	0.110
440.62	71.21	54.66	36.40	37.14	30.80	21.75	17.42	1.404	1.830	2.748	2.693	3.247	4.598	5.740	82.664	0.110
440.83	71.09	54.57	36.34	37.08	30.77	21.72	17.40	1.407	1.832	2.752	2.697	3.250	4.603	5.746	82.749	0.110
441.03	70.98	54.48	36.29	37.04	30.74	21.70	17.39	1.409	1.835	2.756	2.700	3.253	4.608	5.750	82.832	0.110
441.24	70.85	54.39	36.23	36.99	30.70	21.67	17.37	1.411	1.839	2.760	2.704	3.257	4.614	5.756	82.923	0.110
441.44	70.72	54.30	36.18	36.94	30.66	21.64	17.36	1.414	1.842	2.764	2.707	3.261	4.620	5.759	83.006	0.111
441.64	70.59	54.20	36.13	36.90	30.62	21.62	17.35	1.417	1.845	2.768	2.710	3.265	4.626	5.764	83.097	0.111
441.85	70.48	54.11	36.07	36.85	30.59	21.59	17.34	1.419	1.848	2.773	2.714	3.269	4.631	5.768	83.179	0.111
442.05	70.36	54.02	36.01	36.80	30.55	21.58	17.32	1.421	1.851	2.777	2.718	3.273	4.635	5.775	83.269	0.111
442.25	70.22	53.91	35.95	36.74	30.51	21.55	17.30	1.424	1.855	2.782	2.722	3.277	4.641	5.780	83.370	0.111
442.46	70.10	53.82	35.90	36.69	30.48	21.52	17.29	1.427	1.858	2.786	2.726	3.280	4.646	5.784	83.450	0.111
442.66	69.98	53.73	35.85	36.64	30.45	21.50	17.27	1.429	1.861	2.790	2.729	3.284	4.652	5.790	83.537	0.111
442.86	69.86	53.64	35.80	36.59	30.41	21.48	17.26	1.431	1.864	2.794	2.733	3.288	4.656	5.794	83.620	0.111
443.07	69.75	53.55	35.75	36.55	30.38	21.46	17.24	1.434	1.867	2.798	2.736	3.292	4.660	5.799	83.697	0.112
443.27	69.62	53.46	35.69	36.50	30.34	21.43	17.24	1.436	1.871	2.802	2.740	3.295	4.666	5.802	83.780	0.112
443.48	69.51	53.38	35.65	36.45	30.32	21.41	17.22	1.439	1.873	2.805	2.743	3.299	4.670	5.808	83.856	0.112
443.68	69.38	53.28	35.60	36.41	30.28	21.38	17.20	1.441	1.877	2.809	2.747	3.303	4.676	5.814	83.950	0.112
443.88	69.25	53.19	35.54	36.35	30.24	21.36	17.18	1.444	1.880	2.814	2.751	3.307	4.681	5.820	84.044	0.112
444.09	69.14	53.11	35.49	36.30	30.21	21.35	17.17	1.446	1.883	2.818	2.755	3.311	4.685	5.824	84.120	0.112
444.29	69.01	53.02	35.44	36.26	30.18	21.32	17.16	1.449	1.886	2.822	2.758	3.313	4.689	5.829	84.198	0.112
444.49	68.89	52.94	35.39	36.21	30.15	21.30	17.14	1.452	1.889	2.826	2.761	3.317	4.696	5.834	84.284	0.112
444.7	68.77	52.85	35.34	36.17	30.11	21.27	17.13	1.454	1.892	2.830	2.765	3.321	4.701	5.839	84.368	0.112
444.9	68.64	52.76	35.29	36.12	30.08	21.25	17.12	1.457	1.895	2.834	2.769	3.325	4.706	5.843	84.451	0.113
445.1	68.52	52.68	35.24	36.08	30.05	21.23	17.11	1.459	1.898	2.838	2.771	3.328	4.711	5.846	84.524	0.113
445.31	68.41	52.61	35.20	36.05	30.02	21.21	17.10	1.462	1.901	2.841	2.774	3.331	4.715	5.849	84.591	0.113
445.51	68.30	52.54	35.15	36.01	30.00	21.20	17.08	1.464	1.903	2.845	2.777	3.334	4.718	5.853	84.659	0.113
445.71	68.20	52.46	35.10	35.97	29.97	21.18	17.07	1.466	1.906	2.849	2.780	3.337	4.722	5.859	84.733	0.113
445.92	68.08	52.38	35.05	35.93	29.94	21.16	17.06	1.469	1.909	2.853	2.784	3.340	4.726	5.860	84.804	0.113
446.12	67.98	52.31	35.02	35.90	29.92	21.15	17.05	1.471	1.912	2.856	2.786	3.342	4.729	5.863	84.856	0.113
446.32	67.88	52.25	34.98	35.87	29.90	21.13	17.05	1.473	1.914	2.859	2.788	3.344	4.732	5.864	84.909	0.113
446.53	67.80	52.20	34.95	35.85	29.88	21.12	17.05	1.475	1.916	2.861	2.790	3.346	4.735	5.866	84.953	0.113
446.73	67.69	52.13	34.91	35.81	29.86	21.11	17.04	1.477	1.918	2.865	2.792	3.349	4.738	5.868	85.014	0.113
446.93	67.58	52.05	34.86	35.78	29.83	21.09	17.03	1.480	1.921	2.868	2.795	3.352	4.742	5.871	85.078	0.113
447.14	67.48	51.98	34.83	35.74	29.81	21.08	17.03	1.482	1.924	2.871	2.798	3.355	4.745	5.872		

450.19	66.48	51.49	34.60	35.67	29.79	21.09	17.14	1.504	1.942	2.890	2.804	3.357	4.742	5.835	85.256	0.114
450.39	66.43	51.48	34.59	35.67	29.80	21.10	17.16	1.505	1.943	2.891	2.803	3.356	4.740	5.829	85.236	0.114
450.59	66.39	51.48	34.60	35.69	29.82	21.11	17.17	1.506	1.943	2.890	2.802	3.354	4.738	5.824	85.202	0.114
450.79	66.35	51.48	34.61	35.71	29.84	21.12	17.20	1.507	1.943	2.889	2.800	3.351	4.734	5.814	85.159	0.113
451	66.34	51.49	34.63	35.74	29.86	21.14	17.22	1.507	1.942	2.888	2.798	3.349	4.729	5.806	85.103	0.113
451.2	66.33	51.51	34.65	35.77	29.89	21.17	17.25	1.508	1.942	2.886	2.795	3.345	4.725	5.797	85.039	0.113
451.4	66.31	51.52	34.67	35.81	29.92	21.19	17.28	1.508	1.941	2.885	2.793	3.342	4.720	5.789	84.980	0.113
451.61	66.30	51.54	34.69	35.84	29.95	21.21	17.31	1.508	1.940	2.883	2.790	3.338	4.715	5.776	84.906	0.113
451.81	66.30	51.57	34.72	35.89	30.00	21.24	17.35	1.508	1.939	2.880	2.786	3.334	4.708	5.765	84.816	0.113
452.01	66.31	51.61	34.75	35.94	30.04	21.27	17.37	1.508	1.938	2.878	2.783	3.329	4.701	5.756	84.730	0.113
452.22	66.31	51.63	34.78	35.98	30.08	21.30	17.41	1.508	1.937	2.875	2.780	3.325	4.695	5.744	84.649	0.113
452.42	66.33	51.67	34.82	36.03	30.13	21.34	17.47	1.508	1.935	2.872	2.775	3.320	4.687	5.735	84.527	0.113
452.62	66.42	51.77	34.90	36.12	30.21	21.40	17.53	1.506	1.932	2.865	2.768	3.311	4.674	5.706	84.347	0.112
452.83	66.50	51.87	34.98	36.21	30.29	21.45	17.58	1.504	1.928	2.859	2.761	3.302	4.661	5.689	84.174	0.112
453.03	66.58	51.97	35.05	36.30	30.36	21.51	17.64	1.502	1.924	2.853	2.755	3.293	4.649	5.670	84.004	0.112
453.23	66.68	52.07	35.13	36.40	30.45	21.57	17.71	1.500	1.921	2.846	2.747	3.284	4.636	5.647	83.810	0.112
453.43	66.82	52.21	35.24	36.53	30.56	21.65	17.76	1.497	1.916	2.838	2.738	3.273	4.620	5.630	83.589	0.111
453.64	66.91	52.31	35.32	36.63	30.64	21.71	17.84	1.494	1.912	2.831	2.730	3.264	4.606	5.604	83.387	0.111
453.84	67.09	52.48	35.45	36.78	30.77	21.80	17.91	1.490	1.906	2.821	2.719	3.250	4.588	5.584	83.132	0.111
454.04	67.18	52.57	35.53	36.87	30.85	21.86	17.98	1.488	1.902	2.815	2.712	3.242	4.575	5.562	82.941	0.111
454.25	67.33	52.72	35.63	37.00	30.96	21.94	18.05	1.485	1.897	2.806	2.702	3.230	4.558	5.541	82.708	0.110
454.45	67.46	52.85	35.73	37.12	31.06	22.01	18.12	1.482	1.892	2.799	2.694	3.219	4.543	5.520	82.491	0.110
454.65	67.59	52.98	35.83	37.24	31.16	22.08	18.19	1.479	1.888	2.791	2.685	3.209	4.529	5.499	82.276	0.110
454.85	67.72	53.10	35.92	37.36	31.26	22.15	18.25	1.477	1.883	2.784	2.677	3.199	4.514	5.480	82.067	0.109
455.06	67.82	53.21	36.01	37.46	31.35	22.22	18.30	1.475	1.879	2.777	2.669	3.190	4.500	5.465	81.888	0.109
455.26	67.89	53.30	36.07	37.55	31.42	22.27	18.37	1.473	1.876	2.772	2.663	3.182	4.490	5.444	81.718	0.109
455.46	68.02	53.43	36.17	37.67	31.53	22.35	18.42	1.470	1.872	2.765	2.654	3.171	4.474	5.428	81.509	0.109
455.67	68.11	53.53	36.25	37.76	31.61	22.41	18.48	1.468	1.868	2.759	2.648	3.164	4.462	5.411	81.340	0.108
455.87	68.18	53.61	36.32	37.85	31.68	22.47	18.54	1.467	1.865	2.754	2.642	3.156	4.451	5.395	81.182	0.108
456.07	68.25	53.70	36.39	37.94	31.76	22.52	18.58	1.465	1.862	2.748	2.636	3.149	4.440	5.382	81.032	0.108
456.27	68.29	53.76	36.44	38.01	31.82	22.57	18.63	1.464	1.860	2.744	2.631	3.143	4.431	5.368	80.907	0.108
456.48	68.33	53.82	36.49	38.08	31.88	22.61	18.65	1.463	1.858	2.740	2.626	3.137	4.422	5.362	80.802	0.108
456.68	68.30	53.83	36.50	38.11	31.90	22.63	18.65	1.464	1.858	2.740	2.624	3.135	4.419	5.361	80.774	0.108
456.88	68.18	53.76	36.47	38.09	31.89	22.62	18.65	1.467	1.860	2.742	2.626	3.136	4.421	5.362	80.816	0.108
457.09	68.05	53.69	36.43	38.06	31.87	22.61	18.65	1.469	1.863	2.745	2.627	3.138	4.424	5.362	80.866	0.108
457.29	67.92	53.61	36.38	38.04	31.85	22.59	18.64	1.472	1.865	2.748	2.629	3.140	4.427	5.364	80.924	0.108
457.49	67.78	53.53	36.34	38.00	31.82	22.57	18.62	1.475	1.868	2.752	2.631	3.143	4.430	5.369	80.999	0.108
457.69	67.59	53.40	36.26	37.94	31.76	22.54	18.61	1.480	1.872	2.758	2.636	3.148	4.437	5.373	81.112	0.108
457.9	67.42	53.30	36.20	37.89	31.72	22.50	18.58	1.483	1.876	2.763	2.639	3.153	4.444	5.382	81.225	0.108
458.1	67.18	53.13	36.09	37.79	31.65	22.45	18.57	1.489	1.882	2.771	2.646	3.160	4.454	5.386	81.381	0.108
458.3	67.01	53.03	36.03	37.74	31.60	22.42	18.54	1.492	1.886	2.776	2.650	3.164	4.460	5.395	81.492	0.109
458.5	66.78	52.87	35.93	37.66	31.53	22.38	18.51	1.497	1.891	2.783	2.655	3.171	4.469	5.403	81.645	0.109
458.71	66.57	52.73	35.85	37.59	31.47	22.33	18.48	1.502	1.897	2.790	2.661	3.178	4.478	5.410	81.790	0.109
458.91	66.37	52.59	35.76	37.51	31.40	22.29	18.45	1.507	1.902	2.797	2.666	3.184	4.486	5.419	81.932	0.109
459.11	66.15	52.44	35.67	37.43	31.33	22.24	18.42	1.512	1.907	2.804	2.672	3.191	4.496	5.428	82.085	0.109
459.31	65.95	52.30	35.58	37.36	31.27	22.20	18.41	1.516	1.912	2.810	2.677	3.198	4.505	5.433	82.217	0.110
459.52	65.77	52.19	35.52	37.30	31.23	22.17	18.37	1.520	1.916	2.816	2.681	3.202	4.511	5.444	82.341	0.110
459.72	65.53	52.02	35.41	37.20	31.15	22.11	18.35	1.526	1.922	2.824	2.688	3.211	4.523	5.451	82.514	0.110
459.92	65.34	51.89	35.33	37.14	31.09	22.07	18.32	1.531	1.927	2.831	2.693	3.216	4.530	5.459	82.645	0.110
460.13	65.15	51.76	35.25	37.07	31.04	22.03	18.29	1.535	1.932	2.837	2.697	3.222	4.539	5.469	82.782	0.110
460.33	64.94	51.61	35.15	36.99	30.97	21.99	18.27	1.540	1.938	2.845	2.703	3.229	4.548	5.475	82.933	0.111
460.53	64.77	51.49	35.08	36.93	30.92	21.95	18.25	1.544	1.942	2.851	2.708	3.234	4.556	5.480	83.047	0.111
460.73	64.61	51.38	35.01	36.88	30.88	21.92	18.25	1.548	1.946	2.856	2.712	3.239	4.562	5.480	83.138	0.111
460.94	64.50	51.31	34.97	36.85	30.86	21.91	18.25	1.550	1.949	2.860	2.714	3.241	4.565	5.479	83.185	0.111
461.14	64.42	51.26	34.94	36.84	30.85	21.90	18.26	1.552	1.951	2.862	2.715	3.241	4.566	5.476	83.209	0.111
461.34	64.35	51.22	34.92	36.83	30.85	21.90	18.27	1.554	1.952	2.864	2.715	3.242	4.566	5.473	83.219	0.111
461.54	64.28	51.19	34.90	36.83	30.85	21.91	18.28	1.556	1.954	2.865	2.715	3.242	4.565	5.471	83.222	0.111
461.75	64.20	51.14	34.88	36.82	30.85	21.90	18.29	1.558	1.955	2.867	2.716	3.242	4.565	5.469	83.238	0.111
461.95	64.14	51.10	34.86	36.82	30.84	21.90	18.30	1.559	1.957	2.868	2.716	3.242	4.565	5.464	83.241	0.111
462.15	64.09	51.09	34.86	36.82	30.85	21.91	18.31	1.560	1.957	2.869	2.716	3.241	4.563	5.461	83.230	0.111
462.35	64.04	51.07	34.85	36.83	30.86	21.92	18.33	1.561	1.958	2.870	2.715	3.241	4.563	5.456	83.219	0.111
462.56	64.01	51.06	34.84	36.84	30.87	21.93	18.34	1.562	1.959	2.870	2.714	3.240	4.560	5.452	83.200	0.111
462.76	63.96	51.04	34.83	36.85	30.87	21.93	18.36	1.563	1.959	2.871	2.714	3.239	4.559	5.447	83.190	0.111
462.96	63.93	51.03	34.84	36.86	30.88	21.95	18.37	1.564	1.960	2.871	2.713	3.238	4.557	5.443	83.164	0.111
463.16	63.90	51.02	34.84	36.87	30.89	21.96	18.39	1.565	1.960	2.871	2.712	3.237	4.554	5.437	83.141	0.111
463.36	63.87	51.01	34.84	36.89	30.91	21.97	18.42	1.566	1.960	2.870	2.711	3.235	4.552	5.430	83.106	0.111
463.57	63.86	51.01	34.85	36.91	30.93	21.99	18.44	1.566	1.960	2.869	2.710	3.233	4.548	5.424	83.065	0.111
463.77	63.85	51.02	34.86	36.93	30.94	22.00	18.46	1.566	1.960	2.869	2.708	3.232	4.545	5.417	83.023	0.111
463.97	63.83	51.03	34.87	36.95	30.96	22.02	18.48	1.567	1.960	2.868	2.707	3.230	4.541	5.410	82.980	0.111
464.17	63.84	51.04	34.88	36.97	30.99	22.04	18.51	1.567	1.959	2.867	2.705	3.227	4.537	5.401</		

467.21	64.23	51.51	35.30	37.54	31.48	22.46	18.95	1.557	1.941	2.833	2.664	3.177	4.453	5.278	81.820	0.109
467.41	64.28	51.56	35.34	37.60	31.52	22.49	18.98	1.556	1.940	2.830	2.660	3.172	4.446	5.270	81.726	0.109
467.61	64.33	51.60	35.38	37.65	31.56	22.52	19.01	1.554	1.938	2.827	2.656	3.168	4.440	5.260	81.637	0.109
467.81	64.39	51.65	35.41	37.70	31.61	22.56	19.04	1.553	1.936	2.824	2.653	3.164	4.434	5.251	81.546	0.109
468.02	64.44	51.70	35.45	37.74	31.65	22.59	19.08	1.552	1.934	2.821	2.650	3.160	4.428	5.242	81.458	0.109
468.22	64.49	51.75	35.49	37.80	31.69	22.62	19.11	1.551	1.932	2.817	2.646	3.156	4.421	5.233	81.369	0.108
468.42	64.54	51.80	35.54	37.84	31.72	22.65	19.13	1.549	1.930	2.814	2.642	3.152	4.414	5.227	81.279	0.108
468.62	64.57	51.83	35.57	37.88	31.75	22.68	19.16	1.549	1.929	2.812	2.640	3.149	4.409	5.219	81.208	0.108
468.82	64.62	51.88	35.61	37.93	31.79	22.71	19.19	1.547	1.928	2.809	2.637	3.146	4.403	5.211	81.122	0.108
469.03	64.67	51.92	35.64	37.98	31.83	22.74	19.22	1.546	1.926	2.806	2.633	3.142	4.397	5.202	81.036	0.108
469.23	64.72	51.97	35.68	38.03	31.86	22.78	19.25	1.545	1.924	2.803	2.630	3.139	4.391	5.196	80.956	0.108
469.43	64.76	52.01	35.71	38.07	31.90	22.80	19.27	1.544	1.923	2.800	2.627	3.135	4.386	5.188	80.882	0.108
469.63	64.80	52.05	35.74	38.10	31.93	22.83	19.30	1.543	1.921	2.798	2.624	3.132	4.380	5.180	80.803	0.108
469.83	64.84	52.09	35.77	38.14	31.97	22.86	19.33	1.542	1.920	2.795	2.622	3.128	4.375	5.173	80.729	0.108
470.04	64.87	52.12	35.81	38.18	32.00	22.88	19.36	1.541	1.919	2.793	2.619	3.125	4.370	5.165	80.655	0.107
470.24	64.90	52.16	35.84	38.21	32.03	22.92	19.39	1.541	1.917	2.791	2.617	3.122	4.364	5.156	80.580	0.107
470.44	64.93	52.20	35.87	38.25	32.07	22.95	19.42	1.540	1.916	2.788	2.615	3.118	4.357	5.149	80.502	0.107
470.64	64.96	52.23	35.89	38.27	32.10	22.98	19.44	1.539	1.915	2.786	2.613	3.115	4.352	5.144	80.446	0.107
470.84	64.99	52.26	35.92	38.30	32.13	23.00	19.47	1.539	1.913	2.784	2.611	3.112	4.348	5.137	80.381	0.107
471.05	65.03	52.31	35.96	38.34	32.17	23.03	19.50	1.538	1.912	2.781	2.608	3.109	4.342	5.129	80.299	0.107
471.25	65.05	52.34	35.98	38.38	32.20	23.06	19.52	1.537	1.911	2.779	2.606	3.106	4.337	5.123	80.237	0.107
471.45	65.06	52.35	36.00	38.40	32.22	23.08	19.53	1.537	1.910	2.778	2.604	3.104	4.334	5.119	80.197	0.107
471.65	65.05	52.36	36.02	38.41	32.23	23.09	19.56	1.537	1.910	2.777	2.603	3.102	4.331	5.111	80.153	0.107
471.85	65.07	52.38	36.04	38.44	32.26	23.12	19.58	1.537	1.909	2.774	2.601	3.099	4.326	5.106	80.095	0.107
472.06	65.09	52.40	36.07	38.47	32.29	23.14	19.61	1.536	1.908	2.772	2.599	3.097	4.321	5.100	80.035	0.107
472.26	65.09	52.42	36.09	38.50	32.31	23.17	19.63	1.536	1.908	2.771	2.597	3.095	4.316	5.094	79.980	0.107
472.46	65.11	52.45	36.12	38.52	32.34	23.20	19.66	1.536	1.907	2.769	2.596	3.092	4.310	5.087	79.938	0.106
472.66	65.12	52.46	36.13	38.54	32.37	23.22	19.68	1.536	1.906	2.768	2.594	3.089	4.307	5.082	79.871	0.106
472.86	65.14	52.48	36.16	38.57	32.40	23.24	19.70	1.535	1.905	2.766	2.593	3.087	4.302	5.076	79.814	0.106
473.06	65.14	52.50	36.17	38.59	32.42	23.26	19.71	1.535	1.905	2.765	2.591	3.085	4.299	5.072	79.772	0.106
473.27	65.14	52.51	36.19	38.61	32.44	23.27	19.73	1.535	1.904	2.763	2.590	3.083	4.297	5.068	79.736	0.106
473.47	65.14	52.51	36.21	38.63	32.46	23.30	19.75	1.535	1.904	2.762	2.588	3.081	4.293	5.063	79.689	0.106
473.67	65.14	52.52	36.22	38.65	32.47	23.32	19.77	1.535	1.904	2.761	2.587	3.079	4.289	5.057	79.652	0.106
473.87	65.14	52.53	36.23	38.67	32.49	23.33	19.80	1.535	1.904	2.760	2.586	3.078	4.286	5.052	79.610	0.106
474.07	65.14	52.55	36.26	38.70	32.52	23.36	19.82	1.535	1.903	2.758	2.584	3.075	4.280	5.046	79.547	0.106
474.28	65.14	52.57	36.27	38.73	32.55	23.39	19.83	1.535	1.902	2.757	2.582	3.072	4.276	5.042	79.501	0.106
474.48	65.14	52.58	36.29	38.76	32.57	23.40	19.85	1.535	1.902	2.756	2.580	3.070	4.273	5.038	79.459	0.106
474.68	65.13	52.59	36.30	38.78	32.59	23.42	19.87	1.535	1.902	2.755	2.579	3.069	4.271	5.032	79.426	0.106
474.88	65.11	52.59	36.31	38.80	32.61	23.43	19.90	1.536	1.901	2.754	2.577	3.067	4.268	5.025	79.380	0.106
475.08	65.12	52.60	36.32	38.83	32.62	23.45	19.92	1.536	1.901	2.753	2.575	3.065	4.264	5.019	79.332	0.106
475.28	65.11	52.60	36.34	38.85	32.64	23.47	19.94	1.536	1.901	2.752	2.574	3.064	4.260	5.016	79.297	0.106
475.49	65.11	52.61	36.36	38.87	32.66	23.49	19.96	1.536	1.901	2.750	2.573	3.062	4.257	5.011	79.255	0.106
475.69	65.12	52.64	36.38	38.90	32.69	23.51	19.98	1.536	1.900	2.749	2.571	3.059	4.253	5.006	79.201	0.106
475.89	65.12	52.66	36.40	38.93	32.72	23.54	20.00	1.536	1.899	2.747	2.569	3.057	4.248	5.000	79.145	0.105
476.09	65.13	52.67	36.42	38.96	32.74	23.57	20.03	1.535	1.899	2.746	2.567	3.054	4.243	4.993	79.087	0.105
476.29	65.14	52.69	36.43	38.99	32.78	23.59	20.05	1.535	1.898	2.745	2.565	3.051	4.238	4.988	79.032	0.105
476.49	65.14	52.70	36.46	39.02	32.80	23.61	20.07	1.535	1.897	2.743	2.563	3.049	4.235	4.984	78.987	0.105
476.69	65.12	52.70	36.46	39.03	32.80	23.62	20.08	1.536	1.898	2.743	2.562	3.049	4.234	4.980	78.968	0.105
476.9	65.11	52.70	36.48	39.06	32.81	23.64	20.11	1.536	1.897	2.741	2.560	3.048	4.230	4.973	78.924	0.105
477.1	65.10	52.71	36.49	39.08	32.83	23.66	20.13	1.536	1.897	2.741	2.559	3.046	4.227	4.967	78.880	0.105
477.3	65.10	52.73	36.51	39.11	32.85	23.68	20.16	1.536	1.897	2.739	2.557	3.044	4.223	4.961	78.827	0.105
477.5	65.09	52.74	36.53	39.14	32.87	23.70	20.18	1.536	1.896	2.737	2.555	3.042	4.219	4.956	78.780	0.105
477.7	65.08	52.76	36.54	39.17	32.89	23.73	20.20	1.537	1.895	2.736	2.553	3.040	4.215	4.951	78.734	0.105
477.9	65.08	52.77	36.56	39.20	32.93	23.75	20.22	1.537	1.895	2.736	2.551	3.037	4.211	4.945	78.678	0.105
478.11	65.08	52.78	36.57	39.24	32.96	23.77	20.25	1.537	1.895	2.734	2.549	3.034	4.206	4.939	78.623	0.105
478.31	65.09	52.80	36.59	39.26	32.97	23.79	20.27	1.536	1.894	2.733	2.547	3.033	4.204	4.932	78.579	0.105
478.51	65.10	52.83	36.62	39.29	33.00	23.82	20.30	1.536	1.893	2.730	2.545	3.030	4.199	4.925	78.511	0.105
478.71	65.12	52.85	36.65	39.33	33.02	23.84	20.33	1.536	1.892	2.728	2.543	3.028	4.194	4.919	78.451	0.105
478.91	65.13	52.87	36.67	39.36	33.05	23.86	20.35	1.535	1.891	2.727	2.540	3.026	4.191	4.913	78.397	0.104
479.11	65.14	52.89	36.69	39.39	33.06	23.89	20.37	1.535	1.891	2.726	2.539	3.024	4.186	4.910	78.353	0.104
479.31	65.14	52.92	36.72	39.42	33.10	23.91	20.40	1.535	1.890	2.723	2.537	3.021	4.182	4.903	78.289	0.104
479.52	65.16	52.96	36.74	39.46	33.13	23.93	20.42	1.535	1.888	2.722	2.534	3.019	4.179	4.896	78.229	0.104
479.72	65.17	52.99	36.76	39.49	33.16	23.96	20.46	1.534	1.887	2.720	2.532	3.016	4.174	4.888	78.162	0.104
479.92	65.17	53.00	36.78	39.53	33.18	23.99	20.49	1.534	1.887	2.719	2.530	3.014	4.169	4.880	78.101	0.104
480.12	65.21	53.04	36.83	39.57	33.21	24.02	20.52	1.534	1.885	2.717	2.527	3.012	4.163	4.874	78.030	0.104
480.32	65.21	53.07	36.83	39.60	33.23	24.04	20.53	1.533	1.884	2.715	2.526	3.010	4.160	4.870	77.985	0.104
480.52	65.19	53.07	36.83	39.61	33.23	24.05	20.55	1.534	1.884	2.715	2.525	3.009	4.158	4.865	77.959	0.104
480.72	65.20	53.08	36.84	39.63	33.25	24.07	20.59	1.534	1.884	2.714	2.523	3.008	4.154	4.857	77.905	0.104
480.92	65.24	53.14	36.88	39.69	33.31	24.11	20.62	1.533	1.882	2.711	2.520	3.002	4.149	4.849	77.813	0.104
481.13	65.25	53.16	36.91	39.73	33.34	24.13	20.64	1.533	1.881	2.709	2.517	2.999	4.144	4.8		

484.14	65.64	53.67	37.36	40.24	33.80	24.54	21.05	1.523	1.863	2.677	2.485	2.959	4.076	4.750	76.772	0.102
484.35	65.66	53.70	37.39	40.27	33.83	24.55	21.06	1.523	1.862	2.675	2.483	2.956	4.073	4.747	76.727	0.102
484.55	65.68	53.74	37.42	40.30	33.86	24.57	21.09	1.522	1.861	2.672	2.481	2.954	4.069	4.742	76.667	0.102
484.75	65.73	53.78	37.46	40.34	33.90	24.60	21.12	1.521	1.860	2.670	2.479	2.950	4.066	4.734	76.592	0.102
484.95	65.77	53.83	37.49	40.38	33.94	24.62	21.15	1.520	1.858	2.667	2.477	2.946	4.061	4.728	76.518	0.102
485.15	65.81	53.87	37.53	40.40	33.96	24.65	21.16	1.519	1.856	2.665	2.475	2.944	4.056	4.726	76.465	0.102
485.35	65.85	53.89	37.56	40.41	34.00	24.68	21.19	1.519	1.856	2.662	2.474	2.941	4.052	4.719	76.403	0.102
485.55	65.89	53.93	37.59	40.45	34.03	24.71	21.22	1.518	1.854	2.660	2.472	2.939	4.047	4.713	76.335	0.102
485.75	65.92	53.95	37.63	40.49	34.05	24.74	21.25	1.517	1.853	2.657	2.470	2.937	4.043	4.707	76.267	0.102
485.95	65.96	53.98	37.67	40.53	34.08	24.77	21.26	1.516	1.853	2.655	2.467	2.935	4.037	4.705	76.213	0.102
486.15	65.99	54.00	37.69	40.55	34.09	24.78	21.29	1.515	1.852	2.653	2.466	2.934	4.035	4.698	76.167	0.101
486.36	66.02	54.03	37.71	40.58	34.10	24.81	21.30	1.515	1.851	2.652	2.464	2.933	4.031	4.695	76.123	0.101
486.56	66.02	54.06	37.72	40.61	34.12	24.82	21.31	1.515	1.850	2.651	2.462	2.931	4.028	4.692	76.084	0.101
486.76	66.05	54.09	37.75	40.63	34.14	24.83	21.32	1.514	1.849	2.649	2.461	2.929	4.027	4.691	76.053	0.101
486.96	66.06	54.11	37.76	40.63	34.16	24.84	21.34	1.514	1.848	2.648	2.461	2.928	4.026	4.686	76.021	0.101
487.16	66.09	54.13	37.79	40.67	34.19	24.85	21.36	1.513	1.847	2.646	2.459	2.924	4.023	4.681	75.968	0.101
487.36	66.11	54.16	37.82	40.68	34.22	24.88	21.37	1.513	1.847	2.644	2.458	2.922	4.019	4.679	75.925	0.101
487.56	66.12	54.16	37.83	40.69	34.23	24.90	21.37	1.512	1.846	2.643	2.458	2.921	4.017	4.678	75.903	0.101
487.76	66.15	54.18	37.86	40.70	34.27	24.92	21.40	1.512	1.846	2.641	2.457	2.918	4.014	4.674	75.856	0.101
487.96	66.16	54.21	37.89	40.73	34.29	24.93	21.42	1.511	1.845	2.639	2.455	2.916	4.012	4.669	75.808	0.101
488.16	66.19	54.24	37.91	40.76	34.31	24.95	21.43	1.511	1.844	2.638	2.454	2.915	4.008	4.666	75.761	0.101
488.36	66.21	54.25	37.95	40.77	34.33	24.97	21.44	1.510	1.843	2.635	2.453	2.913	4.005	4.665	75.730	0.101
488.57	66.21	54.26	37.96	40.78	34.33	24.97	21.47	1.510	1.843	2.635	2.452	2.913	4.005	4.657	75.696	0.101
488.77	66.23	54.29	37.98	40.81	34.35	24.99	21.48	1.510	1.842	2.633	2.450	2.911	4.002	4.656	75.658	0.101
488.97	66.23	54.30	37.99	40.82	34.36	25.00	21.49	1.510	1.842	2.632	2.450	2.910	3.999	4.653	75.629	0.101
489.17	66.23	54.30	38.03	40.84	34.36	25.01	21.51	1.510	1.842	2.630	2.449	2.910	3.998	4.649	75.600	0.101
489.37	66.24	54.32	38.04	40.86	34.37	25.03	21.53	1.510	1.841	2.629	2.447	2.909	3.996	4.645	75.564	0.101
489.57	66.23	54.34	38.04	40.88	34.38	25.04	21.52	1.510	1.840	2.629	2.446	2.909	3.993	4.646	75.554	0.101
489.77	66.22	54.34	38.05	40.88	34.38	25.04	21.53	1.510	1.840	2.628	2.446	2.909	3.993	4.645	75.548	0.101
489.97	66.21	54.35	38.04	40.87	34.39	25.05	21.54	1.510	1.840	2.629	2.447	2.908	3.992	4.644	75.540	0.101
490.17	66.20	54.37	38.03	40.90	34.40	25.04	21.57	1.511	1.839	2.630	2.445	2.907	3.993	4.636	75.511	0.101
490.37	66.22	54.39	38.06	40.93	34.44	25.07	21.58	1.510	1.839	2.628	2.443	2.904	3.989	4.634	75.461	0.101
490.57	66.22	54.40	38.09	40.95	34.47	25.09	21.58	1.510	1.838	2.625	2.442	2.901	3.986	4.633	75.427	0.101
490.77	66.20	54.37	38.09	40.94	34.47	25.10	21.60	1.511	1.839	2.625	2.443	2.901	3.984	4.631	75.435	0.100
490.97	66.19	54.37	38.10	40.97	34.49	25.10	21.61	1.511	1.839	2.625	2.441	2.899	3.984	4.628	75.394	0.100
491.18	66.20	54.39	38.11	40.98	34.49	25.12	21.58	1.511	1.839	2.624	2.440	2.899	3.981	4.634	75.397	0.100
491.38	66.16	54.36	38.08	40.95	34.46	25.11	21.57	1.512	1.839	2.626	2.442	2.902	3.983	4.635	75.435	0.101
491.58	66.13	54.35	38.07	40.97	34.45	25.10	21.57	1.512	1.840	2.626	2.441	2.903	3.984	4.636	75.443	0.101
491.78	66.10	54.34	38.06	40.95	34.43	25.10	21.58	1.513	1.840	2.628	2.442	2.905	3.984	4.634	75.458	0.101
491.98	66.07	54.35	38.05	40.97	34.43	25.10	21.57	1.514	1.840	2.628	2.441	2.904	3.984	4.636	75.464	0.101
492.18	66.04	54.32	38.05	40.96	34.41	25.09	21.57	1.514	1.841	2.628	2.441	2.906	3.985	4.636	75.479	0.101
492.38	66.00	54.29	38.04	40.97	34.42	25.10	21.57	1.515	1.842	2.629	2.441	2.905	3.984	4.637	75.480	0.101
492.58	65.96	54.29	38.03	40.96	34.40	25.10	21.56	1.516	1.842	2.630	2.441	2.907	3.985	4.639	75.503	0.101
492.78	65.93	54.28	38.03	40.96	34.40	25.11	21.53	1.517	1.842	2.630	2.442	2.907	3.982	4.645	75.539	0.101
492.98	65.90	54.25	38.01	40.95	34.38	25.10	21.53	1.517	1.843	2.631	2.442	2.908	3.984	4.645	75.543	0.101
493.18	65.89	54.24	38.01	40.95	34.37	25.09	21.51	1.518	1.844	2.631	2.442	2.910	3.985	4.648	75.564	0.101
493.38	65.82	54.20	37.96	40.91	34.34	25.07	21.49	1.519	1.845	2.635	2.445	2.912	3.989	4.653	75.631	0.101
493.58	65.79	54.17	37.93	40.91	34.33	25.07	21.49	1.520	1.846	2.636	2.444	2.913	3.989	4.653	75.648	0.101
493.78	65.78	54.15	37.92	40.92	34.30	25.05	21.50	1.520	1.847	2.637	2.444	2.915	3.992	4.651	75.667	0.101
493.98	65.74	54.13	37.92	40.93	34.30	25.06	21.50	1.521	1.847	2.637	2.443	2.915	3.990	4.650	75.659	0.101
494.18	65.72	54.14	37.91	40.91	34.29	25.05	21.48	1.522	1.847	2.638	2.444	2.916	3.992	4.654	75.685	0.101
494.38	65.67	54.11	37.89	40.88	34.26	25.06	21.47	1.523	1.848	2.639	2.446	2.919	3.990	4.657	75.721	0.101
494.59	65.62	54.09	37.85	40.86	34.22	25.05	21.45	1.524	1.849	2.642	2.447	2.922	3.992	4.661	75.773	0.101
494.79	65.57	54.07	37.82	40.84	34.19	25.02	21.45	1.525	1.850	2.644	2.449	2.925	3.997	4.663	75.817	0.101
494.99	65.57	54.08	37.83	40.85	34.18	25.01	21.45	1.525	1.849	2.643	2.448	2.926	3.999	4.661	75.817	0.101
495.19	65.52	54.06	37.81	40.82	34.15	25.01	21.42	1.526	1.850	2.645	2.450	2.928	3.999	4.668	75.867	0.101
495.39	65.44	54.04	37.80	40.81	34.13	24.98	21.45	1.528	1.851	2.645	2.450	2.930	4.004	4.661	75.884	0.101
495.59	65.44	54.03	37.82	40.83	34.14	24.99	21.43	1.528	1.851	2.644	2.449	2.930	4.002	4.667	75.884	0.101
495.79	65.42	54.01	37.79	40.80	34.10	24.94	21.45	1.529	1.852	2.646	2.451	2.932	4.009	4.661	75.917	0.101
495.99	65.42	54.02	37.81	40.84	34.13	24.96	21.42	1.529	1.851	2.645	2.449	2.930	4.007	4.669	75.912	0.101
496.19	65.36	53.96	37.75	40.79	34.05	24.93	21.44	1.530	1.853	2.649	2.452	2.937	4.012	4.665	75.975	0.101
496.39	65.34	54.00	37.76	40.79	34.04	24.94	21.44	1.530	1.852	2.649	2.452	2.937	4.009	4.665	75.967	0.101
496.59	65.33	54.02	37.75	40.77	34.01	24.92	21.45	1.531	1.851	2.649	2.453	2.940	4.012	4.662	75.979	0.101
496.79	65.30	54.02	37.74	40.78	34.02	24.92	21.46	1.531	1.851	2.650	2.452	2.939	4.013	4.659	75.975	0.101
496.99	65.26	53.99	37.73	40.74	34.01	24.90	21.46	1.532	1.852	2.651	2.455	2.940	4.017	4.660	76.012	0.101
497.19	65.22	53.99	37.72	40.72	34.01	24.89	21.49	1.533	1.852	2.651	2.456	2.941	4.017	4.653	76.004	0.101
497.39	65.20	54.02	37.72	40.74	34.02	24.91	21.45	1.534	1.851	2.651	2.455	2.939	4.015	4.661	76.009	0.101
497.59	65.12	53.97	37.68	40.70	33.99	24.87	21.46	1.536	1.853	2.654	2.457	2.942	4.021	4.660	76.065	0.101
497.79	65.08	53.96	37.67	40.67	33.99	24.85	21.46	1.537	1.853	2.655	2.459	2.942	4.023	4.659	76.086	0.101
497.99	65.04	53.96	37.68	40.63	34.00	24.88	21.46	1.537	1.853	2.654	2.461	2.941	4.019			

500.99	64.82	53.79	37.54	40.34	33.82	24.69	21.37	1.543	1.859	2.664	2.479	2.957	4.050	4.679	76.441	0.102
501.19	64.83	53.81	37.52	40.38	33.83	24.72	21.40	1.543	1.858	2.665	2.477	2.956	4.045	4.673	76.396	0.102
501.39	64.84	53.82	37.54	40.37	33.84	24.72	21.35	1.542	1.858	2.664	2.477	2.955	4.045	4.684	76.423	0.102
501.59	64.81	53.76	37.51	40.37	33.79	24.70	21.37	1.543	1.860	2.666	2.477	2.959	4.049	4.680	76.453	0.102
501.79	64.92	53.85	37.59	40.40	33.87	24.77	21.32	1.540	1.857	2.660	2.475	2.953	4.037	4.690	76.380	0.102
501.99	64.81	53.78	37.54	40.38	33.81	24.72	21.31	1.543	1.859	2.664	2.476	2.958	4.046	4.693	76.466	0.102
502.19	64.78	53.75	37.49	40.38	33.76	24.66	21.27	1.544	1.860	2.667	2.477	2.962	4.055	4.701	76.557	0.102
502.39	64.74	53.73	37.47	40.36	33.75	24.62	21.21	1.545	1.861	2.669	2.477	2.963	4.062	4.715	76.634	0.102
502.59	64.73	53.71	37.44	40.33	33.72	24.60	21.23	1.545	1.862	2.671	2.480	2.966	4.065	4.710	76.660	0.102
502.79	64.75	53.76	37.50	40.34	33.76	24.63	21.20	1.544	1.860	2.667	2.479	2.962	4.060	4.717	76.626	0.102
502.99	64.70	53.75	37.49	40.29	33.75	24.58	21.18	1.546	1.860	2.667	2.482	2.963	4.069	4.722	76.696	0.102
503.19	64.64	53.69	37.44	40.21	33.69	24.53	21.16	1.547	1.862	2.671	2.487	2.968	4.077	4.726	76.796	0.102
503.39	64.54	53.60	37.38	40.20	33.62	24.50	21.10	1.549	1.866	2.675	2.487	2.974	4.082	4.739	76.907	0.102
503.59	64.43	53.54	37.32	40.15	33.57	24.44	21.11	1.552	1.868	2.680	2.491	2.979	4.091	4.736	76.988	0.103
503.79	64.37	53.52	37.30	40.16	33.56	24.44	21.17	1.554	1.868	2.681	2.490	2.980	4.092	4.724	76.963	0.103
503.99	64.39	53.56	37.30	40.18	33.60	24.48	21.19	1.553	1.867	2.681	2.489	2.976	4.084	4.719	76.900	0.102
504.19	64.40	53.56	37.34	40.21	33.66	24.52	21.23	1.553	1.867	2.678	2.487	2.971	4.078	4.711	76.819	0.102
504.39	64.42	53.58	37.36	40.24	33.70	24.59	21.24	1.552	1.866	2.676	2.485	2.967	4.067	4.708	76.748	0.102
504.59	64.47	53.67	37.40	40.30	33.72	24.61	21.21	1.551	1.863	2.674	2.483	2.966	4.064	4.715	76.715	0.102
504.79	64.44	53.63	37.38	40.27	33.71	24.57	21.18	1.552	1.865	2.675	2.483	2.966	4.069	4.722	76.772	0.102
504.99	64.38	53.56	37.35	40.28	33.69	24.51	21.17	1.553	1.867	2.678	2.482	2.968	4.080	4.724	76.835	0.102
505.19	64.38	53.55	37.37	40.27	33.65	24.53	21.15	1.553	1.867	2.676	2.483	2.972	4.077	4.728	76.855	0.102
505.39	64.37	53.58	37.35	40.23	33.63	24.48	21.08	1.554	1.866	2.678	2.485	2.974	4.085	4.744	76.946	0.103
505.59	64.32	53.53	37.27	40.20	33.59	24.43	21.10	1.555	1.868	2.683	2.487	2.977	4.093	4.739	77.000	0.103
505.79	64.28	53.50	37.25	40.13	33.57	24.38	21.07	1.556	1.869	2.685	2.492	2.979	4.102	4.747	77.092	0.103
505.99	64.15	53.42	37.18	40.06	33.44	24.30	21.09	1.559	1.872	2.690	2.497	2.990	4.115	4.742	77.216	0.103
506.19	64.23	53.42	37.21	40.05	33.46	24.29	21.06	1.557	1.872	2.687	2.497	2.988	4.117	4.747	77.218	0.103
506.39	64.25	53.45	37.21	40.01	33.47	24.27	21.10	1.556	1.871	2.687	2.499	2.988	4.120	4.739	77.205	0.103
506.59	64.23	53.47	37.21	40.02	33.44	24.28	21.15	1.557	1.870	2.687	2.499	2.990	4.119	4.728	77.171	0.103
506.79	64.20	53.56	37.26	40.05	33.48	24.37	21.01	1.558	1.867	2.684	2.497	2.987	4.103	4.759	77.180	0.103
506.99	64.04	53.51	37.12	39.95	33.36	24.26	21.04	1.562	1.869	2.694	2.503	2.998	4.122	4.753	77.335	0.103
507.19	64.03	53.45	37.14	40.01	33.39	24.29	21.04	1.562	1.871	2.693	2.500	2.995	4.117	4.752	77.295	0.103
507.39	64.04	53.46	37.08	40.04	33.39	24.31	20.99	1.562	1.870	2.697	2.497	2.995	4.113	4.764	77.321	0.103
507.59	63.96	53.40	37.02	39.95	33.35	24.26	21.02	1.563	1.873	2.701	2.503	2.999	4.122	4.757	77.397	0.103
507.79	63.99	53.42	37.10	39.96	33.34	24.29	20.97	1.563	1.872	2.695	2.503	2.999	4.117	4.769	77.391	0.103
507.99	64.01	53.50	37.11	39.96	33.33	24.29	20.82	1.562	1.869	2.695	2.502	3.001	4.117	4.803	77.485	0.103
508.19	63.82	53.33	37.00	39.88	33.19	24.13	20.77	1.567	1.875	2.703	2.508	3.013	4.145	4.815	77.737	0.104
508.39	63.75	53.24	36.91	39.78	33.10	24.07	20.64	1.569	1.878	2.709	2.514	3.022	4.155	4.846	77.954	0.104
508.59	63.68	53.22	36.82	39.70	33.03	23.95	20.57	1.570	1.879	2.716	2.519	3.027	4.176	4.862	78.136	0.104
508.79	63.62	53.10	36.80	39.70	33.00	23.92	20.61	1.572	1.883	2.717	2.519	3.030	4.181	4.851	78.155	0.104
508.99	63.64	53.20	36.87	39.76	32.99	23.99	20.53	1.571	1.880	2.712	2.515	3.032	4.169	4.870	78.136	0.104
509.19	63.57	53.16	36.77	39.72	32.91	23.93	20.46	1.573	1.881	2.719	2.517	3.038	4.179	4.888	78.287	0.104
509.39	63.47	53.14	36.70	39.66	32.85	23.92	20.46	1.576	1.882	2.725	2.521	3.044	4.181	4.888	78.357	0.104
509.58	63.34	53.06	36.69	39.66	32.84	23.94	20.46	1.579	1.885	2.726	2.521	3.046	4.177	4.889	78.376	0.104
509.78	63.34	53.08	36.66	39.67	32.81	23.93	20.29	1.579	1.884	2.727	2.521	3.048	4.179	4.928	78.507	0.105
509.98	63.24	52.99	36.58	39.61	32.75	23.88	20.27	1.581	1.887	2.734	2.525	3.053	4.187	4.932	78.620	0.105
510.18	63.28	53.03	36.58	39.62	32.76	23.86	20.25	1.580	1.886	2.733	2.524	3.052	4.191	4.939	78.636	0.105
510.38	63.27	53.15	36.59	39.61	32.74	23.89	20.16	1.581	1.882	2.733	2.524	3.054	4.186	4.961	78.677	0.105
510.58	63.16	53.09	36.54	39.64	32.68	23.88	20.14	1.583	1.884	2.737	2.523	3.060	4.188	4.964	78.734	0.105
510.78	63.16	53.05	36.55	39.56	32.71	23.85	20.07	1.583	1.885	2.736	2.528	3.057	4.192	4.982	78.811	0.105
510.98	63.10	52.89	36.47	39.45	32.66	23.71	20.06	1.585	1.891	2.742	2.535	3.062	4.218	4.985	78.988	0.105
511.18	63.09	52.79	36.46	39.43	32.67	23.69	20.02	1.585	1.894	2.743	2.536	3.061	4.221	4.995	79.044	0.105
511.38	62.98	52.79	36.38	39.37	32.54	23.63	19.95	1.588	1.894	2.749	2.540	3.073	4.233	5.014	79.221	0.106
511.58	62.88	52.71	36.36	39.25	32.43	23.51	19.97	1.590	1.897	2.750	2.548	3.083	4.253	5.009	79.357	0.106
511.78	62.88	52.78	36.42	39.25	32.44	23.56	19.82	1.590	1.895	2.746	2.548	3.083	4.244	5.045	79.413	0.106
511.98	62.77	52.64	36.32	39.11	32.38	23.48	19.84	1.593	1.900	2.754	2.557	3.088	4.259	5.040	79.552	0.106
512.18	62.68	52.48	36.24	39.01	32.38	23.43	20.02	1.595	1.905	2.759	2.563	3.089	4.267	4.996	79.523	0.106
512.38	62.71	52.67	36.33	39.07	32.44	23.49	20.05	1.595	1.899	2.753	2.559	3.083	4.257	4.989	79.386	0.106
512.58	62.66	52.65	36.28	39.04	32.45	23.55	20.12	1.596	1.899	2.756	2.562	3.082	4.246	4.969	79.322	0.106
512.78	62.61	52.68	36.34	39.02	32.42	23.52	20.10	1.597	1.898	2.752	2.563	3.084	4.252	4.974	79.351	0.106
512.97	62.51	52.76	36.29	38.96	32.39	23.44	19.98	1.600	1.896	2.756	2.567	3.087	4.266	5.005	79.517	0.106
513.17	62.26	52.57	36.13	38.79	32.27	23.24	19.99	1.606	1.902	2.768	2.578	3.099	4.302	5.002	79.789	0.106
513.37	62.26	52.59	36.06	38.68	32.23	23.26	19.94	1.606	1.901	2.773	2.585	3.103	4.300	5.016	79.876	0.106
513.57	62.20	52.60	35.95	38.66	32.22	23.14	19.84	1.608	1.901	2.782	2.587	3.104	4.321	5.040	80.048	0.107
513.77	62.10	52.53	35.86	38.53	32.08	23.00	19.78	1.610	1.904	2.789	2.595	3.117	4.349	5.054	80.291	0.107
513.97	61.92	52.47	35.86	38.47	31.96	23.00	19.84	1.615	1.906	2.789	2.599	3.129	4.348	5.040	80.327	0.107
514.17	61.89	52.49	35.90	38.43	31.90	22.92	19.79	1.616	1.905	2.786	2.602	3.134	4.363	5.052	80.427	0.107
514.37	61.79	52.42	35.82	38.45	31.78	22.91	19.71	1.618	1.908	2.791	2.601	3.147	4.365	5.073	80.565	0.107
514.57	61.65	52.25	35.72	38.36	31.68	22.88	19.76	1.622	1.914	2.800	2.607	3.156	4.372	5.060	80.663	0.107
514.77	61.67	52.22	35.79	38.32	31.70	22.79	19.59	1.622	1.915	2.794	2.610	3.155	4.387			

517.75	60.76	51.17	34.60	37.58	30.22	21.78	18.09	1.646	1.954	2.890	2.661	3.309	4.592	5.528	83.798	0.112
517.95	60.63	51.11	34.51	37.51	30.10	21.76	18.01	1.649	1.957	2.898	2.666	3.322	4.596	5.551	83.972	0.112
518.15	60.50	50.96	34.40	37.38	30.01	21.61	17.92	1.653	1.962	2.907	2.675	3.333	4.627	5.581	84.262	0.112
518.35	60.36	50.89	34.24	37.29	29.95	21.59	17.90	1.657	1.965	2.920	2.682	3.339	4.631	5.587	84.399	0.112
518.55	60.15	50.87	34.17	37.05	29.89	21.56	18.05	1.663	1.966	2.927	2.699	3.345	4.638	5.542	84.426	0.112
518.75	60.18	51.00	34.26	37.04	29.89	21.53	17.96	1.662	1.961	2.919	2.700	3.345	4.644	5.567	84.469	0.113
518.95	60.03	50.99	34.13	36.92	29.72	21.46	18.04	1.666	1.961	2.930	2.709	3.364	4.661	5.543	84.599	0.113
519.15	59.98	51.04	34.19	36.92	29.61	21.56	17.95	1.667	1.959	2.924	2.709	3.377	4.639	5.571	84.639	0.113
519.35	59.88	51.06	34.16	36.73	29.65	21.37	17.92	1.670	1.959	2.927	2.722	3.372	4.679	5.580	84.819	0.113
519.54	59.68	50.97	34.06	36.66	29.60	21.36	17.74	1.676	1.962	2.936	2.728	3.378	4.681	5.637	85.066	0.113
519.74	59.37	50.85	33.76	36.51	29.27	21.08	17.75	1.684	1.966	2.962	2.739	3.416	4.745	5.634	85.512	0.114
519.94	59.34	50.83	33.80	36.28	29.32	21.12	17.75	1.685	1.967	2.959	2.756	3.411	4.734	5.635	85.533	0.114
520.14	59.28	50.87	33.75	36.25	29.19	21.02	17.88	1.687	1.966	2.963	2.759	3.426	4.758	5.657	85.721	0.114
520.34	59.26	50.87	33.87	36.31	29.27	21.11	17.52	1.687	1.966	2.953	2.754	3.417	4.736	5.707	85.717	0.114
520.54	59.22	50.77	33.87	36.21	29.26	21.07	17.45	1.689	1.970	2.952	2.762	3.417	4.747	5.730	85.849	0.114
520.74	58.95	50.68	33.81	35.98	28.98	21.03	17.68	1.696	1.973	2.957	2.779	3.450	4.755	5.657	85.907	0.114
520.94	59.01	50.75	33.93	36.05	29.06	21.06	17.47	1.695	1.970	2.947	2.774	3.441	4.747	5.724	85.969	0.115
521.14	58.82	50.57	33.80	35.72	28.84	20.93	17.32	1.700	1.978	2.958	2.800	3.468	4.777	5.775	86.430	0.115
521.33	58.66	50.49	33.82	35.67	28.77	20.71	17.43	1.705	1.981	2.957	2.803	3.476	4.828	5.738	86.531	0.115
521.53	58.37	50.32	33.71	35.66	28.69	20.70	17.35	1.713	1.987	2.967	2.805	3.485	4.831	5.765	86.714	0.116
521.73	58.39	50.32	33.72	35.57	28.70	20.59	17.26	1.713	1.987	2.966	2.811	3.484	4.857	5.793	86.872	0.116
521.93	58.38	50.33	33.59	35.48	28.60	20.45	17.24	1.713	1.987	2.977	2.818	3.497	4.890	5.802	87.075	0.116
522.13	58.39	50.18	33.50	35.32	28.55	20.26	17.03	1.713	1.993	2.985	2.831	3.503	4.937	5.873	87.479	0.117
522.33	58.35	50.18	33.35	35.30	28.50	20.08	16.98	1.714	1.993	2.999	2.833	3.509	4.980	5.889	87.700	0.117
522.53	58.49	50.08	33.40	35.19	28.38	20.04	16.52	1.710	1.997	2.994	2.842	3.524	4.990	6.052	88.187	0.118
522.73	58.46	49.87	33.26	35.07	28.19	19.65	15.94	1.711	2.005	3.007	2.851	3.548	5.088	6.275	89.136	0.119
522.92	58.06	49.40	32.77	34.73	27.72	19.32	15.74	1.722	2.024	3.051	2.880	3.608	5.176	6.352	90.043	0.120
523.12	57.84	49.16	32.63	34.51	27.61	19.17	15.49	1.729	2.034	3.065	2.898	3.622	5.216	6.455	90.576	0.121
523.32	57.70	49.00	32.33	34.45	27.46	18.92	15.50	1.733	2.041	3.093	2.903	3.642	5.284	6.454	90.924	0.121
523.52	57.76	49.07	32.27	34.55	27.28	18.91	15.41	1.731	2.038	3.099	2.894	3.666	5.290	6.488	91.059	0.121
523.72	57.82	48.88	32.11	34.36	27.25	18.78	15.51	1.729	2.046	3.114	2.910	3.670	5.324	6.447	91.182	0.121
523.92	57.83	48.92	32.27	34.44	27.46	18.85	15.43	1.729	2.044	3.099	2.904	3.642	5.304	6.482	91.054	0.121
524.12	57.52	48.86	32.14	34.32	27.19	18.53	15.36	1.739	2.047	3.112	2.914	3.678	5.396	6.510	91.547	0.122
524.31	57.28	48.65	32.13	34.16	26.90	18.36	15.31	1.746	2.055	3.113	2.927	3.717	5.447	6.530	91.528	0.122
524.51	56.99	48.59	32.14	34.01	26.88	18.33	15.35	1.755	2.058	3.112	2.940	3.720	5.455	6.516	92.000	0.123
524.71	56.69	48.36	31.97	34.02	26.55	18.24	15.17	1.764	2.068	3.128	2.940	3.767	5.484	6.594	92.478	0.123
524.91	56.65	48.21	31.90	33.93	26.50	18.07	14.94	1.765	2.074	3.135	2.947	3.773	5.534	6.692	92.896	0.124
525.11	56.51	48.07	31.58	33.75	26.23	17.99	15.22	1.769	2.080	3.167	2.963	3.812	5.559	6.571	92.977	0.124
525.31	56.46	48.20	31.44	33.84	26.37	17.99	15.25	1.771	2.075	3.181	2.955	3.793	5.558	6.557	92.886	0.124
525.51	56.38	48.25	31.37	33.82	26.34	18.11	15.06	1.774	2.073	3.188	2.957	3.796	5.522	6.639	93.021	0.124
525.7	56.49	48.15	31.36	33.47	26.22	17.99	14.79	1.770	2.077	3.189	2.987	3.814	5.560	6.760	93.539	0.125
525.9	56.29	47.84	31.15	33.24	25.97	17.70	14.71	1.776	2.086	3.210	3.009	3.850	5.649	6.799	94.105	0.125
526.1	56.07	47.74	31.14	33.01	25.72	17.54	14.31	1.783	2.095	3.211	3.029	3.888	5.700	6.990	94.852	0.126
526.3	55.89	47.55	30.85	32.80	25.43	17.23	14.29	1.789	2.103	3.242	3.049	3.933	5.805	7.000	95.422	0.127
526.5	55.80	47.60	30.81	32.60	25.36	17.24	14.25	1.792	2.101	3.246	3.068	3.943	5.800	7.016	95.552	0.127
526.7	55.63	47.80	30.80	32.59	25.46	17.25	14.56	1.797	2.092	3.247	3.068	3.928	5.798	6.867	95.182	0.127
526.89	55.68	47.93	30.93	32.59	25.69	17.51	14.77	1.796	2.087	3.233	3.069	3.893	5.710	6.771	94.632	0.126
527.09	55.79	48.04	31.03	32.47	25.71	17.46	14.68	1.792	2.082	3.223	3.079	3.889	5.729	6.810	94.731	0.126
527.29	55.76	48.02	30.88	32.42	25.58	17.42	14.64	1.793	2.083	3.239	3.085	3.909	5.739	6.833	94.925	0.126
527.49	55.91	48.09	31.03	32.36	25.53	17.47	14.65	1.789	2.079	3.223	3.091	3.918	5.724	6.824	94.854	0.126
527.69	55.63	47.90	30.73	32.29	25.48	17.48	14.53	1.798	2.088	3.254	3.097	3.925	5.717	6.883	95.143	0.127
527.89	55.52	47.79	30.70	32.23	25.36	17.45	14.17	1.801	2.092	3.258	3.103	3.943	5.732	7.057	95.646	0.127
528.08	55.25	47.53	30.37	31.87	24.90	17.11	14.05	1.810	2.104	3.293	3.138	4.016	5.843	7.117	96.483	0.129
528.28	55.19	47.48	30.25	31.79	24.89	17.32	13.52	1.812	2.106	3.306	3.146	4.018	5.775	7.396	96.978	0.129
528.48	54.66	47.18	29.68	31.28	24.85	16.96	13.03	1.829	2.120	3.370	3.197	4.024	5.895	7.673	98.214	0.131
528.68	54.53	46.96	29.32	30.94	24.41	16.50	13.06	1.834	2.130	3.410	3.232	4.097	6.060	7.656	98.989	0.132
528.88	54.66	46.90	29.18	30.96	24.51	16.47	13.00	1.829	2.132	3.427	3.230	4.081	6.071	7.691	99.063	0.132
529.08	54.83	47.02	29.11	30.85	24.46	16.61	12.73	1.824	2.127	3.435	3.242	4.089	6.021	7.853	99.320	0.132
529.27	54.60	46.83	29.06	30.62	24.33	16.50	12.22	1.832	2.135	3.441	3.266	4.110	6.061	8.181	100.198	0.134
529.47	54.23	46.35	28.91	30.19	23.89	16.25	11.78	1.844	2.157	3.459	3.313	4.185	6.152	8.492	101.428	0.135
529.67	54.05	46.01	28.70	29.94	23.52	15.84	11.36	1.850	2.173	3.484	3.340	4.252	6.312	8.804	102.665	0.137
529.87	53.59	45.91	28.55	29.82	23.45	15.52	11.53	1.866	2.178	3.503	3.354	4.264	6.445	8.674	102.883	0.137
530.07	53.47	45.55	28.24	29.87	23.28	15.56	11.61	1.870	2.196	3.541	3.347	4.295	6.428	8.610	102.958	0.137
530.27	53.47	45.76	28.11	29.95	23.45	15.69	11.98	1.870	2.185	3.557	3.338	4.265	6.372	8.345	102.298	0.136
530.46	53.61	46.06	28.28	30.15	23.62	16.23	11.85	1.865	2.171	3.537	3.317	4.233	6.161	8.439	101.784	0.136
530.66	53.34	45.62	28.11	30.13	23.33	16.19	11.60	1.875	2.192	3.557	3.319	4.287	6.177	8.619	102.410	0.136
530.86	52.92	45.47	27.85	30.12	23.06	16.06	11.42	1.890	2.199	3.590	3.320	4.337	6.227	8.756	103.012	0.137
531.06	52.47	45.28	27.36	30.00	22.59	15.85	11.23	1.906	2.209	3.654	3.333	4.426	6.308	8.908	103.917	0.138
531.26	52.33	45.34	27.25	30.63	22.54	15.64	10.85	1.911	2.206	3.670	3.330	4.436	6.393	9.218	104.636	0.139
531.45	52.05	45.09	26.93	29.72	22.26	15.52	10.76	1.921	2.218	3.713	3.365	4.492	6.			

534.42	49.30	43.43	24.39	26.20	19.11	12.01	8.24	2.028	2.302	4.099	3.817	5.233	8.325	12.141	116.768	0.156
534.62	49.19	43.09	24.27	26.05	18.57	11.36	8.12	2.033	2.320	4.120	3.839	5.386	8.803	12.316	118.159	0.157
534.82	48.88	42.98	24.18	25.64	18.25	11.12	7.44	2.046	2.327	4.136	3.900	5.478	8.995	13.440	120.139	0.160
535.02	48.50	42.37	23.63	24.65	17.58	10.31	7.06	2.062	2.360	4.232	4.057	5.688	9.696	14.157	123.002	0.164
535.22	48.37	42.18	23.46	24.39	17.54	9.79	6.60	2.067	2.371	4.262	4.100	5.700	10.219	15.162	124.893	0.166
535.41	47.95	41.85	23.08	24.21	17.39	9.63	6.79	2.086	2.389	4.332	4.130	5.752	10.380	14.718	125.069	0.167
535.61	47.83	41.92	23.05	24.23	17.29	9.36	6.42	2.091	2.386	4.339	4.127	5.782	10.687	15.568	126.311	0.168
535.81	47.83	41.82	22.76	24.39	16.86	8.83	6.08	2.091	2.391	4.393	4.101	5.930	11.331	16.445	128.168	0.171
536.01	47.56	41.52	22.33	24.05	16.67	8.43	6.12	2.103	2.409	4.479	4.158	6.000	11.860	16.335	129.157	0.172
536.2	47.59	41.36	22.21	24.50	16.38	8.17	6.21	2.101	2.418	4.503	4.082	6.104	12.237	16.099	129.392	0.172
536.4	47.86	41.36	22.28	24.69	16.33	8.42	6.00	2.089	2.418	4.489	4.051	6.125	11.880	16.655	129.423	0.172
536.6	47.56	41.11	22.18	24.55	16.34	8.58	6.05	2.102	2.432	4.508	4.074	6.120	11.661	16.528	129.243	0.172
536.8	47.61	41.26	22.01	24.54	16.12	8.45	5.27	2.101	2.424	4.544	4.074	6.205	11.840	18.987	131.647	0.175
537	46.93	40.80	21.75	23.83	15.61	7.98	4.61	2.131	2.451	4.597	4.196	6.406	12.535	21.711	135.221	0.180
537.19	47.01	40.74	21.80	23.33	15.36	7.96	4.42	2.127	2.455	4.587	4.286	6.512	12.569	22.643	136.268	0.182
537.39	47.10	41.04	21.75	23.54	15.63	8.11	3.83	2.123	2.436	4.597	4.248	6.400	12.332	26.143	137.794	0.184
537.59	46.43	40.95	21.66	23.29	15.13	7.74	2.11	2.154	2.442	4.617	4.294	6.608	12.925	47.368	147.624	0.197
537.79	45.69	39.97	20.16	21.74	13.19	6.00	1.69	2.189	2.502	4.960	4.600	7.581	16.658	59.140	157.137	0.209
537.98	45.38	39.94	19.91	21.38	13.09	5.54	1.29	2.203	2.504	5.022	4.677	7.640	18.055	77.260	162.432	0.216
538.18	44.51	39.83	19.97	20.65	12.73	5.54	0.82	2.247	2.511	5.008	4.843	7.856	18.046	122.299	169.892	0.226
538.38	44.46	39.26	19.73	20.19	12.24	5.04	0.08	2.249	2.547	5.070	4.954	8.173	19.854	1262.272	205.955	0.274
538.58	44.76	39.12	19.33	20.06	11.55	4.73	-0.31	2.234	2.556	5.175	4.985	8.662	21.158	-322.234	#NUM!	#NUM!
538.77	44.25	39.21	18.95	19.69	11.36	4.73	-1.13	2.260	2.550	5.278	5.079	8.804	21.157	-88.784	#NUM!	#NUM!
538.97	44.06	38.98	18.45	18.91	10.61	3.77	-1.34	2.270	2.565	5.421	5.289	9.429	26.502	-74.528	#NUM!	#NUM!
539.17	44.03	38.73	18.43	18.73	10.29	3.75	-1.99	2.271	2.582	5.426	5.340	9.719	26.674	-50.316	#NUM!	#NUM!
539.37	43.75	38.35	17.77	17.98	9.63	2.95	-2.02	2.286	2.608	5.629	5.563	10.390	33.868	-49.415	#NUM!	#NUM!
539.56	43.77	38.04	18.04	17.86	9.57	3.19	-2.31	2.284	2.628	5.544	5.598	10.450	31.358	-43.280	#NUM!	#NUM!
539.76	44.01	38.07	18.40	17.91	9.65	3.23	-2.32	2.272	2.627	5.434	5.585	10.368	30.941	-43.073	#NUM!	#NUM!
539.96	43.35	37.96	18.17	17.13	9.05	3.29	-2.47	2.307	2.635	5.505	5.836	11.048	30.361	-40.419	#NUM!	#NUM!
540.16	42.89	37.50	18.04	16.82	8.72	3.21	-3.07	2.331	2.667	5.544	5.946	11.468	31.159	-32.573	#NUM!	#NUM!
540.35	42.56	37.57	18.03	16.41	8.55	3.39	-3.04	2.349	2.661	5.548	6.093	11.691	29.484	-32.853	#NUM!	#NUM!
540.55	42.66	37.88	18.39	16.37	8.80	3.65	-3.21	2.344	2.640	5.437	6.109	11.360	27.427	-31.179	#NUM!	#NUM!
540.75	42.09	37.80	17.73	15.79	8.14	3.13	-3.67	2.376	2.646	5.641	6.332	12.289	31.942	-27.269	#NUM!	#NUM!
540.95	41.42	37.34	17.40	15.38	7.48	2.35	-3.44	2.414	2.678	5.748	6.500	13.369	42.632	-29.108	#NUM!	#NUM!
541.14	41.26	37.42	17.63	15.74	7.97	2.32	-3.69	2.424	2.673	5.673	6.353	12.547	43.066	-27.124	#NUM!	#NUM!
541.34	40.41	36.74	16.81	15.68	7.62	1.69	-3.76	2.475	2.722	5.950	6.377	13.118	59.277	-26.621	#NUM!	#NUM!
541.54	40.47	36.19	16.63	15.65	7.13	0.85	-3.72	2.471	2.764	6.014	6.390	14.019	117.878	-26.856	#NUM!	#NUM!
541.74	41.27	36.50	16.90	15.64	7.68	0.99	-3.27	2.423	2.740	5.918	6.392	13.016	100.773	-30.616	#NUM!	#NUM!
541.93	40.77	36.65	16.75	16.06	8.16	1.21	-3.50	2.453	2.728	5.969	6.226	12.755	82.965	-28.608	#NUM!	#NUM!
542.13	40.42	36.32	16.47	15.68	7.68	1.11	-3.70	2.474	2.753	6.072	6.378	13.019	90.226	-27.055	#NUM!	#NUM!
542.33	40.31	36.10	16.21	15.59	7.49	0.61	-3.58	2.481	2.770	6.171	6.415	13.349	162.955	-27.932	#NUM!	#NUM!
542.53	39.87	36.18	16.31	15.36	7.28	0.86	-3.58	2.508	2.764	6.131	6.509	13.736	116.777	-27.896	#NUM!	#NUM!
542.72	39.60	35.87	16.36	14.86	7.29	0.71	-4.09	2.526	2.788	6.113	6.727	13.710	140.121	-24.435	#NUM!	#NUM!
542.92	39.14	35.17	15.88	14.33	6.98	-0.03	-4.30	2.555	2.843	6.298	6.980	14.319	-3750.000	-23.233	#NUM!	#NUM!
543.12	38.97	34.95	15.61	14.23	7.23	-0.13	-3.59	2.566	2.861	6.406	7.028	13.839	-779.221	-27.883	#NUM!	#NUM!
543.32	38.92	35.73	15.71	14.77	7.79	0.53	-3.08	2.569	2.798	6.366	6.770	12.844	187.149	-32.466	#NUM!	#NUM!
543.51	39.07	35.76	16.08	14.84	7.41	1.03	-3.56	2.560	2.796	6.221	6.741	13.501	97.087	-28.114	#NUM!	#NUM!
543.71	38.28	35.19	15.39	13.99	6.83	0.21	-3.37	2.612	2.842	6.500	7.150	14.652	471.698	-29.690	#NUM!	#NUM!
543.91	37.73	34.86	14.95	13.59	6.27	0.34	-4.15	2.651	2.868	6.690	7.356	15.940	714.286	-24.119	#NUM!	#NUM!
544.11	37.37	33.79	14.42	13.58	5.87	-0.59	-4.52	2.676	2.960	6.933	7.362	17.034	-169.109	-22.121	#NUM!	#NUM!
544.3	36.92	33.99	13.92	13.51	5.82	-1.16	-4.43	2.709	2.942	7.184	7.403	17.195	-86.356	-22.577	#NUM!	#NUM!
544.5	36.63	33.68	13.70	13.31	6.16	-1.55	-4.32	2.730	2.969	7.301	7.512	16.247	-64.725	-23.122	#NUM!	#NUM!
544.7	35.94	33.49	13.30	13.05	6.18	-2.24	-4.43	2.782	2.986	7.517	7.662	16.184	-44.716	-22.580	#NUM!	#NUM!
544.89	36.15	33.67	13.99	13.56	6.45	-2.15	-4.33	2.766	2.970	7.146	7.377	15.496	-46.606	-23.073	#NUM!	#NUM!
545.09	36.65	33.77	14.10	14.14	6.43	-1.76	-4.42	2.729	2.961	7.093	7.074	15.542	-56.732	-22.601	#NUM!	#NUM!
545.29	36.70	33.27	13.76	14.00	5.82	-1.78	-4.82	2.725	2.906	7.265	7.142	17.170	-56.064	-20.758	#NUM!	#NUM!
545.49	36.52	33.06	13.40	13.53	5.40	-2.11	-5.54	2.738	3.025	7.463	7.390	18.516	-47.408	-18.043	#NUM!	#NUM!
545.68	35.82	33.15	12.83	12.38	4.74	-2.88	-5.71	2.792	3.017	7.808	8.078	21.079	-34.706	-17.499	#NUM!	#NUM!
545.88	34.89	33.25	11.97	12.03	4.32	-3.12	-5.38	2.867	3.007	8.356	8.312	23.159	-32.092	-18.603	#NUM!	#NUM!
546.08	35.08	33.06	11.80	11.76	4.28	-3.04	-5.38	2.851	3.025	8.478	8.507	23.364	-32.891	-18.603	#NUM!	#NUM!
546.27	35.10	33.24	11.37	11.59	4.22	-3.46	-5.30	2.849	3.008	8.795	8.628	23.710	-28.941	-18.851	#NUM!	#NUM!
546.47	35.20	33.40	11.48	11.75	4.37	-3.51	-5.40	2.841	2.994	8.713	8.507	22.878	-28.485	-18.517	#NUM!	#NUM!
546.67	35.25	33.01	10.58	11.99	4.80	-3.57	-5.16	2.837	3.029	9.450	8.343	20.846	-27.996	-19.362	#NUM!	#NUM!
546.87	35.11	33.65	10.74	12.68	5.05	-3.78	-4.96	2.848	2.972	9.310	7.884	19.812	-26.481	-20.143	#NUM!	#NUM!
547.06	35.43	33.92	11.37	12.33	5.20	-3.73	-4.14	2.823	2.948	8.797	8.109	19.238	-26.824	-24.177	#NUM!	#NUM!
547.26	35.39	34.09	11.56	12.82	5.84	-3.28	-4.47	2.825	2.933	8.653	7.803	17.110	-30.494	-22.390	#NUM!	#NUM!
547.46	35.48	33.47	11.70	12.52	5.32	-4.14	-4.76	2.818	2.988	8.547	7.987	18.782	-24.145	-20.999	#NUM!	#NUM!
547.65	35.76	33.55	12.12	12.28	5.46	-4.22	-4.30	2.796	2.981	8.251	8.145	18.305	-23.715	-23.229	#NUM!	#NUM!
547.85	36.39	34.03	12.40	12.71	5.84	-3.86	-5.67	2.748	2.939	8.063	7.868	17.122	-25.934	-17.640	#NUM!	#NUM!
548.05	35.73	33.70	11.52	12.37	5.22	-4.79	-5.12	2.798	2.968	8.684	8.084	19.174	-20.875	-19.535	#NUM!	#NUM!
548.24	36.01	34.60	12.16	12.85	5.22	-4.44	-4.30	2.777	2.890	8.222	7.785	19.146	-22.511	-23.230	#NUM!	#NUM!
548.44	36.91	34.94	13.02	13.35	5.47	-3.56	-4.06	2.709	2.862	7.683	7.493	18.285	-28.069	-24.639	#NUM!	#NUM!
548.64	36.94	35.31	12.93													

Emiluma/Lumaloc Trial 3 Mean Data

[illegible]

419.58	77.65	63.72	48.02	34.51	34.20	32.73	20.65		1.288	1.569	2.082	2.898	2.924	3.056	4.843	69.435	0.097
419.79	78.01	63.93	48.22	34.56	34.33	32.73	20.64		1.282	1.564	2.074	2.893	2.913	3.055	4.845	69.304	0.097
419.99	78.47	64.24	48.63	34.89	34.69	33.03	21.04		1.274	1.557	2.056	2.866	2.883	3.027	4.754	68.578	0.096
420.2	78.91	64.68	48.97	35.21	34.97	33.32	21.40		1.267	1.546	2.042	2.840	2.860	3.001	4.672	67.916	0.095
420.4	79.18	64.78	48.99	35.32	35.21	33.32	21.33		1.263	1.544	2.041	2.831	2.840	3.001	4.688	67.824	0.095
420.61	79.37	64.86	49.08	35.44	35.18	33.36	21.45		1.260	1.542	2.037	2.822	2.843	2.998	4.662	67.671	0.094
420.81	79.61	65.03	49.21	35.59	35.24	33.42	21.63		1.256	1.538	2.032	2.810	2.837	2.992	4.623	67.414	0.094
421.02	79.47	64.96	49.27	35.57	35.35	33.42	21.70		1.258	1.539	2.030	2.811	2.829	2.992	4.609	67.347	0.094
421.22	79.78	65.30	49.48	35.71	35.67	33.50	21.84		1.253	1.531	2.021	2.800	2.803	2.985	4.578	66.990	0.093
421.43	80.09	65.49	49.55	35.78	35.77	33.52	21.93		1.249	1.527	2.018	2.795	2.795	2.983	4.559	66.824	0.093
421.63	80.22	65.63	49.58	35.80	35.78	33.48	21.85		1.247	1.524	2.017	2.786	2.795	2.987	4.577	66.834	0.093
421.84	80.40	65.90	49.74	36.03	35.97	33.62	21.94		1.244	1.517	2.010	2.775	2.780	2.975	4.559	66.567	0.093
422.04	80.81	66.17	50.07	36.41	36.36	33.92	22.22		1.237	1.511	1.997	2.746	2.750	2.948	4.500	65.936	0.092
422.24	80.65	66.09	49.98	36.40	36.39	33.90	22.15		1.240	1.513	2.001	2.747	2.748	2.950	4.515	66.016	0.092
422.45	80.91	66.15	50.03	36.54	36.49	33.91	22.08		1.236	1.512	1.999	2.736	2.741	2.949	4.529	65.957	0.092
422.65	80.76	66.13	50.08	36.53	36.47	33.81	22.02		1.238	1.512	1.997	2.737	2.742	2.957	4.541	66.040	0.092
422.86	80.78	66.22	50.25	36.75	36.61	33.92	22.06		1.238	1.510	1.990	2.721	2.732	2.948	4.533	65.832	0.092
423.06	81.11	66.56	50.56	37.00	36.84	34.26	22.23		1.233	1.502	1.978	2.702	2.714	2.919	4.499	65.360	0.091
423.27	81.12	66.62	50.58	37.00	36.87	34.28	22.16		1.233	1.501	1.977	2.703	2.712	2.917	4.512	65.375	0.091
423.47	81.19	66.63	50.71	37.17	37.04	34.33	22.28		1.232	1.501	1.972	2.690	2.699	2.913	4.488	65.149	0.091
423.68	81.21	66.68	50.75	37.25	37.13	34.43	22.40		1.231	1.500	1.970	2.685	2.693	2.905	4.464	64.979	0.091
423.88	81.22	66.71	50.76	37.31	37.25	34.51	22.47		1.231	1.499	1.970	2.680	2.685	2.898	4.451	64.854	0.090
424.09	81.23	66.78	50.82	37.40	37.28	34.55	22.57		1.231	1.497	1.968	2.674	2.682	2.895	4.431	64.725	0.090
424.29	81.21	66.78	50.84	37.41	37.28	34.56	22.55		1.231	1.497	1.967	2.673	2.682	2.893	4.436	64.727	0.090
424.5	81.14	66.71	50.82	37.45	37.25	34.53	22.47		1.232	1.499	1.968	2.670	2.684	2.896	4.451	64.999	0.090
424.7	81.15	66.86	50.98	37.55	37.31	34.60	22.57		1.232	1.496	1.961	2.663	2.680	2.890	4.431	64.622	0.090
424.91	81.14	66.94	51.10	37.63	37.42	34.62	22.53		1.232	1.494	1.957	2.658	2.673	2.889	4.438	64.561	0.090
425.11	81.18	66.98	51.16	37.69	37.43	34.65	22.56		1.232	1.493	1.955	2.653	2.672	2.886	4.432	64.494	0.090
425.31	81.28	67.10	51.25	37.86	37.51	34.80	22.70		1.230	1.490	1.951	2.642	2.666	2.873	4.405	64.254	0.090
425.52	81.16	66.99	51.27	37.89	37.47	34.85	22.77		1.232	1.493	1.950	2.639	2.669	2.870	4.392	64.211	0.089
425.72	80.98	66.97	51.31	37.96	37.49	34.91	22.89		1.235	1.493	1.949	2.635	2.667	2.864	4.369	64.093	0.089
425.93	80.98	66.94	51.38	38.05	37.56	34.98	22.99		1.235	1.494	1.946	2.628	2.662	2.859	4.350	63.955	0.089
426.13	80.82	66.83	51.39	38.04	37.52	34.95	23.00		1.237	1.496	1.946	2.629	2.665	2.861	4.348	63.988	0.089
426.34	80.71	66.77	51.39	38.01	37.48	34.94	23.01		1.239	1.498	1.946	2.631	2.668	2.862	4.346	64.018	0.089
426.54	80.65	66.81	51.43	38.01	37.46	34.94	23.01		1.240	1.497	1.944	2.631	2.670	2.862	4.345	64.014	0.089
426.75	80.57	66.80	51.45	38.00	37.48	34.94	23.07		1.241	1.497	1.944	2.632	2.668	2.862	4.335	63.980	0.089
426.95	80.57	66.84	51.47	38.10	37.55	35.02	23.20		1.241	1.496	1.943	2.634	2.663	2.855	4.311	63.813	0.089
427.16	80.43	66.76	51.44	38.05	37.55	35.00	23.16		1.243	1.498	1.944	2.628	2.663	2.857	4.318	63.882	0.089
427.36	80.28	66.64	51.41	38.03	37.52	34.95	23.17		1.246	1.501	1.945	2.630	2.666	2.861	4.316	63.931	0.089
427.56	80.18	66.60	51.43	38.08	37.57	34.94	23.15		1.247	1.501	1.944	2.626	2.662	2.862	4.320	63.924	0.089
427.77	80.15	66.57	51.40	38.04	37.55	34.92	23.16		1.248	1.502	1.945	2.628	2.663	2.863	4.318	63.950	0.089
427.97	80.02	66.51	51.39	38.03	37.48	34.90	23.15		1.250	1.503	1.946	2.629	2.668	2.865	4.320	63.999	0.089
428.18	79.82	66.39	51.32	38.03	37.45	34.87	23.16		1.253	1.506	1.949	2.630	2.670	2.868	4.319	64.051	0.089
428.38	79.75	66.33	51.38	38.08	37.49	34.93	23.17		1.254	1.508	1.946	2.626	2.667	2.863	4.316	63.996	0.089
428.59	79.68	66.27	51.35	38.08	37.48	34.90	23.18		1.255	1.509	1.947	2.626	2.668	2.865	4.315	64.018	0.089
428.79	79.60	66.24	51.37	38.11	37.49	34.93	23.20		1.256	1.510	1.947	2.624	2.668	2.863	4.310	63.990	0.089
428.99	79.48	66.16	51.36	38.07	37.45	34.97	23.23		1.258	1.511	1.947	2.627	2.670	2.859	4.304	63.989	0.089
429.2	79.35	66.03	51.32	38.05	37.41	34.97	23.26		1.260	1.514	1.949	2.628	2.673	2.860	4.300	64.022	0.089
429.4	79.13	65.92	51.25	38.02	37.41	34.94	23.27		1.264	1.517	1.951	2.631	2.673	2.862	4.298	64.071	0.089
429.61	79.01	65.80	51.19	37.99	37.38	34.89	23.27		1.266	1.520	1.953	2.633	2.675	2.866	4.298	64.130	0.089
429.81	78.86	65.74	51.14	37.98	37.36	34.87	23.26		1.268	1.521	1.956	2.633	2.677	2.868	4.299	64.172	0.089
430.02	78.71	65.62	51.05	37.93	37.30	34.79	23.21		1.270	1.524	1.959	2.636	2.681	2.874	4.309	64.298	0.090
430.22	78.57	65.52	51.02	37.92	37.28	34.80	23.21		1.273	1.526	1.960	2.637	2.682	2.874	4.308	64.324	0.090
430.43	78.41	65.40	50.95	37.90	37.26	34.78	23.21		1.275	1.529	1.963	2.639	2.684	2.875	4.308	64.374	0.090
430.63	78.30	65.30	50.90	37.87	37.22	34.74	23.20		1.277	1.531	1.965	2.641	2.686	2.879	4.310	64.436	0.090
430.83	78.18	65.21	50.87	37.86	37.22	34.76	23.22		1.279	1.533	1.966	2.641	2.687	2.877	4.307	64.444	0.090
431.04	78.06	65.11	50.84	37.84	37.19	34.74	23.20		1.281	1.536	1.967	2.643	2.689	2.879	4.311	64.498	0.090
431.24	77.93	65.01	50.81	37.80	37.18	34.72	23.19		1.283	1.538	1.968	2.646	2.689	2.880	4.313	64.549	0.090
431.45	77.80	64.94	50.79	37.79	37.18	34.70	23.22		1.285	1.540	1.969	2.646	2.690	2.881	4.307	64.554	0.090
431.65	77.68	64.85	50.74	37.78	37.18	34.66	23.22		1.287	1.542	1.971	2.647	2.689	2.885	4.307	64.597	0.090
431.85	77.57	64.77	50.70	37.75	37.14	34.63	23.22		1.289	1.544	1.972	2.649	2.692	2.888	4.307	64.648	0.090
432.06	77.41	64.68	50.65	37.74	37.11	34.62	23.22		1.292	1.546	1.975	2.650	2.695	2.889	4.307	64.693	0.090
432.26	77.30	64.58	50.62	37.73	37.12	34.60	23.23		1.294	1.548	1.976	2.651	2.694	2.891	4.305	64.716	0.090
432.47	77.19	64.52	50.61	37.71	37.10	34.59	23.24		1.296	1.550	1.978	2.652	2.696	2.891	4.303	64.739	0.090
432.67	77.03	64.43	50.53	37.68	37.05	34.57	23.24		1.298	1.552	1.979	2.654	2.699	2.893	4.303	64.793	0.090
432.88	76.90	64.36	50.51	37.68	37.04	34.57	23.26		1.300	1.554	1.980	2.654	2.700	2.893	4.300	64.806	0.090
433.08	76.78	64.27	50.46	37.65	37.02	34.54	23.25		1.302	1.556	1.982	2.656	2.701	2.895	4.301	64.857	0.090
433.28	76.70	64.21	50.43	37.67	37.02	34.52	23.27		1.304	1.557	1.983	2.655	2.701	2.897	4.297	64.859	0.090
433.49	76.55	64.11	50.38	37.64													

440.62	71.95	60.56	48.48	36.42	35.67	33.48	22.73		1.390	1.651	2.063	2.746	2.803	2.987	4.399	67.315	0.094
440.83	71.81	60.46	48.41	36.39	35.63	33.45	22.71		1.393	1.654	2.066	2.748	2.807	2.990	4.403	67.395	0.094
441.03	71.68	60.36	48.35	36.35	35.59	33.42	22.69		1.395	1.657	2.068	2.751	2.810	2.993	4.408	67.473	0.094
441.24	71.53	60.26	48.28	36.31	35.55	33.39	22.67		1.398	1.659	2.071	2.754	2.813	2.995	4.411	67.550	0.094
441.44	71.39	60.15	48.22	36.27	35.50	33.34	22.65		1.401	1.662	2.074	2.757	2.817	2.999	4.414	67.633	0.094
441.64	71.25	60.04	48.16	36.22	35.45	33.31	22.63		1.403	1.666	2.077	2.761	2.821	3.003	4.419	67.723	0.094
441.85	71.12	59.93	48.09	36.18	35.42	33.27	22.61		1.406	1.669	2.079	2.764	2.823	3.006	4.422	67.801	0.094
442.05	70.97	59.82	48.03	36.14	35.37	33.23	22.60		1.409	1.672	2.082	2.767	2.827	3.009	4.425	67.881	0.095
442.25	70.81	59.69	47.95	36.09	35.32	33.19	22.57		1.412	1.675	2.086	2.771	2.831	3.013	4.431	67.984	0.095
442.46	70.67	59.59	47.89	36.05	35.28	33.16	22.55		1.415	1.678	2.088	2.774	2.834	3.016	4.434	68.061	0.095
442.66	70.55	59.49	47.83	36.00	35.24	33.12	22.53		1.417	1.681	2.091	2.778	2.838	3.019	4.438	68.143	0.095
442.86	70.41	59.39	47.76	35.95	35.20	33.08	22.51		1.420	1.684	2.094	2.782	2.841	3.023	4.442	68.228	0.095
443.07	70.27	59.28	47.70	35.91	35.16	33.05	22.50		1.423	1.687	2.096	2.784	2.844	3.026	4.445	68.304	0.095
443.27	70.14	59.19	47.64	35.87	35.12	33.02	22.48		1.426	1.690	2.099	2.788	2.847	3.029	4.449	68.382	0.095
443.48	70.00	59.10	47.59	35.83	35.08	32.99	22.46		1.429	1.692	2.101	2.791	2.850	3.031	4.452	68.451	0.095
443.68	69.86	58.99	47.52	35.79	35.03	32.95	22.44		1.431	1.695	2.104	2.794	2.854	3.035	4.456	68.542	0.096
443.88	69.72	58.89	47.46	35.74	34.99	32.91	22.42		1.434	1.698	2.107	2.798	2.858	3.039	4.460	68.626	0.096
444.09	69.58	58.79	47.40	35.70	34.95	32.88	22.40		1.437	1.701	2.110	2.801	2.861	3.042	4.464	68.705	0.096
444.29	69.44	58.69	47.34	35.67	34.91	32.84	22.38		1.440	1.704	2.112	2.804	2.864	3.045	4.467	68.782	0.096
444.49	69.31	58.59	47.29	35.62	34.87	32.80	22.36		1.443	1.707	2.115	2.807	2.867	3.049	4.472	68.867	0.096
444.7	69.17	58.48	47.22	35.57	34.83	32.76	22.34		1.446	1.710	2.118	2.811	2.871	3.052	4.477	68.955	0.096
444.9	69.04	58.38	47.16	35.54	34.78	32.73	22.32		1.449	1.713	2.120	2.814	2.875	3.055	4.479	69.032	0.096
445.1	68.92	58.29	47.11	35.49	34.75	32.70	22.31		1.451	1.716	2.123	2.817	2.878	3.058	4.482	69.102	0.096
445.31	68.79	58.21	47.06	35.46	34.72	32.67	22.30		1.454	1.718	2.125	2.820	2.880	3.061	4.485	69.165	0.096
445.51	68.68	58.11	47.01	35.43	34.69	32.64	22.29		1.456	1.721	2.127	2.823	2.883	3.063	4.487	69.231	0.096
445.71	68.56	58.04	46.95	35.39	34.66	32.62	22.27		1.459	1.723	2.130	2.825	2.886	3.065	4.491	69.297	0.097
445.92	68.43	57.94	46.89	35.36	34.62	32.59	22.25		1.461	1.726	2.133	2.828	2.889	3.068	4.494	69.371	0.097
446.12	68.33	57.87	46.85	35.34	34.59	32.57	22.24		1.463	1.728	2.134	2.830	2.891	3.070	4.496	69.418	0.097
446.32	68.23	57.80	46.81	35.31	34.57	32.55	22.23		1.466	1.730	2.136	2.832	2.893	3.072	4.498	69.472	0.097
446.53	68.14	57.74	46.78	35.29	34.55	32.53	22.23		1.468	1.732	2.138	2.834	2.894	3.074	4.499	69.510	0.097
446.73	68.02	57.66	46.73	35.26	34.52	32.51	22.21		1.470	1.734	2.140	2.836	2.897	3.076	4.502	69.572	0.097
446.93	67.91	57.58	46.68	35.23	34.49	32.49	22.20		1.473	1.737	2.142	2.839	2.899	3.078	4.504	69.633	0.097
447.14	67.80	57.50	46.63	35.20	34.47	32.47	22.19		1.475	1.739	2.144	2.841	2.901	3.080	4.507	69.688	0.097
447.34	67.71	57.44	46.60	35.18	34.45	32.45	22.18		1.477	1.741	2.146	2.842	2.903	3.081	4.508	69.728	0.097
447.54	67.63	57.38	46.58	35.17	34.44	32.44	22.18		1.479	1.743	2.147	2.843	2.904	3.082	4.509	69.757	0.097
447.75	67.55	57.32	46.53	35.16	34.42	32.43	22.17		1.480	1.745	2.149	2.844	2.905	3.083	4.510	69.794	0.097
447.95	67.46	57.26	46.50	35.15	34.41	32.42	22.17		1.482	1.746	2.151	2.845	2.906	3.084	4.510	69.822	0.097
448.15	67.40	57.22	46.48	35.14	34.40	32.42	22.18		1.484	1.748	2.152	2.846	2.907	3.084	4.510	69.836	0.097
448.36	67.34	57.17	46.45	35.13	34.39	32.42	22.18		1.485	1.749	2.153	2.847	2.908	3.085	4.509	69.861	0.097
448.56	67.27	57.13	46.42	35.11	34.38	32.41	22.18		1.487	1.751	2.154	2.848	2.909	3.085	4.509	69.886	0.097
448.76	67.22	57.09	46.40	35.12	34.38	32.42	22.19		1.488	1.751	2.155	2.847	2.908	3.085	4.507	69.885	0.097
448.97	67.17	57.08	46.39	35.12	34.39	32.42	22.20		1.489	1.752	2.156	2.847	2.908	3.084	4.505	69.879	0.097
449.17	67.13	57.06	46.38	35.13	34.40	32.43	22.21		1.490	1.752	2.156	2.847	2.907	3.083	4.503	69.870	0.097
449.37	67.07	57.04	46.37	35.13	34.41	32.44	22.22		1.491	1.753	2.157	2.846	2.906	3.082	4.501	69.862	0.097
449.58	67.04	57.02	46.36	35.14	34.42	32.45	22.23		1.492	1.754	2.157	2.846	2.905	3.081	4.499	69.854	0.097
449.78	66.99	57.01	46.36	35.14	34.43	32.47	22.24		1.493	1.754	2.157	2.846	2.905	3.080	4.496	69.842	0.097
449.98	66.96	57.00	46.35	35.15	34.45	32.49	22.26		1.493	1.754	2.157	2.845	2.903	3.078	4.492	69.815	0.097
450.19	66.95	57.01	46.36	35.17	34.47	32.52	22.28		1.494	1.754	2.157	2.843	2.901	3.075	4.488	69.772	0.097
450.39	66.91	57.01	46.36	35.18	34.49	32.54	22.30		1.494	1.754	2.157	2.842	2.900	3.073	4.484	69.748	0.097
450.59	66.90	57.01	46.37	35.20	34.51	32.57	22.33		1.495	1.754	2.157	2.841	2.898	3.071	4.479	69.706	0.097
450.79	66.88	57.02	46.37	35.22	34.53	32.59	22.35		1.495	1.754	2.156	2.839	2.896	3.068	4.474	69.667	0.097
451	66.90	57.05	46.40	35.26	34.57	32.63	22.39		1.495	1.753	2.155	2.836	2.892	3.064	4.467	69.596	0.097
451.2	66.91	57.09	46.42	35.29	34.61	32.68	22.42		1.495	1.752	2.154	2.834	2.889	3.060	4.460	69.529	0.097
451.4	66.92	57.12	46.45	35.32	34.65	32.72	22.46		1.494	1.751	2.153	2.831	2.886	3.056	4.453	69.457	0.097
451.61	66.94	57.17	46.47	35.36	34.69	32.77	22.49		1.494	1.749	2.152	2.828	2.883	3.052	4.446	69.383	0.097
451.81	66.97	57.22	46.51	35.41	34.74	32.82	22.54		1.493	1.748	2.150	2.824	2.878	3.047	4.437	69.286	0.097
452.01	67.01	57.28	46.55	35.45	34.80	32.88	22.58		1.492	1.746	2.148	2.821	2.874	3.042	4.429	69.192	0.096
452.22	67.04	57.33	46.58	35.49	34.84	32.93	22.62		1.492	1.744	2.147	2.817	2.870	3.037	4.422	69.111	0.096
452.42	67.10	57.40	46.63	35.55	34.91	32.99	22.67		1.490	1.742	2.144	2.813	2.865	3.031	4.411	69.000	0.096
452.62	67.21	57.54	46.73	35.64	35.00	33.09	22.74		1.488	1.738	2.140	2.806	2.857	3.022	4.397	68.816	0.096
452.83	67.34	57.68	46.83	35.73	35.10	33.20	22.82		1.485	1.734	2.135	2.799	2.849	3.012	4.383	68.631	0.096
453.03	67.46	57.80	46.92	35.82	35.20	33.29	22.89		1.482	1.730	2.131	2.792	2.841	3.004	4.369	68.459	0.095
453.23	67.59	57.94	47.02	35.91	35.30	33.40	22.97		1.479	1.726	2.127	2.784	2.833	2.994	4.354	68.288	0.095
453.43	67.78	58.13	47.16	36.04	35.43	33.53	23.06		1.475	1.720	2.121	2.775	2.822	2.982	4.336	68.026	0.095
453.64	67.92	58.28	47.26	36.13	35.54	33.64	23.14		1.472	1.716	2.116	2.767	2.814	2.973	4.321	67.834	0.095
453.84	68.14	58.49	47.42	36.28	35.69	33.79	23.25		1.468	1.710	2.109	2.756	2.802	2.960	4.301	67.559	0.094
454.04	68.28	58.64	47.52	36.38	35.79	33.89	23.33		1.465	1.705	2.104	2.749	2.794	2.951	4.286	67.368	0.094
454.25	68.48	58.83	47.67	36.50	35.92	34.02	23.43		1.460	1.700	2.098	2.740	2.784	2.939	4.268	67.127	0.094
454.45	68.65	59.00	47.79	36.61													

461.54	67.25	58.54	46.46	36.30	36.14	34.42	23.89	1.487	1.708	2.152	2.755	2.767	2.905	4.185	67.017	0.093
461.75	67.22	58.53	46.43	36.29	36.14	34.43	23.90	1.488	1.709	2.154	2.755	2.767	2.904	4.184	67.022	0.093
461.95	67.19	58.51	46.40	36.29	36.14	34.44	23.92	1.488	1.709	2.155	2.756	2.767	2.904	4.181	67.020	0.093
462.15	67.18	58.52	46.38	36.29	36.16	34.46	23.93	1.488	1.709	2.156	2.755	2.766	2.902	4.178	66.997	0.093
462.35	67.18	58.53	46.36	36.30	36.17	34.48	23.95	1.489	1.709	2.157	2.755	2.765	2.900	4.176	66.982	0.093
462.56	67.18	58.55	46.36	36.31	36.18	34.50	23.97	1.488	1.708	2.157	2.754	2.764	2.898	4.172	66.951	0.093
462.76	67.18	58.56	46.34	36.31	36.20	34.52	23.98	1.489	1.708	2.158	2.754	2.763	2.897	4.169	66.932	0.093
462.96	67.19	58.58	46.34	36.32	36.21	34.55	24.01	1.488	1.707	2.158	2.753	2.761	2.895	4.166	66.898	0.093
463.16	67.20	58.60	46.34	36.34	36.23	34.57	24.03	1.488	1.707	2.158	2.752	2.760	2.893	4.162	66.866	0.093
463.36	67.21	58.62	46.34	36.35	36.26	34.60	24.05	1.488	1.706	2.158	2.751	2.758	2.890	4.158	66.827	0.093
463.57	67.23	58.65	46.35	36.37	36.28	34.64	24.07	1.488	1.705	2.157	2.749	2.756	2.887	4.154	66.778	0.093
463.77	67.25	58.69	46.36	36.39	36.32	34.66	24.10	1.487	1.704	2.157	2.748	2.754	2.885	4.149	66.731	0.093
463.97	67.26	58.72	46.37	36.42	36.34	34.69	24.13	1.487	1.703	2.157	2.746	2.752	2.882	4.145	66.685	0.093
464.17	67.30	58.75	46.39	36.44	36.37	34.73	24.16	1.486	1.702	2.156	2.744	2.749	2.879	4.139	66.625	0.093
464.38	67.33	58.80	46.41	36.48	36.41	34.78	24.19	1.485	1.701	2.155	2.742	2.746	2.876	4.134	66.558	0.093
464.58	67.37	58.84	46.43	36.51	36.45	34.81	24.22	1.484	1.700	2.154	2.739	2.744	2.872	4.129	66.496	0.093
464.78	67.40	58.88	46.45	36.54	36.48	34.85	24.25	1.484	1.698	2.153	2.737	2.741	2.869	4.124	66.434	0.093
464.98	67.44	58.92	46.48	36.57	36.53	34.89	24.28	1.483	1.697	2.151	2.735	2.738	2.866	4.118	66.368	0.092
465.19	67.48	58.97	46.51	36.60	36.57	34.93	24.32	1.482	1.696	2.150	2.732	2.735	2.862	4.112	66.296	0.092
465.39	67.53	59.01	46.54	36.64	36.61	34.98	24.35	1.481	1.695	2.148	2.729	2.732	2.859	4.106	66.226	0.092
465.59	67.56	59.06	46.57	36.68	36.64	35.01	24.38	1.480	1.693	2.147	2.727	2.729	2.856	4.101	66.161	0.092
465.79	67.60	59.10	46.60	36.70	36.68	35.05	24.41	1.479	1.692	2.146	2.724	2.726	2.853	4.096	66.099	0.092
465.99	67.65	59.15	46.64	36.75	36.72	35.10	24.45	1.478	1.691	2.144	2.721	2.724	2.849	4.090	66.023	0.092
466.2	67.70	59.20	46.67	36.78	36.76	35.14	24.48	1.477	1.689	2.143	2.719	2.721	2.846	4.084	65.953	0.092
466.4	67.76	59.26	46.72	36.83	36.81	35.19	24.53	1.476	1.687	2.140	2.716	2.717	2.842	4.077	65.862	0.092
466.6	67.80	59.32	46.76	36.87	36.86	35.23	24.57	1.475	1.686	2.138	2.713	2.713	2.838	4.071	65.781	0.092
466.8	67.85	59.37	46.80	36.90	36.90	35.27	24.60	1.474	1.684	2.137	2.710	2.710	2.835	4.065	65.711	0.092
467.01	67.90	59.43	46.85	36.95	36.94	35.32	24.64	1.473	1.683	2.135	2.706	2.707	2.831	4.058	65.623	0.091
467.21	67.95	59.49	46.89	37.00	36.99	35.37	24.68	1.472	1.681	2.133	2.703	2.703	2.827	4.051	65.537	0.091
467.41	68.01	59.55	46.94	37.05	37.04	35.42	24.72	1.470	1.679	2.130	2.699	2.700	2.823	4.045	65.448	0.091
467.61	68.07	59.61	46.99	37.09	37.09	35.47	24.76	1.469	1.678	2.128	2.696	2.696	2.820	4.039	65.368	0.091
467.81	68.12	59.66	47.04	37.13	37.14	35.52	24.80	1.468	1.676	2.126	2.693	2.693	2.816	4.032	65.283	0.091
468.02	68.16	59.71	47.08	37.18	37.18	35.56	24.83	1.467	1.675	2.124	2.690	2.690	2.812	4.027	65.207	0.091
468.22	68.22	59.77	47.13	37.22	37.23	35.61	24.87	1.466	1.673	2.122	2.687	2.686	2.808	4.021	65.123	0.091
468.42	68.27	59.82	47.18	37.27	37.28	35.66	24.90	1.465	1.672	2.120	2.683	2.683	2.805	4.016	65.044	0.091
468.62	68.31	59.86	47.22	37.30	37.31	35.70	24.93	1.464	1.671	2.118	2.681	2.680	2.801	4.011	64.981	0.091
468.82	68.36	59.91	47.27	37.34	37.35	35.74	24.97	1.463	1.669	2.115	2.678	2.677	2.798	4.005	64.902	0.090
469.03	68.40	59.95	47.32	37.38	37.39	35.79	25.01	1.462	1.668	2.113	2.675	2.674	2.794	3.998	64.823	0.090
469.23	68.44	60.01	47.37	37.42	37.44	35.83	25.05	1.461	1.666	2.111	2.672	2.671	2.791	3.992	64.744	0.090
469.43	68.48	60.05	47.41	37.46	37.47	35.87	25.08	1.460	1.665	2.109	2.670	2.669	2.788	3.987	64.679	0.090
469.63	68.52	60.09	47.45	37.50	37.51	35.92	25.11	1.460	1.664	2.108	2.667	2.666	2.784	3.982	64.610	0.090
469.83	68.56	60.12	47.49	37.54	37.54	35.96	25.15	1.459	1.663	2.105	2.664	2.664	2.781	3.977	64.541	0.090
470.04	68.59	60.15	47.53	37.58	37.58	35.99	25.18	1.458	1.662	2.104	2.661	2.661	2.778	3.971	64.477	0.090
470.24	68.62	60.19	47.56	37.61	37.62	36.03	25.21	1.457	1.661	2.102	2.659	2.658	2.775	3.965	64.414	0.090
470.44	68.64	60.22	47.61	37.66	37.67	36.07	25.24	1.457	1.661	2.100	2.656	2.655	2.772	3.961	64.340	0.090
470.64	68.67	60.25	47.64	37.68	37.69	36.11	25.27	1.456	1.660	2.099	2.654	2.653	2.769	3.957	64.288	0.090
470.84	68.69	60.28	47.68	37.72	37.72	36.14	25.30	1.456	1.659	2.097	2.651	2.651	2.767	3.953	64.232	0.090
471.05	68.73	60.32	47.73	37.76	37.76	36.18	25.34	1.455	1.658	2.095	2.648	2.648	2.764	3.947	64.159	0.089
471.25	68.76	60.35	47.77	37.79	37.80	36.22	25.37	1.454	1.657	2.093	2.646	2.645	2.761	3.942	64.094	0.089
471.45	68.77	60.36	47.79	37.81	37.82	36.25	25.39	1.454	1.657	2.093	2.645	2.644	2.759	3.939	64.059	0.089
471.65	68.77	60.37	47.81	37.83	37.83	36.27	25.41	1.454	1.656	2.092	2.644	2.643	2.757	3.936	64.028	0.089
471.85	68.79	60.40	47.84	37.87	37.86	36.30	25.44	1.454	1.656	2.090	2.641	2.641	2.755	3.931	63.969	0.089
472.06	68.81	60.43	47.87	37.89	37.89	36.33	25.47	1.453	1.655	2.089	2.639	2.640	2.753	3.927	63.922	0.089
472.26	68.82	60.45	47.90	37.92	37.91	36.35	25.49	1.453	1.654	2.088	2.637	2.638	2.751	3.922	63.874	0.089
472.46	68.84	60.48	47.93	37.95	37.94	36.39	25.52	1.453	1.653	2.086	2.635	2.636	2.748	3.918	63.817	0.089
472.66	68.84	60.49	47.95	37.98	37.97	36.42	25.55	1.453	1.653	2.085	2.633	2.634	2.746	3.913	63.769	0.089
472.86	68.87	60.53	47.98	38.01	38.00	36.44	25.58	1.452	1.652	2.084	2.631	2.631	2.744	3.909	63.719	0.089
473.06	68.87	60.55	48.00	38.04	38.02	36.47	25.60	1.452	1.652	2.083	2.629	2.630	2.742	3.906	63.678	0.089
473.27	68.88	60.56	48.01	38.06	38.04	36.48	25.62	1.452	1.651	2.083	2.627	2.628	2.741	3.903	63.646	0.089
473.47	68.89	60.57	48.03	38.08	38.06	36.51	25.64	1.452	1.651	2.082	2.626	2.627	2.739	3.900	63.611	0.089
473.67	68.89	60.59	48.05	38.11	38.09	36.53	25.66	1.452	1.651	2.081	2.624	2.626	2.738	3.897	63.573	0.089
473.87	68.90	60.60	48.06	38.12	38.11	36.56	25.69	1.451	1.650	2.081	2.623	2.624	2.736	3.893	63.534	0.089
474.07	68.91	60.64	48.08	38.15	38.14	36.59	25.71	1.451	1.649	2.080	2.621	2.622	2.733	3.889	63.483	0.088
474.28	68.92	60.66	48.11	38.17	38.17	36.61	25.74	1.451	1.648	2.079	2.620	2.620	2.731	3.885	63.436	0.088
474.48	68.93	60.68	48.12	38.19	38.19	36.64	25.77	1.451	1.648	2.078	2.618	2.619	2.729	3.881	63.399	0.088
474.68	68.93	60.70	48.13	38.21	38.20	36.66	25.78	1.451	1.647	2.078	2.617	2.618	2.728	3.878	63.372	0.088
474.88	68.93	60.72	48.14	38.23	38.21	36.68	25.80	1.451	1.647	2.077	2.616	2.617	2.726	3.875	63.341	0.088
475.08	68.95	60.74	48.16	38.26	38.24	36.71	25.83	1.450	1.646	2.076	2.614	2.615	2.724	3.871	63.294	0.088
475.28	68.95	60.75	48.17	38.27	38.27	36.73	25.86	1.450	1.646	2.076	2.613	2.613	2.722	3.867	63.255	0.088
475.49	68.95	60.77	48.17	38.29	38.29	36.75	25.88	1.450	1.646	2.076	2.612	2.612	2.721	3		

482.33	69.68	61.75	48.93	39.30	39.35	37.93	26.88		1.435	1.619	2.044	2.545	2.541	2.637	3.720	61.441	0.086
482.53	69.71	61.79	48.97	39.34	39.39	37.95	26.91		1.435	1.618	2.042	2.542	2.539	2.635	3.716	61.384	0.086
482.74	69.73	61.83	49.00	39.37	39.43	37.98	26.93		1.434	1.617	2.041	2.540	2.536	2.633	3.713	61.333	0.085
482.94	69.75	61.87	49.04	39.39	39.46	38.01	26.96		1.434	1.616	2.039	2.539	2.534	2.631	3.709	61.282	0.085
483.14	69.79	61.91	49.08	39.42	39.50	38.05	26.99		1.433	1.615	2.037	2.537	2.532	2.628	3.705	61.221	0.085
483.34	69.83	61.97	49.13	39.47	39.55	38.09	27.03		1.432	1.614	2.035	2.534	2.528	2.625	3.699	61.140	0.085
483.54	69.87	62.00	49.16	39.50	39.60	38.14	27.07		1.431	1.613	2.034	2.532	2.526	2.622	3.695	61.074	0.085
483.74	69.89	62.02	49.19	39.54	39.63	38.17	27.10		1.431	1.612	2.033	2.529	2.523	2.620	3.690	61.021	0.085
483.94	69.90	62.04	49.22	39.56	39.66	38.19	27.12		1.431	1.612	2.032	2.528	2.522	2.619	3.687	60.984	0.085
484.14	69.94	62.09	49.26	39.60	39.70	38.24	27.15		1.430	1.611	2.030	2.525	2.519	2.615	3.683	60.916	0.085
484.35	69.94	62.11	49.28	39.62	39.73	38.27	27.18		1.430	1.610	2.029	2.524	2.517	2.613	3.679	60.866	0.085
484.55	69.97	62.15	49.30	39.66	39.76	38.31	27.20		1.429	1.609	2.028	2.522	2.515	2.610	3.676	60.816	0.085
484.75	70.00	62.19	49.33	39.69	39.80	38.35	27.23		1.429	1.608	2.027	2.520	2.513	2.608	3.673	60.761	0.085
484.95	70.06	62.24	49.40	39.73	39.81	38.39	27.26		1.427	1.607	2.024	2.517	2.511	2.605	3.668	60.689	0.085
485.15	70.09	62.27	49.44	39.76	39.86	38.42	27.30		1.427	1.606	2.023	2.515	2.509	2.603	3.663	60.633	0.084
485.35	70.12	62.28	49.48	39.78	39.90	38.46	27.32		1.426	1.606	2.021	2.514	2.506	2.600	3.660	60.583	0.084
485.55	70.16	62.31	49.52	39.82	39.93	38.49	27.34		1.425	1.605	2.019	2.511	2.504	2.598	3.657	60.528	0.084
485.75	70.17	62.34	49.56	39.84	39.96	38.51	27.37		1.425	1.604	2.018	2.510	2.503	2.596	3.654	60.483	0.084
485.95	70.21	62.37	49.60	39.87	39.98	38.54	27.40		1.424	1.603	2.016	2.508	2.501	2.594	3.649	60.430	0.084
486.15	70.23	62.38	49.61	39.89	39.98	38.57	27.42		1.424	1.603	2.016	2.507	2.501	2.593	3.647	60.406	0.084
486.36	70.22	62.39	49.63	39.91	40.01	38.59	27.44		1.424	1.603	2.015	2.506	2.500	2.591	3.644	60.371	0.084
486.56	70.24	62.41	49.65	39.94	40.01	38.62	27.46		1.424	1.602	2.014	2.504	2.499	2.590	3.642	60.338	0.084
486.76	70.24	62.42	49.68	39.96	40.03	38.64	27.47		1.424	1.602	2.013	2.503	2.498	2.588	3.640	60.305	0.084
486.96	70.27	62.42	49.68	39.97	40.04	38.66	27.48		1.423	1.602	2.013	2.502	2.497	2.587	3.638	60.286	0.084
487.16	70.30	62.44	49.71	40.00	40.08	38.69	27.51		1.422	1.602	2.012	2.500	2.495	2.585	3.635	60.236	0.084
487.36	70.32	62.44	49.73	40.02	40.10	38.72	27.54		1.422	1.601	2.011	2.499	2.494	2.583	3.631	60.200	0.084
487.56	70.30	62.44	49.73	40.03	40.11	38.73	27.54		1.423	1.602	2.011	2.498	2.493	2.582	3.631	60.186	0.084
487.76	70.31	62.45	49.75	40.06	40.11	38.76	27.56		1.422	1.601	2.010	2.496	2.493	2.580	3.628	60.155	0.084
487.96	70.33	62.49	49.78	40.08	40.13	38.78	27.58		1.422	1.600	2.009	2.495	2.492	2.578	3.625	60.114	0.084
488.16	70.36	62.51	49.81	40.12	40.15	38.81	27.60		1.421	1.600	2.008	2.493	2.491	2.577	3.623	60.076	0.084
488.36	70.36	62.53	49.83	40.14	40.16	38.82	27.62		1.421	1.599	2.007	2.492	2.490	2.576	3.621	60.051	0.084
488.57	70.38	62.53	49.84	40.16	40.15	38.83	27.62		1.421	1.599	2.006	2.490	2.491	2.575	3.621	60.039	0.084
488.77	70.40	62.55	49.87	40.17	40.19	38.85	27.64		1.420	1.599	2.005	2.489	2.488	2.574	3.618	59.998	0.084
488.97	70.40	62.54	49.89	40.19	40.21	38.87	27.65		1.420	1.598	2.005	2.488	2.487	2.573	3.616	59.972	0.084
489.17	70.41	62.55	49.88	40.19	40.22	38.88	27.66		1.420	1.598	2.005	2.488	2.486	2.572	3.615	59.962	0.084
489.37	70.39	62.56	49.88	40.22	40.24	38.91	27.69		1.421	1.598	2.005	2.486	2.485	2.570	3.612	59.926	0.084
489.57	70.39	62.57	49.89	40.23	40.24	38.91	27.71		1.421	1.598	2.005	2.486	2.485	2.570	3.612	59.911	0.083
489.77	70.38	62.56	49.88	40.23	40.23	38.91	27.73		1.421	1.599	2.005	2.486	2.485	2.570	3.607	59.908	0.083
489.97	70.38	62.55	49.86	40.25	40.23	38.91	27.73		1.421	1.599	2.006	2.485	2.486	2.570	3.607	59.905	0.083
490.17	70.37	62.56	49.85	40.25	40.24	38.93	27.74		1.421	1.599	2.006	2.484	2.485	2.569	3.605	59.891	0.083
490.37	70.38	62.60	49.88	40.29	40.29	38.96	27.77		1.421	1.598	2.005	2.482	2.482	2.567	3.601	59.832	0.083
490.57	70.41	62.62	49.90	40.32	40.31	38.97	27.80		1.420	1.597	2.004	2.480	2.481	2.566	3.598	59.798	0.083
490.77	70.39	62.61	49.90	40.31	40.30	38.95	27.80		1.421	1.597	2.004	2.481	2.482	2.567	3.597	59.808	0.083
490.97	70.41	62.61	49.92	40.32	40.30	38.97	27.81		1.420	1.597	2.003	2.480	2.482	2.566	3.596	59.788	0.083
491.18	70.40	62.62	49.94	40.34	40.29	38.98	27.83		1.420	1.597	2.003	2.479	2.482	2.565	3.593	59.768	0.083
491.38	70.36	62.60	49.91	40.32	40.26	38.96	27.82		1.421	1.597	2.004	2.480	2.484	2.567	3.594	59.802	0.083
491.58	70.34	62.59	49.91	40.33	40.27	38.95	27.83		1.422	1.598	2.004	2.479	2.483	2.567	3.593	59.800	0.083
491.78	70.31	62.57	49.89	40.32	40.23	38.94	27.83		1.422	1.598	2.005	2.480	2.486	2.568	3.593	59.826	0.083
491.98	70.30	62.57	49.89	40.32	40.23	38.94	27.84		1.423	1.598	2.004	2.480	2.486	2.568	3.591	59.815	0.083
492.18	70.26	62.51	49.86	40.30	40.21	38.92	27.84		1.423	1.600	2.006	2.482	2.487	2.569	3.592	59.850	0.083
492.38	70.22	62.51	49.85	40.29	40.22	38.91	27.84		1.424	1.600	2.006	2.482	2.487	2.570	3.591	59.854	0.083
492.58	70.20	62.50	49.84	40.28	40.22	38.91	27.84		1.425	1.600	2.006	2.483	2.486	2.570	3.592	59.861	0.083
492.78	70.16	62.47	49.82	40.26	40.23	38.90	27.86		1.425	1.601	2.007	2.484	2.486	2.571	3.589	59.867	0.083
492.98	70.12	62.45	49.79	40.24	40.19	38.89	27.86		1.426	1.601	2.008	2.485	2.488	2.571	3.590	59.899	0.083
493.18	70.11	62.46	49.78	40.24	40.19	38.87	27.87		1.426	1.601	2.009	2.485	2.488	2.572	3.588	59.899	0.083
493.38	70.03	62.42	49.74	40.23	40.17	38.83	27.85		1.428	1.602	2.010	2.486	2.489	2.575	3.591	59.944	0.084
493.58	70.01	62.39	49.72	40.21	40.16	38.82	27.83		1.428	1.603	2.011	2.487	2.490	2.576	3.594	59.976	0.084
493.78	69.98	62.38	49.71	40.21	40.16	38.82	27.82		1.429	1.603	2.012	2.487	2.490	2.576	3.594	59.984	0.084
493.98	69.95	62.37	49.69	40.20	40.17	38.81	27.84		1.430	1.603	2.012	2.487	2.490	2.577	3.593	59.986	0.084
494.18	69.94	62.36	49.69	40.20	40.15	38.82	27.84		1.430	1.604	2.013	2.488	2.491	2.576	3.593	59.991	0.084
494.38	69.89	62.32	49.67	40.18	40.14	38.80	27.82		1.431	1.605	2.013	2.489	2.491	2.577	3.594	60.020	0.084
494.59	69.84	62.28	49.64	40.13	40.11	38.76	27.81		1.432	1.606	2.015	2.492	2.493	2.580	3.596	60.075	0.084
494.79	69.77	62.25	49.60	40.10	40.10	38.73	27.80		1.433	1.606	2.016	2.493	2.493	2.582	3.598	60.110	0.084
494.99	69.73	62.25	49.61	40.12	40.12	38.75	27.79		1.434	1.606	2.016	2.493	2.493	2.581	3.598	60.101	0.084
495.19	69.69	62.24	49.57	40.11	40.13	38.73	27.77		1.435	1.607	2.017	2.493	2.492	2.582	3.601	60.126	0.084
495.39	69.63	62.20	49.53	40.05	40.11	38.72	27.74		1.436	1.608	2.019	2.497	2.493	2.583	3.605	60.179	0.084
495.59	69.63	62.22	49.52	40.09	40.12	38.75	27.73		1.436	1.607	2.019	2.495	2.492	2.581	3.607	60.165	0.084
495.79	69.60	62.21	49.48	40.05	40.08	38.71	27.71		1.437	1.608	2.021	2.497	2.495	2.583	3.609	60.221	0.084
495.99	69.60	62.21	49.51	40													

502.99	68.68	61.57	49.03	39.78	39.80	38.56	27.53		1.456	1.624	2.040	2.514	2.512	2.594	3.632	60.707	0.085
503.19	68.61	61.57	48.97	39.71	39.78	38.55	27.51		1.458	1.624	2.042	2.518	2.514	2.594	3.635	60.763	0.085
503.39	68.47	61.49	48.91	39.64	39.72	38.52	27.49		1.461	1.626	2.044	2.523	2.517	2.596	3.638	60.844	0.085
503.59	68.35	61.42	48.87	39.58	39.64	38.45	27.40		1.463	1.628	2.046	2.527	2.523	2.601	3.649	60.973	0.085
503.79	68.26	61.36	48.85	39.61	39.56	38.44	27.43		1.465	1.630	2.047	2.525	2.528	2.601	3.646	60.992	0.085
503.99	68.23	61.36	48.88	39.64	39.58	38.47	27.50		1.466	1.630	2.046	2.523	2.527	2.599	3.636	60.929	0.085
504.19	68.21	61.38	48.85	39.68	39.60	38.50	27.50		1.466	1.629	2.047	2.520	2.525	2.598	3.636	60.906	0.085
504.39	68.29	61.33	48.91	39.72	39.65	38.53	27.54		1.464	1.630	2.045	2.517	2.522	2.595	3.631	60.839	0.085
504.59	68.33	61.40	48.97	39.76	39.65	38.57	27.58		1.464	1.629	2.042	2.515	2.522	2.593	3.626	60.781	0.085
504.79	68.33	61.37	48.95	39.81	39.62	38.54	27.53		1.464	1.630	2.043	2.512	2.524	2.594	3.632	60.813	0.085
504.99	68.24	61.32	48.93	39.78	39.60	38.50	27.53		1.465	1.631	2.044	2.514	2.525	2.598	3.633	60.858	0.085
505.19	68.24	61.31	48.87	39.79	39.61	38.48	27.57		1.465	1.631	2.046	2.513	2.525	2.599	3.627	60.849	0.085
505.39	68.36	61.30	48.96	39.74	39.57	38.43	27.58		1.465	1.631	2.047	2.516	2.527	2.602	3.626	60.883	0.085
505.59	68.16	61.22	48.82	39.65	39.53	38.34	27.54		1.467	1.633	2.048	2.522	2.530	2.608	3.632	60.991	0.085
505.79	68.12	61.18	48.79	39.65	39.53	38.32	27.54		1.468	1.634	2.050	2.522	2.530	2.610	3.631	61.008	0.085
505.99	68.03	61.10	48.74	39.58	39.43	38.25	27.51		1.470	1.637	2.052	2.527	2.536	2.614	3.635	61.116	0.085
506.19	68.03	61.13	48.80	39.59	39.45	38.28	27.56		1.470	1.636	2.049	2.526	2.535	2.612	3.629	61.058	0.085
506.39	68.01	61.12	48.87	39.60	39.46	38.31	27.58		1.470	1.636	2.046	2.525	2.534	2.610	3.625	61.021	0.085
506.59	68.01	61.12	48.89	39.60	39.45	38.28	27.59		1.470	1.636	2.045	2.525	2.535	2.613	3.625	61.028	0.085
506.79	68.04	61.12	48.94	39.66	39.49	38.33	27.68		1.470	1.636	2.043	2.521	2.532	2.609	3.612	60.926	0.085
506.99	67.94	61.07	48.82	39.54	39.35	38.25	27.55		1.472	1.637	2.048	2.529	2.541	2.615	3.630	61.124	0.085
507.19	67.90	61.06	48.83	39.54	39.34	38.26	27.54		1.473	1.638	2.048	2.529	2.542	2.614	3.632	61.133	0.085
507.39	67.90	60.95	48.83	39.57	39.35	38.22	27.56		1.473	1.641	2.048	2.527	2.541	2.616	3.629	61.135	0.085
507.59	67.91	60.88	48.81	39.54	39.29	38.16	27.52		1.473	1.643	2.049	2.529	2.545	2.621	3.634	61.211	0.085
507.79	67.98	60.89	48.82	39.60	39.34	38.24	27.58		1.471	1.642	2.048	2.525	2.542	2.615	3.626	61.115	0.085
507.99	68.05	60.97	48.85	39.64	39.31	38.27	27.59		1.470	1.640	2.047	2.523	2.544	2.613	3.624	61.080	0.085
508.19	67.93	60.84	48.69	39.49	39.18	38.17	27.47		1.472	1.644	2.054	2.533	2.552	2.620	3.640	61.301	0.085
508.39	67.82	60.72	48.64	39.43	39.13	38.16	27.46		1.474	1.647	2.056	2.536	2.555	2.620	3.642	61.362	0.086
508.59	67.68	60.68	48.61	39.39	39.06	38.05	27.37		1.478	1.648	2.057	2.539	2.560	2.628	3.654	61.498	0.086
508.79	67.59	60.61	48.52	39.34	39.03	38.03	27.34		1.480	1.650	2.061	2.542	2.562	2.630	3.658	61.573	0.086
508.99	67.59	60.63	48.55	39.31	39.07	38.02	27.36		1.480	1.649	2.060	2.544	2.560	2.630	3.655	61.554	0.086
509.19	67.49	60.49	48.43	39.25	38.99	37.91	27.23		1.482	1.653	2.065	2.548	2.565	2.638	3.672	61.734	0.086
509.39	67.42	60.37	48.40	39.16	38.96	37.91	27.16		1.483	1.656	2.066	2.554	2.566	2.638	3.682	61.826	0.086
509.58	67.33	60.30	48.39	39.15	38.97	37.94	27.15		1.485	1.658	2.066	2.554	2.566	2.636	3.683	61.836	0.086
509.78	67.37	60.27	48.39	39.12	38.91	37.94	27.14		1.484	1.659	2.067	2.556	2.570	2.636	3.685	61.872	0.086
509.98	67.23	60.17	48.30	39.05	38.83	37.91	27.04		1.487	1.662	2.070	2.561	2.576	2.638	3.698	62.007	0.086
510.18	67.23	60.17	48.32	39.08	38.83	37.95	27.05		1.487	1.662	2.069	2.559	2.575	2.635	3.696	61.976	0.086
510.38	67.31	60.17	48.37	39.12	38.86	37.96	27.01		1.486	1.662	2.067	2.556	2.573	2.634	3.703	61.963	0.086
510.58	67.18	60.11	48.23	39.10	38.76	37.92	26.93		1.488	1.664	2.074	2.558	2.580	2.637	3.714	62.092	0.087
510.78	67.11	60.09	48.18	39.08	38.73	37.95	26.93		1.490	1.664	2.075	2.559	2.582	2.635	3.714	62.115	0.087
510.98	66.98	59.96	48.08	38.98	38.68	37.86	26.82		1.493	1.668	2.080	2.566	2.585	2.641	3.728	62.277	0.087
511.18	66.95	59.86	48.06	38.93	38.66	37.85	26.76		1.494	1.671	2.081	2.569	2.586	2.642	3.737	62.347	0.087
511.38	66.89	59.75	47.96	38.89	38.67	37.80	26.74		1.495	1.674	2.085	2.571	2.586	2.646	3.739	62.415	0.087
511.58	66.72	59.70	47.88	38.79	38.59	37.72	26.63		1.499	1.675	2.088	2.578	2.591	2.651	3.755	62.580	0.087
511.78	66.69	59.72	47.89	38.79	38.65	37.78	26.64		1.499	1.675	2.088	2.578	2.587	2.647	3.754	62.540	0.087
511.98	66.55	59.64	47.85	38.74	38.60	37.66	26.62		1.503	1.677	2.090	2.581	2.591	2.656	3.757	62.641	0.087
512.18	66.38	59.47	47.72	38.66	38.61	37.55	26.60		1.506	1.682	2.096	2.586	2.590	2.663	3.759	62.753	0.087
512.38	66.44	59.50	47.86	38.77	38.70	37.67	26.72		1.505	1.681	2.090	2.579	2.584	2.655	3.743	62.570	0.087
512.58	66.47	59.46	47.85	38.74	38.68	37.60	26.65		1.505	1.682	2.090	2.581	2.585	2.659	3.753	62.646	0.087
512.78	66.47	59.43	47.77	38.70	38.64	37.59	26.65		1.504	1.683	2.093	2.584	2.588	2.660	3.752	62.684	0.087
512.97	66.37	59.37	47.76	38.76	38.57	37.57	26.67		1.507	1.684	2.094	2.580	2.593	2.661	3.750	62.702	0.087
513.17	66.14	59.21	47.60	38.57	38.40	37.48	26.55		1.512	1.689	2.101	2.592	2.604	2.668	3.767	62.956	0.088
513.37	66.19	59.29	47.63	38.53	38.37	37.50	26.56		1.511	1.687	2.100	2.595	2.606	2.667	3.766	62.949	0.088
513.57	66.11	59.24	47.60	38.50	38.23	37.47	26.51		1.513	1.688	2.101	2.597	2.616	2.669	3.773	63.055	0.088
513.77	65.97	59.15	47.48	38.48	38.16	37.40	26.41		1.516	1.691	2.106	2.599	2.621	2.674	3.787	63.193	0.088
513.97	65.87	59.16	47.47	38.51	38.09	37.34	26.38		1.518	1.690	2.107	2.597	2.625	2.678	3.791	63.248	0.088
514.17	65.89	59.13	47.53	38.46	38.09	37.29	26.35		1.518	1.691	2.104	2.600	2.625	2.682	3.795	63.285	0.088
514.37	65.73	58.99	47.44	38.40	38.07	37.22	26.33		1.521	1.695	2.108	2.604	2.627	2.687	3.797	63.382	0.088
514.57	65.54	58.90	47.32	38.32	37.97	37.17	26.40		1.526	1.698	2.113	2.610	2.634	2.690	3.788	63.459	0.088
514.77	65.60	58.86	47.36	38.35	38.00	37.19	26.48		1.524	1.699	2.111	2.608	2.632	2.689	3.776	63.382	0.088
514.97	65.45	58.61	47.19	38.25	37.91	37.02	26.31		1.528	1.706	2.119	2.614	2.638	2.701	3.802	63.654	0.089
515.17	65.26	58.50	47.10	38.11	37.81	36.98	26.15		1.532	1.709	2.123	2.624	2.645	2.711	3.824	63.894	0.089
515.37	65.16	58.38	47.02	37.98	37.74	36.77	26.15		1.535	1.713	2.127	2.633	2.649	2.720	3.824	64.018	0.089
515.56	65.12	58.34	47.05	37.94	37.85	36.87	26.11		1.536	1.714	2.125	2.636	2.656	2.713	3.829	64.046	0.089
515.76	65.05	58.20	47.01	37.91	37.81	36.93	26.09		1.537	1.718	2.127	2.638	2.659	2.708	3.832	64.085	0.089
515.96	64.97	58.08	46.94	37.96	37.52	36.88	26.04		1.539	1.722	2.130	2.635	2.665	2.712	3.840	64.176	0.089
516.16	64.82	57.98	46.78	37.88	37.37	36.86	25.92		1.543	1.725	2.137	2.640	2.676	2.713	3.858	64.361	0.090
516.36	64.76	57.88	46.76	37.76	37.25	36.79	25.80		1.544	1.728	2.138	2.648	2.685	2.718	3.876	64.540	0.090
516.56	64.68	57.74	46.64	37													

523.52	61.00	54.15	43.83	34.92	34.60	34.21	23.79		1.639	1.847	2.281	2.864	2.890	2.923	4.204	69.458	0.097
523.72	60.80	53.95	43.73	34.84	34.47	34.18	23.61		1.645	1.854	2.287	2.870	2.901	2.926	4.235	69.694	0.097
523.92	60.62	53.97	43.82	35.04	34.67	34.33	23.82		1.650	1.853	2.282	2.854	2.885	2.913	4.198	69.388	0.097
524.12	60.44	53.83	43.71	34.80	34.42	34.08	23.58		1.655	1.858	2.288	2.874	2.905	2.935	4.241	69.826	0.097
524.31	60.20	53.49	43.59	34.58	34.15	33.86	23.43		1.661	1.870	2.294	2.892	2.928	2.954	4.269	70.233	0.098
524.51	59.94	53.14	43.50	34.55	34.10	33.93	23.59		1.668	1.882	2.299	2.895	2.933	2.947	4.238	70.208	0.098
524.71	59.66	52.87	43.21	34.40	33.96	33.77	23.28		1.676	1.891	2.314	2.907	2.944	2.961	4.296	70.654	0.098
524.91	59.52	52.71	43.10	34.39	33.81	33.65	23.25		1.680	1.897	2.320	2.908	2.958	2.972	4.300	70.816	0.099
525.11	59.28	52.55	43.08	34.12	33.47	33.45	23.12		1.687	1.903	2.321	2.931	2.988	2.989	4.324	71.208	0.099
525.31	59.23	52.64	43.12	34.14	33.69	33.60	23.38		1.688	1.900	2.319	2.929	2.969	2.976	4.276	70.900	0.099
525.51	59.21	52.68	43.15	34.13	33.68	33.47	23.63		1.689	1.898	2.318	2.930	2.969	2.988	4.321	70.794	0.099
525.7	59.32	52.93	43.19	34.04	33.61	33.45	23.62		1.686	1.889	2.316	2.938	2.975	2.990	4.234	70.815	0.099
525.9	59.12	52.73	42.81	33.86	33.52	33.32	23.27		1.692	1.897	2.336	2.954	2.983	3.001	4.297	71.274	0.099
526.1	59.01	52.76	42.80	33.66	33.51	33.01	23.18		1.695	1.895	2.337	2.971	2.984	3.029	4.314	71.515	0.100
526.3	58.57	52.41	42.48	33.46	33.27	32.73	22.85		1.707	1.908	2.354	2.988	3.006	3.055	4.377	72.101	0.100
526.5	58.56	52.45	42.48	33.26	33.36	32.79	22.89		1.708	1.907	2.354	3.007	2.997	3.049	4.369	72.082	0.100
526.7	58.62	52.36	42.39	33.22	33.45	32.86	23.00		1.706	1.910	2.359	3.011	2.990	3.044	4.348	71.997	0.100
526.89	58.42	52.19	42.41	33.24	33.50	32.95	23.12		1.712	1.916	2.358	3.008	2.985	3.035	4.325	71.893	0.100
527.09	58.24	52.22	42.60	33.22	33.50	32.91	23.10		1.717	1.915	2.348	3.011	2.985	3.038	4.329	71.900	0.100
527.29	58.15	52.19	42.45	33.16	33.37	32.76	23.04		1.720	1.916	2.356	3.015	2.996	3.052	4.340	72.092	0.100
527.49	58.13	52.39	42.49	33.49	33.40	32.92	23.11		1.720	1.909	2.353	2.986	2.994	3.038	4.327	71.849	0.100
527.69	57.95	52.17	42.15	33.49	33.35	32.92	23.13		1.726	1.917	2.373	2.986	2.999	3.038	4.324	71.965	0.100
527.89	57.86	52.15	42.13	33.58	33.27	32.85	23.10		1.728	1.918	2.373	2.978	3.006	3.044	4.329	72.018	0.100
528.08	57.80	52.02	41.86	33.07	32.82	32.48	22.78		1.730	1.923	2.389	3.024	3.046	3.079	4.389	72.745	0.101
528.28	57.70	51.96	41.64	32.88	32.82	32.55	22.64		1.733	1.925	2.402	3.041	3.047	3.072	4.417	72.928	0.102
528.48	57.35	51.72	41.40	32.36	32.49	32.31	22.38		1.744	1.934	2.415	3.091	3.078	3.095	4.468	73.564	0.103
528.68	57.18	51.64	41.12	32.20	32.14	32.00	21.90		1.749	1.936	2.432	3.106	3.111	3.125	4.567	74.244	0.103
528.88	57.40	51.77	41.20	32.21	31.95	32.09	22.08		1.742	1.931	2.427	3.105	3.130	3.116	4.528	74.104	0.103
529.08	57.37	51.82	40.93	32.09	31.99	32.16	22.09		1.743	1.930	2.443	3.116	3.126	3.110	4.527	74.153	0.103
529.27	57.34	51.83	40.54	32.08	31.83	32.10	22.02		1.744	1.930	2.467	3.117	3.142	3.115	4.541	74.358	0.104
529.47	57.10	51.46	40.12	31.78	31.49	31.63	21.48		1.751	1.943	2.492	3.146	3.176	3.161	4.656	75.266	0.105
529.67	57.11	51.31	39.94	31.55	31.28	31.23	21.11		1.751	1.949	2.504	3.170	3.197	3.202	4.737	75.877	0.106
529.87	57.00	50.97	39.70	31.17	31.15	31.25	20.78		1.754	1.962	2.519	3.208	3.211	3.200	4.811	76.365	0.106
530.07	56.77	50.90	39.49	31.01	30.92	30.99	20.96		1.762	1.965	2.532	3.224	3.235	3.227	4.771	76.555	0.107
530.27	56.76	50.68	39.30	31.08	30.83	31.13	20.95		1.762	1.973	2.544	3.217	3.244	3.212	4.771	76.583	0.107
530.46	57.14	50.72	39.62	31.18	31.19	31.27	21.21		1.750	1.972	2.524	3.207	3.206	3.198	4.715	76.086	0.106
530.66	57.03	50.56	39.55	30.94	31.04	31.08	21.27		1.753	1.978	2.528	3.212	3.222	3.218	4.701	76.299	0.106
530.86	56.91	50.38	39.59	30.88	30.74	31.05	21.37		1.757	1.985	2.526	3.219	3.253	3.220	4.679	76.395	0.106
531.06	56.94	50.19	39.34	30.56	30.56	30.86	21.18		1.756	1.993	2.542	3.273	3.272	3.241	4.721	76.850	0.107
531.26	57.00	50.17	39.02	30.56	30.48	30.73	21.34		1.754	1.993	2.562	3.273	3.281	3.255	4.686	76.892	0.107
531.45	56.80	49.82	38.61	30.07	30.30	30.52	21.11		1.761	2.007	2.590	3.325	3.300	3.277	4.738	77.512	0.108
531.65	56.88	49.62	38.48	29.66	30.40	30.51	21.00		1.758	2.015	2.599	3.371	3.290	3.278	4.762	77.742	0.108
531.85	56.66	49.69	38.70	29.52	30.25	30.08	20.96		1.765	2.012	2.584	3.387	3.306	3.324	4.770	78.002	0.109
532.05	56.57	49.50	38.36	29.12	29.94	29.65	20.87		1.768	2.020	2.607	3.434	3.339	3.373	4.791	78.605	0.110
532.25	56.03	48.88	38.02	28.91	29.74	29.48	20.60		1.785	2.046	2.630	3.459	3.363	3.392	4.854	79.210	0.110
532.44	55.76	48.33	37.74	28.76	29.37	29.30	20.59		1.794	2.069	2.650	3.477	3.404	3.413	4.856	79.640	0.111
532.64	55.57	48.30	37.60	28.91	29.23	29.16	20.44		1.800	2.071	2.660	3.460	3.421	3.429	4.892	79.853	0.111
532.84	55.57	48.49	37.71	28.51	29.50	29.07	20.67		1.800	2.062	2.652	3.508	3.390	3.390	4.839	79.724	0.111
533.04	55.16	48.26	37.35	28.15	29.37	28.77	20.27		1.813	2.072	2.677	3.553	3.405	3.476	4.934	80.456	0.112
533.24	54.57	47.65	37.27	27.56	28.80	28.20	19.83		1.833	2.099	2.683	3.628	3.472	3.542	5.042	81.593	0.114
533.43	54.02	47.04	37.00	27.09	28.52	27.85	19.67		1.851	2.126	2.703	3.691	3.506	3.591	5.083	82.337	0.115
533.63	53.62	47.05	37.25	27.43	28.71	28.29	20.09		1.865	2.125	2.684	3.646	3.483	3.535	4.979	81.619	0.114
533.83	52.97	46.71	36.87	27.20	28.33	28.05	19.89		1.888	2.141	2.712	3.677	3.530	3.565	5.029	82.293	0.115
534.03	52.96	46.64	36.86	27.45	28.24	27.86	19.87		1.888	2.144	2.713	3.643	3.541	3.589	5.033	82.337	0.115
534.23	52.91	46.54	36.92	27.19	28.10	27.47	19.59		1.890	2.149	2.708	3.678	3.558	3.641	5.104	82.869	0.115
534.42	52.07	46.04	36.61	26.58	27.74	27.19	19.26		1.921	2.172	2.731	3.762	3.605	3.678	5.191	83.826	0.117
534.62	51.97	46.10	36.54	26.50	27.37	27.05	19.01		1.924	2.169	2.737	3.774	3.654	3.696	5.260	84.280	0.117
534.82	51.65	45.90	36.35	26.43	27.12	26.82	18.48		1.936	2.178	2.751	3.784	3.687	3.728	5.412	85.019	0.118
535.02	51.09	45.24	35.48	25.61	26.74	25.97	17.55		1.957	2.210	2.818	3.904	3.740	3.851	5.697	86.970	0.121
535.22	51.05	44.87	35.41	25.64	26.68	25.57	17.77		1.959	2.229	2.824	3.900	3.748	3.911	5.791	87.478	0.122
535.41	50.77	44.46	35.39	25.59	26.55	25.42	16.57		1.970	2.249	2.826	3.908	3.766	3.934	6.035	88.298	0.123
535.61	50.76	44.51	35.60	25.98	26.22	25.48	16.13		1.970	2.246	2.805	3.850	3.814	3.925	6.200	88.585	0.123
535.81	50.29	44.34	35.79	26.02	26.03	25.16	15.80		1.989	2.256	2.794	3.843	3.842	3.975	6.330	89.123	0.124
536.01	50.05	44.01	35.61	25.69	25.77	25.02	15.31		1.998	2.272	2.808	3.892	3.881	3.996	6.532	89.988	0.125
536.2	50.00	43.97	35.48	25.77	25.91	25.47	15.16		2.000	2.275	2.818	3.881	3.860	3.926	6.597	89.862	0.125
536.4	50.15	44.24	35.51	25.94	25.98	25.59	15.20		1.994	2.260	2.816	3.855	3.849	3.907	6.580	89.605	0.125
536.6	49.90	44.42	35.69	25.93	26.02	25.53	15.19		2.004	2.251	2.802	3.856	3.843	3.917	6.582	89.581	0.125
536.8	49.89	44.47	35.70	25.97	26.28	25.88	15.33		2.004	2.249	2.801	3.850	3.805	3.864	6.521	89.143	0.124
537	49.32	43.76	35.02	25.51	25.50												

543.91	39.38	34.88	25.90	17.46	17.64	17.93	9.35		2.540	2.867	3.861	5.727	5.668	5.578	10.697	114.578	0.160
544.11	39.03	34.59	25.32	17.32	17.56	17.23	8.68		2.562	2.891	3.950	5.773	5.695	5.806	11.525	116.544	0.162
544.3	38.72	33.93	24.80	17.16	16.84	16.89	8.33		2.583	2.947	4.032	5.829	5.940	5.921	12.012	118.279	0.165
544.5	38.54	33.70	24.88	17.00	17.19	16.87	7.81		2.595	2.967	4.019	5.881	5.816	5.927	12.811	119.094	0.166
544.7	38.24	33.37	24.68	16.36	16.87	16.75	7.52		2.615	2.996	4.052	6.114	5.927	5.971	13.305	120.506	0.168
544.89	38.33	33.62	25.15	16.48	17.76	17.31	8.02		2.609	2.974	3.976	6.067	5.632	5.778	12.471	118.305	0.165
545.09	38.88	33.59	25.63	16.93	18.15	17.26	8.10		2.572	2.977	3.901	5.907	5.509	5.794	12.353	117.457	0.164
545.29	38.68	33.79	25.08	16.68	18.03	17.36	7.72		2.585	2.960	3.987	5.994	5.547	5.759	12.951	118.455	0.165
545.49	38.00	33.34	24.85	16.45	17.91	17.05	7.31		2.631	3.000	4.025	6.077	5.583	5.865	13.674	119.907	0.167
545.68	37.71	32.82	24.40	15.76	17.47	16.54	6.58		2.652	3.047	4.098	6.347	5.726	6.044	15.205	122.806	0.171
545.88	37.43	32.59	23.81	15.73	17.85	16.59	6.42		2.672	3.068	4.201	6.358	5.602	6.026	15.574	123.161	0.172
546.08	37.44	32.66	24.00	15.59	18.27	17.15	6.58		2.671	3.062	4.167	6.412	5.472	5.832	15.203	122.157	0.170
546.27	37.64	32.16	24.44	15.64	18.72	16.90	6.37		2.657	3.109	4.092	6.392	5.342	5.918	15.690	122.394	0.171
546.47	38.38	32.29	25.28	16.22	18.89	17.14	6.93		2.605	3.097	3.956	6.165	5.294	5.833	14.433	120.158	0.167
546.67	38.30	32.64	25.54	15.59	18.64	17.24	6.81		2.611	3.064	3.915	6.416	5.366	5.801	14.684	120.761	0.168
546.87	37.92	32.19	25.82	15.96	19.00	17.51	7.25		2.637	3.107	3.873	6.265	5.264	5.711	13.797	119.254	0.166
547.06	38.51	31.83	26.07	16.02	18.81	17.61	7.34		2.597	3.142	3.836	6.242	5.315	5.680	13.624	119.000	0.166
547.26	38.59	32.59	26.74	16.26	19.05	18.92	8.26		2.591	3.069	3.739	6.151	5.250	5.285	12.112	115.786	0.161
547.46	38.46	32.15	26.15	15.85	18.63	18.75	8.10		2.600	3.111	3.824	6.308	5.368	5.333	12.344	116.969	0.163
547.65	38.31	32.33	26.15	15.72	18.31	18.91	7.74		2.610	3.093	3.824	6.361	5.462	5.289	12.927	117.794	0.164
547.85	38.92	32.68	26.08	16.55	18.64	18.70	8.11		2.569	3.060	3.835	6.041	5.364	5.346	12.331	116.397	0.162
548.05	38.37	32.10	25.97	16.09	18.18	17.71	7.78		2.606	3.115	3.850	6.215	5.499	5.647	12.858	118.448	0.165
548.24	38.58	32.40	27.24	15.88	18.49	18.56	8.49		2.592	3.086	3.671	6.298	5.408	5.387	11.778	116.090	0.162
548.44	38.88	32.76	27.89	16.14	19.40	19.34	8.83		2.572	3.052	3.586	6.195	5.155	5.172	11.327	114.018	0.159
548.64	39.40	33.09	28.16	16.07	19.84	19.50	9.11		2.538	3.022	3.551	6.224	5.040	5.129	10.981	113.064	0.158
548.84	39.25	32.75	27.69	16.33	20.04	19.75	8.82		2.548	3.054	3.612	6.122	4.990	5.063	11.339	113.300	0.158
549.03	38.98	31.87	26.91	16.04	18.91	19.36	8.22		2.565	3.138	3.717	6.235	5.288	5.165	12.166	115.833	0.161
549.23	38.83	32.26	27.06	16.16	19.01	19.93	8.76		2.575	3.100	3.696	6.190	5.261	5.017	11.419	114.342	0.159
549.43	38.21	31.89	27.20	15.70	18.60	19.21	8.90		2.617	3.136	3.676	6.370	5.376	5.205	11.242	115.210	0.161
549.62	38.48	32.44	26.82	15.88	18.79	19.31	8.81		2.599	3.083	3.729	6.296	5.321	5.178	11.347	115.022	0.160
549.82	38.95	32.99	26.68	15.94	18.91	18.92	8.60		2.568	3.031	3.748	6.272	5.289	5.287	11.631	115.404	0.161

VIII. APPENDEX B: Degree of Conversion Data

Summary Data at 469 for Star and Emiluma/Lumaloc All trials

Star					EL/LL			
nm	1.000	2.000	3.000		nm	1.000	2.000	3.000
469.03	0.068	0.053	0.056		469.030	0.098	0.108	0.090
469.23	0.068	0.053	0.056		469.230	0.098	0.108	0.090
469.43	0.067	0.053	0.056		469.430	0.098	0.108	0.090
469.63	0.067	0.053	0.056		469.630	0.098	0.108	0.090
469.83	0.067	0.053	0.056		469.830	0.098	0.108	0.090
MEAN	0.067	0.053	0.056		MEAN	0.098	0.108	0.090
			MEAN				MEAN	
		STAR	0.059			EL/LL	0.099	

Air Degree of Conversion Data

Air (mm)	Time (s)	1	2	3	Mean	STDEV
0	10	0.565	0.584	0.520	0.556	0.032
	20	0.664	0.681	0.682	0.676	0.008
	30	0.698	0.697	0.707	0.701	0.005
2	10	0.600	0.603	0.597	0.600	0.003
	20	0.678	0.683	0.642	0.668	0.018
	30	0.596	0.662	0.723	0.660	0.052
3	10	0.532	0.595	0.522	0.550	0.032
	20	0.667	0.673	0.664	0.668	0.004
	30	0.717	0.691	0.692	0.700	0.012
4	10	0.556	0.579	0.596	0.577	0.017
	20	0.668	0.675	0.688	0.677	0.008
	30	0.676	0.659	0.713	0.683	0.023
5	10	0.638	0.595	0.563	0.599	0.031
	20	0.676	0.682	0.682	0.680	0.003
	30	0.670	0.655	0.696	0.673	0.017
6	10	0.601	0.570	0.582	0.584	0.013
	20	0.636	0.636	0.657	0.643	0.010
	30	0.709	0.706	0.696	0.704	0.006

Star Degree of Conversion Data

Star(mm)	Time (s)	1	2	3	MEAN	STDEV
2	10	0.601	0.609	0.607	0.606	0.005
	20	0.666	0.664	0.683	0.671	0.010
	30	0.656	0.664	0.664	0.661	0.005
3	10	0.603	0.612	0.622	0.612	0.009
	20	0.627	0.649	0.684	0.654	0.029
	30	0.707	0.709	0.707	0.708	0.001
4	10	0.663	0.662	0.655	0.660	0.005
	20	0.688	0.664	0.669	0.674	0.013
	30	0.675	0.672	0.671	0.673	0.002
5	10	0.689	0.687	0.671	0.682	0.010
	20	0.656	0.673	0.675	0.668	0.010
	30	0.658	0.643	0.693	0.665	0.026
6	10	0.625	0.641	0.635	0.634	0.008
	20	0.688	0.684	0.662	0.678	0.014
	30	0.671	0.687	0.663	0.674	0.012

Emiluma/Lumaloc Degree of Conversion Data

EL/LL(mm)	Time (s)	1	2	3	MEAN	STDEV
2:02	10	0.54	0.59	0.59	0.575	0.021
	20	0.66	0.62	0.63	0.637	0.016
	30	0.66	0.66	0.68	0.667	0.007
2:03	10	0.60	0.62	0.62	0.612	0.006
	20	0.62	0.63	0.61	0.619	0.010
	30	0.69	0.71	0.69	0.693	0.009
2:04	10	0.60	0.61	0.61	0.607	0.006
	20	0.67	0.67	0.67	0.671	0.002
	30	0.67	0.68	0.68	0.676	0.003
3:02	10	0.62	0.62	0.63	0.623	0.002
	20	0.62	0.61	0.69	0.642	0.035
	30	0.69	0.68	0.69	0.685	0.001
3:03	10	0.63	0.62	0.62	0.622	0.004
	20	0.63	0.62	0.62	0.622	0.004
	30	0.68	0.68	0.65	0.672	0.013
4:02	10	0.65	0.62	0.62	0.634	0.015
	20	0.66	0.66	0.61	0.641	0.024
	30	0.68	0.68	0.68	0.678	0.004

Biocryl/Bioplast Degree of Conversion Data

B/B	Time (s)	1	2	3	AVG	STDEV
1 1	10	0.544	0.592	0.588	0.575	0.026
	20	0.634	0.630	0.560	0.608	0.041
	30	0.597	0.613	0.633	0.575	0.026

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