

Holocene hydrological balance of
West Basin Lake, Australia. High
resolution insight into regional
climatic drivers with cross pacific
correlations

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Andrew Philip Chapman

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HOLOCENE HYDROLOGICAL BALANCE OF WEST BASIN LAKE, AUSTRALIA. HIGH RESOLUTION INSIGHT INTO REGIONAL CLIMATIC DRIVERS WITH CROSS PACIFIC CORRELATIONS

WEST BASIN PALAEOHYDROLOGY

ABSTRACT

Palaeohydrological response to internal and external climate forcing need to be understood in the context of current climate change and modelling future climate scenarios. One area that is particularly lacking in the global framework of Holocene climate reconstructions is from the southern hemisphere, and particularly from mainland Australia. It is unclear how the prominent drivers of present day climate, such as the El Niño Southern Oscillation in the pacific region have acted on longer centennial-millennial timescales. We explore these changes using a multi-proxy geochemical analysis of lacustrine organic matter from West Basin Lake, south-eastern Australia. The record is constrained by an age-depth model using newly acquired ^{14}C radiocarbon dates, an important feature in a study encompassing 10795 BP to Present. Our analysis reveals that the hydrological balance of West Basin was high, with a generally wetter climate between 10795-7000 BP before increasingly arid conditions established from 5000 BP- Present. Continuous and cross wavelet transformation shows a common millennial periodicity linking aridity in south-eastern Australia with increased precipitation in western South America. Aridity also appears linked to periods of increased total solar irradiance in the late Holocene suggesting that the intensification of El Niño Southern Oscillation at millennial scales may be driven by solar forcing.

KEYWORDS

Holocene, climate, stable isotopes, Australia, cellulose, ENSO, wavelets

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1. INTRODUCTION

Understanding the nature and causes of past climate variability are critically important for global economies, environments and societies. While significant progress has been made in monitoring and modelling climate variability over the last 100 years, major uncertainties remain when it comes to variability over decadal, centennial and millennial timescales (Battarbee, 2009). From an Australian perspective, climatic shifts observed in the instrumental climate record, such as the occurrence of drought associated with El-Niño years in Eastern Australia (Bureau of Meteorology, 2005) pose a serious threat socioeconomically and ecologically. The ability to understand the frequency and duration of past climate episodes to natural climatic forcing can aid in forward modelling and thus management of climatically induced hazards now and into the future (IPCC, 2007; PAGES2K, 2013). Consequently, there is a need for a more robust global palaeoclimate database, which have improved chronologies, greater spatial coverage and a broader palaeoclimate proxy archive, which is a problem particularly manifest in the southern hemisphere (Tyler *et al.*, 2015).

Modern climate in Australia is highly variable from year to year. The El-Niño Southern Oscillation (ENSO), with its see-saw like fluctuations, creates a shift between warm and cold sea surface temperatures along the eastern coast of Australia, influencing rainfall patterns and temperature (Bureau of Meteorology, 2005). ENSO may interact synchronously with other climate modes to the south and west of Australia, such as the Indian Ocean Dipole and Southern Annular Mode which can impact the severity and duration of precipitation fluctuations within mainland Australia (Cleverly *et al.*, 2016). The effect of ENSO upon south-eastern Australia is opposite to that experienced on the

west coast of South America, such that, ENSO events are commonly associated with reduced rainfall in Australia, yet intense rainfall in western South America (Manton, 2013). However, this understanding of the effects of ENSO upon southern hemisphere hydroclimate is based largely upon instrumental climate records for the last century. The extent to which this pattern persists through decadal, centennial and millennial timescales remains poorly understood. Thus, the investigation of a causal mechanism linking cross-pacific palaeoclimate will provide insight into global Holocene climatic change.

Previous work has shown that orbital forcing on insolation can broadly explain global change in Holocene climate (COHMAP, 1988). In general, the south-eastern Australia records are in agreement with the classic record from Lake Keilambete (Bowler & Hamada, 1971; Wilkins *et al.*, 2013). The Keilambete record provides a high-resolution lake-level reconstruction and shows a dry lake in the early Holocene, before becoming wet, highlighted by a lake maximum at ca. 7200 BP, then oscillating, with generally dry conditions setting in from 5000 BP to present (Wilkins *et al.*, 2013). Similar trends were found in pollen records from Fraser Island (Donders *et al.*, 2006), Dust transport patterns from Australia to New Zealand (Marx *et al.*, 2009) and diatom inferred hydrology in Lake Purrumbete (Tibby *et al.*, 2012). Many of these south-eastern Australia records also identify an inverse relationship between records of precipitation in South America, which they inferred as an intensification of ENSO (Moy *et al.*, 2002; Conroy *et al.*, 2008). However, several studies reveal complexity that cannot be encompassed by the relatively linear solar forcing model (Denniston *et al.*, 2013; Gouramanis *et al.*, 2013; Pratigya J. Polissar *et al.*, 2013; Tyler *et al.*, 2015). For

example, the south-eastern Australia climate during the Late Holocene, from 5600 BP to present was drying, while the south-western Australia climate at that time had a reduction in Evaporation/Precipitation (Gouramanis *et al.*, 2013). The addition of new high-resolution palaeoclimate data, based upon a sound chronology can reinforce our spatial understanding of south-eastern Australia climate and help answer the question about possible driver(s) for change.

This study aims to implement several novel approaches to constraining Holocene climate variability in south-eastern Australia. One important consideration is the application of a sound chronology. Radiocarbon dating has been widely used for quaternary studies, however, problems can arise through contamination, where older or younger carbon is included in the sample producing an apparent age offset (Mahaney, 2000). Developments in ^{14}C AMS radiocarbon dating permit smaller sample sizes, and allow cheaper analysis, leading to higher resolution records (Battarbee, 2009). It is widely accepted that terrestrial plant macrofossils provide the ideal target for radiocarbon dating since they derive carbon directly from atmospheric CO_2 (Mahaney, 2000). However, in cases where plant macrofossils are rare, isolates of pollen grains offer a viable alternative with which to derive robust sediment geochronologies (Tennant *et al.*, 2013).

A variety of palaeoclimate proxies exist through which to derive past hydrological records, including mineralogical, geochemical and biological tracers (Cohen, 2003). Oxygen isotopes are commonly used tracers of past climate and hydrological change using lake sediments, most prominently measured from carbonates (Meyers & Lallier-

Verges, 1999), but also from diatom silica (Leng & Marshall, 2004) and organic molecules, including cellulose (Wolfe *et al.*, 2007). The latter offers potential to better constrain palaeohydrological change, but has rarely been applied to Australian lake sediments. Cellulose oxygen isotopes from an aquatic organism can preserve the lake water oxygen isotope signature at the time it was grown (Meyers & Lallier-Verges, 1999). In turn, changes to lake hydrological balance in a closed lake (a lake with no water outflow) are recorded in changes to the lake water oxygen isotope signature. Due to the heterogeneous nature of lacustrine sediments, it is important to ensure extracted cellulose is free from contaminants. The most commonly performed method for bulk cellulose extraction from lake sediments is that described by Wolfe *et al.*, (2001), also referred to as the UWEIL method. However, an alternative method based on cuprammonium dissolution (CUAM) has been shown to be more effective at extracting pure cellulose (Wissel *et al.*, 2008). Furthermore, to justify the use of cellulose oxygen isotopes, it is important to understand the origin of organic matter within a sediment sample. C/N, $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ of organic matter can provide these constraints, while at the same time acting as proxies for within lake processes that respond to climate change. This combination of isotope geochemical tracers have been demonstrated to provide excellent archives of Holocene climate variability (Tillman *et al.*, 2010; Heyng *et al.*, 2012).

The aim of this study is to 1. Develop a multi-proxy geochemical hydrological reconstruction of West Basin Lake, south-eastern Australia. 2. Refine existing chronology with a new suite of ^{14}C AMS dates. 3. Constrain higher frequency oscillations during the Holocene and investigate potential drivers for change. The

reconstruction will be used to test the hypothesis that ENSO is a common driver of hydroclimate variability between south-eastern Australia and western South America, acting inversely between the continents. This record will offer new insights into understanding the mechanisms of climate variability and the response of Australian hydrology to global change.

2. REGIONAL SETTING

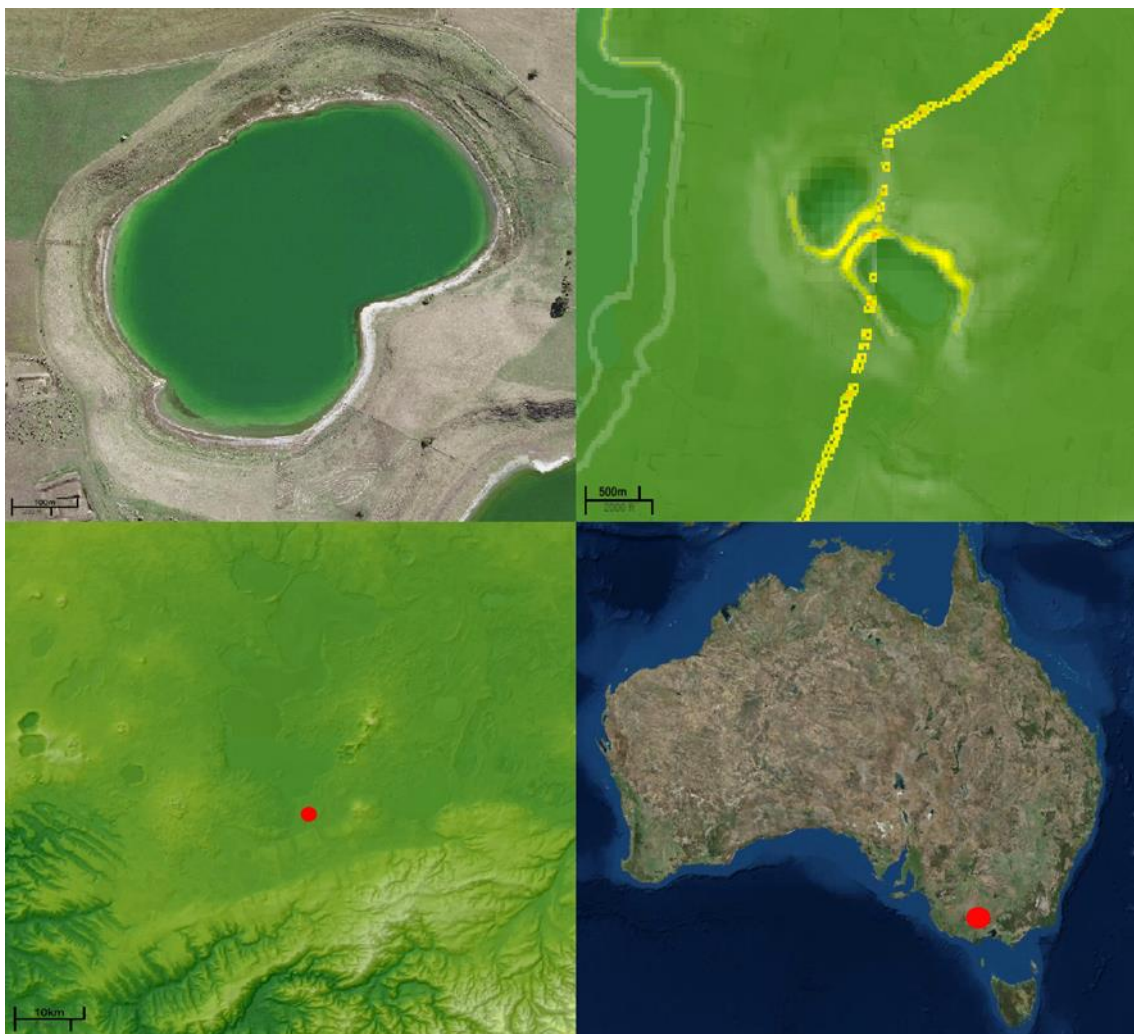


Figure 1: Top Left: Aerial photograph of West Basin Lake, with visible palaeoshorelines hosted in the steep crater walls making up the present day catchment area. Top Right: Slope derived from 20m DEM – yellow areas indicate steeper gradient which is focussed in the walls of the crater. Bottom Left: Regional DEM – lighter colours are increasing elevation above sea level, the local topography is relatively flat around the catchment, West Basin is enclosed by the red circle. Bottom Right: Satellite image of Australia with West Basin highlighted by the red circle. Images: Esri, Soil Health Database VicMap <http://www.ccmaknowledgebase.vic.gov.au>.

West Basin Lake, Nalangil, is one of two adjacent small maar crater lakes, located in the Western District region of Victoria, in Australia's south-east (Figure 1). The maars formed through Quaternary volcanic activity, where mainly olivine and tholeiitic basalts erupted over an area of approximately 40,000 km². There are multiple volcanic cones in the planes, overlying bedrock of Cenozoic marine sediments (Last & De Deckker, 1990).

West Basin Lake experiences a temperate climate, with mild to hot summers and cool, wet winters. Annual rainfall in the Western District ranges from 600-1000 mm and mean annual temperature is 15.5°C (Last & De Deckker, 1990). Precipitation and evaporation are seasonal, with instrumental records showing that winter months are by far the wettest and most effective at generating runoff (EPA, 2010).

The lake has a surface area of less than 1km², and maximum depths of 13.5 m. The catchment area is approximately 0.7 km² with no permanent streams entering the lake or permanent surface outflow. The maar walls rise 20 m above the water surface and are presently covered in grasses. The lake is hypersaline, and surface salinity ranges from approximately 65-95 ppt. Lake surface pH was measured as 8.7 in 2007-2008 (EPA, 2010).

3. METHODS

3.1. Coring and Sampling

Sediment core WB86-2 was taken between October and November 1986. Coring was performed with a Mackereth-style pneumatic corer. Four cores were taken, each

approximately 6 metres in length, with core 3 and 4 used in previous papers (Last & De Deckker, 1990; Gell *et al.*, 1994). Core was cut into four sections, A-D, which were wrapped, sealed and stored in a dark cool room (4°C).

3.2. Chronology

Five bulk sediment samples of approximately 4 cm³ were taken from depths 172-174 cm, 252-256 cm, 332-334 cm, 412-414 cm and 494-496 cm. Pollen was extracted by Dr Samuel Marx at the University of Wollongong using the method described in Moss *et al.*, (2013). Pollen extract was graphitised at the University of Waikato and analysed using Accelerator Mass Spectrometry (AMS). An age-depth model was developed using the software R and package Bacon (Blaauw & Christen, 2011). Calibration was performed with SHCal13 for the five new dates, as well as nine additional ¹⁴C dates and six ²¹⁰Pb dates provided by Dr Jonathan Tyler. A sample size of 11000 Monte Carlo Markov Chain iterations was chosen to best constrain the age model uncertainty.

3.3. Sedimentology

A sediment classification was performed on the entire core, based on the Schnurrenberger *et al.* method (2003). Sediment colour was defined using Munsell Soil Colour Charts. Bedding was defined as changes in layers of very thin (1-3cm), thin (3-10cm) and medium (10-30cm) thickness. Laminations were defined as thin (<1mm) and thick (>1mm<1cm).

3.4. ITRAX Scanning μ XRF (secondary data)

Scanning μ XRF analysis was performed on the whole core by Dr Jonathan Tyler using the ITRAX instrument housed at the Australian Nuclear Science and Technology

Organisation (ANSTO). Data were processed, and a composite record derived using the software R. All ITRAX data were centre log transformed and will be referred to as simply Ca/Ti, Inc/Ti and Si/Ti.

3.5. Organic carbon and nitrogen concentration and isotope analysis

1 cm³ samples for bulk carbon and nitrogen analysis were taken at 5 cm intervals throughout the core and transferred to 2 mL Eppendorf tubes. The samples were freeze dried for 48 hours at -55°C and then ball milled for 30 s at 300 Hz frequency to homogenise the material.

Additional 2 mg subsamples of homogenous sediment were weighed into silver cups and moistened with one drop of DI water to promote acidification. Samples were placed into a vacuum desiccator, containing 12 M HCl in the bottom. The samples were fumigated for 4 hours to remove carbonate material and dried in a 40°C oven for 72 hours. Both sample subsets were then transferred into tin cups, crimped, covered and placed in a 40°C oven prior to analysis.

Both acidified and non-acidified samples were analysed for carbon and nitrogen concentration and stable isotope composition. Samples were combusted in a EuroVector Elemental Analyser (EA), coupled by continuous flow to a Nu Horizon isotope ratio mass spectrometer (IRMS). One repeat sample was analysed per nine originals. Calibration was performed using glycine, glutamic acid, TPA and USGS-42 at the start and end of the run, with glycine standards checked every nine samples.

3.6. Cellulose Extraction

Samples of approximately 6 cm³ were taken at 10 cm intervals of the core for cellulose oxygen isotope analysis. Cellulose extraction followed the CUAM process of Wissel *et al.*, (2008). Samples were treated with 10% sodium hexametaphosphate (NaPO₃)₆ to disaggregate the clay component. Wet sediment was sieved at 250 µm, concentrated by settling for 48 hours, centrifuged at 4000 r.p.m. for five minutes and excess water decanted to waste. The fine fraction was heated in NaClO₂ for 10 hours at 60°C, rinsed 3x with 70°C DI water and freeze dried. Dry samples were mixed with cuprammonium solution (Schweizer's reagent), agitated in an end-over-end mixer for 6 hours and left to stand for 10 hours to dissolve cellulose. Following centrifugation (25 mins at 4000 r.p.m.) the supernatant was acidified with 3 ml 20% H₂SO₄ to precipitate cellulose and rinsed 3x with cold DI water. The cellulose extract was freeze-dried, weighed into silver cups and heated at 40°C prior to analysis. To investigate if filtering improved cellulose purity, five cuprammonium-cellulose solutions were each separated into two 25 ml aliquots, of which half were filtered through non-cellulosic filter paper and half unfiltered.

To evaluate the cellulose extraction method, Fourier Transform Infrared Spectroscopy was performed on 0.1 mg of freeze-dried cellulose using a Perkin-Elmer FTIR Spectrometer. Samples were analysed alongside alpha cellulose standard, and absorbance spectra were compared to this standard to assess any shifts in peak wavenumbers.

Cellulose was combusted in an elementary pyrolysis unit, coupled by continuous flow to a Nu-Horizon IRMS. One repeat sample was analysed per nine originals. Calibration was performed using alpha cellulose standard, PET, Barium sulphate and NBS-127, at the start and end of the run, with PET standards checked every nine originals.

In all cases, stable isotope values are expressed in per mil (‰) using the standard delta (δ) notation:

$$\delta^M X = \frac{R_{\text{sample}} - R_{\text{standard}}}{R_{\text{standard}}} \cdot 1000\text{‰}$$

3.7. Data Analysis

Continuous-wavelet transform (CWT) and cross-wavelet transform (XWT) were performed in the program Matlab, using the Grinsted-wavelet package. Methods followed Grinsted *et al.*, (2004). Time series data is analysed for normal distribution (Appendix 1), applied with a band pass filter (Morelet wavelet) and statistical significance is assessed relative to the null hypothesis that the signal is generated by a stationary process, with a given background power spectrum (Grinsted *et al.*, 2004).

4. RESULTS

4.1. Sedimentology

Five distinct stratigraphical units are defined from the 520 cm WB86-2 core (Figure 2a):

4.1.1. UNIT 5

WB86-2D (370-520 cm) **95-150 cm**

A distinct unit, with no visible bedding, apart from toward the base WB86-2D 125-130 cm. Olive green, and reddish brown colour occurred, and laminations were the most distinct, with light yellow sub-mm laminae spaced semi-regularly at 2 cm apart. The base WB86-2D 130-150 cm saw brownish black dry muds, with no visible laminations and could warrant its own unit. However, a longer core would need to be taken to distinguish this properly.

4.1.2. UNIT 4

WB86-2D (370-520 cm), **55-95 cm**

A homogenous, mainly thin bedded mud, with no visible laminations. Colour was mainly brownish black, with some dark brown layers. Laminations of black or light yellow could not be seen.

4.1.3. UNIT 3

WB86-2C (220-370 cm), **50 cm** - WB86-2D (370-520 cm) **55 cm**

Very thin alternating muds, with an absence of olive green, and reddish brown colours. Laminations were clearer, and more often thick and light yellow in colour, some up to 5 mm thick. Fine dark laminations were not apparent; overall the core appears drier throughout this section.

4.1.4. UNIT 2

WB86-2 B (110-220 cm), **30 cm**-WB86-2C (220-370 cm) **50 cm**

A more heterogeneous mud, with no coloured layers greater than 3 cm. Colour included olive green, reddish brown, pale yellow, brownish black, brown and dark brown.

Organics dominated this section of core, seen by dark organic matter from WB86-2B 64-81 cm. Laminations ranged from thin to thick throughout this section, but could not be seen in some organic-rich layers.

4.1.5. UNIT 1

WB86-2 A (0-110 cm), **0 cm-WB862-B (110-220 cm) 30 cm**

Very thin to thin alternating coloured muds, with no visible bedding separation, but clear thin laminations. Colours ranged from olive green, brown, to dark brown.

Laminations could be seen as light yellow in parts, with some prominent olive green sections at approximately WB86-2A 92-110 cm deep. There was some apparent faulting in the vertical plane of this core seen by offset laminations.

4.2. Chronology

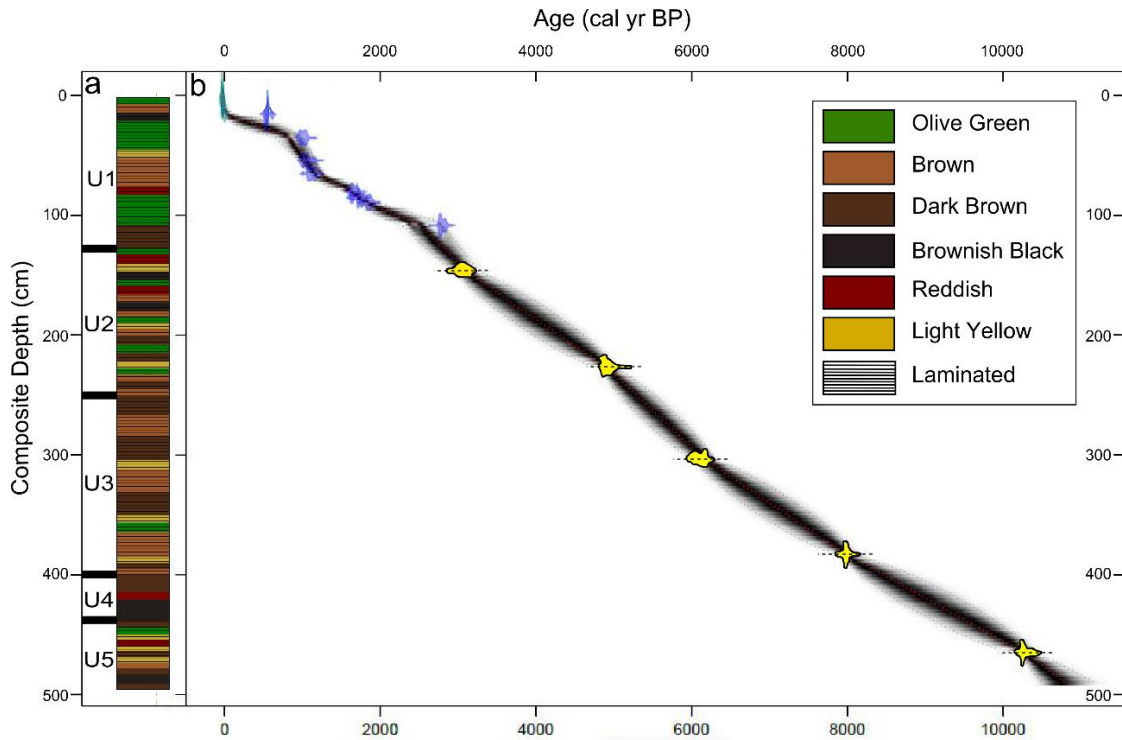


Figure 2: (a) Stratigraphic log on LHS displaying five sedimentological units and colours. Beds are thickest in U1, U3 and U4. Laminations are present in all units except for U4 and the base of Unit 5. (b) New age-depth model for West Basin. New ^{14}C dates (yellow), previous ^{14}C dates (blue), previous Pb^{210} dates (green). Thickness of black line indicates increasing uncertainty (mean uncertainty: ± 240 yr). Sedimentation rate of 20 yr/cm. Calibrated age uncertainty is represented within the data points as a distribution above or below the grey dashed lines.

The original chronology of West Basin was constrained by three radiocarbon dates sampled from finely disseminated organic matter showing constant sedimentation of 19 yr/cm. The new age model (Figure 2b) shows near constant accumulation of 20 yr/cm. Variance between the two models is seen between 0-100 cm. This section contains a mixture of six ^{210}Pb dates, as well as nine ^{14}C taken from coarse organic fragments and ostracod fossils.

Throughout the following description and subsequent discussion, all samples will be referred to by calibrated years before present, using the notation (BP) in the first instance.

4.3. ITRAX μ XRF Element Data

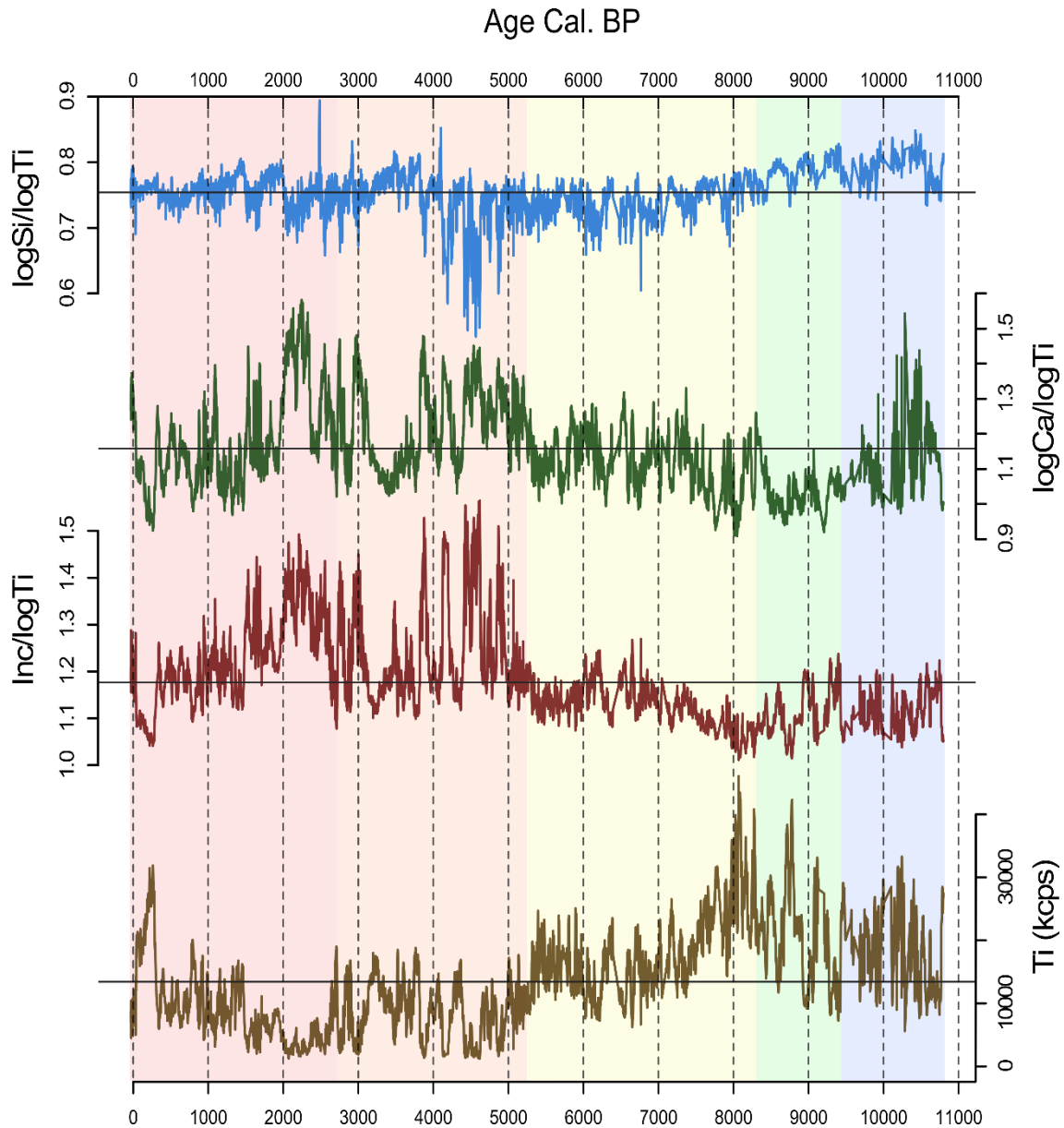


Figure 3: ITRAX μ XRF showing a sub-decadal history for West Basin. Si/Ti can infer water productivity, Ca/Ti and Inc/Ti can indicate drier conditions and show an in-phase relationship. Ti can either indicate the amount of runoff or enhanced Aeolian deposition. Background colours separate stratigraphical units.

The scanning μ XRF data at West Basin contains many more elements than reported here. These were not the primary focus of this research, and as such only four tracers are shown, identified as being useful hydrological descriptors, namely: carbonate abundance (Ca/Ti), silicates (Si/Ti), organic matter (Inc/Ti) and terrestrial inwash (Ti). The ITRAX data appear to correlate well with previously published mineralogical data (Figure 4), however, the previous data comes from cores taken elsewhere in the lake so a direct correlation is not possible. Nonetheless it does support the use of the μ XRF as a high-resolution tracer of mineralogy.

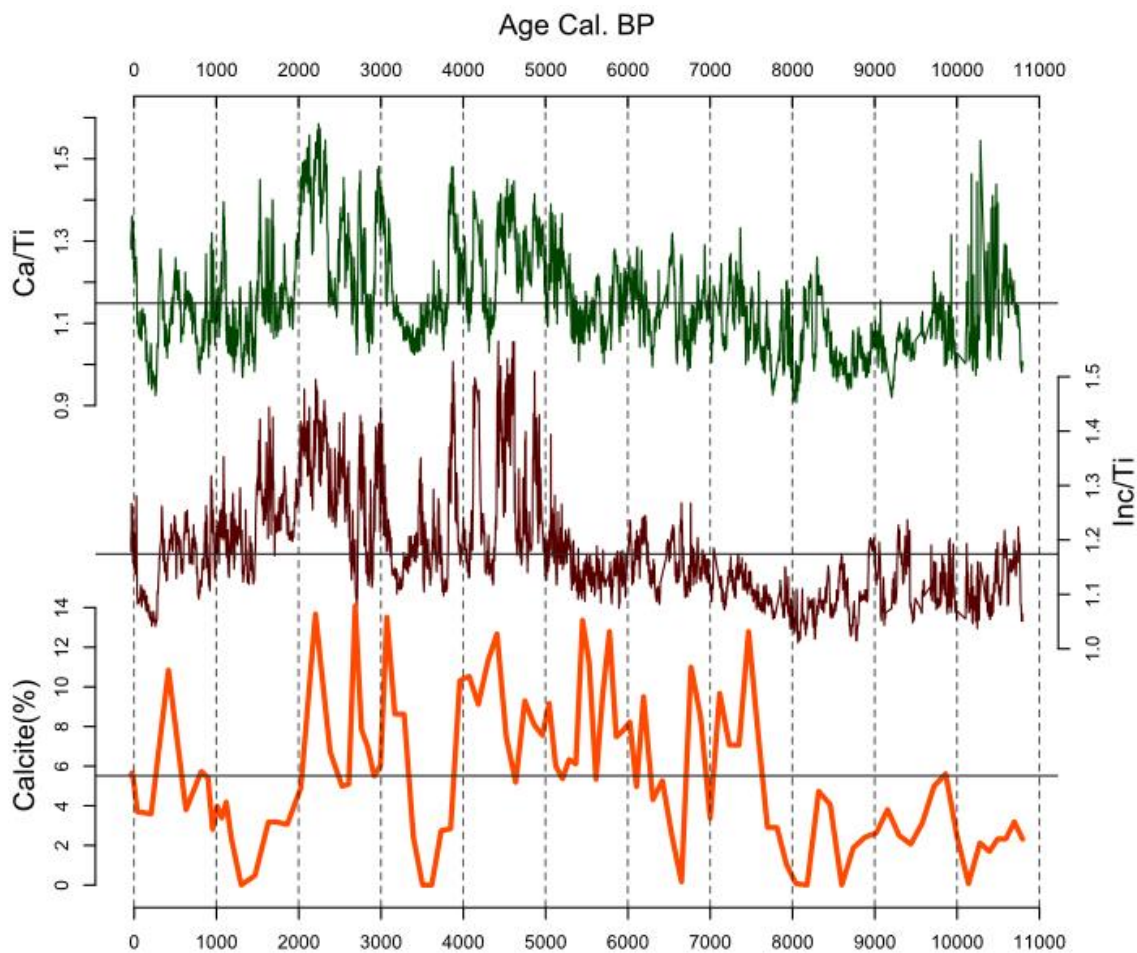


Figure 4: Top: μ XRF Ca/Ti major element data from WB86-2. Horizontal black line indicates the mean. Middle: μ XRF Inc/Ti major element data from WB86-2. Horizontal black line indicates the mean. Bottom: Total calcite abundance from WB86-3 (Last and De Decker, 1990). Data is slightly offset (~500y) due to the different age models applied. Horizontal black line indicates the mean.

Ca/Ti and Inc/Ti ratios shared similar trends ($R^2=0.58$, Appendix 2) (Figure 3). There was an overall increasing trend from below mean values persisting from 10795-6000 BP. Between 4500-3800 BP ratios oscillated from very high, to mean levels, before a period of low values that occurred around 3000 BP. Highest Holocene values were between 5000 BP and 2000 BP, before declining values set in towards present. There was also sharp fall and subsequent rise at 500 BP.

Ti values appear to show an anti-phase relationship with Ca/Ti and Inc/Ti ($R^2=0.55$, appendix 2) (Figure 3). The highest values were recorded in the early Holocene, where values were above mean and rising from 10795-8000 BP. There were declining values from 8000 BP to 5500 BP, where they began to fall below the mean and continued below mean, until 2000 BP. After this time values recovered towards the mean, sharply rising at 500 BP.

Si/Ti were overall less variable, with declining values from 10795- 6000 BP (Figure 3). The rest of the record saw values oscillating around the mean, with only one notable decrease to the lowest recorded values between 5000-4000 BP.

4.4. Validation of Purity of Extracted Cellulose

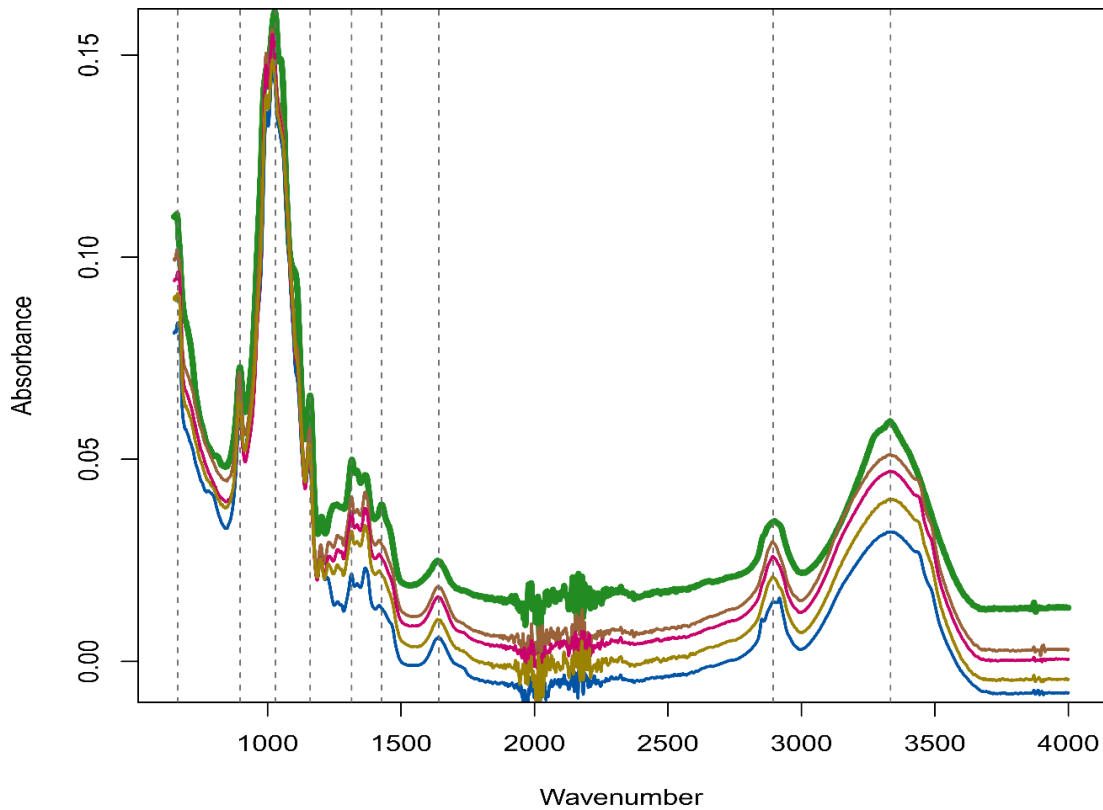


Figure 5: FTIR results for alpha cellulose (green), WB86-2A 39-42cm (blue), WB86-2A 59-62cm (pink), WB86-2C 227-230 cm (brown), WB86-2D 329-332 cm (gold). Dashed grey lines indicate theorised absorbance peaks (Larkin, 2011). All samples are unfiltered. WB86-2D 409-41 2cm not shown and some curves were moved vertically to allow better visual representation.

Cellulose exhibits characteristic infra-red spectra (Table 1, Figure 5) (Larkin, 2011).

The measured cellulose standard is almost identical to Larkin (2011), similarly, the five filtered and five unfiltered test samples are also in good agreement (Table 1). All cellulose samples extracted from West Basin sediments correlate strongly to the cellulose standard ($R^2 > 0.95$) (Figure 6). However, R^2 values for unfiltered samples were uniformly greater.

Table 1: Theorised wavenumbers where alpha cellulose will exhibit absorbance peaks when analysed with FTIR (Larkin,2011) compared with cellulose standard and test sample FTIR data for peak wavenumbers. Filtered samples are labelled (F).

Larkin, (2011)	3334	2894	1642	1427	1315	1160	1030	898	663
Cellulose Standard	3331	2900	1637	1428	1316	1160	1027	897	660
WB86-2 39-42cm	3332	2893	1638	1420	1315	1156	1019	895	664
WB86-2 59-62cm	3332	2892	1638	1419	1314	1157	1017	895	662
WB86-2 227-230cm	3332	2893	1637	1419	1314	1157	1018	895	664
WB86-2 329-332cm	3329	2892	1637	1420	1315	1156	1019	895	664
WB86-2 409-412cm	3332	2892	1636	1420	1314	1156	1024	895	661
WB86-2 39-42cm (F)	3330	2893	1637	1419	1315	1156	1018	895	663
WB86-2 59-62cm (F)	3332	2893	1638	1419	1313	1157	1019	895	663
WB86-2 227-230cm (F)	3332	2893	1639	1418	1314	1156	1017	895	665
WB86-2 329-332cm (F)	3332	2894	1638	1419	1314	1156	1019	895	664
WB86-2 409-412cm (F)	3332	2893	1637	1420	1315	1156	1016	895	664

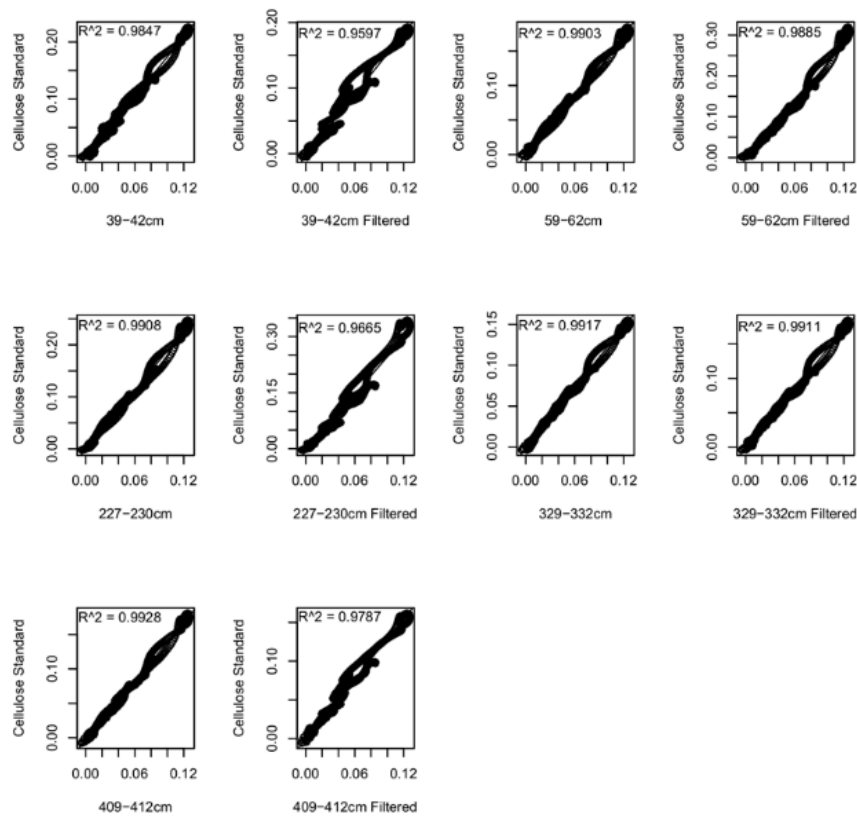


Figure 6: Linear Regression of FTIR data for five filtered and five unfiltered cellulose samples vs. cellulose standard. R² values are higher for each of the unfiltered samples relative to filtered samples from the same depth.

4.5. Bulk Sediment C/N, $\delta^{13}\text{C}$, $\delta^{15}\text{N}$, $\delta^{18}\text{O}$

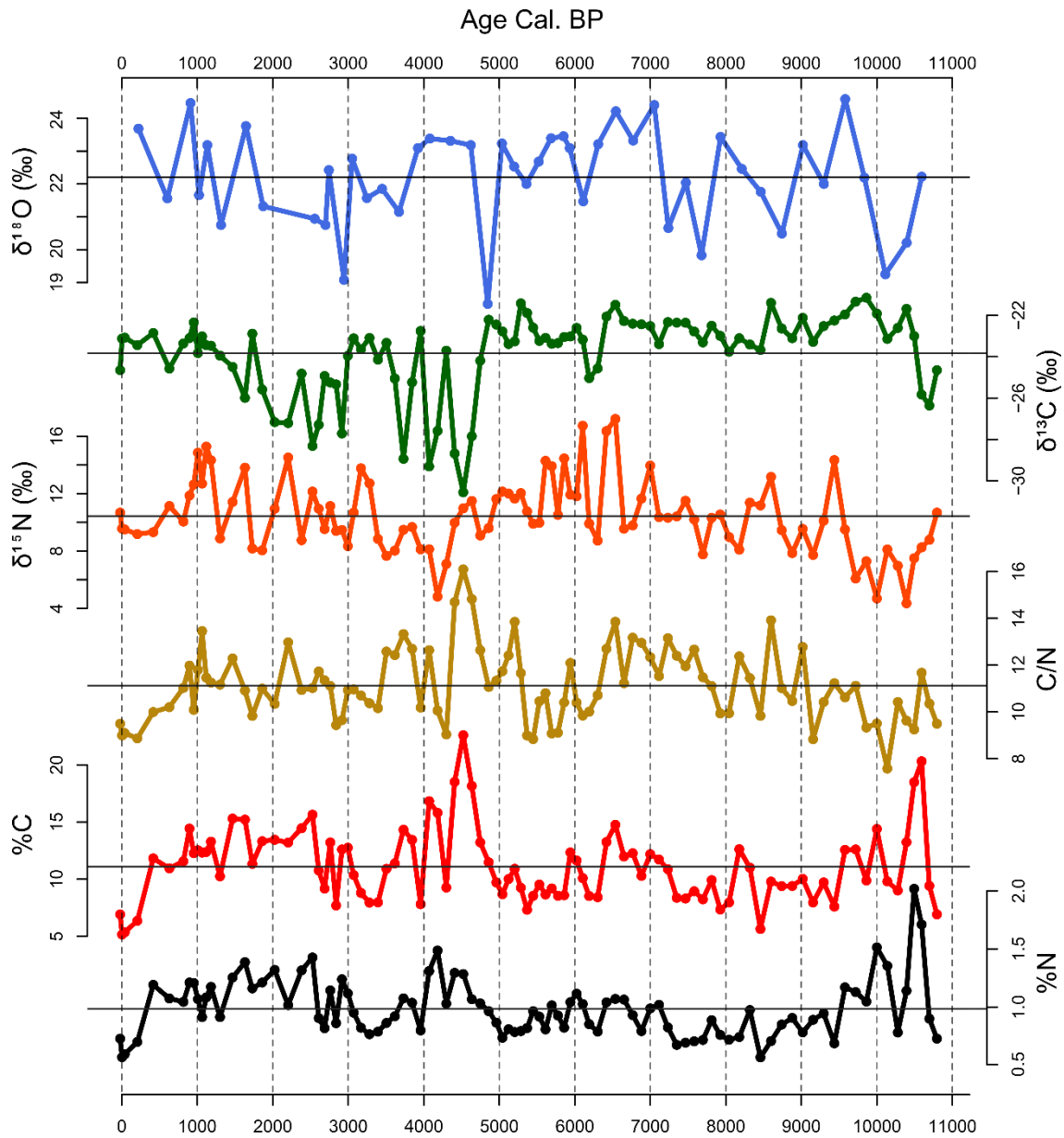


Figure 7: Stable isotope data for West Basin. $\delta^{18}\text{O}$ showing fluctuations between wetter (below mean) and drier (above mean) mean hydrology. $\delta^{13}\text{C}$ showing enhanced variability after 5000 BP. $\delta^{15}\text{N}$ is varied throughout the Holocene, with no clear correlations to the other proxies. C/N mainly fluctuates around the mean ratio for lacustrine algae for the whole record %C and %N show similar trends. Notes %C is results after fumigation data. $\delta^{18}\text{O}$ is represented by 47 samples, while other data is represented by 98, horizontal black lines indicate the mean.

%C values ranged from 5.3% to 21.6% (mean=11.1%, n=98, error 0.38%), while %N range from 0.57% to 1.96% (mean=0.99%, n=98, error 0.03%). $\delta^{13}\text{C}$ values ranged from

-21.1‰ to -30.0‰ (mean -23.8‰, n=98, error 0.06‰), while $\delta^{15}\text{N}$ values ranged from 4.0‰ to 18.6‰ (mean 10.43‰, n=98, error 0.09‰) (Figure 7).

%C and %N individually exhibited fairly similar trends across the record (Figure 7).

The C/N ratio showed a range of 7.6 to 16.1 (mean=11.1, standard deviation=1.51 n=98). There was some distinct long-term trends in C/N such as a steady rise from 10795-6000 BP, variable and high 6000-3000 BP and stable, but declining 3000 BP-Present. Notably, the lowest C/N values are recorded at 10100 BP, while the highest values were at 4500 BP. The most variable units of the core were unit two and three, where swings of 5.6 were recorded between 4400-4300 BP and 4.0 between 6500-6100 BP.

Bulk organic matter $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ were not correlated throughout the record (Figure 7). $\delta^{13}\text{C}$ showed a steady, above mean trend between 10795-5000 BP, followed by a highly variable 5000-1500 BP and a relatively stable 1500 BP-Present. The highest $\delta^{13}\text{C}$ values were recorded at 9800 BP, while the lowest were at 4500 BP. The above mean values seen from 10795-5000 BP only had one excursion below the mean at 6200 BP, and consecutive samples showed much less variance with changes of <0.2‰ common. Larger up to 3.8‰ shifts to lower $\delta^{13}\text{C}$ were recorded between 4500-3500 BP as well as 3000-2500 BP, where low values persisted for up to three consecutive samples (~330 years) before returning to mean levels. Relatively stable $\delta^{13}\text{C}$ values were recorded from 1500 BP-Present. $\delta^{15}\text{N}$ values were low, but rising between 10795-7000 BP, highly variable between 7000-5000 BP, low 5000-3000 BP and oscillated around mean values from 3000 BP-Present. $\delta^{15}\text{N}$ did not share the clear pattern exhibited in $\delta^{13}\text{C}$, however, notable swings of 7.3‰ were recorded at 6500 BP. $\delta^{15}\text{N}$ also saw a rise from the lowest value 5.7‰ at 4200 BP to 13.3‰ at 3200 BP.

Cellulose $\delta^{18}\text{O}$ showed a range of values from 18.35‰ to 24.58‰ (mean=22.20‰, n=47, error 0.24‰) (Figure 7). Sampling for cellulose required a large amount of sediment (~6cm³), with sample thickness between 2-3 cm. The sampling size coupled with the age model uncertainty of ± 240 years creates an uncertainty of ± 300 years for the $\delta^{18}\text{O}$ values.

The $\delta^{18}\text{O}$ was variable, not sharing the distinct overall trends of the other isotope data (Figure 7). However, there were some broad periods of above mean $\delta^{18}\text{O}$ between 7000-5000 BP and below mean values between 9000-7500 BP and 3500-2000 BP. The most distinct rapid changes in $\delta^{18}\text{O}$ were 4.88‰ at 4800 BP, 5.33‰ between 10000- 9500 BP, 3.74‰ at 7200 BP and 3.69‰ at 2800 BP.

5. DISCUSSION

5.1. Chronology

The new age-depth model for the Holocene sediments of West Basin (Figure 2b) provides a higher chronological resolution than the original work of Last and De Decker (1990). The original model was constrained from three radiocarbon dates taken from finely disseminated organic matter, which have potential age offsets due to reservoir or hard water effects (Tennant *et al.*, 2013). These effects have been recorded in the radiocarbon age models of other lakes in the region, from a variety of carbon reservoirs including pollen (Barr *et al.*, 2014). However, the linearity observed in our new age-depth model, with the absence of reversals, suggests that contamination of pollen microfossils is not an issue at West Basin. Importantly, the near-linear accumulation

rate (Figure 2b) gives reason to confirm a perpetually wet lake, with constant sedimentation. Furthermore, the sedimentation rate is rapid in comparison to other Holocene lake records in Australia (Kemp *et al.*, 2011) allowing higher resolution constraint on Holocene palaeoclimatology.

5.2. ITRAX μ XRF Element Data

Changes within lake sediments to higher values of Ca/Ti have been interpreted as an increase in evaporative concentration of the lake, or as an increase in in-lake carbonate precipitation, which may be biologically mediated such as calcite (Croudace & Rothwell, 2015). This interpretation suggests that an increase in Ca/Ti reflects a change to drier lake conditions. Similarly, increases in Inc/Ti have been interpreted as an increase in organic content, which is linked to warmer conditions and possibly drought (Cohen, 2003). The shared relative changes to higher Ca/Ti and Inc/Ti in West Basin (Figure 3) across the Holocene suggest that the lake conditions are becoming progressively drier, with peak dryness occurring between 5000-2000 BP.

Change to lake sediment Ti is often associated with lithic input, occasionally derived from windblown dust, but primarily from terrestrial in-wash into smaller lake basins (Croudace & Rothwell, 2015). This interpretation suggests that the increasing values of Ti at West Basin, observed between 10795-8000 BP (Figure 3) was due to increasingly wetter conditions, which culminated at 8000 BP and were less wet between 5000-500 BP. Si/Ti in lake sediments have been interpreted as an increase in biogenic silica (Croudace & Rothwell, 2015). This interpretation has implications for the relative lake water productivity, most commonly through changes to diatom populations (Cohen,

2003). West Basin diatom productivity appears to be highest in the early Holocene, with major disturbances seen between 5000-4000 BP.

5.3. Sedimentology

Lake sediments may consist of a genetically diverse set of components including a mixture of detrital sediment grains, aquatic and terrestrial organic matter as well as carbonate precipitated either inorganically or as fossil components (Schnurrenberger *et al.*, 2003). This diversity can provide useful palaeolimnological information without the need for further invasive sampling. Four cores were taken at West Basin, each from slightly different regions of the lake. This implies that each core will record slightly different sedimentation rates or features associated with lake bathymetry. Previous stratigraphic logs are summarised in Table 2. Due to the previous discrepancies in stratigraphical sequence, as well as the absence of a log for WB86-2, it was pertinent to perform a first order stratigraphical interpretation as part of this study.

Despite the age of the core, the sediment is still moist and has not dried or shown any extensive biological alteration, highlighted by the absence of mould spores in all bar the bottom 10 cm of the core. The excellent preservation is attributed to the stable temperature and dark conditions that it is stored in. The age does present a limitation in the application of the colour classification because oxidation can alter the sediments original colour (Schnurrenberger *et al.*, 2003). Nonetheless, the lithofacies defined herein still offer a means to support more sophisticated geochemical interpretations (Cohen, 2003). Importantly, the presence of laminations throughout the core (Figure 2a) implies continuous deep water conditions, thus support continuous sedimentation during the Holocene at West Basin (Tylmann *et al.*, 2012). Laminated sediments are also good

evidence for the absence of benthic reworking and geochemical alteration, possibly due to perpetual anoxia at the sediment-water interface (Lagauzère *et al.*, 2011). There was an apparent faulting of 1 cm in the vertical plane of the core evident from 0-60 cm, but there was no other indication of unconformity. The apparent faulting is attributed as a coring artefact, as the same feature was not observed in the WB86-4 core (Gell *et al.*, 1994). The lack of visual unconformity is in agreement with the interpretations from Last and De Decker (1990) that the record does not indicate complete drying or desiccation and as such provides a complete Holocene record of lake hydrological change.

Table 2: Down core depth for sedimentological units defined in cores WB 86-3, WB86-4 and this study. This study shows similarities to the previous work, particularly, unit 1, unit 4, and unit 5. Unit 6 defined in Gell *et al.*, (1994) was described in our log, but not defined as a separate unit.

Unit	Last and De Decker (1990)	Gell <i>et al.</i>, (1994)	This Study
1	0-180cm	0-15cm	0-150cm
2	180-460cm	15-155cm	150-270cm
3	460-500cm	155-380cm	270-425cm
4	500-520cm	380-465cm	425-465cm
5		465-500cm	465-520cm
6		500-520cm	

5.4. Source of Organic Matter to the West Basin sediments

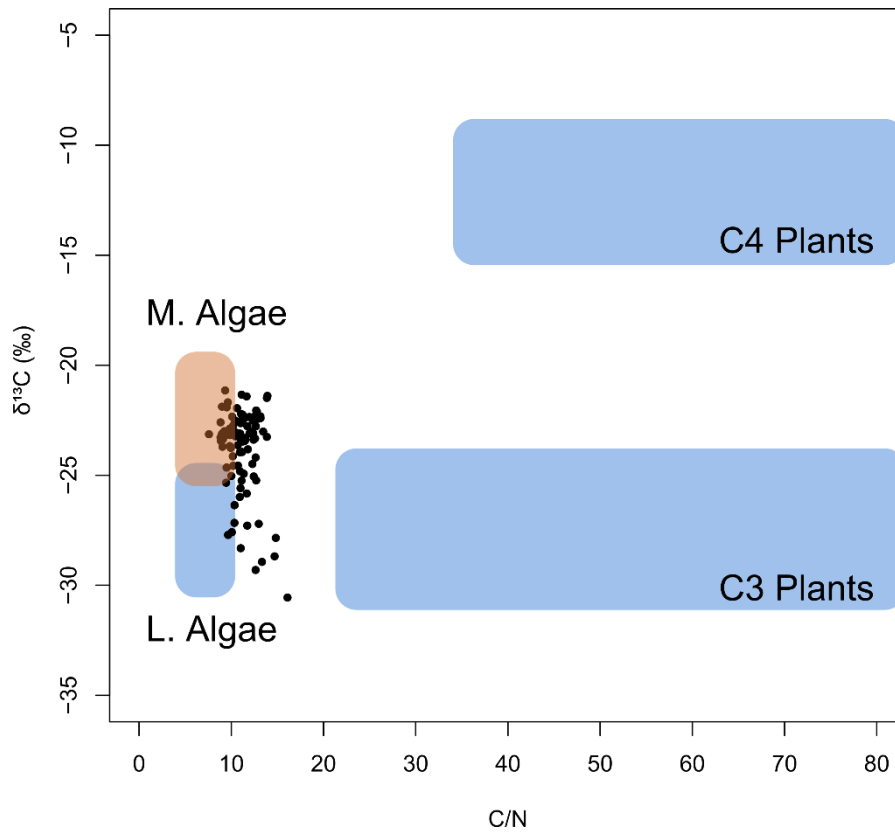


Figure 8: C/N vs. $\delta^{13}\text{C}$ (black dots) are used to determine the predominant source of organic matter in sediment. Characteristic ratios are defined for Marine Algae (red), Lacustrine Algae, C3 and C4 plants (blue). Image adapted from Meyers and Lallier-verges (1999).

C/N, $\delta^{13}\text{C}$ and to a lesser extent $\delta^{15}\text{N}$ measured from bulk lake sediment at West Basin can provide insight into the dominant source of organic matter (Meyers & Lallier-Verges, 1999). This is because C/N ratios sourced from algae will have characteristically low C/N (4-10) relative to C3 and C4 plants (>20) (Meyers, 1994). Similarly, $\delta^{13}\text{C}$ values sourced from algae, and C3 plants will be low (-25:-30 ‰), while $\delta^{13}\text{C}$ of C4 plants are higher (-10:-15‰) (Leng & Marshall, 2004). Figure 8 highlights an abundantly algal source of organic matter for West Basin, however, C/N mean values are 11.1 and $\delta^{13}\text{C}$ mean values are -23.8‰. These data may indicate a sub-equal mixing of algal and terrestrial organic material, however, lacustrine C/N ratios may also be high as a result of a nitrogen-limited environment (Wolfe *et al.*, 2001). Nitrogen limiting

conditions at West Basin are feasible due to the carbon-rich, nutrient poor C4 grasses in the watershed. Nitrogen limitation is also supported by high mean $\delta^{15}\text{N}$ (Figure 7) (Finlay & Kendall, 2007).

Lacustrine algae utilising a source of carbon with elevated $\delta^{13}\text{C}$ is one alternate explanation for the slightly increased $\delta^{13}\text{C}$ values in the sediment at West Basin (Meyers, 1994). Many freshwater algae utilise CO_2 that is in isotopic equilibrium with the atmosphere ($\delta^{13}\text{C} \sim -27\text{‰}$). However, photoautotrophs living in elevated pH, such as marine algae, will source their CO_2 from dissolved HCO_3^- ($\delta^{13}\text{C} \sim 0\text{‰}$) (Figure 8) (Meyers, 1994). This observation is not restricted to marine environments. In a synthesis of 72 regionally diverse lakes, HCO_3^- in alkaline lakes has also been shown to produce an elevated $\delta^{13}\text{C}$ of organic matter (Bade *et al.*, 2004). West Basin has a measured pH at present of 8.7 (EPA, 2010) and the presence of endogenic carbonates throughout the entire sequence indicates persistent alkaline conditions (Gell *et al.*, 1994). It is suggested that the slightly elevated C/N vs. $\delta^{13}\text{C}$ values are a result of HCO_3^- utilisation by aquatic algae, due to the persistent alkaline conditions, nitrogen limiting environment and small catchment area rather than the significant influx of watershed higher plant matter. This explanation is supported by pollen data, which overall appears to indicate that the catchment vegetation remained a constant sparse grassland throughout the Holocene (Gell *et al.*, 1994).

5.5. Cellulose Extraction for Oxygen Isotope Analysis

Due to the relative novelty of the CUAM method, it was deemed appropriate to validate the technique prior to wholesale application. Furthermore, recent research has

identified that the introduction of an additional filtration step prior to acidification can improve the purity of the extracted cellulose (JJT. Personal Communication). However, such requirements vary according to the type of sediment, and there is no certainty that the extra time and effort involved in filtering each sample is beneficial in all cases. Therefore, we carried out preliminary tests on filtered and non-filtered samples to explore whether or not filtration was necessary for sediments at West Basin.

FTIR analysis of five filtered vs. unfiltered samples showed that filtering did not improve cellulose purity. Unfiltered samples show a very strong visual correlation with cellulose standard (Figure 5). Furthermore, the correlation R^2 values between sediment cellulose and cellulose standard were higher in all unfiltered cases compared to their filtered counterparts (Figure 6). Filtering samples may cause lower R^2 values due to a contaminant introduced by the filter paper itself. Thus, the data implies that removing the filtering step may save time as well as reduce costs in future applications of this method, at least to West Basin sediments, especially when processing large sample sizes.

5.6. West Basin Palaeohydrology

The broad spectrum of geochemical evidence, coupled with sedimentological indicators for West Basin provides a largely coherent reconstruction of hydrological change throughout the Holocene. In particular, the data suggests a relatively wet period from 10795-7000 BP, and dry conditions between 5000-2000 BP.

Lake water hydrological balance is largely controlled by physical mechanisms, such as the preferential evaporation of low mass isotopologues causing enrichment of $\delta^{18}\text{O}$

(Leng, 2006; Wolfe *et al.*, 2007). Relative changes in lake water $\delta^{18}\text{O}$ can be measured from aquatic cellulose, which is shown to have a nearly constant fractionation of $\delta^{18}\text{O}$ (Wolfe *et al.*, 2001). Given that West Basin organic matter is predominantly sourced from aquatic organisms (Figure 8), changes in cellulose $\delta^{18}\text{O}$ measured from West Basin sediment are considered relative to changes in lake water $\delta^{18}\text{O}$ and hence lake hydrology (changes in the balance of precipitation/evaporation).

Higher resolution changes in other proxies may give further insight into the West Basin hydrology including changes in bulk sediment $\delta^{13}\text{C}$ as a response to palaeo-productivity (Leng & Marshall, 2004), changes in organic deposition indicated by fluctuations in bulk sediment %C and %N (Meyers & Lallier-Verges, 1999), variations in the lake's nitrogen cycle recorded in bulk sediment $\delta^{15}\text{N}$ and fluctuations of major element data (Croudace & Rothwell, 2015).

5.6.1. EARLY-MID HOLOCENE (10795-5000 BP)

Early Holocene precipitation/evaporation (P/E) balance was high for West Basin, demonstrated by above mean, albeit fluctuating $\delta^{18}\text{O}$ persisting from 10795-7000 BP (Figure 7). The high P/E is likely a response to increased precipitation and an overall wetter climate. A wetter climate can enhance catchment runoff, increasing the amount of dissolved organic carbon (DOC) within the lake, causing pH levels to drop (Dean, 1999). An overall increase in DOC may lead to a reduction in lake water pH, which promotes the dissolution of endogenic carbonates, as evidenced by low calcite % seen in Figure 4. A wetter early Holocene at West Basin is also supported by high Titanium recorded in μXRF data (Figure 3).

Within the overall wetter 10795-7000 BP, there are brief episodes of low Ti, which suggest a change to reduced P/E conditions such as at 9000 BP and 8600 BP. During these episodes there is a combination of reduced Ti, elevated C/N and elevated $\delta^{13}\text{C}$ (Figure 3, Figure 7), which are interpreted as a reduction in lake level, consequently broadening the lake catchment area and allowing greater allochthonous plant matter input into the lake. Similar interpretations have been made from lake sediments at El Junco Lake, Galapagos Islands (Conroy *et al.*, 2008). Importantly, while these episodes are not the predominant feature at West Basin during 10795-7000 BP, they provide further insight into centennial-scale variability.

The data suggest that the early-mid Holocene saw the establishment of permanent meromixis at West Basin. Meromixis forms when high alkalinity and salinity drives permanent water stratification, with an absence of vertical water mixing between layers isolating deep water from oxygenation (Hakala, 2004). The presence of very thin laminations from unit 3 (8920 BP) onwards is supportive of a meromictic lake body (Tylmann *et al.*, 2012). Further evidence for permanent meromixis is seen in an enriched $\delta^{15}\text{N}$, which persists from 9500 BP-5000 BP (Figure 7). Meromixis is a driver for $\delta^{15}\text{N}$ enrichment at West Basin due to the formation of a permanent anoxic layer, where denitrification is enhanced, facilitating light ^{14}N isotopes to be assimilated microbially and lost to the atmosphere (Finlay & Kendall, 2007). Alternately $\delta^{15}\text{N}$ enrichment in lake systems can be a result of increased primary productivity (Croudace & Rothwell, 2015), however, this is unlikely at West Basin due to declining biogenic silica concentrations (inferred from Si/Ti) from the early Holocene onwards (Figure 3)

coupled with a reduction in diatom concentration recorded in the core from 8000-4500 BP (Gell *et al.*, 1994).

It is inferred that meromixis introduces an equilibrium state of lake hydrology at West Basin, highlighted by the near constant $\delta^{13}\text{C}$ (Figure 7). The lake hydrology also had a generally positive water balance that persists until 7200 BP. A 3.74‰ increase in $\delta^{18}\text{O}$ at 7200 BP shows a change in the lake water balance, potentially linked to the onset of a drier climate (Figure 7). The onset of drier conditions can drive the lake level to fall, concentrating chemical gradients and facilitating increased precipitation of calcium carbonate Figure 4 (Last & De Deckker, 1990).

5.6.2. MID-LATE HOLOCENE (5000 BP-PRESENT)

From 5000-2000 BP a high degree of variability is seen within all West Basin proxies. Variability included repeated shifts to high C/N and low $\delta^{13}\text{C}$ coupled with high Inc/Ti, high Ca/Ti, low Si/Ti and low Ti (Figure 3, Figure 7). One interpretation for the shift to low $\delta^{13}\text{C}$ and high C/N is an influx of ^{12}C rich terrestrial organic matter (Leng & Marshall, 2004). Following that logic, increased terrestrial matter would require a driver, such as enhanced catchment runoff, however, high Ti values are not concordant with these peaks. An alternative driver could be enhanced aquatic productivity. If the lake level at West Basin fell as conditions suggest after 7000 BP, sunlight can penetrate deeper into the lake and enhance algal productivity (relative to the size of the body), which facilitates rapid deposition of light ^{12}C carbon to the sediment (Cohen, 2003). This interpretation doesn't explain the high C/N values, however, previously published pollen data indicate an increased abundance of the aquatic macrophyte *Triglochin* (Gell *et al.*, 1994) which may account for the increased C/N. Alternatively, the low $\delta^{13}\text{C}$

organic matter may be a product of methanotrophic biomass (Heyng *et al.*, 2012), which can arise from enhanced stratification in a meromictic lake (Tylmann *et al.*, 2012). Both interpretations for low $\delta^{13}\text{C}$ favour a low lake level observed in this period, so it is possible for both processes to be acting simultaneously.

The variability at West Basin discussed for 5000-2000 BP suggests that dry conditions dominate the climate. However, the sharp perturbations observed in $\delta^{13}\text{C}$ and μXRF data (Figure 3, Figure 7) were not seen in $\delta^{18}\text{O}$. Furthermore, between 4000-2000 BP there were periods of below average $\delta^{18}\text{O}$ which suggest an increase in freshwater. Some variability may be masked by the smaller sampling frequency of $\delta^{18}\text{O}$ during this time. Alternatively, there is potential for the $\delta^{18}\text{O}$ of precipitation at West Basin to fluctuate across the Holocene as a consequence of gradual oceanic $\delta^{18}\text{O}$ depletion or changes in weather types and trajectories (Treble *et al.*, 2005; P. J. Polissar *et al.*, 2006). High-resolution changes to lake hydrology are expected at West Basin during this time, as recorded in the highly variable sedimentology of unit 2 (5171-2687 BP). Thus, although the $\delta^{18}\text{O}$ data may be less transparent, it suggests West Basin hydrology experienced an altogether less stable climate, relative to the early Holocene, with multiple and frequent arid events causing a disruption to lake water equilibrium.

There was contrasting proxy signals between 2500-1500 BP including low $\delta^{18}\text{O}$ at a time of below mean Ti, low variable $\delta^{13}\text{C}$ and variable $\delta^{15}\text{N}$ (Figure 3, Figure 7). The contrast makes it difficult to confidently assign a positive or negative P/E ratio. The $\delta^{18}\text{O}$ is missing one data point at ~2100 BP due to a systematic error, which may mask some variability through the 2000-3000 BP period. From 1500 BP to Present, however,

the less variable nature of the proxy data are interpreted as a return to equilibrium conditions similar to those seen in the early-mid Holocene.

5.7. Regional Comparison

The regional climate of south-eastern Australia has been investigated in a number of papers in recent years (Bowler & Hamada, 1971; Gell *et al.*, 1994; Gingele *et al.*, 2007; Marx *et al.*, 2009; Ummenhofer *et al.*, 2009; Quigley *et al.*, 2010; Kemp *et al.*, 2011; Tibby *et al.*, 2012; Wilkins *et al.*, 2013; Tyler *et al.*, 2015). West Basin Lake adds to these because it is the only meromictic lake on mainland Australia, and as such may act as a palaeoclimate rain gauge which is sensitive to subtle hydroclimate changes, compared to the dramatic empty-full shifts observed in other regional lake basins (Timms, 1972; Last & De Deckker, 1990).

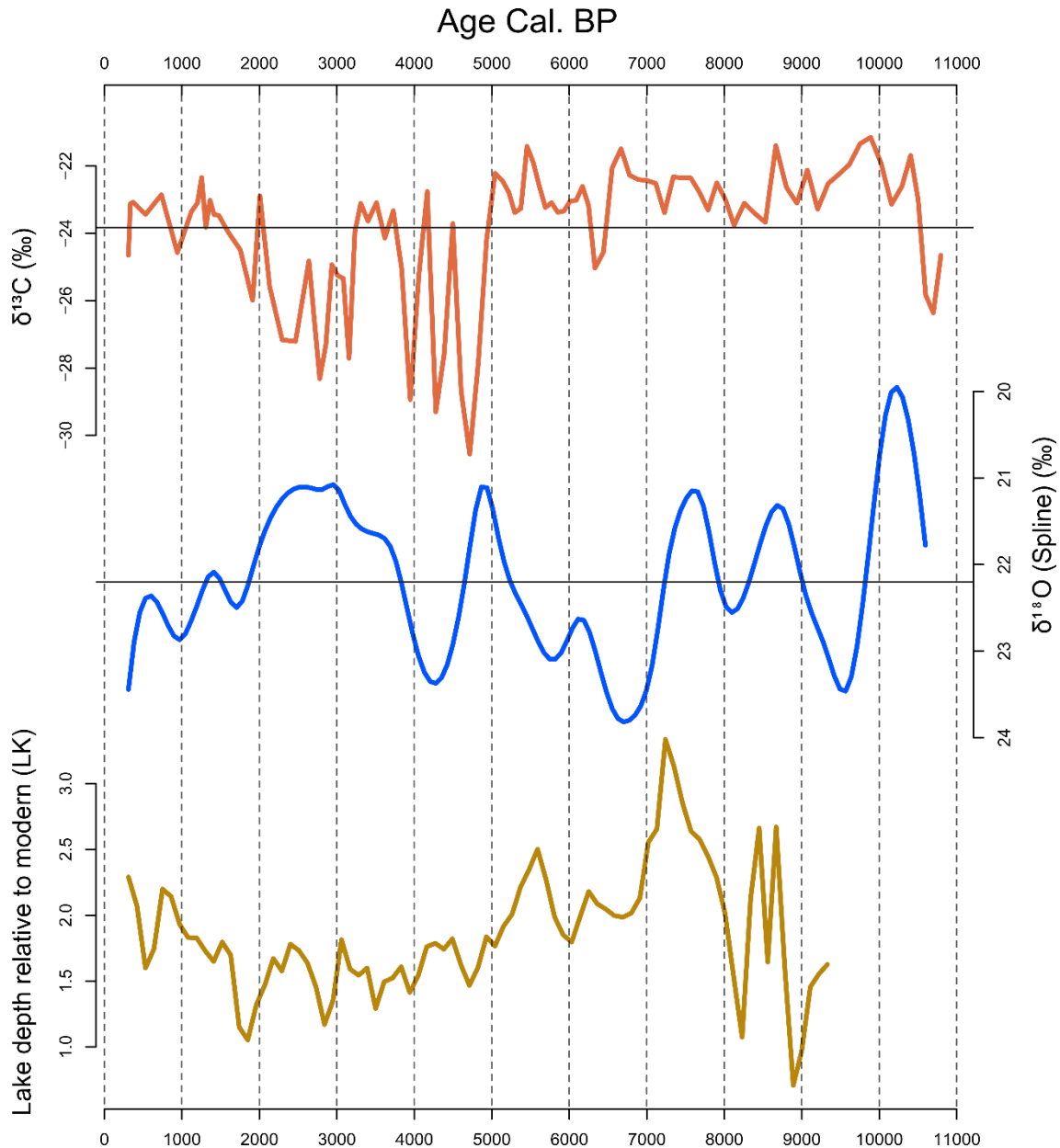


Figure 9: Top: West Basin $\delta^{13}\text{C}$, black horizontal line represents the mean. Middle: Smooth spline of West Basin $\delta^{18}\text{O}$ highlighting periods of below or above average $\delta^{18}\text{O}$, Note the x-axis is inverted so above the mean line (horizontal black line) average events are interpreted as positive P/E. Bottom: Lake Keilambete, Victoria lake-level reconstruction showing higher lake levels in the early Holocene.

Arguably the most famous record of hydrological change in Victoria is that from Lake Keilambete (LK) (Bowler & Hamada, 1971), updated by Wilkins *et al.*, (2013). The LK record is often used as a comparison for regional hydrological change, see (Kemp *et al.*, 2011; Gouramanis *et al.*, 2013; Tyler *et al.*, 2015) however, the West Basin $\delta^{18}\text{O}$ record

does not appear closely correlated (Figure 9). There are, however, some similarities between a low $\delta^{18}\text{O}$ at West Basin and times of high lake level at LK in the early Holocene. Specifically, the period 8900-8500 BP and 7900-7500 BP are in agreement, with both sites showing wetter conditions, although there does appear a time lag. The apparent time lag seen during the early Holocene is unlikely to be a response to regional spatial variability since only 50 km separates the two lakes. Alternatively, local groundwater recharge could experience different sensitivities as a response to climatic change, where an increase in groundwater flow into and out of a lake mutes the effect of changing climate upon that lake (Smith *et al.*, 1997). Nonetheless, the interpretation for a wetter 10795-7000 BP at West Basin is in broad agreement with low palaeosalinity from Jacka Lake, Victoria (Kemp *et al.*, 2011) and increasing illite transport by the Murray River and deposition in offshore marine sediments (Gingele *et al.*, 2007).

Beginning in the mid-late Holocene there is change to a drier and more variable climate in south-eastern Australia, however, the onset of change is asynchronous (Gouramanis *et al.*, 2013). At West Basin, the change to drier conditions occurs gradually from 7000 BP, which is still in good general agreement with falling lake levels at LK (Figure 9). The onset of drying is also supported by long-range dust transport patterns showing increased aridity in south-eastern Australia between 7800-4800 BP (Marx *et al.*, 2009).

Climate variability at West Basin is highest between 5000-2000 BP, seen by multiple perturbations in $\delta^{13}\text{C}$, Ca/Ti and Ti (Figure 3, Figure 7). Following the interpretation that meromixis leads to an equilibrium state of lake hydrology from 9000 BP to present, the rapid and long lived (>100 year in some cases) fluctuations to low $\delta^{13}\text{C}$ are

interpreted as significant dry events, potentially droughts, which cause hydrochemical change in the lake followed by subsequent re-equilibration to the pre-perturbed levels. Similar increased variability is recorded between 4000-2000 BP in tree ring records from Mt. Read, Tasmania (Cook *et al.*, 2000) and lake level changes at Blue Lake, South Australia (Gouramanis *et al.*, 2010). Interestingly the West Basin $\delta^{18}\text{O}$ doesn't show large variability between 4000-2000 BP. Specifically, the period 3000-2000 BP is expected to show multiple periods of increased $\delta^{18}\text{O}$ in line with $\delta^{13}\text{C}$ perturbations, but only records one at 2800 BP (Figure 7). There is high variability seen in other records through this time (Moros *et al.*, 2009; Kemp *et al.*, 2011; Wilkins *et al.*, 2013) suggesting that $\delta^{18}\text{O}$ at West Basin is not recording the highly variable nature of the climate at this time. Alternatively, this could be a feature of regional spatial heterogeneity discussed in other records (Gouramanis *et al.*, 2013; Tyler *et al.*, 2015).

The most recent Holocene (2000 BP-Present) shows overall less variability than from 5000-2000 BP. There is evidence for a wet period at 500 BP which is coeval with the Little Ice Age, and consistent with other Victorian lake records (Gingele *et al.*, 2007; Kemp *et al.*, 2011; Tyler *et al.*, 2015).

5.8. Potential Drivers for Climate Change

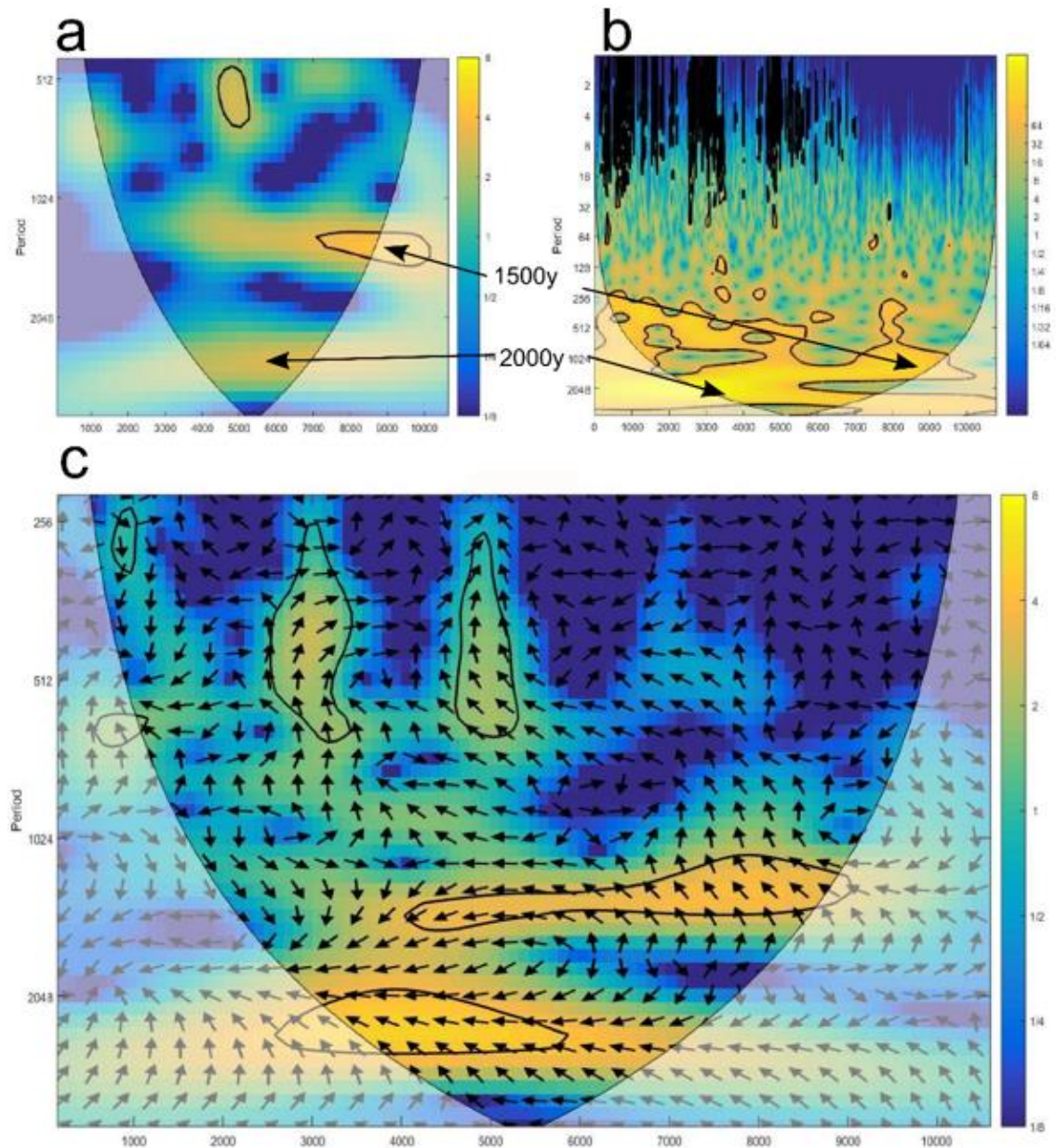


Figure 10: (a) CWT of cellulose $\delta^{18}\text{O}$. Areas above background significance are enclosed by dark rings. Power is indicated on the right hand side, with higher powered regions appearing yellow. There is a high power for a 1500 yr period existing between 10000-7000 BP. A persistent 2000 yr periodicity exists for most of the record, however is not above significance tests, so may be noise. Shaded areas to the right and left of the image are the Cone of Influence (COI) where edge effects in the data manipulation may cause errors. (b) CWT of Laguna Pallcacocha, Ecuador red intensity, a proxy for ENSO. There are 1500 yr early Holocene and 2000 yr late Holocene periodicities interpreted. (c) XWT of cellulose $\delta^{18}\text{O}$ (this study) and red intensity (Moy *et al.*, 2002). The time series shows excellent visual correlation with the CWT of Laguna Pallcacocha including the 1500 yr early Holocene and 2000 yr late Holocene periodicities. Arrows indicate sign of correlation, arrows pointing right: in phase, arrows pointing left: anti-phase, arrows up or down show a time lag of 90° .

Common climatic cyclicity is a feature in multiple global Holocene climate records (Bond *et al.*, 2001; Lamy *et al.*, 2001; Moy *et al.*, 2002; Gupta *et al.*, 2005). This gives good cause to suggest that Australian Holocene records should too record common periodicities at these timescales. However, it is often the case that Australian records lack the resolution to identify them and there is a need for more data (Gouramanis *et al.*, 2010). Continuous wavelet transformation (CWT) and cross-wavelet transformation (XWT) is one means to evaluate time series within or between data sets in order to locate periodicities with statistically high power (Grinsted *et al.*, 2004). CWT of $\delta^{18}\text{O}$ at West Basin (Figure 10a) shows a 1500 yr periodicity between 10000-7000 BP, while CWT of $\delta^{13}\text{C}$ (Figure 11a) shows a high powered periodicity of 2000 yr between 5000-3000 BP. These are in general agreement with other records from Australia including a 1567 yr period observed in Murray Canyon, South Australia (Moros *et al.*, 2009) and a 1500 yr cycle in Jacka Lake, Victoria (Kemp *et al.*, 2011). The interesting feature of the West Basin record is that the periodicity is not shared across the two proxies, suggesting that there may be an alternate mechanism driving the two signals.

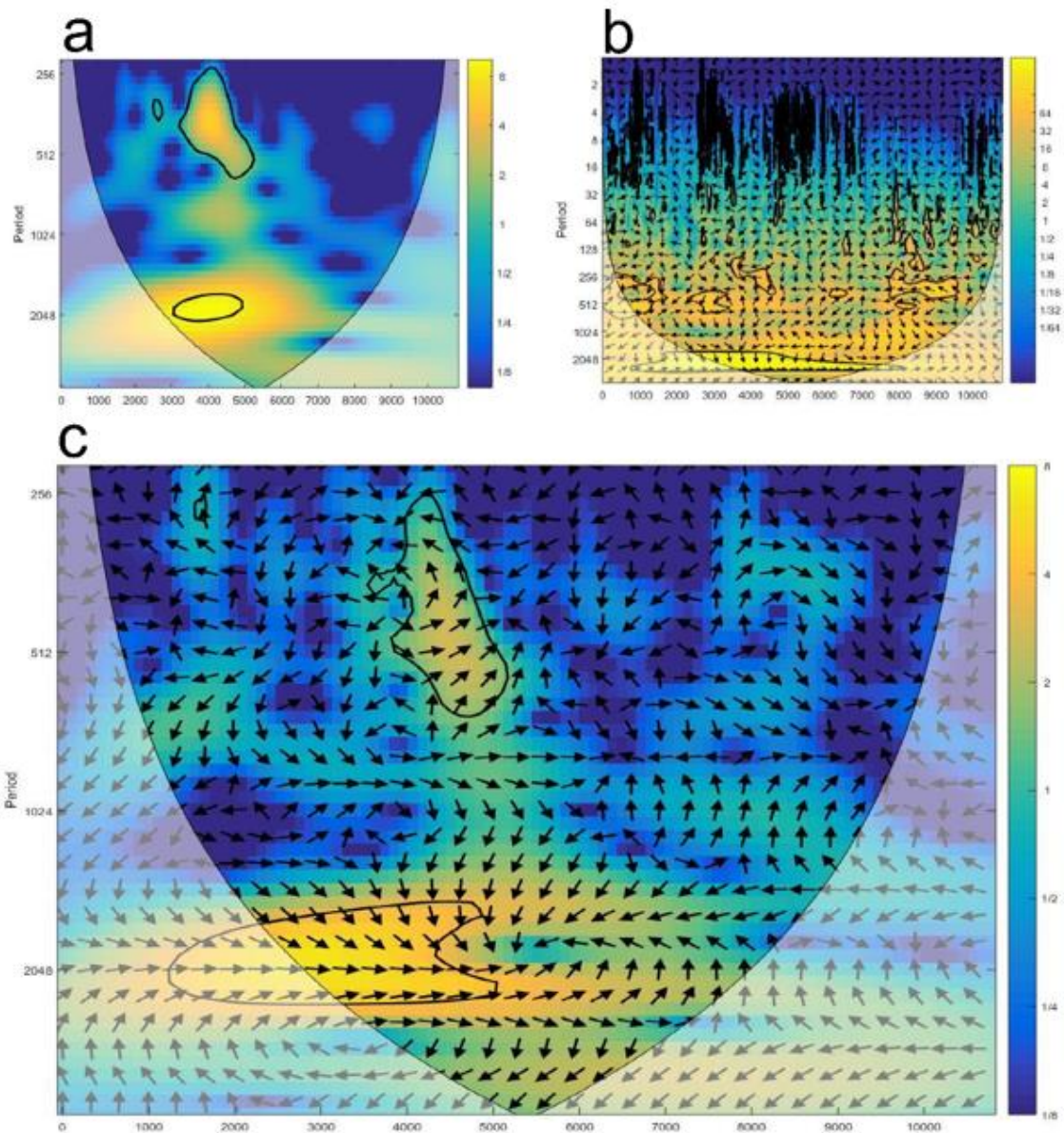


Figure 11: (a) CWT of West Basin $\delta^{13}C$ shows a 2000 yr periodicity most significant between 5000-3000 BP. (b) XWT of West Basin Ti and Laguna Pallcacocha, Ecuador red intensity (Moy *et al.*, 2002), ~2000 yr period shows shared periodicity, but there is time lag seen by the changing arrow directions. (c) XWT of West Basin $\delta^{13}C$ and Laguna Pallcacocha, Ecuador red intensity (Moy *et al.*, (2002) indicating a common 2000 yr periodicity between 2000-5000 BP, with continuous anti-phase relationship. Arrows pointing right: in phase, arrows pointing left: anti-phase, arrows up or down show a time lag of 90° . Shaded areas to the right and left of the image are the Cone of Influence (COI) where edge effects in the data manipulation may cause errors.

The El Niño Southern Oscillation is one proposed mechanism for the intensification of aridity seen in south-eastern Australia in the late Holocene (Donders *et al.*, 2007; Marx *et al.*, 2009). However, this interpretation relies on the assumption that the mechanisms

that drive inter-annual variability in the modern day Pacific region also drive climate variability over Holocene timescales. If this assumption is true, then low frequency south-eastern Australian and western South American climate variability should show a common, inverse signal. Other suggestions for the main drivers of aridity in eastern Australia include either a positive phase of Indian Ocean Dipole (IOD) (Ummenhofer *et al.*, 2009) or a synchronisation of positive IOD and ENSO interacting with the Southern Annular Mode (SAM) (Cleverly *et al.*, 2016). As such, determining if there is a link between cross Pacific records is a useful method to investigate the cause of regional and centennial climate variability.

$\delta^{13}\text{C}$ perturbations at West Basin, interpreted to represent arid events in the late Holocene appear to coincide with the increase in wet events in highly cited, ENSO-sensitive records from Ecuador and the Galapagos Islands (Figure 12, Figure 10b) (Moy *et al.*, 2002; Conroy *et al.*, 2008). XWT of West Basin $\delta^{13}\text{C}$ vs. red colour intensity (a measure of the frequency of flood laminations) at Laguna Pallcacocha, Ecuador show a 2000 yr periodicity that is in phase between 5000-1500 BP (Figure 11c). Given that negative $\delta^{13}\text{C}$ West Basin is interpreted to reflect arid phases, while red intensity at Laguna Pallcacocha reflects wet events, the XWT analysis implies ENSO is the driver for regional hydrology and operated synchronously at millennial timescales between both western South America and south-eastern Australia in the Pacific during 5000-1500 BP.

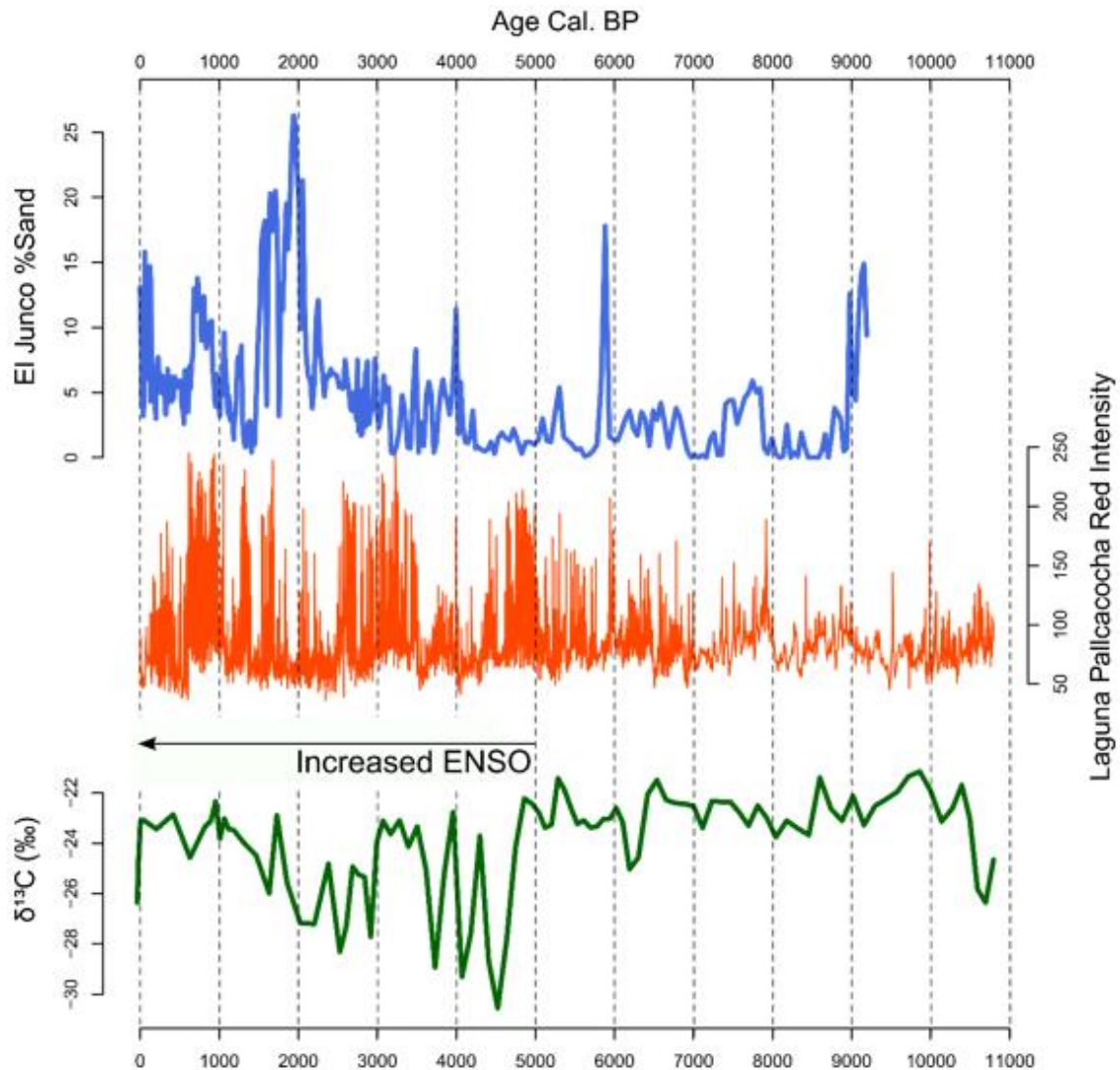


Figure 12: Top: Record of %Sand from El Junco Lake, Galapagos Islands representing increased rainfall and thus ENSO towards the late Holocene (Conroy *et al.*, (2008)). Middle: Laguna Pallcacocha, Ecuador red intensity representing increased rainfall and ENSO events from the mid-late Holocene (Moy *et al.*, (2002)). Bottom: West Basin $\delta^{13}\text{C}$ record with increased ENSO frequency occurring from 5000 BP-Present.

To help understand if there was millennial-scale periodicity observed throughout the whole Holocene XWT between $\delta^{18}\text{O}$ and red intensity was applied, revealing a common 1500 yr cycle between 8000-5000 BP and a 2000 yr cycle between 6000-3000 BP (Figure 10c). However, there was a moving phase relationship (black arrows in Figure 10c), which implies that the two signals may be acting independently (Grinsted *et al.*, 2004). To further investigate if the two signals are linked XWT was performed on Ti vs.

red intensity for Laguna Pallcacocha (Figure 10b). This follows the logic that Ti in West Basin represents enhanced precipitation and should show, in higher resolution, if a link exists with Laguna Pallcacocha. The results also show a moving phase relationship, which is further evidence that there is not a common climatic driver seen between West Basin and western South America between 10795-5000 BP.

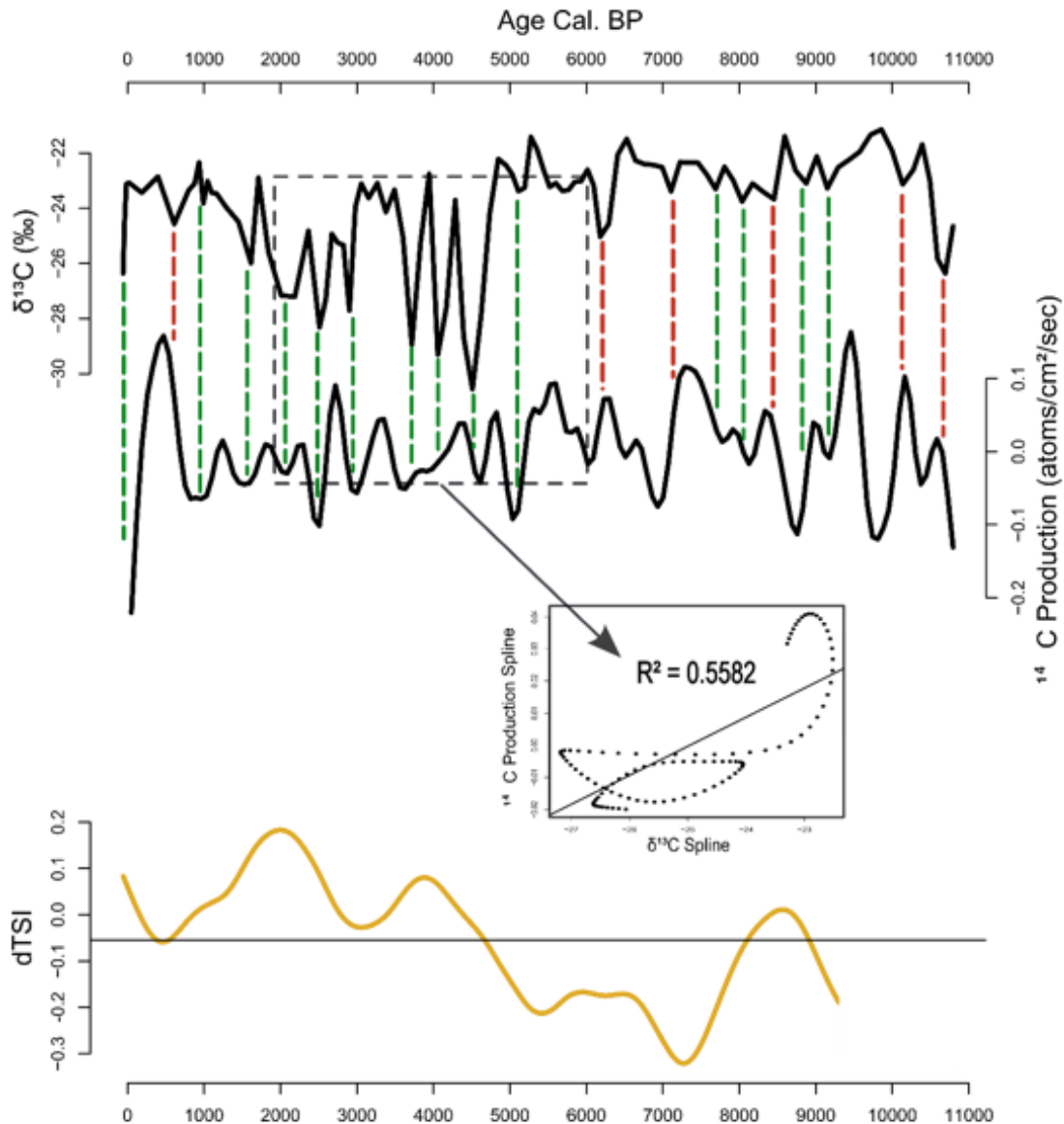


Figure 13: Top: West Basin $\delta^{13}\text{C}$, dashed vertical lines indicate where perturbations share a trough with Bond events (green) or are not correlated (red). Middle: Smoothed ^{14}C Production record from Bond *et al.*, (2001) representing increased total solar irradiance (troughs) or decreased total solar irradiance (peaks). Linear correlation is shown for the period 6000-2000 BP between $\delta^{13}\text{C}$ and Bond events. Bottom: Smoothed spline of Total Solar Irradiance recreated from Steinhilber *et al.*, (2008). Horizontal black line indicates mean Holocene TSI, and shows above average values seen from 5000 BP--1000 BP.

At Holocene timescales, changes in the total solar irradiance (TSI) have been shown to fluctuate semi-periodically (Figure 13) (Steinhilber *et al.*, 2009). Changes in TSI, although small in magnitude, are able to force global surface climate through the atmosphere's dynamic response to changes in stratospheric ozone and temperature (Bond *et al.*, 2001). These changes have been linked globally to climatic events in the Holocene and have shown a periodic nature of approximately 1500 yrs (Bond *et al.*, 2001; Mayewski *et al.*, 2004; Gupta *et al.*, 2005; Fucai *et al.*, 2014). A causal relationship between TSI and millennial-scale changes in Australian climate has been suggested by Kemp *et al.*, (2011) and Moros *et al.*, (2009). For West Basin, there is a good visual link between aridity and periods of high TSI, known as Bond-event minima (Figure 13). Furthermore, linear regression between $\delta^{13}\text{C}$ and Bond events (a proxy model for TSI across the Holocene), both modelled with a smooth spline for the period 6000-2000 BP at $\text{spar}=0.6$, gives an $R^2=0.5582$ (Figure 13). While this does not quantitatively link aridity to periods of increased TSI, partly due to chronological uncertainties introduced when manipulating a time series, it does suggest that there is some correlation. The implication being that increases in solar forcing seen between 5000-1500 BP (Figure 13) (Steinhilber *et al.*, 2009) had a role in the intensification of ENSO and thus climate in the Pacific. This leads to the suggestion that total mean TSI needs to increase above a certain threshold to force climate in the southern hemisphere to a mean state of ENSO, in turn initiating an inverse Pacific climate state. However, this suggestion that the absence of a common millennial periodicity linked to TSI in the early Holocene, may just be a limitation of the aridity proxy $\delta^{13}\text{C}$ to record a shared cyclicity at West Basin. Furthermore, there are potentially other external or internal forcing that could help drive the climate system over a threshold, possibly including the

increase in boreal summer (orbital forcing) (Caley *et al.*, 2011) and, thus, warrants further investigation.

6. CONCLUSIONS

The mineralogical, geochemical and isotopic signature from lake sediments at West Basin provide new insight into lake hydrological change and climate variability throughout the Holocene (10795 BP- Present). Importantly the combination of aquatic cellulose, bulk organic matter, sedimentology and μ XRF all coupled with an improved geochronological model from ^{14}C dating of pollen microfossils allow the identification of climate patterns over millennial and centennial timescales. The data suggest a wet early climate persisted from 10795-7000 BP, followed by a change to more arid conditions and the onset of lake level fall. A highly variable 5000-2000 BP was recorded through multiple $\delta^{13}\text{C}$ perturbations to low levels, interpreted as multi-centennial periods of high aridity and possibly drought. The statistical comparison of West Basin aridity to western South American rainfall using continuous and cross-wavelet transformation demonstrates a strong shared 2000 yr periodicity, supporting the interpretation that El Niño Southern Oscillation is the driver of millennial-scale climate in the Pacific between 6000-2000 BP. This is important because although ENSO is an established driver of interannual variability in the modern world, uncertainties remain concerning its role over longer timescales. As with other records, it is suggested that an increase in total solar irradiance in the late Holocene is the driver for the intensification of ENSO. The West Basin data strengthens this interpretation, and also suggests that centennial scale aridity in south-eastern Australia may be linked to Bond-cycle minima.

Therefore, this record is a useful addition to the understanding of the nature and frequency of Holocene climate in Australia and the southern hemisphere.

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APPENDIX A: EXTENDED METHODS

Core Sampling for C and N analysis

- Clean 1cm width spatula with soap, triple rinse with water and DI water, dry completely
- Place tape measure along previously split core with 0cm at start of core
- Scrape 1cm³ of sediment at 5cm down core
- Place wet sediment into a 2ml Eppendorf tube with screw cap
- Label tube with the core description and depth of measurement
- Rinse spatula in DI water, and dry with lint free paper
- Repeat this process each 5cm down entire length of core
- Place Eppendorf tubes, with caps tightened, in a tray in a freezer (-18°C)
- After 24 hours (or when frozen) place tray into freeze drier, unscrew caps a half turn to allow air into the tube
- Freeze dry at -50°C for 48 hours
- Clean a set of tweezers with soap, triple rinse with water and DI water, dry completely
- To each tube add 2 clean and dry ball bearings using the tweezers, replace caps and tighten
- Ball mill the samples for 30s at 300Hz
- After ball milling, use a magnet on the outside of each tube to attract the ball-bearings and remove these to be washed
- store tubes out of direct sunlight, at room temperature

N Analysis

- transfer approximately 5mg of dried homogenised sediment from the 2ml tube into a new 1.5ml Eppendorf tube and label the new tube
- repeat for all samples
- Using a microbalance, place a pressed Eurovector 5x9mm tin capsule and tare the weight
- Remove the tin capsule with clean and dry tweezers
- Weigh 1mg of dried sediment into the tin capsule and record exact weight on a run sheet
- Crimp the tin capsule into a cube to remove any trapped air
- Place the tin into a plastic tray
- Repeat this for each of the 96 samples, dry wiping the spatula between each tube with a lint free cloth
- Take an additional 12 repeat samples after approximately each 10 tubes and place these at the end of the run
- In addition weigh standards of 1.2mg glycine, 0.5mg glycine, 0.2mg glycine, 0.1mg glycine, 0.05mg glycine, 0.5mg glutamic acid, 0.25mg USGS-41 at the start and end of each run
- In addition weigh glycine 0.5mg standard each 10 samples
- Prior to analysis store tray in 40°C oven with lid sealed

C Analysis

- Methods are the same as for N analysis, with 1 difference:
- Use eurovector 5x9mm silver capsule
- After weighing samples C require acid fumigation (see below)

- After acid fumigation place fumigated silver capsule into a Eurovector 5x9mm tin capsule, and crimp into a cube to remove any trapped air
- Prior to analysis store tray in 40°C oven with lid sealed

Acid Fumigation

- Place 96 samples, and repeat samples into a plastic tray
- Fill bottom of desiccator with 12M HCl
- Remove the lid from the sample tray, place tray on platform in desiccator
- Seal desiccator
- Leave for 4 hours and then remove
- Place fumigated samples into 40°C oven for 48 hours
- Place fumigated, dried samples into Eurovector 5x9mm tin capsules and crimp
- Prior to analysis store tray in 40°C oven with lid sealed

Stratigraphic Log

- Core images each 15cm with ruler alongside and label of depth
- Load images on computer screen
- Firstly define laminations present: 0-3mm = thin, 3-10mm = thick
- Secondly define bedding: 1-3cm = very thin, 3-10cm = thin, 10-30cm medium
- Thirdly using Munsell Soil Colour Charts assign colour changes in the core
- Due to variable core colour, assign colours that can cover a small spectrum and continue using these throughout description
- Munsell colour chart can be downloaded as a free app for android or IOS
- Finally make note of any prominent features within the section eg. faulting, gaps, other distinguishing features
- Note major changes in the above and define stratigraphic units
- Record all data in an excel spreadsheet

Cellulose Extraction

- Clean 1cm width spatula with soap, triple rinse with water and DI water, dry completely
- Place tape measure along previously split core with 0cm at start of core
- Scrape 10cm³ of sediment at 20cm down core
- Place wet sediment into a 50ml Centrifuge tube
- Label tube with the core description and depth of measurement
- Rinse spatula in DI water, and dry with lint free paper
- Repeat this process each 20cm down entire length of core
- Add 30ml of Sodium hexametaphosphate (10%) to centrifuge tube
- place tubes on a hotplate at 50°C for 60 minutes to break up clay
- place a cleaned, dried glass funnel into the top of a 1 litre measuring cylinder
- hold a 250µm sieve over the funnel and pour contents of centrifuge tube into the sieve
- using a squeeze bottle with DI water, rinse sediment and aid through the sieve
- once complete store coarse fraction in new 50ml centrifuge tube, label and store in freezer -18°C
- Remove glass funnel and cover the cylinder with alfoil and store out of direct sunlight at room temperature
- Leave for 72 hours to settle sediment
- Decant water from settled sediment and transfer sediment into a new 50ml centrifuge tube

- Fill the centrifuge tubes to 50ml with DI water and centrifuge for 5 mins at 4000rpm
- decant water and using pipette
- Mix 450ml NaClO₂ (30%) + 1550ml DI water, then add 20ml Acetic Acid (96%)
- Add 40ml of NaClO₂ solution into each centrifuge tube, leave lid half open
- Place tubes onto heat plate 60°C for 10 hours
- After 10 hours centrifuge tubes for 5 mins at 4000rpm
- Decant supernatant for disposal
- heat 2L of DI water on a hotplate to 70°C
- Using 10ml pipette, add 40ml of the DI water, ensuring the pellet is disturbed from the base of the tube
- Centrifuge for 5 min at 4000rpm
- Repeat rinse and centrifuge three (3) times
- Decant supernatant for disposal
- Freeze centrifuge tubes at -18°C for 24 hours, then place in freeze drier -50°C for 48 hours, ensuring cap is half screwed
- Add 30ml cuprammonium solution to each tube and place on stirrer for 6 hours
- After 6 hours, remove and allow to stand for a further 10 hours
- After 10 hours centrifuge for 25 mins at 4000 rpm
- Decant supernatant into a new labelled 50ml centrifuge tube
- Add 3ml H₂SO₄ (20%) and fill to top with DI water, shake and let sit for 20 min
- Centrifuge for 25 mins at 4000rpm, decant supernatant to waste
- Add 3ml H₂SO₄ (20%) to dissolve the blue pellet, sit for 5 mins
- Fill with cold DI water, centrifuge for 25 mins at 4000 rpm, decant water for disposal
- Repeat three (3) times
- Using 3ml pipette transfer the cellulose only to a 1.5ml new, labelled Eppendorf tube
- Centrifuge the 1.5ml Eppendorf tube using microcentrifuge for 30s at 3000rpm
- Freeze the tube for 12 hours, and freeze dry at -50°C for 24 hours
- 2mg cellulose

- Using a microbalance, place a pressed Eurovector 5x9mm tin capsule and tare the weight
- Remove the tin capsule with clean and dry tweezers
- Weigh 1mg of dried sediment into the tin capsule and record exact weight on a run sheet
- Crimp the tin capsule into a cube to remove any trapped air
- Place the tin into a plastic tray
- Repeat this for each of the 20 samples, dry wiping the spatula between each tube with a lint free cloth
- Take an additional 4 repeat samples after approximately each 5 tubes and place these at the end of the run
- In addition weigh standards of 1.2mg glycine, 0.5mg glycine, 0.2mg glycine, 0.1mg glycine, 0.05mg glycine, 0.5mg glutamic acid, 0.25mg TPA at the start and end of each run
- In addition weigh glycine 0.5mg standard each 10 samples

- Prior to analysis store tray in 40°C oven with lid sealed
- For filtering experiment:
- After step: Add 30ml cuprammonium solution to each tube and place on stirrer for 6 hours
- Using 5ml pipette transfer ~25ml each into 2 new labelled centrifuge tubes
- Add 3ml H₂SO₄ (20%) and fill to top with DI water, shake and let sit for 20 min
- decant one tubes contents solution through a small ashed glass funnel with silica based filter paper in funnel
- complete rest of experiment as per above

O Analysis

- Using a microbalance, place a pressed Eurovector 5x9mm silver capsule and tare the weight
- Remove the tin capsule with clean and dry tweezers
- Weigh 0.2mg of dried sediment into the silver capsule and record exact weight on a run sheet
- Crimp the silver capsule into a cube to remove any trapped air
- Place the silver into a plastic tray
- Repeat this for each of the 47 samples, dry wiping the spatula between each tube with a lint free cloth
- Take an additional 9 repeat samples after approximately each 10 tubes and place these at the end of the run
- In addition weigh standards of 1.2mg PET, 0.5mg PET, 0.2mg PET, 0.1mg PET, 0.05mg PET, 0.5mg N3, 0.25mg NBS127, 9 cell-2015 cellulose samples at the start and end of each run
- In addition weigh PET 0.5mg standard each 10 samples
- Prior to analysis store tray in 40°C oven with lid sealed

Radiocarbon dating

- Clean 1cm width spatula with soap, triple rinse with water and DI water, dry completely
- Place tape measure along previously split core with 0cm at start of core
- Scrape 6cm³ of sediment at 172-174cm down core
- Place wet sediment into a 50ml Centrifuge tube
- Label tube with the core description and depth of measurement
- Rinse spatula in DI water, and dry with lint free paper
- Repeat this process at depths 252-254cm, 332-334cm, 412-414cm, 494-496cm
- Freeze centrifuge tubes at -18°C for 24 hours
- Freeze dry centrifuge tubes, with lids half turned at -50°C for 72 hours
- Seal caps, wrap in bubble wrap, place in individual snap lock bags, seal
- Place in courier transport bag and send to The University of Wollongong
- Senior lecturer Dr Samuel Marx performed pollen extraction from the sediments
- Pollen was sent to The University of Waikato Radiocarbon Dating Laboratory for analysis

FTIR

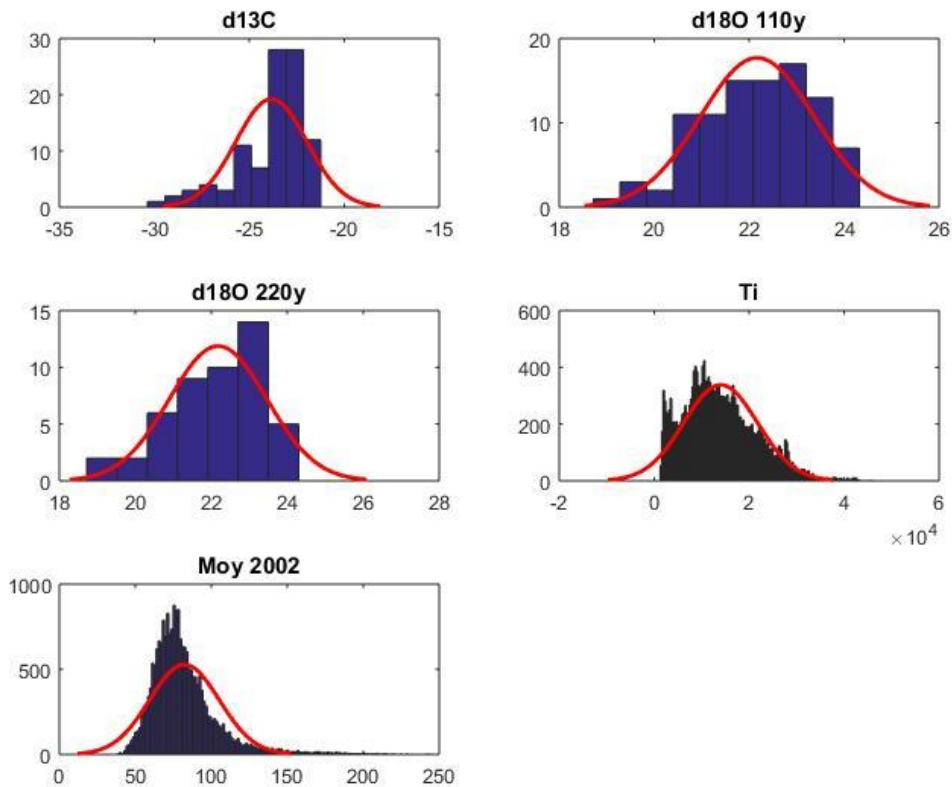
- Run background scan
- Set up start 4000, end 650 (instrument capabilities)
- Clean tip of FTIR analyser and sample disk with isopropanol

- Place approximately 1mg of cellulose onto disk
- Twist force gauge to 100
- Run scan
- Save file as .ASC

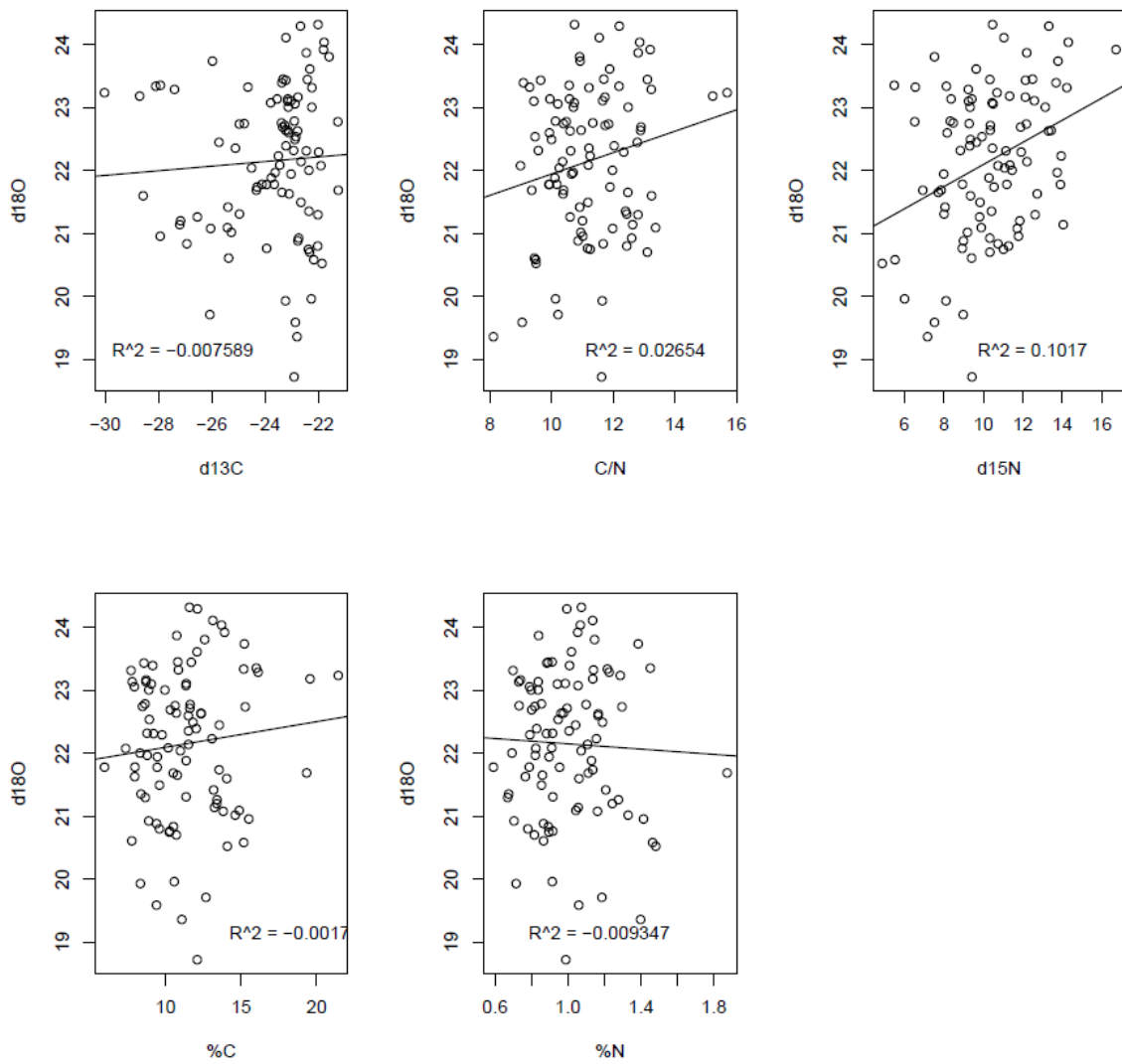
Wavelet Analysis

- Save time series data as a txt file with no header
- If using XWT, ensure two time series for comparison are on same time step
- May need to interpolate data to have same time step
- Interpolation can be performed in R
- Load txt files into MatLab
- Check if time series has standard distribution using histfit function
- Load code from Grinsted et al. (2004)
- Save images “Main Text 1” Single spaced, left adjust, 12 pt, Times New Roman

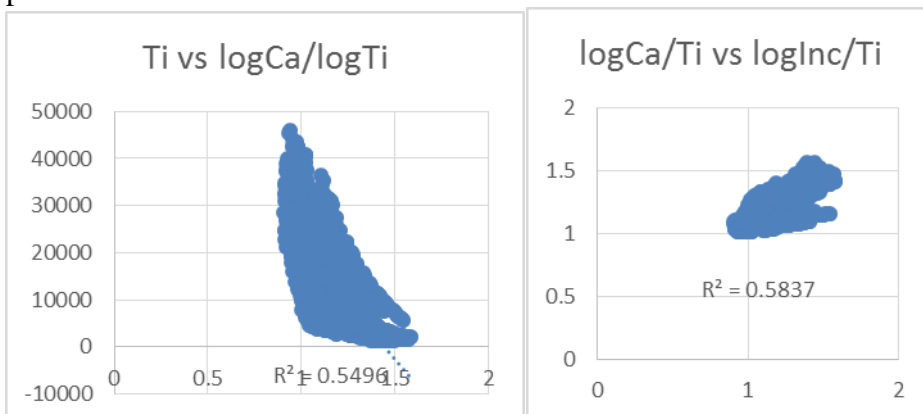
APPENDIX B: WAVELETS AND REGRESSION DATA



Histogram plots of time series data required for Matlab wavelet analysis. Red lines represent Gaussian distribution. Each data set is roughly Gaussian, indicating further manipulation is not required.



Linear regression models showing $\delta^{18}\text{O}$ vs other isotope proxies. R^2 values are indicated on each plot. There was no statistically significant relationship between $\delta^{18}\text{O}$ and other proxies.



Linear regression for ITRAX μXRF subset showing statistical relationship observed between Ti and Ca/Ti as well as Ca/Ti vs Inc/Ti.

APPENDIX C: TABULATED ISOTOPE, ITRAX AND FTIR DATA

sample	d18O	err
19	23.68	0.24
28	21.56	0.24
39	24.46	0.24
49	21.66	0.24
59	23.18	0.24
69	20.75	0.24
79	23.76	0.24
79	24.01	0.24
89	21.32	0.24
110	20.94	0.24
119	20.75	0.24
149	22.42	0.24
162	19.08	0.24
169	22.77	0.24
179	21.57	0.24
188	21.85	0.24
198	21.15	0.24
209	23.09	0.24
227	23.31	0.24
249	18.35	0.24
259	23.23	0.24
259	23.19	0.24
269	22.53	0.24
279	22.00	0.24
289	23.18	0.24
289	22.68	0.24
299	23.39	0.24
309	23.45	0.24
318	23.09	0.24
329	21.47	0.24
339	23.21	0.24
349	24.21	0.24
359	23.46	0.24
359	23.32	0.24
371	24.40	0.24
379	20.66	0.24
389	22.04	0.24
398	19.83	0.24
409	23.43	0.24
420	22.84	0.24
420	22.46	0.24

429	21.76	0.24								
439	20.49	0.24								
449	23.18	0.24								
459	22.00	0.24								
469	24.58	0.24								
478	22.19	0.24								
488	19.25	0.24								
499	20.21	0.24								
509	22.22	0.24								
509	22.86	0.24								
run	acid?	sample	d15N	err	d13C	err	%N	err	%C	err
17201	y	0	9.34	0.07	-26.36	0.06	0.93	0.04	9.42	0.40
17201	y	5	9.44	0.07	-25.01	0.06	0.78	0.03	7.56	0.33
17201	y	10	10.03	0.07	-23.35	0.06	0.54	0.02	5.11	0.22
17201	y	15	10.26	0.07	-22.85	0.06	0.58	0.02	5.60	0.24
17201	y	20	9.17	0.06	-23.69	0.06	0.58	0.02	5.33	0.23
17201	y	25	9.18	0.07	-22.54	0.06	1.26	0.05	11.31	0.49
17201	y	30	11.56	0.08	-24.59	0.06	1.24	0.05	11.34	0.49
17201	y	35	10.55	0.07	-23.41	0.06	1.08	0.04	10.84	0.47
17201	y	40	12.75	0.08	-23.41	0.06	1.52	0.06	14.55	0.63
17201	y	45	11.98	0.08	-22.05	0.06	1.34	0.05	12.51	0.54
17201	y	50	14.96	0.09	-23.86	0.06	1.21	0.05	12.38	0.53
17201	y	55	12.12	0.08	-23.02	0.06	1.26	0.05	12.59	0.54
17201	y	60	15.30	0.09	-23.45	0.06	1.14	0.05	11.88	0.51
17201	y	65	15.49	0.09	-23.30	0.06	1.36	0.05	13.96	0.60
17201	y	70	9.79	0.07	-24.11	0.06	0.95	0.04	9.88	0.42
17201	y	75	10.54	0.07	-23.82	0.06	1.42	0.06	14.40	0.62
17201	y	80	14.69	0.09	-26.59	0.06	1.51	0.06	16.13	0.69
17201	y	85	9.10	0.06	-22.82	0.06	1.18	0.05	11.41	0.49
17201	y	90	8.40	0.06	-25.13	0.06	1.30	0.05	12.98	0.56
17201	y	95	9.61	0.07	-26.73	0.06	1.39	0.06	13.94	0.60
17201	y	95	9.67	0.07	-26.76	0.06	1.27	0.05	13.21	0.57
17201	y	100	15.32	0.09	-27.86	0.06	1.10	0.04	13.12	0.56
17201	y	105	9.36	0.07	-24.53	0.06	1.35	0.05	14.11	0.61
17201	y	110	12.19	0.08	-27.74	0.06	1.48	0.06	15.63	0.67
17201	y	115	12.01	0.08	-28.25	0.06	1.18	0.05	12.79	0.55
17201	y	120	9.22	0.07	-24.37	0.06	0.65	0.03	6.71	0.29
17201	y	150	11.17	0.07	-26.61	0.06	1.47	0.06	15.69	0.67
17201	y	155	11.32	0.07	-23.67	0.06	0.75	0.03	7.67	0.33
17201	y	160	8.98	0.06	-27.72	0.06	0.98	0.04	10.65	0.46
17201	y	170	8.74	0.06	-22.62	0.06	1.14	0.05	11.66	0.50
17201	y	170	8.67	0.06	-22.62	0.06	1.09	0.04	11.32	0.49
17201	y	175	14.13	0.09	-23.92	0.06	0.90	0.04	9.27	0.40
17201	y	180	13.24	0.08	-23.02	0.06	0.82	0.03	8.48	0.36

17201	y	185	11.05	0.07	-23.64	0.06	0.75	0.03	7.59	0.33
17201	y	190	6.93	0.06	-24.09	0.06	0.84	0.03	9.17	0.39
17201	y	195	9.06	0.06	-23.21	0.06	0.98	0.04	11.94	0.51
17201	y	200	7.78	0.06	-27.56	0.06	1.10	0.04	11.55	0.50
17201	y	205	11.70	0.08	-28.34	0.06	1.29	0.05	16.68	0.72
17201	y	205	11.51	0.08	-28.43	0.06	1.17	0.05	15.78	0.68
17201	y	210	9.43	0.07	-22.32	0.06	0.86	0.03	9.21	0.40
17201	y	215	9.52	0.07	-25.68	0.06	0.91	0.04	10.47	0.45
17201	y	220	9.67	0.07	-30.66	0.06	1.32	0.05	20.44	0.88
17201	y	225	10.34	0.07	-23.43	0.06	0.76	0.03	8.78	0.38
17201	y	230	11.01	0.07	-26.62	0.06	1.10	0.04	14.52	0.62
17201	y	235	10.83	0.07	-30.52	0.06	1.47	0.06	22.21	0.96
17201	y	235	11.05	0.07	-30.65	0.06	1.44	0.06	22.63	0.97
17201	y	245	10.69	0.07	-25.54	0.06	1.17	0.05	14.75	0.63
17201	y	255	12.19	0.08	-22.07	0.06	1.05	0.04	10.62	0.46
17201	y	260	11.28	0.07	-22.91	0.06	0.69	0.03	8.65	0.37
17201	y	265	13.01	0.08	-22.74	0.06	0.84	0.03	9.38	0.40
17201	y	270	12.40	0.08	-24.02	0.06	0.86	0.03	10.76	0.46
17301	y	275	13.03	0.20	-21.71	0.12	0.88	0.05	10.34	0.25
17301	y	280	11.46	0.20	-21.72	0.12	0.73	0.04	7.66	0.18
17301	y	285	10.57	0.20	-22.17	0.12	0.72	0.04	7.80	0.19
17301	y	290	10.19	0.20	-23.17	0.12	0.83	0.05	9.46	0.23
17301	y	295	12.00	0.20	-23.11	0.12	0.77	0.04	9.10	0.22
17301	y	300	16.43	0.20	-23.21	0.12	0.78	0.04	8.54	0.20
17301	y	305	9.97	0.20	-23.49	0.12	0.81	0.05	9.63	0.23
17301	y	310	15.93	0.20	-23.06	0.12	0.57	0.03	7.34	0.18
17301	y	315	13.17	0.20	-23.10	0.12	0.88	0.05	11.46	0.28
17301	y	325	12.98	0.20	-22.68	0.12	0.78	0.04	11.96	0.29
17301	y	330	19.70	0.20			0.79	0.04	8.81	0.21
17301	y	330	18.74	0.20	-22.82	0.12	0.83	0.05	10.37	0.25
17301	y	335	11.06	0.20	-24.78	0.12	0.79	0.04	8.92	0.21
17301	y	340	8.91	0.20	-24.97	0.12	0.64	0.04	7.90	0.19
17301	y	345	16.07	0.20	-22.49	0.12	0.89	0.05	12.16	0.29
17301	y	350	18.02	0.20	-21.37	0.12	1.08	0.06	15.31	0.37
17301	y	355	10.53	0.20	-22.20	0.12	1.00	0.06	11.94	0.29
17301	y	360	10.44	0.20	-22.35	0.12	0.93	0.05	12.74	0.31
17301	y	365	11.34	0.20	-22.52	0.12	0.75	0.04	10.13	0.24
17301	y	370	14.73	0.20	-22.29	0.12	0.95	0.05	12.03	0.29
17301	y	375	11.87	0.20	-23.45	0.12	0.95	0.05	11.79	0.28
17301	y	380	11.55	0.20	-22.29	0.12	0.86	0.05	11.59	0.28
17301	y	380	10.97	0.20	-22.51	0.12	0.86	0.05	11.08	0.27
17301	y	385	11.17	0.20	-22.33	0.12	0.67	0.04	8.76	0.21
17301	y	390	11.99	0.20	-22.36	0.12	0.66	0.04	7.99	0.19
17301	y	395	10.94	0.20	-22.58	0.12	0.76	0.04	9.22	0.22

17301	y	400	9.19	0.20	-23.39	0.12	0.63	0.04	7.90	0.19
17301	y	405	11.02	0.20	-22.60	0.12	0.85	0.05	10.01	0.24
17301	y	410	11.31	0.20	-22.76	0.12	0.75	0.04	7.86	0.19
17301	y	415	11.12	0.20	-23.72	0.12	0.63	0.04	7.15	0.17
17301	y	415	11.15	0.20	-23.83	0.12	0.64	0.04	7.28	0.17
17301	y	425	12.26	0.20	-23.11	0.12	1.08	0.06	12.52	0.30
17301	y	430	13.00	0.20	-24.08	0.12	0.54	0.03	5.48	0.13
17301	y	435	13.31	0.20			0.76	0.04	9.19	0.22
17301	y	445	8.10	0.20	-23.38	0.12	0.80	0.04	8.94	0.21
17301	y	450	9.05	0.20	-21.95	0.12	0.91	0.05	10.67	0.26
17301	y	455	7.13	0.20	-23.27	0.12	0.75	0.04	7.54	0.18
17301	y	455	7.17	0.20	-23.34	0.12	0.73	0.04	7.30	0.18
17301	y	460	6.88	0.20	-22.66	0.12	1.03	0.06	10.13	0.24
17301	y	465	11.41	0.20	-22.27	0.12	0.74	0.04	7.31	0.18
17301	y	470	10.17	0.20	-22.06	0.12	1.01	0.06	11.46	0.28
17301	y	475	5.00	0.06	-21.44	0.12	1.15	0.06	13.69	0.33
17301	y	480	6.87	0.20	-21.13	0.12	0.82	0.05	9.00	0.22
17301	y	485	4.87	0.06	-21.61	0.12	1.29	0.07	14.59	0.35
17301	y	490	8.77	0.06	-23.05	0.12	1.03	0.06	10.67	0.26
17301	y	490	8.57	0.20	-23.21	0.12	1.05	0.06	10.51	0.25
17301	y	495	7.45	0.20	-22.83	0.12	0.82	0.05	8.60	0.21
17301	y	505	6.69	0.06	-22.41	0.12	1.89	0.11	17.55	0.42
17301	y	510	7.49	0.06	-25.51	0.12	1.84	0.10	20.49	0.49
17301	y	515	8.19	0.06	-24.88	0.12	1.43	0.08	16.67	0.40
17701	n	0	8.78	0.05	-19.23	0.06	0.90	0.02	12.75	0.52
17701	n	5	10.73	0.05	-17.27	0.06	0.78	0.02	11.00	0.45
17701	n	10	9.73	0.05	-14.29	0.06	0.57	0.01	8.40	0.34
17701	n	15	9.45	0.05	-18.85	0.06	0.61	0.01	6.97	0.29
17701	n	20	9.40	0.05	-21.08	0.06	0.61	0.01	5.97	0.24
17701	n	25	8.86	0.05	-20.33	0.06	1.15	0.03	12.21	0.50
17701	n	30	11.28	0.05	-22.97	0.06	1.11	0.03	12.06	0.49
17701	n	35	9.84	0.05	-22.69	0.06	1.02	0.02	11.45	0.47
17701	n	40	11.80	0.05	-20.36	0.06	1.19	0.03	14.99	0.61
17701	n	45	12.01	0.05	-20.66	0.06	1.22	0.03	13.66	0.56
17701	n	50	15.12	0.05	-21.31	0.06	1.11	0.03	13.72	0.56
17701	n	55	12.66	0.05	-22.72	0.06	0.92	0.02	9.61	0.39
17701	n	60	14.72	0.05	-21.54	0.06	1.02	0.02	11.66	0.48
17701	n	65	15.39	0.05	-22.45	0.06	1.23	0.03	14.37	0.59
17701	n	70	9.37	0.05	-23.46	0.06	0.90	0.02	11.04	0.45
17701	n	75	10.22	0.05	-22.89	0.06	1.18	0.03	13.76	0.56
17701	n	80	14.62	0.05	-25.52	0.06	1.41	0.03	16.67	0.68
17701	n	85	8.71	0.05	-21.69	0.06	1.20	0.03	12.89	0.53
17701	n	90	8.05	0.05	-24.13	0.06	1.15	0.03	13.61	0.56
17701	n	95	9.46	0.05	-22.54	0.06	1.38	0.03	17.83	0.73

17701	n	100	15.49	0.05	-20.38	0.06	1.01	0.02	17.79	0.73
17701	n	105	8.80	0.05	-23.47	0.06	1.25	0.03	14.28	0.59
17701	n	110	11.66	0.05	-24.68	0.06	1.45	0.03	18.06	0.74
17701	n	115	11.68	0.05	-23.87	0.06	1.08	0.03	15.22	0.62
17701	n	120	9.04	0.05	-21.61	0.06	0.60	0.01	6.94	0.28
17701	n	150	11.05	0.05	-25.48	0.06	1.34	0.03	16.86	0.69
17701	n	155	11.57	0.05	-20.49	0.06	0.74	0.02	9.35	0.38
17701	n	155	8.97	0.05	-20.52	0.06	0.79	0.02	8.79	0.36
17701	n	160	9.08	0.05	-26.36	0.06	1.15	0.03	14.30	0.59
17701	n	165	9.46	0.05	-24.10	0.06	1.19	0.03	17.04	0.70
17701	n	170	8.13	0.05	-20.69	0.06	1.04	0.02	12.41	0.51
17701	n	175	13.46	0.05	-21.56	0.06	0.87	0.02	10.02	0.41
17701	n	180	13.04	0.05	-21.71	0.06	0.79	0.02	8.51	0.35
17701	n	185	11.66	0.05	-22.56	0.06	0.76	0.02	7.66	0.31
17701	n	190	6.72	0.05	-22.20	0.06	0.83	0.02	8.95	0.37
17701	n	195	8.96	0.05	-21.62	0.06	0.89	0.02	12.87	0.53
17701	n	200	7.38	0.05	-25.77	0.06	0.98	0.02	12.43	0.51
17701	n	205	11.45	0.05	-24.43	0.06	1.13	0.03	18.79	0.77
17701	n	205	11.09	0.05	-24.43	0.06	1.11	0.03	19.53	0.80
17701	n	210	7.57	0.05	-18.43	0.06	0.89	0.02	11.06	0.45
17701	n	215	9.17	0.05	-24.13	0.06	0.92	0.02	11.46	0.47
17701	n	220	5.86	0.05	-29.24	0.06	1.63	0.04	22.13	0.91
17701	n	225	5.26	0.05	-19.44	0.06	1.13	0.03	9.90	0.41
17701	n	230	9.42	0.05	-24.37	0.06	1.13	0.03	15.96	0.65
17701	n	235	10.16	0.05	-29.13	0.06	1.40	0.03	24.20	0.99
17701	n	240	11.88	0.05	-22.99	0.06	1.09	0.03	17.62	0.72
17701	n	245	10.15	0.05	-22.44	0.06	1.09	0.03	17.58	0.72
17701	n	250	8.66	0.05	-27.20	0.06	0.95	0.02	18.81	0.77
17701	n	255	11.46	0.05	-17.52	0.06	0.97	0.02	13.48	0.55
17701	n	255	11.20	0.05	-17.38	0.06	0.96	0.02	13.06	0.54
17701	n	260	11.82	0.05	-17.81	0.06	0.73	0.02	10.75	0.44
17701	n	265	12.37	0.05	-16.44	0.06	0.80	0.02	12.96	0.53
17701	n	270	11.52	0.05	-17.52	0.06	0.79	0.02	13.37	0.55
17701	n	275	12.04	0.05	-18.24	0.06	0.79	0.02	10.87	0.45
18901	n	280	11.54	0.08	-19.35	0.03	0.80	0.03	8.70	0.56
18901	n	285	9.96	0.08	-20.37	0.03	0.88	0.03	8.78	0.56
18901	n	290	9.99	0.08	-21.33	0.03	1.01	0.04	10.53	0.67
18901	n	295	11.24	0.08	-20.57	0.03	0.79	0.03	8.79	0.56
18901	n	300	16.79	0.08	-21.66	0.03	0.93	0.03	9.46	0.61
18901	n	300	16.36	0.08	-21.69	0.03	0.90	0.03	9.26	0.59
18901	n	305	9.99	0.08	-22.15	0.03	1.04	0.04	9.90	0.63
18901	n	310	13.24	0.08	-15.82	0.03	0.79	0.03	10.34	0.66
18901	n	315	13.98	0.08	-21.49	0.03	0.95	0.03	11.93	0.76
18901	n	325	10.47	0.08	-18.88	0.03	1.12	0.04	14.21	0.91

18901	n	330	17.14	0.08	-18.59	0.03	1.05	0.04	12.87	0.82
18901	n	335	11.33	0.08	-22.97	0.03	0.90	0.03	9.55	0.61
18901	n	340	7.68	0.08	-19.70	0.03	0.75	0.03	9.80	0.63
18901	n	340	7.87	0.08	-19.68	0.03	0.76	0.03	9.38	0.60
18901	n	345	14.78	0.08	-18.42	0.03	1.01	0.04	13.98	0.89
18901	n	350	18.60	0.08	-19.60	0.03	1.07	0.04	15.10	0.97
18901	n	355	10.29	0.08	-21.05	0.03	1.07	0.04	11.69	0.75
18901	n	360	9.65	0.08	-20.79	0.03	0.98	0.04	12.23	0.78
18901	n	365	10.80	0.08	-19.09	0.03	0.78	0.03	11.59	0.74
18901	n	370	14.34	0.08	-19.98	0.03	0.95	0.03	12.85	0.82
18901	n	375	11.34	0.08	-20.92	0.03	0.92	0.03	12.18	0.78
18901	n	375	10.17	0.08	-20.94	0.03	1.17	0.04	12.67	0.81
18901	n	380	10.31	0.08	-18.97	0.03	0.87	0.03	12.24	0.78
18901	n	385	10.27	0.08	-19.40	0.03	0.69	0.02	9.32	0.60
18901	n	390	11.32	0.08	-20.82	0.03	0.68	0.02	8.54	0.55
18901	n	395	10.91	0.08	-20.37	0.03	0.72	0.03	9.30	0.60
18901	n	400	7.68	0.08	-23.39	0.03	0.68	0.02	7.62	0.49
18901	n	405	9.93	0.08	-20.47	0.03	0.89	0.03	10.01	0.64
18901	n	410	10.60	0.08	-21.83	0.03	0.77	0.03	7.69	0.49
18901	n	415	10.16	0.08	-19.67	0.03	0.62	0.02	7.57	0.48
18901	n	415	8.89	0.08	-19.72	0.03	0.89	0.03	8.40	0.54
18901	n	420	7.53	0.08	-14.64	0.03	0.67	0.02	9.47	0.61
18901	n	425	11.26	0.08	-22.17	0.03	1.02	0.04	11.70	0.75
18901	n	430	10.76	0.08	-23.19	0.03	0.60	0.02	5.08	0.32
18901	n	435	13.33	0.08	-21.56	0.03	0.67	0.02	7.71	0.49
18901	n	440	10.34	0.08	-21.69	0.03	0.82	0.03	9.58	0.61
18901	n	445	7.53	0.08	-22.32	0.03	0.80	0.03	8.99	0.58
18901	n	445	7.57	0.08	-22.48	0.03	1.05	0.04	9.31	0.60
18901	n	450	9.63	0.08	-21.63	0.03	0.80	0.03	10.07	0.64
18901	n	455	7.97	0.08	-23.03	0.03	0.83	0.03	6.58	0.42
18901	n	460	8.92	0.08	-22.49	0.03	1.02	0.04	9.02	0.58
18901	n	465	14.38	0.08	-20.77	0.03	0.64	0.02	7.15	0.46
18901	n	470	10.91	0.08	-20.47	0.03	1.10	0.04	10.12	0.65
18901	n	475	5.79	0.08	-20.82	0.03	1.19	0.04	11.33	0.72
18901	n	480	7.83	0.08	-20.64	0.03	0.98	0.04	7.32	0.47
18901	n	485	4.45	0.08	-19.98	0.03	1.45	0.05	12.43	0.80
18901	n	490	7.58	0.08	-21.15	0.03	1.47	0.05	9.46	0.61
18901	n	495	7.84	0.08	-19.67	0.03	0.78	0.03	9.87	0.63
18901	n	495	7.89	0.08	-19.58	0.03	0.90	0.03	9.71	0.62
18901	n	500	4.06	0.08	-17.13	0.03	0.93	0.03	15.20	0.97
18901	n	505	7.07	0.08	-21.33	0.03	1.96	0.07	18.84	1.21
18901	n	510	8.12	0.08	-25.19	0.03	1.82	0.07	22.38	1.43
18901	n	515	9.59	0.08	-24.99	0.03	1.38	0.05	16.61	1.06

Table 3. FTIR uXRF data

Wave no.	Cell. Avg	39-42	39-42F	59-62	59-62F	227-230	227-230F	329-332	329-332F	409-412	409-412 F
4000	0.0042	0.0039	0.0038	0.0027	0.0063	0.0044	0.0074	0.0018	0.0035	0.0015	0.0054
3999	0.0042	0.0038	0.0038	0.0026	0.0063	0.0043	0.0074	0.0017	0.0035	0.0015	0.0055
3998	0.0042	0.0037	0.0037	0.0025	0.0063	0.0043	0.0074	0.0017	0.0034	0.0015	0.0054
3997	0.0042	0.0037	0.0037	0.0025	0.0062	0.0043	0.0074	0.0017	0.0033	0.0015	0.0054
3996	0.0042	0.0037	0.0037	0.0025	0.0063	0.0043	0.0074	0.0017	0.0033	0.0016	0.0054
3995	0.0042	0.0038	0.0037	0.0026	0.0064	0.0043	0.0074	0.0018	0.0034	0.0016	0.0054
3994	0.0043	0.0039	0.0038	0.0027	0.0065	0.0043	0.0075	0.0019	0.0035	0.0017	0.0055
3993	0.0043	0.0039	0.0039	0.0028	0.0065	0.0044	0.0076	0.0020	0.0036	0.0018	0.0055
3992	0.0043	0.0040	0.0040	0.0029	0.0065	0.0044	0.0076	0.0020	0.0036	0.0018	0.0056
3991	0.0043	0.0040	0.0040	0.0029	0.0065	0.0044	0.0076	0.0020	0.0036	0.0018	0.0055
3990	0.0043	0.0040	0.0040	0.0029	0.0064	0.0044	0.0075	0.0019	0.0036	0.0017	0.0055
3989	0.0043	0.0040	0.0040	0.0028	0.0063	0.0044	0.0074	0.0018	0.0035	0.0016	0.0054
3988	0.0042	0.0039	0.0039	0.0027	0.0062	0.0044	0.0073	0.0018	0.0034	0.0016	0.0054
3987	0.0042	0.0038	0.0039	0.0026	0.0062	0.0044	0.0073	0.0018	0.0034	0.0015	0.0054
3986	0.0042	0.0038	0.0039	0.0026	0.0063	0.0044	0.0073	0.0018	0.0034	0.0016	0.0054
3985	0.0042	0.0038	0.0039	0.0026	0.0063	0.0044	0.0074	0.0018	0.0033	0.0016	0.0054
3984	0.0042	0.0038	0.0039	0.0027	0.0063	0.0044	0.0075	0.0018	0.0033	0.0016	0.0055
3983	0.0043	0.0038	0.0039	0.0028	0.0064	0.0044	0.0075	0.0018	0.0033	0.0017	0.0055
3982	0.0043	0.0038	0.0040	0.0028	0.0064	0.0044	0.0075	0.0018	0.0034	0.0017	0.0055
3981	0.0043	0.0039	0.0040	0.0028	0.0064	0.0044	0.0075	0.0018	0.0034	0.0017	0.0055
3980	0.0044	0.0039	0.0040	0.0028	0.0064	0.0044	0.0075	0.0018	0.0034	0.0017	0.0055
3979	0.0044	0.0039	0.0040	0.0028	0.0064	0.0045	0.0075	0.0019	0.0035	0.0017	0.0055
3978	0.0043	0.0039	0.0040	0.0028	0.0064	0.0045	0.0075	0.0019	0.0035	0.0017	0.0055
3977	0.0043	0.0039	0.0040	0.0028	0.0064	0.0045	0.0075	0.0019	0.0035	0.0017	0.0055
3976	0.0043	0.0039	0.0040	0.0028	0.0064	0.0045	0.0075	0.0019	0.0035	0.0018	0.0055
3975	0.0043	0.0039	0.0040	0.0028	0.0064	0.0045	0.0075	0.0018	0.0035	0.0018	0.0055
3974	0.0043	0.0040	0.0040	0.0028	0.0064	0.0044	0.0075	0.0018	0.0035	0.0017	0.0055
3973	0.0043	0.0039	0.0040	0.0028	0.0064	0.0044	0.0075	0.0018	0.0035	0.0017	0.0054
3972	0.0043	0.0039	0.0040	0.0028	0.0063	0.0044	0.0074	0.0018	0.0034	0.0017	0.0054
3971	0.0043	0.0039	0.0040	0.0027	0.0063	0.0044	0.0074	0.0018	0.0034	0.0017	0.0054
3970	0.0043	0.0038	0.0040	0.0027	0.0063	0.0044	0.0074	0.0018	0.0034	0.0017	0.0054
3969	0.0043	0.0038	0.0040	0.0027	0.0063	0.0044	0.0074	0.0018	0.0034	0.0017	0.0054
3968	0.0043	0.0039	0.0040	0.0028	0.0063	0.0044	0.0074	0.0018	0.0034	0.0017	0.0054
3967	0.0043	0.0039	0.0040	0.0028	0.0064	0.0045	0.0075	0.0018	0.0034	0.0017	0.0055
3966	0.0043	0.0040	0.0040	0.0028	0.0064	0.0045	0.0075	0.0019	0.0034	0.0017	0.0055
3965	0.0044	0.0040	0.0040	0.0028	0.0064	0.0045	0.0075	0.0019	0.0034	0.0017	0.0055
3964	0.0044	0.0040	0.0040	0.0027	0.0064	0.0045	0.0075	0.0019	0.0034	0.0017	0.0055
3963	0.0043	0.0039	0.0040	0.0027	0.0064	0.0045	0.0075	0.0019	0.0034	0.0016	0.0055
3962	0.0043	0.0039	0.0039	0.0026	0.0063	0.0044	0.0074	0.0018	0.0034	0.0016	0.0054
3961	0.0043	0.0038	0.0039	0.0026	0.0063	0.0044	0.0073	0.0018	0.0034	0.0016	0.0054
3960	0.0043	0.0038	0.0039	0.0026	0.0063	0.0044	0.0073	0.0017	0.0034	0.0016	0.0053

3959	0.0043	0.0038	0.0039	0.0026	0.0063	0.0044	0.0073	0.0017	0.0034	0.0016	0.0053
3958	0.0043	0.0039	0.0039	0.0027	0.0064	0.0044	0.0074	0.0017	0.0035	0.0016	0.0053
3957	0.0043	0.0039	0.0039	0.0027	0.0064	0.0045	0.0074	0.0018	0.0035	0.0017	0.0054
3956	0.0044	0.0039	0.0040	0.0028	0.0065	0.0045	0.0075	0.0018	0.0035	0.0017	0.0055
3955	0.0044	0.0040	0.0040	0.0028	0.0065	0.0046	0.0075	0.0019	0.0035	0.0017	0.0055
3954	0.0043	0.0040	0.0040	0.0028	0.0065	0.0046	0.0075	0.0019	0.0035	0.0016	0.0055
3953	0.0043	0.0040	0.0040	0.0028	0.0064	0.0046	0.0075	0.0019	0.0035	0.0016	0.0055
3952	0.0042	0.0039	0.0039	0.0027	0.0064	0.0045	0.0074	0.0018	0.0035	0.0016	0.0054
3951	0.0042	0.0039	0.0039	0.0027	0.0064	0.0044	0.0074	0.0018	0.0035	0.0016	0.0054
3950	0.0042	0.0038	0.0039	0.0026	0.0063	0.0044	0.0074	0.0018	0.0035	0.0016	0.0053
3949	0.0042	0.0038	0.0039	0.0026	0.0063	0.0043	0.0074	0.0018	0.0035	0.0017	0.0053
3948	0.0042	0.0038	0.0039	0.0026	0.0063	0.0043	0.0074	0.0018	0.0035	0.0017	0.0053
3947	0.0042	0.0038	0.0039	0.0026	0.0063	0.0042	0.0074	0.0018	0.0034	0.0017	0.0053
3946	0.0042	0.0038	0.0039	0.0027	0.0062	0.0042	0.0074	0.0018	0.0034	0.0017	0.0053
3945	0.0043	0.0038	0.0039	0.0027	0.0062	0.0043	0.0074	0.0018	0.0034	0.0017	0.0053
3944	0.0043	0.0038	0.0039	0.0027	0.0062	0.0043	0.0074	0.0018	0.0035	0.0017	0.0053
3943	0.0043	0.0039	0.0039	0.0028	0.0062	0.0044	0.0074	0.0019	0.0034	0.0017	0.0054
3942	0.0043	0.0039	0.0039	0.0028	0.0062	0.0044	0.0074	0.0019	0.0034	0.0017	0.0054
3941	0.0043	0.0039	0.0039	0.0028	0.0062	0.0043	0.0074	0.0019	0.0034	0.0016	0.0055
3940	0.0043	0.0039	0.0039	0.0028	0.0063	0.0043	0.0074	0.0018	0.0034	0.0017	0.0055
3939	0.0043	0.0038	0.0038	0.0028	0.0063	0.0042	0.0075	0.0018	0.0034	0.0017	0.0055
3938	0.0043	0.0038	0.0038	0.0027	0.0063	0.0042	0.0075	0.0018	0.0034	0.0017	0.0054
3937	0.0043	0.0039	0.0038	0.0027	0.0063	0.0042	0.0075	0.0018	0.0033	0.0017	0.0054
3936	0.0043	0.0039	0.0038	0.0027	0.0063	0.0043	0.0075	0.0018	0.0034	0.0017	0.0054
3935	0.0043	0.0039	0.0038	0.0027	0.0062	0.0044	0.0075	0.0018	0.0034	0.0017	0.0054
3934	0.0043	0.0039	0.0038	0.0027	0.0062	0.0044	0.0074	0.0018	0.0034	0.0017	0.0054
3933	0.0043	0.0039	0.0038	0.0027	0.0062	0.0045	0.0074	0.0019	0.0035	0.0017	0.0054
3932	0.0043	0.0039	0.0038	0.0028	0.0062	0.0045	0.0074	0.0019	0.0035	0.0016	0.0054
3931	0.0043	0.0040	0.0039	0.0028	0.0062	0.0045	0.0073	0.0019	0.0035	0.0016	0.0054
3930	0.0043	0.0040	0.0039	0.0028	0.0063	0.0044	0.0074	0.0020	0.0035	0.0016	0.0054
3929	0.0043	0.0040	0.0040	0.0028	0.0063	0.0043	0.0074	0.0020	0.0035	0.0017	0.0055
3928	0.0044	0.0040	0.0040	0.0028	0.0063	0.0043	0.0074	0.0020	0.0035	0.0017	0.0055
3927	0.0044	0.0040	0.0040	0.0028	0.0063	0.0043	0.0074	0.0020	0.0035	0.0017	0.0055
3926	0.0043	0.0040	0.0040	0.0028	0.0063	0.0042	0.0074	0.0020	0.0035	0.0017	0.0055
3925	0.0043	0.0039	0.0039	0.0028	0.0062	0.0042	0.0074	0.0019	0.0034	0.0016	0.0054
3924	0.0042	0.0039	0.0039	0.0028	0.0062	0.0041	0.0074	0.0019	0.0034	0.0015	0.0054
3923	0.0042	0.0039	0.0038	0.0027	0.0062	0.0042	0.0074	0.0018	0.0033	0.0014	0.0053
3922	0.0041	0.0039	0.0037	0.0027	0.0061	0.0043	0.0074	0.0018	0.0033	0.0013	0.0053
3921	0.0041	0.0039	0.0037	0.0027	0.0061	0.0043	0.0074	0.0018	0.0033	0.0013	0.0053
3920	0.0041	0.0039	0.0037	0.0027	0.0061	0.0043	0.0074	0.0019	0.0033	0.0013	0.0053
3919	0.0042	0.0039	0.0037	0.0026	0.0061	0.0043	0.0074	0.0019	0.0033	0.0014	0.0053
3918	0.0041	0.0038	0.0038	0.0026	0.0061	0.0042	0.0073	0.0018	0.0033	0.0014	0.0053
3917	0.0041	0.0037	0.0038	0.0026	0.0061	0.0040	0.0073	0.0017	0.0033	0.0015	0.0053
3916	0.0041	0.0037	0.0037	0.0026	0.0061	0.0039	0.0072	0.0017	0.0032	0.0014	0.0053

3915	0.0040	0.0037	0.0037	0.0024	0.0062	0.0038	0.0072	0.0017	0.0032	0.0014	0.0053
3914	0.0040	0.0037	0.0036	0.0023	0.0062	0.0038	0.0072	0.0018	0.0032	0.0014	0.0053
3913	0.0041	0.0038	0.0036	0.0021	0.0062	0.0039	0.0073	0.0018	0.0032	0.0016	0.0053
3912	0.0041	0.0038	0.0036	0.0020	0.0061	0.0042	0.0074	0.0018	0.0032	0.0017	0.0052
3911	0.0041	0.0038	0.0036	0.0022	0.0061	0.0044	0.0074	0.0018	0.0033	0.0018	0.0052
3910	0.0041	0.0038	0.0036	0.0027	0.0061	0.0045	0.0073	0.0018	0.0034	0.0015	0.0052
3909	0.0041	0.0036	0.0037	0.0033	0.0063	0.0045	0.0072	0.0017	0.0035	0.0013	0.0053
3908	0.0041	0.0034	0.0038	0.0038	0.0065	0.0045	0.0070	0.0015	0.0035	0.0010	0.0053
3907	0.0041	0.0032	0.0038	0.0040	0.0067	0.0045	0.0069	0.0013	0.0033	0.0010	0.0053
3906	0.0041	0.0033	0.0037	0.0038	0.0067	0.0044	0.0070	0.0012	0.0030	0.0010	0.0053
3905	0.0041	0.0035	0.0033	0.0036	0.0066	0.0043	0.0074	0.0013	0.0028	0.0011	0.0054
3904	0.0041	0.0039	0.0030	0.0036	0.0064	0.0040	0.0078	0.0015	0.0029	0.0012	0.0054
3903	0.0041	0.0042	0.0030	0.0037	0.0063	0.0037	0.0080	0.0017	0.0031	0.0013	0.0055
3902	0.0041	0.0044	0.0035	0.0037	0.0062	0.0034	0.0079	0.0017	0.0034	0.0013	0.0055
3901	0.0042	0.0044	0.0041	0.0036	0.0061	0.0034	0.0074	0.0015	0.0034	0.0012	0.0055
3900	0.0042	0.0043	0.0046	0.0031	0.0058	0.0036	0.0068	0.0013	0.0033	0.0009	0.0054
3899	0.0042	0.0042	0.0047	0.0023	0.0055	0.0040	0.0064	0.0012	0.0032	0.0008	0.0054
3898	0.0042	0.0040	0.0046	0.0016	0.0053	0.0043	0.0063	0.0012	0.0031	0.0009	0.0053
3897	0.0042	0.0039	0.0044	0.0011	0.0053	0.0044	0.0065	0.0014	0.0032	0.0013	0.0053
3896	0.0042	0.0038	0.0043	0.0009	0.0055	0.0043	0.0067	0.0016	0.0032	0.0017	0.0052
3895	0.0041	0.0037	0.0044	0.0010	0.0057	0.0041	0.0070	0.0017	0.0031	0.0021	0.0052
3894	0.0041	0.0035	0.0045	0.0014	0.0059	0.0040	0.0073	0.0018	0.0031	0.0023	0.0052
3893	0.0042	0.0033	0.0045	0.0018	0.0060	0.0040	0.0076	0.0018	0.0032	0.0023	0.0053
3892	0.0043	0.0032	0.0043	0.0022	0.0060	0.0041	0.0077	0.0020	0.0034	0.0022	0.0054
3891	0.0043	0.0035	0.0040	0.0024	0.0060	0.0042	0.0078	0.0022	0.0036	0.0020	0.0054
3890	0.0043	0.0039	0.0037	0.0025	0.0059	0.0042	0.0078	0.0023	0.0036	0.0018	0.0054
3889	0.0042	0.0044	0.0035	0.0024	0.0059	0.0040	0.0078	0.0023	0.0036	0.0016	0.0053
3888	0.0042	0.0047	0.0034	0.0024	0.0059	0.0039	0.0078	0.0022	0.0035	0.0014	0.0052
3887	0.0042	0.0048	0.0034	0.0024	0.0059	0.0038	0.0077	0.0020	0.0035	0.0013	0.0051
3886	0.0042	0.0048	0.0034	0.0024	0.0060	0.0039	0.0076	0.0019	0.0034	0.0012	0.0051
3885	0.0042	0.0046	0.0036	0.0026	0.0060	0.0040	0.0075	0.0018	0.0034	0.0012	0.0052
3884	0.0042	0.0044	0.0038	0.0026	0.0061	0.0041	0.0075	0.0018	0.0034	0.0013	0.0054
3883	0.0043	0.0043	0.0039	0.0026	0.0062	0.0042	0.0075	0.0018	0.0035	0.0014	0.0057
3882	0.0043	0.0042	0.0038	0.0025	0.0061	0.0041	0.0074	0.0017	0.0034	0.0014	0.0058
3881	0.0041	0.0041	0.0037	0.0023	0.0059	0.0040	0.0072	0.0017	0.0032	0.0013	0.0058
3880	0.0038	0.0039	0.0035	0.0022	0.0057	0.0038	0.0070	0.0016	0.0030	0.0012	0.0056
3879	0.0035	0.0037	0.0034	0.0021	0.0056	0.0037	0.0069	0.0015	0.0029	0.0011	0.0053
3878	0.0034	0.0036	0.0034	0.0021	0.0056	0.0037	0.0068	0.0014	0.0028	0.0011	0.0050
3877	0.0034	0.0034	0.0034	0.0020	0.0056	0.0037	0.0067	0.0013	0.0028	0.0010	0.0049
3876	0.0035	0.0034	0.0033	0.0019	0.0056	0.0037	0.0066	0.0012	0.0028	0.0010	0.0049
3875	0.0038	0.0035	0.0034	0.0019	0.0056	0.0037	0.0067	0.0013	0.0029	0.0010	0.0050
3874	0.0042	0.0038	0.0036	0.0022	0.0058	0.0040	0.0070	0.0016	0.0032	0.0013	0.0052
3873	0.0047	0.0042	0.0041	0.0027	0.0062	0.0045	0.0076	0.0021	0.0036	0.0018	0.0056
3872	0.0051	0.0046	0.0045	0.0032	0.0067	0.0050	0.0081	0.0025	0.0041	0.0023	0.0058

3871	0.0053	0.0048	0.0047	0.0034	0.0069	0.0052	0.0083	0.0028	0.0043	0.0026	0.0059
3870	0.0051	0.0047	0.0046	0.0034	0.0067	0.0050	0.0082	0.0027	0.0042	0.0025	0.0058
3869	0.0048	0.0045	0.0043	0.0032	0.0064	0.0047	0.0079	0.0025	0.0039	0.0022	0.0057
3868	0.0045	0.0042	0.0040	0.0029	0.0062	0.0044	0.0075	0.0022	0.0036	0.0019	0.0057
3867	0.0043	0.0040	0.0039	0.0028	0.0061	0.0043	0.0073	0.0020	0.0035	0.0018	0.0057
3866	0.0042	0.0040	0.0038	0.0026	0.0060	0.0042	0.0072	0.0019	0.0035	0.0017	0.0056
3865	0.0041	0.0040	0.0038	0.0026	0.0061	0.0042	0.0072	0.0019	0.0035	0.0017	0.0055
3864	0.0040	0.0039	0.0037	0.0025	0.0060	0.0041	0.0071	0.0018	0.0034	0.0017	0.0054
3863	0.0039	0.0038	0.0037	0.0025	0.0060	0.0041	0.0071	0.0018	0.0033	0.0017	0.0052
3862	0.0040	0.0038	0.0037	0.0025	0.0060	0.0041	0.0071	0.0018	0.0033	0.0017	0.0052
3861	0.0041	0.0038	0.0037	0.0025	0.0060	0.0041	0.0072	0.0018	0.0033	0.0016	0.0052
3860	0.0041	0.0038	0.0037	0.0024	0.0060	0.0041	0.0072	0.0018	0.0032	0.0016	0.0052
3859	0.0041	0.0039	0.0037	0.0024	0.0059	0.0041	0.0072	0.0018	0.0031	0.0015	0.0052
3858	0.0040	0.0039	0.0036	0.0024	0.0058	0.0040	0.0072	0.0018	0.0031	0.0015	0.0052
3857	0.0040	0.0038	0.0035	0.0025	0.0057	0.0040	0.0072	0.0017	0.0030	0.0014	0.0052
3856	0.0040	0.0038	0.0035	0.0025	0.0056	0.0039	0.0071	0.0017	0.0029	0.0014	0.0053
3855	0.0040	0.0037	0.0035	0.0025	0.0056	0.0039	0.0070	0.0017	0.0029	0.0014	0.0054
3854	0.0041	0.0037	0.0035	0.0025	0.0056	0.0039	0.0070	0.0017	0.0029	0.0014	0.0056
3853	0.0042	0.0037	0.0035	0.0025	0.0055	0.0039	0.0069	0.0018	0.0030	0.0014	0.0056
3852	0.0043	0.0037	0.0035	0.0025	0.0055	0.0040	0.0069	0.0017	0.0031	0.0014	0.0056
3851	0.0043	0.0037	0.0035	0.0025	0.0056	0.0040	0.0069	0.0017	0.0031	0.0014	0.0056
3850	0.0042	0.0037	0.0035	0.0024	0.0057	0.0041	0.0069	0.0017	0.0032	0.0015	0.0055
3849	0.0042	0.0037	0.0036	0.0024	0.0057	0.0041	0.0070	0.0018	0.0032	0.0015	0.0054
3848	0.0041	0.0037	0.0036	0.0024	0.0058	0.0041	0.0070	0.0018	0.0033	0.0015	0.0053
3847	0.0041	0.0038	0.0037	0.0025	0.0059	0.0041	0.0070	0.0019	0.0033	0.0016	0.0053
3846	0.0041	0.0038	0.0037	0.0025	0.0060	0.0041	0.0070	0.0019	0.0033	0.0016	0.0053
3845	0.0041	0.0039	0.0037	0.0026	0.0060	0.0041	0.0071	0.0019	0.0034	0.0016	0.0053
3844	0.0041	0.0039	0.0037	0.0026	0.0059	0.0041	0.0071	0.0019	0.0033	0.0016	0.0052
3843	0.0041	0.0039	0.0037	0.0025	0.0059	0.0041	0.0070	0.0019	0.0033	0.0016	0.0052
3842	0.0041	0.0039	0.0036	0.0025	0.0058	0.0040	0.0069	0.0019	0.0033	0.0016	0.0052
3841	0.0042	0.0039	0.0037	0.0024	0.0057	0.0040	0.0069	0.0019	0.0033	0.0015	0.0053
3840	0.0042	0.0039	0.0037	0.0024	0.0057	0.0040	0.0069	0.0019	0.0033	0.0015	0.0053
3839	0.0043	0.0039	0.0037	0.0024	0.0057	0.0040	0.0068	0.0019	0.0033	0.0015	0.0054
3838	0.0042	0.0039	0.0036	0.0024	0.0057	0.0040	0.0068	0.0019	0.0033	0.0015	0.0054
3837	0.0042	0.0038	0.0035	0.0024	0.0057	0.0040	0.0068	0.0018	0.0033	0.0015	0.0053
3836	0.0041	0.0038	0.0035	0.0024	0.0057	0.0039	0.0067	0.0017	0.0032	0.0015	0.0053
3835	0.0041	0.0037	0.0035	0.0024	0.0057	0.0039	0.0067	0.0016	0.0032	0.0015	0.0052
3834	0.0041	0.0037	0.0035	0.0024	0.0058	0.0039	0.0067	0.0016	0.0032	0.0015	0.0051
3833	0.0041	0.0036	0.0035	0.0024	0.0058	0.0039	0.0067	0.0016	0.0032	0.0015	0.0051
3832	0.0041	0.0036	0.0035	0.0024	0.0058	0.0039	0.0068	0.0016	0.0031	0.0015	0.0051
3831	0.0040	0.0036	0.0035	0.0024	0.0058	0.0040	0.0068	0.0016	0.0032	0.0014	0.0050
3830	0.0040	0.0036	0.0035	0.0024	0.0058	0.0040	0.0068	0.0016	0.0032	0.0015	0.0050
3829	0.0041	0.0036	0.0035	0.0024	0.0058	0.0041	0.0068	0.0017	0.0032	0.0015	0.0050
3828	0.0041	0.0037	0.0036	0.0024	0.0058	0.0041	0.0068	0.0017	0.0033	0.0015	0.0050

3827	0.0041	0.0037	0.0036	0.0024	0.0058	0.0041	0.0069	0.0017	0.0033	0.0015	0.0050
3826	0.0041	0.0038	0.0037	0.0024	0.0058	0.0040	0.0069	0.0017	0.0033	0.0015	0.0051
3825	0.0041	0.0038	0.0036	0.0024	0.0057	0.0040	0.0069	0.0017	0.0033	0.0015	0.0052
3824	0.0041	0.0038	0.0036	0.0024	0.0057	0.0040	0.0068	0.0017	0.0033	0.0015	0.0052
3823	0.0042	0.0038	0.0036	0.0024	0.0058	0.0040	0.0068	0.0017	0.0033	0.0015	0.0052
3822	0.0043	0.0038	0.0036	0.0023	0.0058	0.0040	0.0067	0.0018	0.0033	0.0015	0.0052
3821	0.0042	0.0039	0.0036	0.0023	0.0057	0.0039	0.0068	0.0019	0.0032	0.0015	0.0052
3820	0.0041	0.0039	0.0036	0.0023	0.0057	0.0038	0.0068	0.0019	0.0032	0.0015	0.0052
3819	0.0041	0.0038	0.0036	0.0023	0.0057	0.0038	0.0068	0.0018	0.0031	0.0015	0.0053
3818	0.0042	0.0037	0.0037	0.0023	0.0057	0.0039	0.0069	0.0018	0.0031	0.0015	0.0053
3817	0.0042	0.0037	0.0038	0.0023	0.0057	0.0039	0.0069	0.0017	0.0031	0.0015	0.0054
3816	0.0041	0.0037	0.0038	0.0023	0.0057	0.0039	0.0069	0.0017	0.0031	0.0014	0.0054
3815	0.0041	0.0037	0.0037	0.0024	0.0057	0.0039	0.0069	0.0017	0.0030	0.0014	0.0053
3814	0.0040	0.0036	0.0037	0.0024	0.0057	0.0039	0.0069	0.0017	0.0030	0.0014	0.0053
3813	0.0040	0.0035	0.0036	0.0024	0.0057	0.0039	0.0069	0.0016	0.0030	0.0014	0.0052
3812	0.0040	0.0036	0.0036	0.0024	0.0057	0.0039	0.0069	0.0016	0.0030	0.0014	0.0052
3811	0.0040	0.0036	0.0036	0.0024	0.0058	0.0039	0.0070	0.0017	0.0030	0.0014	0.0052
3810	0.0040	0.0036	0.0036	0.0024	0.0058	0.0040	0.0069	0.0017	0.0030	0.0014	0.0052
3809	0.0040	0.0036	0.0036	0.0023	0.0058	0.0040	0.0069	0.0017	0.0030	0.0014	0.0052
3808	0.0040	0.0037	0.0036	0.0023	0.0058	0.0040	0.0069	0.0017	0.0030	0.0014	0.0052
3807	0.0040	0.0037	0.0035	0.0023	0.0057	0.0039	0.0069	0.0017	0.0030	0.0013	0.0052
3806	0.0039	0.0037	0.0035	0.0023	0.0055	0.0039	0.0068	0.0017	0.0030	0.0013	0.0052
3805	0.0039	0.0037	0.0034	0.0023	0.0054	0.0039	0.0068	0.0017	0.0030	0.0013	0.0051
3804	0.0039	0.0036	0.0034	0.0022	0.0054	0.0038	0.0068	0.0016	0.0030	0.0013	0.0051
3803	0.0040	0.0036	0.0035	0.0022	0.0054	0.0038	0.0068	0.0016	0.0030	0.0013	0.0051
3802	0.0041	0.0037	0.0036	0.0022	0.0055	0.0038	0.0068	0.0016	0.0030	0.0014	0.0051
3801	0.0041	0.0038	0.0036	0.0022	0.0056	0.0038	0.0068	0.0016	0.0031	0.0014	0.0052
3800	0.0041	0.0038	0.0035	0.0022	0.0056	0.0038	0.0067	0.0016	0.0031	0.0014	0.0052
3799	0.0041	0.0037	0.0035	0.0023	0.0057	0.0039	0.0067	0.0016	0.0032	0.0015	0.0052
3798	0.0042	0.0037	0.0035	0.0023	0.0058	0.0039	0.0068	0.0016	0.0032	0.0015	0.0051
3797	0.0042	0.0036	0.0036	0.0023	0.0057	0.0039	0.0068	0.0016	0.0032	0.0015	0.0051
3796	0.0041	0.0036	0.0036	0.0023	0.0057	0.0039	0.0069	0.0017	0.0031	0.0015	0.0052
3795	0.0041	0.0036	0.0036	0.0024	0.0057	0.0039	0.0069	0.0016	0.0031	0.0014	0.0052
3794	0.0040	0.0036	0.0036	0.0025	0.0057	0.0039	0.0070	0.0016	0.0031	0.0014	0.0053
3793	0.0040	0.0035	0.0036	0.0025	0.0058	0.0040	0.0070	0.0016	0.0030	0.0014	0.0052
3792	0.0040	0.0035	0.0036	0.0025	0.0058	0.0040	0.0070	0.0016	0.0030	0.0014	0.0052
3791	0.0040	0.0035	0.0036	0.0024	0.0057	0.0040	0.0070	0.0016	0.0030	0.0014	0.0052
3790	0.0040	0.0035	0.0037	0.0024	0.0057	0.0040	0.0069	0.0016	0.0030	0.0014	0.0052
3789	0.0041	0.0036	0.0037	0.0024	0.0057	0.0040	0.0069	0.0017	0.0031	0.0015	0.0052
3788	0.0041	0.0037	0.0037	0.0024	0.0057	0.0040	0.0070	0.0017	0.0031	0.0015	0.0052
3787	0.0041	0.0037	0.0037	0.0023	0.0057	0.0040	0.0069	0.0017	0.0032	0.0015	0.0051
3786	0.0041	0.0037	0.0037	0.0023	0.0058	0.0039	0.0069	0.0016	0.0032	0.0015	0.0050
3785	0.0040	0.0036	0.0036	0.0023	0.0057	0.0039	0.0068	0.0016	0.0032	0.0014	0.0049
3784	0.0040	0.0036	0.0035	0.0022	0.0057	0.0039	0.0067	0.0016	0.0031	0.0014	0.0049

3783	0.0040	0.0035	0.0035	0.0022	0.0057	0.0040	0.0067	0.0015	0.0031	0.0014	0.0050
3782	0.0040	0.0035	0.0035	0.0022	0.0057	0.0040	0.0067	0.0016	0.0030	0.0014	0.0050
3781	0.0040	0.0034	0.0035	0.0022	0.0057	0.0039	0.0067	0.0016	0.0030	0.0014	0.0051
3780	0.0040	0.0034	0.0036	0.0023	0.0057	0.0038	0.0068	0.0016	0.0030	0.0013	0.0051
3779	0.0040	0.0034	0.0036	0.0023	0.0056	0.0038	0.0068	0.0016	0.0030	0.0013	0.0051
3778	0.0039	0.0034	0.0036	0.0024	0.0056	0.0038	0.0067	0.0016	0.0030	0.0013	0.0051
3777	0.0039	0.0035	0.0036	0.0024	0.0057	0.0039	0.0067	0.0016	0.0030	0.0014	0.0051
3776	0.0040	0.0035	0.0036	0.0024	0.0057	0.0040	0.0068	0.0017	0.0031	0.0014	0.0051
3775	0.0040	0.0036	0.0036	0.0024	0.0057	0.0040	0.0068	0.0017	0.0031	0.0014	0.0052
3774	0.0040	0.0036	0.0036	0.0024	0.0057	0.0040	0.0068	0.0017	0.0031	0.0014	0.0052
3773	0.0040	0.0036	0.0036	0.0025	0.0058	0.0040	0.0068	0.0017	0.0031	0.0014	0.0052
3772	0.0040	0.0036	0.0036	0.0025	0.0057	0.0040	0.0068	0.0017	0.0031	0.0015	0.0051
3771	0.0040	0.0036	0.0036	0.0024	0.0057	0.0040	0.0067	0.0017	0.0031	0.0015	0.0051
3770	0.0040	0.0036	0.0036	0.0024	0.0057	0.0040	0.0067	0.0017	0.0031	0.0015	0.0051
3769	0.0039	0.0036	0.0036	0.0025	0.0056	0.0040	0.0067	0.0017	0.0031	0.0015	0.0051
3768	0.0040	0.0035	0.0036	0.0025	0.0057	0.0041	0.0067	0.0017	0.0031	0.0014	0.0052
3767	0.0040	0.0035	0.0036	0.0025	0.0057	0.0041	0.0067	0.0017	0.0031	0.0014	0.0052
3766	0.0041	0.0036	0.0037	0.0026	0.0057	0.0041	0.0068	0.0017	0.0031	0.0014	0.0052
3765	0.0041	0.0038	0.0037	0.0026	0.0057	0.0041	0.0068	0.0017	0.0032	0.0015	0.0052
3764	0.0041	0.0039	0.0038	0.0026	0.0057	0.0041	0.0068	0.0017	0.0032	0.0015	0.0052
3763	0.0041	0.0039	0.0038	0.0025	0.0058	0.0040	0.0068	0.0017	0.0033	0.0015	0.0052
3762	0.0041	0.0039	0.0038	0.0025	0.0058	0.0040	0.0068	0.0017	0.0033	0.0016	0.0051
3761	0.0041	0.0039	0.0037	0.0025	0.0058	0.0039	0.0068	0.0017	0.0033	0.0016	0.0051
3760	0.0041	0.0038	0.0037	0.0025	0.0058	0.0039	0.0068	0.0017	0.0032	0.0015	0.0051
3759	0.0041	0.0037	0.0037	0.0025	0.0057	0.0039	0.0068	0.0017	0.0032	0.0015	0.0051
3758	0.0041	0.0037	0.0037	0.0024	0.0057	0.0039	0.0068	0.0018	0.0032	0.0015	0.0052
3757	0.0041	0.0038	0.0037	0.0024	0.0057	0.0040	0.0069	0.0018	0.0032	0.0015	0.0053
3756	0.0041	0.0039	0.0038	0.0024	0.0056	0.0040	0.0069	0.0019	0.0032	0.0015	0.0053
3755	0.0041	0.0039	0.0038	0.0024	0.0056	0.0040	0.0068	0.0020	0.0032	0.0015	0.0053
3754	0.0041	0.0039	0.0037	0.0024	0.0055	0.0040	0.0068	0.0020	0.0031	0.0016	0.0053
3753	0.0040	0.0039	0.0037	0.0024	0.0055	0.0040	0.0068	0.0020	0.0031	0.0016	0.0053
3752	0.0040	0.0038	0.0037	0.0024	0.0054	0.0039	0.0068	0.0020	0.0031	0.0015	0.0053
3751	0.0040	0.0038	0.0036	0.0024	0.0054	0.0039	0.0068	0.0019	0.0031	0.0015	0.0054
3750	0.0040	0.0038	0.0036	0.0024	0.0053	0.0039	0.0067	0.0018	0.0030	0.0014	0.0055
3749	0.0040	0.0038	0.0036	0.0024	0.0052	0.0039	0.0067	0.0018	0.0030	0.0013	0.0055
3748	0.0040	0.0037	0.0035	0.0025	0.0052	0.0040	0.0066	0.0018	0.0030	0.0013	0.0055
3747	0.0040	0.0036	0.0035	0.0025	0.0052	0.0040	0.0066	0.0017	0.0030	0.0013	0.0055
3746	0.0040	0.0036	0.0034	0.0025	0.0052	0.0040	0.0066	0.0016	0.0029	0.0013	0.0054
3745	0.0040	0.0036	0.0034	0.0024	0.0052	0.0039	0.0066	0.0016	0.0028	0.0013	0.0053
3744	0.0039	0.0037	0.0035	0.0025	0.0052	0.0038	0.0065	0.0016	0.0029	0.0013	0.0053
3743	0.0039	0.0037	0.0035	0.0025	0.0052	0.0038	0.0065	0.0016	0.0030	0.0013	0.0053
3742	0.0040	0.0037	0.0035	0.0025	0.0053	0.0038	0.0065	0.0017	0.0031	0.0014	0.0052
3741	0.0040	0.0037	0.0036	0.0025	0.0054	0.0038	0.0065	0.0018	0.0032	0.0014	0.0052
3740	0.0041	0.0037	0.0036	0.0025	0.0054	0.0038	0.0066	0.0018	0.0032	0.0014	0.0051

3739	0.0041	0.0037	0.0035	0.0024	0.0054	0.0038	0.0066	0.0018	0.0032	0.0014	0.0051
3738	0.0041	0.0036	0.0035	0.0023	0.0054	0.0037	0.0066	0.0017	0.0031	0.0014	0.0051
3737	0.0041	0.0037	0.0034	0.0023	0.0054	0.0037	0.0066	0.0017	0.0031	0.0014	0.0051
3736	0.0041	0.0037	0.0034	0.0023	0.0054	0.0037	0.0066	0.0016	0.0030	0.0014	0.0051
3735	0.0041	0.0036	0.0034	0.0023	0.0054	0.0037	0.0067	0.0016	0.0030	0.0014	0.0051
3734	0.0041	0.0036	0.0034	0.0023	0.0054	0.0037	0.0067	0.0016	0.0029	0.0014	0.0051
3733	0.0041	0.0036	0.0034	0.0022	0.0054	0.0037	0.0066	0.0015	0.0029	0.0014	0.0051
3732	0.0041	0.0037	0.0035	0.0022	0.0054	0.0037	0.0066	0.0015	0.0029	0.0014	0.0052
3731	0.0041	0.0037	0.0035	0.0022	0.0055	0.0038	0.0066	0.0015	0.0030	0.0014	0.0052
3730	0.0041	0.0037	0.0035	0.0023	0.0055	0.0038	0.0066	0.0015	0.0030	0.0015	0.0052
3729	0.0041	0.0037	0.0035	0.0023	0.0055	0.0039	0.0066	0.0015	0.0031	0.0016	0.0052
3728	0.0041	0.0036	0.0035	0.0023	0.0055	0.0039	0.0067	0.0016	0.0031	0.0016	0.0052
3727	0.0041	0.0036	0.0035	0.0023	0.0055	0.0040	0.0067	0.0016	0.0032	0.0017	0.0051
3726	0.0040	0.0036	0.0035	0.0023	0.0054	0.0039	0.0067	0.0016	0.0032	0.0017	0.0051
3725	0.0040	0.0036	0.0035	0.0023	0.0054	0.0039	0.0067	0.0016	0.0032	0.0016	0.0051
3724	0.0040	0.0036	0.0036	0.0024	0.0055	0.0039	0.0068	0.0016	0.0032	0.0016	0.0051
3723	0.0041	0.0037	0.0036	0.0025	0.0055	0.0038	0.0068	0.0017	0.0032	0.0016	0.0051
3722	0.0042	0.0038	0.0036	0.0025	0.0056	0.0038	0.0069	0.0017	0.0032	0.0016	0.0052
3721	0.0042	0.0038	0.0036	0.0025	0.0056	0.0038	0.0069	0.0018	0.0032	0.0016	0.0053
3720	0.0041	0.0037	0.0036	0.0024	0.0056	0.0038	0.0068	0.0018	0.0032	0.0016	0.0053
3719	0.0041	0.0037	0.0035	0.0024	0.0056	0.0038	0.0068	0.0017	0.0031	0.0015	0.0053
3718	0.0040	0.0036	0.0035	0.0023	0.0055	0.0038	0.0067	0.0016	0.0030	0.0014	0.0053
3717	0.0039	0.0036	0.0035	0.0023	0.0055	0.0038	0.0067	0.0016	0.0030	0.0013	0.0053
3716	0.0039	0.0036	0.0035	0.0023	0.0055	0.0039	0.0068	0.0016	0.0030	0.0013	0.0053
3715	0.0039	0.0037	0.0035	0.0024	0.0055	0.0040	0.0068	0.0016	0.0030	0.0014	0.0053
3714	0.0040	0.0037	0.0036	0.0025	0.0055	0.0040	0.0068	0.0017	0.0031	0.0014	0.0054
3713	0.0040	0.0038	0.0035	0.0025	0.0056	0.0040	0.0068	0.0017	0.0032	0.0015	0.0054
3712	0.0040	0.0038	0.0035	0.0026	0.0056	0.0040	0.0068	0.0017	0.0032	0.0016	0.0054
3711	0.0040	0.0037	0.0034	0.0026	0.0056	0.0038	0.0068	0.0017	0.0031	0.0015	0.0053
3710	0.0040	0.0037	0.0034	0.0026	0.0056	0.0037	0.0068	0.0016	0.0031	0.0015	0.0053
3709	0.0040	0.0037	0.0034	0.0026	0.0056	0.0037	0.0068	0.0016	0.0030	0.0015	0.0053
3708	0.0039	0.0037	0.0034	0.0026	0.0056	0.0037	0.0068	0.0016	0.0030	0.0015	0.0053
3707	0.0039	0.0038	0.0035	0.0026	0.0056	0.0038	0.0068	0.0017	0.0030	0.0016	0.0053
3706	0.0039	0.0039	0.0035	0.0027	0.0056	0.0039	0.0068	0.0017	0.0030	0.0017	0.0054
3705	0.0040	0.0040	0.0036	0.0028	0.0057	0.0040	0.0069	0.0018	0.0031	0.0018	0.0055
3704	0.0040	0.0041	0.0036	0.0028	0.0057	0.0041	0.0069	0.0018	0.0031	0.0019	0.0056
3703	0.0041	0.0042	0.0037	0.0028	0.0058	0.0042	0.0070	0.0019	0.0031	0.0019	0.0056
3702	0.0041	0.0042	0.0037	0.0028	0.0057	0.0042	0.0071	0.0018	0.0031	0.0019	0.0056
3701	0.0040	0.0041	0.0037	0.0027	0.0056	0.0042	0.0071	0.0018	0.0031	0.0019	0.0057
3700	0.0040	0.0041	0.0037	0.0026	0.0056	0.0042	0.0071	0.0017	0.0031	0.0018	0.0056
3699	0.0039	0.0041	0.0036	0.0026	0.0056	0.0041	0.0071	0.0016	0.0031	0.0018	0.0056
3698	0.0039	0.0042	0.0036	0.0026	0.0056	0.0040	0.0071	0.0016	0.0032	0.0018	0.0056
3697	0.0039	0.0042	0.0036	0.0026	0.0056	0.0040	0.0071	0.0017	0.0032	0.0019	0.0055
3696	0.0039	0.0043	0.0035	0.0026	0.0056	0.0040	0.0070	0.0017	0.0032	0.0020	0.0055

3695	0.0039	0.0043	0.0035	0.0026	0.0056	0.0041	0.0070	0.0017	0.0032	0.0020	0.0055
3694	0.0039	0.0043	0.0035	0.0026	0.0055	0.0041	0.0069	0.0017	0.0032	0.0020	0.0055
3693	0.0039	0.0044	0.0035	0.0026	0.0054	0.0041	0.0069	0.0017	0.0032	0.0020	0.0055
3692	0.0039	0.0044	0.0035	0.0025	0.0053	0.0041	0.0069	0.0017	0.0032	0.0019	0.0054
3691	0.0038	0.0044	0.0035	0.0024	0.0052	0.0040	0.0068	0.0018	0.0031	0.0019	0.0054
3690	0.0038	0.0043	0.0035	0.0024	0.0053	0.0040	0.0068	0.0018	0.0030	0.0018	0.0054
3689	0.0039	0.0043	0.0035	0.0024	0.0054	0.0040	0.0069	0.0019	0.0029	0.0018	0.0055
3688	0.0040	0.0042	0.0036	0.0026	0.0056	0.0041	0.0070	0.0020	0.0029	0.0018	0.0057
3687	0.0040	0.0043	0.0036	0.0028	0.0057	0.0042	0.0071	0.0020	0.0030	0.0019	0.0057
3686	0.0040	0.0043	0.0037	0.0028	0.0058	0.0042	0.0071	0.0019	0.0031	0.0019	0.0057
3685	0.0040	0.0043	0.0037	0.0028	0.0057	0.0042	0.0071	0.0018	0.0031	0.0019	0.0057
3684	0.0039	0.0043	0.0037	0.0027	0.0057	0.0042	0.0071	0.0017	0.0031	0.0018	0.0055
3683	0.0039	0.0043	0.0037	0.0026	0.0057	0.0042	0.0070	0.0017	0.0032	0.0018	0.0055
3682	0.0040	0.0043	0.0037	0.0025	0.0057	0.0043	0.0071	0.0017	0.0032	0.0019	0.0054
3681	0.0040	0.0044	0.0038	0.0026	0.0057	0.0044	0.0071	0.0019	0.0033	0.0020	0.0055
3680	0.0041	0.0044	0.0038	0.0026	0.0058	0.0045	0.0072	0.0020	0.0034	0.0021	0.0056
3679	0.0041	0.0045	0.0038	0.0027	0.0058	0.0045	0.0073	0.0020	0.0034	0.0022	0.0057
3678	0.0041	0.0045	0.0038	0.0027	0.0057	0.0045	0.0072	0.0020	0.0034	0.0022	0.0057
3677	0.0041	0.0045	0.0038	0.0026	0.0056	0.0044	0.0071	0.0019	0.0034	0.0021	0.0057
3676	0.0041	0.0045	0.0037	0.0025	0.0055	0.0043	0.0071	0.0019	0.0033	0.0021	0.0057
3675	0.0040	0.0045	0.0037	0.0025	0.0054	0.0043	0.0071	0.0020	0.0033	0.0021	0.0057
3674	0.0040	0.0045	0.0037	0.0027	0.0054	0.0043	0.0071	0.0020	0.0032	0.0021	0.0057
3673	0.0040	0.0045	0.0038	0.0028	0.0055	0.0044	0.0071	0.0020	0.0033	0.0022	0.0058
3672	0.0041	0.0046	0.0039	0.0028	0.0056	0.0045	0.0071	0.0021	0.0033	0.0022	0.0058
3671	0.0041	0.0047	0.0040	0.0028	0.0057	0.0046	0.0072	0.0021	0.0033	0.0021	0.0059
3670	0.0041	0.0048	0.0040	0.0028	0.0058	0.0046	0.0072	0.0021	0.0033	0.0021	0.0059
3669	0.0040	0.0048	0.0039	0.0029	0.0059	0.0046	0.0071	0.0021	0.0034	0.0021	0.0059
3668	0.0039	0.0048	0.0039	0.0029	0.0060	0.0046	0.0072	0.0021	0.0035	0.0021	0.0060
3667	0.0040	0.0049	0.0040	0.0030	0.0061	0.0047	0.0072	0.0021	0.0036	0.0022	0.0060
3666	0.0041	0.0050	0.0041	0.0030	0.0063	0.0048	0.0073	0.0022	0.0037	0.0024	0.0060
3665	0.0042	0.0051	0.0043	0.0031	0.0063	0.0049	0.0075	0.0023	0.0037	0.0025	0.0060
3664	0.0042	0.0052	0.0045	0.0032	0.0064	0.0050	0.0076	0.0023	0.0038	0.0026	0.0061
3663	0.0043	0.0053	0.0046	0.0033	0.0066	0.0052	0.0077	0.0023	0.0039	0.0027	0.0062
3662	0.0044	0.0054	0.0047	0.0034	0.0067	0.0053	0.0078	0.0024	0.0040	0.0027	0.0062
3661	0.0044	0.0054	0.0047	0.0036	0.0068	0.0054	0.0079	0.0025	0.0041	0.0027	0.0063
3660	0.0044	0.0055	0.0046	0.0037	0.0068	0.0054	0.0079	0.0025	0.0041	0.0027	0.0063
3659	0.0044	0.0055	0.0046	0.0038	0.0069	0.0055	0.0079	0.0026	0.0041	0.0027	0.0063
3658	0.0044	0.0056	0.0046	0.0038	0.0069	0.0055	0.0079	0.0026	0.0042	0.0027	0.0064
3657	0.0044	0.0057	0.0047	0.0038	0.0069	0.0054	0.0079	0.0027	0.0042	0.0027	0.0064
3656	0.0044	0.0059	0.0048	0.0039	0.0069	0.0054	0.0080	0.0027	0.0042	0.0028	0.0065
3655	0.0044	0.0060	0.0048	0.0039	0.0069	0.0054	0.0081	0.0027	0.0042	0.0029	0.0065
3654	0.0045	0.0060	0.0048	0.0040	0.0069	0.0055	0.0082	0.0028	0.0043	0.0030	0.0066
3653	0.0045	0.0061	0.0048	0.0040	0.0070	0.0056	0.0082	0.0028	0.0043	0.0030	0.0065
3652	0.0045	0.0061	0.0048	0.0040	0.0070	0.0056	0.0082	0.0029	0.0044	0.0031	0.0065

3651	0.0046	0.0063	0.0048	0.0039	0.0071	0.0057	0.0081	0.0030	0.0046	0.0032	0.0065
3650	0.0046	0.0064	0.0049	0.0039	0.0072	0.0058	0.0081	0.0031	0.0047	0.0033	0.0066
3649	0.0047	0.0064	0.0050	0.0040	0.0073	0.0060	0.0082	0.0030	0.0048	0.0034	0.0067
3648	0.0047	0.0064	0.0050	0.0041	0.0074	0.0061	0.0083	0.0030	0.0047	0.0034	0.0068
3647	0.0047	0.0064	0.0051	0.0041	0.0075	0.0062	0.0084	0.0029	0.0047	0.0035	0.0070
3646	0.0047	0.0064	0.0051	0.0042	0.0076	0.0063	0.0085	0.0029	0.0047	0.0035	0.0070
3645	0.0047	0.0065	0.0052	0.0043	0.0077	0.0064	0.0085	0.0029	0.0047	0.0035	0.0071
3644	0.0048	0.0066	0.0052	0.0044	0.0078	0.0065	0.0086	0.0030	0.0047	0.0036	0.0071
3643	0.0048	0.0068	0.0053	0.0045	0.0079	0.0067	0.0088	0.0030	0.0048	0.0036	0.0071
3642	0.0049	0.0068	0.0054	0.0046	0.0080	0.0068	0.0089	0.0032	0.0048	0.0037	0.0071
3641	0.0049	0.0069	0.0056	0.0047	0.0082	0.0070	0.0090	0.0033	0.0049	0.0038	0.0071
3640	0.0050	0.0069	0.0057	0.0048	0.0083	0.0071	0.0092	0.0034	0.0051	0.0039	0.0071
3639	0.0051	0.0070	0.0058	0.0049	0.0084	0.0072	0.0093	0.0035	0.0052	0.0041	0.0072
3638	0.0052	0.0071	0.0059	0.0050	0.0086	0.0074	0.0095	0.0035	0.0053	0.0042	0.0073
3637	0.0053	0.0072	0.0060	0.0051	0.0087	0.0075	0.0096	0.0036	0.0055	0.0044	0.0074
3636	0.0054	0.0074	0.0061	0.0053	0.0088	0.0076	0.0097	0.0037	0.0056	0.0045	0.0075
3635	0.0054	0.0076	0.0061	0.0055	0.0089	0.0076	0.0098	0.0038	0.0056	0.0046	0.0076
3634	0.0054	0.0077	0.0062	0.0056	0.0089	0.0077	0.0098	0.0039	0.0056	0.0045	0.0077
3633	0.0054	0.0078	0.0062	0.0056	0.0089	0.0077	0.0098	0.0039	0.0056	0.0045	0.0077
3632	0.0054	0.0078	0.0062	0.0057	0.0090	0.0079	0.0098	0.0039	0.0057	0.0046	0.0078
3631	0.0055	0.0078	0.0063	0.0057	0.0091	0.0080	0.0100	0.0039	0.0058	0.0047	0.0079
3630	0.0056	0.0079	0.0064	0.0058	0.0092	0.0082	0.0101	0.0040	0.0060	0.0048	0.0080
3629	0.0057	0.0080	0.0064	0.0059	0.0092	0.0083	0.0102	0.0041	0.0061	0.0049	0.0081
3628	0.0057	0.0082	0.0065	0.0060	0.0093	0.0084	0.0103	0.0041	0.0062	0.0050	0.0082
3627	0.0057	0.0083	0.0065	0.0061	0.0095	0.0085	0.0104	0.0043	0.0063	0.0051	0.0082
3626	0.0058	0.0085	0.0065	0.0062	0.0098	0.0087	0.0106	0.0044	0.0064	0.0052	0.0082
3625	0.0059	0.0086	0.0066	0.0063	0.0100	0.0088	0.0108	0.0045	0.0065	0.0054	0.0083
3624	0.0059	0.0087	0.0067	0.0064	0.0102	0.0090	0.0109	0.0046	0.0066	0.0055	0.0083
3623	0.0059	0.0089	0.0068	0.0065	0.0104	0.0091	0.0110	0.0047	0.0067	0.0056	0.0084
3622	0.0060	0.0090	0.0070	0.0067	0.0105	0.0092	0.0111	0.0048	0.0068	0.0057	0.0085
3621	0.0061	0.0091	0.0071	0.0068	0.0106	0.0094	0.0111	0.0050	0.0070	0.0057	0.0086
3620	0.0063	0.0092	0.0072	0.0069	0.0108	0.0096	0.0112	0.0051	0.0071	0.0058	0.0088
3619	0.0064	0.0093	0.0073	0.0070	0.0109	0.0098	0.0113	0.0053	0.0072	0.0059	0.0090
3618	0.0064	0.0094	0.0073	0.0071	0.0111	0.0100	0.0114	0.0054	0.0073	0.0061	0.0091
3617	0.0065	0.0095	0.0074	0.0073	0.0113	0.0102	0.0116	0.0054	0.0074	0.0062	0.0091
3616	0.0065	0.0096	0.0075	0.0074	0.0115	0.0104	0.0118	0.0055	0.0075	0.0063	0.0092
3615	0.0066	0.0097	0.0075	0.0076	0.0116	0.0106	0.0119	0.0055	0.0076	0.0064	0.0092
3614	0.0066	0.0098	0.0076	0.0078	0.0117	0.0108	0.0121	0.0056	0.0076	0.0065	0.0093
3613	0.0067	0.0099	0.0076	0.0079	0.0118	0.0109	0.0123	0.0057	0.0077	0.0067	0.0094
3612	0.0067	0.0100	0.0076	0.0081	0.0119	0.0110	0.0124	0.0058	0.0078	0.0068	0.0095
3611	0.0068	0.0101	0.0076	0.0082	0.0121	0.0112	0.0125	0.0059	0.0078	0.0069	0.0096
3610	0.0068	0.0102	0.0077	0.0083	0.0122	0.0113	0.0126	0.0060	0.0079	0.0070	0.0097
3609	0.0069	0.0103	0.0079	0.0083	0.0124	0.0115	0.0126	0.0060	0.0080	0.0072	0.0097
3608	0.0070	0.0104	0.0080	0.0084	0.0125	0.0116	0.0127	0.0061	0.0081	0.0073	0.0097

3607	0.0070	0.0105	0.0081	0.0085	0.0127	0.0118	0.0128	0.0062	0.0082	0.0074	0.0097
3606	0.0071	0.0106	0.0083	0.0087	0.0129	0.0120	0.0129	0.0063	0.0084	0.0075	0.0097
3605	0.0073	0.0108	0.0084	0.0088	0.0131	0.0121	0.0131	0.0064	0.0085	0.0076	0.0099
3604	0.0074	0.0109	0.0085	0.0089	0.0134	0.0122	0.0132	0.0065	0.0087	0.0077	0.0100
3603	0.0074	0.0111	0.0087	0.0091	0.0136	0.0124	0.0133	0.0066	0.0088	0.0078	0.0101
3602	0.0075	0.0112	0.0088	0.0092	0.0138	0.0126	0.0134	0.0067	0.0090	0.0080	0.0103
3601	0.0076	0.0114	0.0089	0.0093	0.0140	0.0128	0.0136	0.0068	0.0091	0.0081	0.0104
3600	0.0077	0.0115	0.0090	0.0094	0.0142	0.0130	0.0139	0.0069	0.0093	0.0081	0.0105
3599	0.0078	0.0117	0.0091	0.0096	0.0143	0.0132	0.0141	0.0069	0.0094	0.0082	0.0105
3598	0.0079	0.0117	0.0091	0.0098	0.0145	0.0134	0.0142	0.0070	0.0096	0.0083	0.0106
3597	0.0079	0.0117	0.0091	0.0099	0.0146	0.0136	0.0143	0.0071	0.0097	0.0084	0.0107
3596	0.0080	0.0118	0.0092	0.0101	0.0148	0.0138	0.0144	0.0072	0.0098	0.0085	0.0109
3595	0.0081	0.0119	0.0094	0.0102	0.0150	0.0141	0.0145	0.0075	0.0100	0.0087	0.0110
3594	0.0083	0.0121	0.0095	0.0104	0.0152	0.0143	0.0147	0.0077	0.0101	0.0089	0.0111
3593	0.0084	0.0124	0.0097	0.0106	0.0155	0.0145	0.0150	0.0079	0.0103	0.0091	0.0112
3592	0.0086	0.0126	0.0098	0.0107	0.0157	0.0147	0.0153	0.0080	0.0104	0.0093	0.0114
3591	0.0087	0.0128	0.0099	0.0109	0.0159	0.0148	0.0156	0.0082	0.0105	0.0095	0.0115
3590	0.0088	0.0130	0.0100	0.0111	0.0161	0.0150	0.0158	0.0083	0.0106	0.0096	0.0117
3589	0.0089	0.0131	0.0100	0.0113	0.0162	0.0151	0.0159	0.0084	0.0108	0.0096	0.0118
3588	0.0089	0.0132	0.0101	0.0114	0.0163	0.0153	0.0160	0.0085	0.0109	0.0096	0.0118
3587	0.0090	0.0133	0.0102	0.0115	0.0164	0.0154	0.0161	0.0086	0.0110	0.0096	0.0118
3586	0.0090	0.0134	0.0103	0.0117	0.0167	0.0157	0.0162	0.0087	0.0111	0.0097	0.0119
3585	0.0091	0.0136	0.0104	0.0118	0.0169	0.0159	0.0163	0.0088	0.0113	0.0099	0.0120
3584	0.0092	0.0138	0.0106	0.0120	0.0172	0.0162	0.0165	0.0090	0.0114	0.0101	0.0122
3583	0.0093	0.0140	0.0108	0.0122	0.0175	0.0165	0.0167	0.0091	0.0116	0.0104	0.0123
3582	0.0095	0.0142	0.0110	0.0125	0.0178	0.0167	0.0169	0.0093	0.0118	0.0106	0.0125
3581	0.0096	0.0143	0.0112	0.0127	0.0181	0.0169	0.0172	0.0095	0.0120	0.0109	0.0127
3580	0.0098	0.0145	0.0114	0.0128	0.0184	0.0172	0.0174	0.0096	0.0121	0.0110	0.0129
3579	0.0099	0.0147	0.0116	0.0130	0.0186	0.0174	0.0176	0.0098	0.0123	0.0112	0.0130
3578	0.0100	0.0149	0.0117	0.0131	0.0189	0.0177	0.0179	0.0099	0.0124	0.0113	0.0131
3577	0.0101	0.0151	0.0118	0.0133	0.0190	0.0179	0.0181	0.0101	0.0126	0.0115	0.0132
3576	0.0102	0.0153	0.0119	0.0134	0.0192	0.0181	0.0182	0.0102	0.0128	0.0117	0.0133
3575	0.0103	0.0156	0.0120	0.0136	0.0194	0.0183	0.0184	0.0104	0.0130	0.0118	0.0134
3574	0.0104	0.0157	0.0121	0.0137	0.0196	0.0185	0.0185	0.0106	0.0132	0.0120	0.0135
3573	0.0105	0.0159	0.0122	0.0139	0.0198	0.0187	0.0187	0.0107	0.0133	0.0121	0.0136
3572	0.0106	0.0161	0.0123	0.0141	0.0201	0.0189	0.0190	0.0108	0.0135	0.0122	0.0136
3571	0.0107	0.0162	0.0124	0.0144	0.0203	0.0191	0.0192	0.0109	0.0137	0.0123	0.0138
3570	0.0108	0.0164	0.0126	0.0146	0.0206	0.0194	0.0194	0.0111	0.0139	0.0125	0.0140
3569	0.0110	0.0166	0.0128	0.0148	0.0209	0.0197	0.0196	0.0113	0.0141	0.0127	0.0141
3568	0.0111	0.0168	0.0130	0.0149	0.0211	0.0199	0.0198	0.0114	0.0142	0.0128	0.0143
3567	0.0112	0.0170	0.0131	0.0150	0.0213	0.0201	0.0200	0.0115	0.0144	0.0129	0.0144
3566	0.0113	0.0172	0.0132	0.0152	0.0215	0.0203	0.0201	0.0117	0.0146	0.0130	0.0145
3565	0.0115	0.0174	0.0133	0.0155	0.0218	0.0206	0.0203	0.0118	0.0148	0.0132	0.0146
3564	0.0117	0.0177	0.0135	0.0157	0.0221	0.0209	0.0206	0.0121	0.0151	0.0135	0.0148

3563	0.0118	0.0179	0.0137	0.0160	0.0224	0.0212	0.0209	0.0123	0.0153	0.0137	0.0150
3562	0.0120	0.0181	0.0139	0.0162	0.0227	0.0215	0.0212	0.0125	0.0155	0.0140	0.0152
3561	0.0121	0.0183	0.0141	0.0165	0.0229	0.0218	0.0214	0.0127	0.0156	0.0142	0.0153
3560	0.0122	0.0185	0.0142	0.0167	0.0232	0.0221	0.0217	0.0128	0.0158	0.0144	0.0155
3559	0.0123	0.0187	0.0144	0.0169	0.0235	0.0224	0.0219	0.0130	0.0159	0.0146	0.0156
3558	0.0125	0.0189	0.0146	0.0171	0.0237	0.0227	0.0221	0.0132	0.0160	0.0148	0.0158
3557	0.0126	0.0190	0.0148	0.0172	0.0240	0.0230	0.0223	0.0133	0.0161	0.0150	0.0159
3556	0.0127	0.0192	0.0149	0.0174	0.0243	0.0232	0.0224	0.0134	0.0163	0.0152	0.0161
3555	0.0128	0.0193	0.0150	0.0177	0.0246	0.0234	0.0226	0.0136	0.0165	0.0154	0.0162
3554	0.0130	0.0195	0.0152	0.0179	0.0248	0.0237	0.0228	0.0137	0.0168	0.0155	0.0163
3553	0.0132	0.0197	0.0153	0.0182	0.0250	0.0239	0.0230	0.0139	0.0170	0.0157	0.0164
3552	0.0133	0.0199	0.0155	0.0184	0.0253	0.0242	0.0233	0.0141	0.0173	0.0158	0.0165
3551	0.0134	0.0202	0.0156	0.0186	0.0255	0.0245	0.0235	0.0144	0.0175	0.0159	0.0167
3550	0.0135	0.0204	0.0157	0.0187	0.0258	0.0247	0.0238	0.0145	0.0176	0.0161	0.0168
3549	0.0136	0.0206	0.0158	0.0188	0.0261	0.0249	0.0240	0.0147	0.0177	0.0162	0.0170
3548	0.0138	0.0208	0.0159	0.0190	0.0263	0.0252	0.0242	0.0148	0.0179	0.0164	0.0172
3547	0.0139	0.0210	0.0161	0.0192	0.0266	0.0254	0.0244	0.0149	0.0180	0.0166	0.0173
3546	0.0140	0.0212	0.0162	0.0195	0.0268	0.0257	0.0245	0.0151	0.0182	0.0168	0.0175
3545	0.0142	0.0214	0.0164	0.0197	0.0270	0.0260	0.0247	0.0152	0.0184	0.0170	0.0176
3544	0.0143	0.0215	0.0166	0.0200	0.0274	0.0263	0.0249	0.0154	0.0186	0.0172	0.0177
3543	0.0145	0.0218	0.0168	0.0202	0.0277	0.0266	0.0252	0.0156	0.0188	0.0174	0.0179
3542	0.0147	0.0220	0.0170	0.0205	0.0282	0.0270	0.0255	0.0159	0.0191	0.0177	0.0181
3541	0.0149	0.0224	0.0172	0.0208	0.0286	0.0273	0.0259	0.0162	0.0193	0.0179	0.0184
3540	0.0151	0.0226	0.0174	0.0211	0.0289	0.0277	0.0262	0.0164	0.0196	0.0181	0.0186
3539	0.0152	0.0228	0.0176	0.0214	0.0292	0.0279	0.0266	0.0166	0.0199	0.0184	0.0188
3538	0.0153	0.0230	0.0177	0.0216	0.0294	0.0282	0.0268	0.0167	0.0201	0.0186	0.0189
3537	0.0154	0.0231	0.0178	0.0218	0.0297	0.0284	0.0270	0.0168	0.0202	0.0187	0.0189
3536	0.0155	0.0234	0.0179	0.0220	0.0299	0.0286	0.0272	0.0169	0.0203	0.0189	0.0190
3535	0.0156	0.0236	0.0180	0.0221	0.0302	0.0289	0.0274	0.0171	0.0204	0.0191	0.0192
3534	0.0158	0.0239	0.0183	0.0224	0.0305	0.0293	0.0276	0.0173	0.0207	0.0193	0.0194
3533	0.0160	0.0242	0.0185	0.0226	0.0309	0.0297	0.0279	0.0176	0.0209	0.0195	0.0196
3532	0.0162	0.0245	0.0188	0.0229	0.0312	0.0300	0.0282	0.0178	0.0212	0.0197	0.0199
3531	0.0163	0.0247	0.0190	0.0231	0.0315	0.0303	0.0285	0.0180	0.0215	0.0199	0.0201
3530	0.0165	0.0249	0.0192	0.0234	0.0318	0.0306	0.0288	0.0183	0.0218	0.0201	0.0203
3529	0.0166	0.0252	0.0194	0.0236	0.0322	0.0309	0.0291	0.0185	0.0220	0.0203	0.0205
3528	0.0168	0.0254	0.0196	0.0239	0.0326	0.0312	0.0294	0.0187	0.0223	0.0205	0.0207
3527	0.0170	0.0257	0.0197	0.0242	0.0329	0.0315	0.0297	0.0189	0.0225	0.0208	0.0208
3526	0.0171	0.0260	0.0199	0.0245	0.0333	0.0318	0.0299	0.0191	0.0227	0.0210	0.0209
3525	0.0172	0.0262	0.0201	0.0247	0.0336	0.0322	0.0302	0.0192	0.0229	0.0212	0.0210
3524	0.0173	0.0265	0.0202	0.0249	0.0339	0.0326	0.0305	0.0194	0.0231	0.0214	0.0212
3523	0.0174	0.0268	0.0204	0.0252	0.0342	0.0330	0.0308	0.0196	0.0234	0.0217	0.0213
3522	0.0176	0.0271	0.0207	0.0254	0.0345	0.0333	0.0311	0.0198	0.0237	0.0219	0.0215
3521	0.0177	0.0273	0.0209	0.0257	0.0349	0.0337	0.0314	0.0201	0.0240	0.0222	0.0217
3520	0.0179	0.0276	0.0211	0.0260	0.0354	0.0341	0.0318	0.0204	0.0243	0.0225	0.0219

3519	0.0180	0.0278	0.0214	0.0262	0.0358	0.0345	0.0321	0.0207	0.0245	0.0227	0.0220
3518	0.0182	0.0281	0.0216	0.0265	0.0362	0.0349	0.0324	0.0210	0.0248	0.0230	0.0222
3517	0.0184	0.0284	0.0218	0.0269	0.0367	0.0353	0.0327	0.0212	0.0251	0.0233	0.0225
3516	0.0185	0.0287	0.0220	0.0272	0.0371	0.0356	0.0330	0.0215	0.0253	0.0235	0.0227
3515	0.0187	0.0291	0.0223	0.0276	0.0375	0.0360	0.0334	0.0218	0.0255	0.0238	0.0230
3514	0.0188	0.0294	0.0225	0.0279	0.0379	0.0363	0.0337	0.0220	0.0258	0.0241	0.0233
3513	0.0190	0.0298	0.0227	0.0282	0.0384	0.0368	0.0341	0.0223	0.0261	0.0244	0.0235
3512	0.0192	0.0302	0.0230	0.0286	0.0389	0.0372	0.0345	0.0225	0.0265	0.0247	0.0238
3511	0.0194	0.0306	0.0233	0.0290	0.0394	0.0377	0.0349	0.0227	0.0269	0.0251	0.0241
3510	0.0196	0.0310	0.0236	0.0295	0.0399	0.0383	0.0354	0.0230	0.0273	0.0255	0.0243
3509	0.0197	0.0314	0.0239	0.0299	0.0404	0.0388	0.0358	0.0233	0.0277	0.0258	0.0246
3508	0.0199	0.0318	0.0242	0.0304	0.0410	0.0393	0.0363	0.0236	0.0281	0.0261	0.0248
3507	0.0201	0.0322	0.0245	0.0308	0.0416	0.0399	0.0367	0.0239	0.0285	0.0265	0.0251
3506	0.0203	0.0326	0.0247	0.0312	0.0422	0.0405	0.0372	0.0243	0.0289	0.0268	0.0253
3505	0.0204	0.0331	0.0250	0.0316	0.0429	0.0410	0.0377	0.0246	0.0293	0.0272	0.0256
3504	0.0206	0.0335	0.0253	0.0321	0.0435	0.0416	0.0382	0.0250	0.0296	0.0275	0.0258
3503	0.0207	0.0340	0.0256	0.0325	0.0441	0.0422	0.0387	0.0253	0.0300	0.0278	0.0261
3502	0.0209	0.0344	0.0259	0.0329	0.0447	0.0428	0.0392	0.0257	0.0304	0.0281	0.0264
3501	0.0210	0.0349	0.0262	0.0333	0.0453	0.0433	0.0397	0.0260	0.0307	0.0284	0.0266
3500	0.0211	0.0353	0.0265	0.0338	0.0460	0.0439	0.0402	0.0264	0.0311	0.0288	0.0269
3499	0.0213	0.0356	0.0269	0.0342	0.0467	0.0444	0.0407	0.0267	0.0315	0.0292	0.0271
3498	0.0214	0.0361	0.0272	0.0346	0.0474	0.0449	0.0412	0.0270	0.0320	0.0296	0.0274
3497	0.0216	0.0365	0.0275	0.0351	0.0480	0.0454	0.0417	0.0273	0.0324	0.0300	0.0277
3496	0.0218	0.0371	0.0278	0.0356	0.0487	0.0460	0.0423	0.0276	0.0328	0.0305	0.0280
3495	0.0220	0.0376	0.0282	0.0361	0.0493	0.0467	0.0428	0.0279	0.0332	0.0309	0.0283
3494	0.0222	0.0381	0.0285	0.0365	0.0499	0.0473	0.0434	0.0283	0.0336	0.0312	0.0285
3493	0.0223	0.0385	0.0289	0.0369	0.0505	0.0479	0.0438	0.0286	0.0340	0.0315	0.0288
3492	0.0225	0.0389	0.0292	0.0373	0.0511	0.0484	0.0442	0.0289	0.0343	0.0318	0.0290
3491	0.0227	0.0392	0.0295	0.0377	0.0517	0.0489	0.0447	0.0292	0.0347	0.0321	0.0293
3490	0.0228	0.0395	0.0297	0.0381	0.0523	0.0494	0.0451	0.0295	0.0350	0.0325	0.0296
3489	0.0231	0.0399	0.0300	0.0385	0.0528	0.0499	0.0456	0.0298	0.0354	0.0329	0.0299
3488	0.0233	0.0402	0.0302	0.0389	0.0533	0.0503	0.0460	0.0301	0.0357	0.0332	0.0301
3487	0.0235	0.0405	0.0304	0.0391	0.0536	0.0507	0.0463	0.0303	0.0359	0.0335	0.0303
3486	0.0237	0.0407	0.0306	0.0394	0.0539	0.0510	0.0466	0.0305	0.0361	0.0337	0.0304
3485	0.0239	0.0409	0.0309	0.0396	0.0541	0.0512	0.0468	0.0307	0.0364	0.0339	0.0305
3484	0.0240	0.0411	0.0311	0.0398	0.0543	0.0515	0.0470	0.0309	0.0366	0.0342	0.0307
3483	0.0242	0.0413	0.0312	0.0399	0.0545	0.0517	0.0472	0.0310	0.0368	0.0343	0.0308
3482	0.0243	0.0415	0.0313	0.0401	0.0547	0.0519	0.0474	0.0311	0.0370	0.0345	0.0310
3481	0.0245	0.0416	0.0314	0.0402	0.0549	0.0521	0.0475	0.0312	0.0372	0.0346	0.0311
3480	0.0246	0.0418	0.0314	0.0403	0.0551	0.0522	0.0476	0.0313	0.0373	0.0346	0.0312
3479	0.0248	0.0420	0.0315	0.0404	0.0552	0.0523	0.0477	0.0315	0.0374	0.0348	0.0312
3478	0.0250	0.0421	0.0317	0.0406	0.0554	0.0525	0.0479	0.0318	0.0376	0.0350	0.0314
3477	0.0252	0.0423	0.0318	0.0408	0.0557	0.0527	0.0481	0.0320	0.0377	0.0352	0.0315
3476	0.0253	0.0425	0.0320	0.0410	0.0559	0.0530	0.0484	0.0322	0.0379	0.0353	0.0318

3475	0.0255	0.0426	0.0322	0.0413	0.0562	0.0532	0.0486	0.0324	0.0380	0.0354	0.0320
3474	0.0257	0.0428	0.0323	0.0415	0.0564	0.0535	0.0488	0.0325	0.0382	0.0355	0.0321
3473	0.0259	0.0429	0.0324	0.0416	0.0566	0.0537	0.0490	0.0327	0.0383	0.0357	0.0322
3472	0.0260	0.0432	0.0326	0.0418	0.0567	0.0540	0.0493	0.0328	0.0385	0.0359	0.0323
3471	0.0262	0.0434	0.0327	0.0419	0.0569	0.0543	0.0495	0.0330	0.0387	0.0361	0.0325
3470	0.0264	0.0437	0.0329	0.0421	0.0572	0.0546	0.0499	0.0332	0.0389	0.0364	0.0326
3469	0.0265	0.0439	0.0331	0.0423	0.0575	0.0550	0.0502	0.0334	0.0391	0.0366	0.0329
3468	0.0267	0.0441	0.0332	0.0426	0.0579	0.0553	0.0506	0.0337	0.0394	0.0369	0.0331
3467	0.0269	0.0444	0.0334	0.0428	0.0583	0.0557	0.0509	0.0339	0.0396	0.0371	0.0333
3466	0.0271	0.0447	0.0336	0.0431	0.0587	0.0560	0.0513	0.0342	0.0399	0.0374	0.0335
3465	0.0273	0.0450	0.0338	0.0434	0.0592	0.0564	0.0516	0.0344	0.0402	0.0376	0.0337
3464	0.0275	0.0453	0.0340	0.0437	0.0596	0.0567	0.0519	0.0345	0.0404	0.0379	0.0339
3463	0.0276	0.0456	0.0341	0.0440	0.0600	0.0571	0.0521	0.0347	0.0407	0.0381	0.0340
3462	0.0277	0.0458	0.0342	0.0443	0.0604	0.0574	0.0524	0.0348	0.0409	0.0384	0.0342
3461	0.0278	0.0461	0.0344	0.0446	0.0609	0.0578	0.0528	0.0350	0.0411	0.0387	0.0344
3460	0.0279	0.0464	0.0347	0.0449	0.0614	0.0582	0.0532	0.0352	0.0414	0.0390	0.0346
3459	0.0281	0.0468	0.0351	0.0453	0.0620	0.0587	0.0536	0.0355	0.0418	0.0393	0.0349
3458	0.0283	0.0472	0.0355	0.0457	0.0626	0.0592	0.0541	0.0359	0.0421	0.0396	0.0351
3457	0.0284	0.0476	0.0358	0.0461	0.0632	0.0597	0.0545	0.0362	0.0425	0.0399	0.0353
3456	0.0286	0.0480	0.0361	0.0465	0.0638	0.0603	0.0550	0.0365	0.0428	0.0403	0.0355
3455	0.0288	0.0485	0.0364	0.0470	0.0644	0.0608	0.0554	0.0369	0.0432	0.0406	0.0357
3454	0.0290	0.0489	0.0368	0.0474	0.0650	0.0614	0.0559	0.0372	0.0437	0.0410	0.0360
3453	0.0293	0.0494	0.0371	0.0480	0.0657	0.0621	0.0564	0.0376	0.0441	0.0414	0.0363
3452	0.0295	0.0498	0.0374	0.0485	0.0663	0.0627	0.0570	0.0379	0.0446	0.0418	0.0366
3451	0.0296	0.0503	0.0377	0.0489	0.0670	0.0633	0.0575	0.0383	0.0449	0.0422	0.0369
3450	0.0298	0.0507	0.0380	0.0493	0.0676	0.0638	0.0580	0.0386	0.0453	0.0425	0.0373
3449	0.0299	0.0512	0.0382	0.0497	0.0682	0.0642	0.0585	0.0388	0.0456	0.0429	0.0376
3448	0.0300	0.0516	0.0385	0.0501	0.0687	0.0647	0.0589	0.0390	0.0459	0.0431	0.0379
3447	0.0302	0.0519	0.0387	0.0504	0.0692	0.0652	0.0592	0.0392	0.0462	0.0434	0.0380
3446	0.0303	0.0523	0.0390	0.0507	0.0697	0.0656	0.0595	0.0394	0.0465	0.0436	0.0382
3445	0.0305	0.0526	0.0393	0.0511	0.0702	0.0661	0.0599	0.0397	0.0469	0.0439	0.0383
3444	0.0308	0.0529	0.0395	0.0514	0.0707	0.0666	0.0603	0.0400	0.0472	0.0442	0.0386
3443	0.0309	0.0531	0.0397	0.0517	0.0710	0.0669	0.0606	0.0402	0.0474	0.0444	0.0388
3442	0.0311	0.0533	0.0399	0.0519	0.0713	0.0672	0.0608	0.0404	0.0476	0.0445	0.0390
3441	0.0312	0.0534	0.0400	0.0521	0.0715	0.0674	0.0609	0.0406	0.0477	0.0447	0.0391
3440	0.0313	0.0535	0.0401	0.0522	0.0716	0.0675	0.0610	0.0407	0.0478	0.0448	0.0392
3439	0.0315	0.0537	0.0402	0.0523	0.0718	0.0676	0.0612	0.0408	0.0480	0.0449	0.0393
3438	0.0316	0.0538	0.0403	0.0524	0.0719	0.0677	0.0613	0.0408	0.0481	0.0450	0.0394
3437	0.0318	0.0539	0.0403	0.0524	0.0720	0.0678	0.0614	0.0408	0.0481	0.0451	0.0394
3436	0.0319	0.0539	0.0403	0.0524	0.0720	0.0678	0.0614	0.0409	0.0481	0.0452	0.0394
3435	0.0320	0.0540	0.0403	0.0524	0.0720	0.0678	0.0615	0.0409	0.0481	0.0452	0.0394
3434	0.0322	0.0540	0.0403	0.0524	0.0720	0.0678	0.0616	0.0410	0.0481	0.0453	0.0394
3433	0.0324	0.0540	0.0403	0.0525	0.0720	0.0679	0.0617	0.0410	0.0481	0.0453	0.0395
3432	0.0326	0.0540	0.0404	0.0526	0.0720	0.0680	0.0618	0.0411	0.0482	0.0454	0.0396

3431	0.0327	0.0540	0.0405	0.0526	0.0721	0.0681	0.0618	0.0411	0.0482	0.0455	0.0396
3430	0.0328	0.0540	0.0405	0.0526	0.0720	0.0681	0.0618	0.0411	0.0482	0.0456	0.0397
3429	0.0329	0.0540	0.0406	0.0526	0.0720	0.0681	0.0618	0.0412	0.0482	0.0456	0.0397
3428	0.0330	0.0540	0.0406	0.0526	0.0719	0.0681	0.0617	0.0412	0.0482	0.0456	0.0397
3427	0.0331	0.0540	0.0405	0.0526	0.0719	0.0682	0.0617	0.0412	0.0482	0.0455	0.0397
3426	0.0332	0.0541	0.0405	0.0526	0.0719	0.0682	0.0617	0.0412	0.0482	0.0455	0.0397
3425	0.0333	0.0541	0.0405	0.0527	0.0719	0.0683	0.0617	0.0412	0.0483	0.0456	0.0398
3424	0.0335	0.0542	0.0405	0.0527	0.0719	0.0683	0.0617	0.0413	0.0484	0.0456	0.0398
3423	0.0337	0.0542	0.0405	0.0528	0.0720	0.0684	0.0618	0.0414	0.0485	0.0457	0.0399
3422	0.0338	0.0542	0.0406	0.0528	0.0721	0.0684	0.0619	0.0414	0.0485	0.0458	0.0399
3421	0.0340	0.0543	0.0406	0.0529	0.0722	0.0685	0.0620	0.0415	0.0486	0.0459	0.0399
3420	0.0341	0.0544	0.0407	0.0530	0.0724	0.0686	0.0622	0.0416	0.0487	0.0460	0.0400
3419	0.0342	0.0546	0.0408	0.0531	0.0725	0.0687	0.0623	0.0417	0.0488	0.0461	0.0400
3418	0.0343	0.0546	0.0409	0.0531	0.0726	0.0689	0.0625	0.0418	0.0488	0.0462	0.0401
3417	0.0344	0.0547	0.0410	0.0532	0.0728	0.0690	0.0626	0.0418	0.0489	0.0463	0.0402
3416	0.0346	0.0548	0.0410	0.0533	0.0729	0.0692	0.0627	0.0419	0.0490	0.0463	0.0403
3415	0.0347	0.0549	0.0411	0.0534	0.0731	0.0694	0.0628	0.0420	0.0490	0.0464	0.0404
3414	0.0349	0.0550	0.0411	0.0535	0.0733	0.0695	0.0629	0.0421	0.0491	0.0465	0.0405
3413	0.0350	0.0551	0.0412	0.0536	0.0734	0.0696	0.0630	0.0422	0.0492	0.0465	0.0406
3412	0.0351	0.0552	0.0413	0.0536	0.0735	0.0697	0.0630	0.0423	0.0493	0.0466	0.0407
3411	0.0353	0.0553	0.0414	0.0537	0.0736	0.0698	0.0631	0.0424	0.0494	0.0468	0.0408
3410	0.0354	0.0555	0.0415	0.0539	0.0737	0.0700	0.0633	0.0425	0.0496	0.0469	0.0409
3409	0.0356	0.0556	0.0416	0.0541	0.0739	0.0702	0.0634	0.0426	0.0497	0.0471	0.0410
3408	0.0357	0.0557	0.0417	0.0542	0.0740	0.0704	0.0636	0.0426	0.0498	0.0471	0.0410
3407	0.0358	0.0558	0.0417	0.0543	0.0741	0.0705	0.0637	0.0427	0.0498	0.0471	0.0410
3406	0.0359	0.0559	0.0417	0.0544	0.0742	0.0706	0.0638	0.0428	0.0499	0.0472	0.0411
3405	0.0360	0.0560	0.0418	0.0544	0.0743	0.0707	0.0639	0.0429	0.0499	0.0473	0.0411
3404	0.0362	0.0562	0.0419	0.0546	0.0746	0.0709	0.0641	0.0430	0.0501	0.0474	0.0412
3403	0.0363	0.0564	0.0421	0.0547	0.0749	0.0710	0.0643	0.0431	0.0502	0.0476	0.0414
3402	0.0364	0.0565	0.0422	0.0549	0.0751	0.0712	0.0645	0.0432	0.0504	0.0478	0.0415
3401	0.0365	0.0566	0.0424	0.0550	0.0754	0.0713	0.0646	0.0433	0.0505	0.0479	0.0416
3400	0.0366	0.0567	0.0424	0.0551	0.0755	0.0714	0.0647	0.0434	0.0505	0.0480	0.0416
3399	0.0367	0.0567	0.0424	0.0552	0.0756	0.0715	0.0647	0.0434	0.0506	0.0480	0.0416
3398	0.0367	0.0567	0.0425	0.0552	0.0757	0.0717	0.0648	0.0434	0.0507	0.0480	0.0416
3397	0.0368	0.0568	0.0425	0.0553	0.0758	0.0718	0.0650	0.0435	0.0508	0.0480	0.0417
3396	0.0369	0.0570	0.0426	0.0554	0.0759	0.0719	0.0651	0.0436	0.0508	0.0481	0.0418
3395	0.0370	0.0571	0.0427	0.0555	0.0760	0.0721	0.0653	0.0436	0.0509	0.0482	0.0419
3394	0.0371	0.0573	0.0427	0.0557	0.0761	0.0722	0.0654	0.0436	0.0510	0.0483	0.0420
3393	0.0372	0.0574	0.0428	0.0558	0.0762	0.0723	0.0655	0.0437	0.0512	0.0484	0.0421
3392	0.0373	0.0576	0.0429	0.0560	0.0763	0.0725	0.0657	0.0438	0.0513	0.0486	0.0422
3391	0.0374	0.0577	0.0430	0.0561	0.0765	0.0727	0.0658	0.0439	0.0514	0.0487	0.0423
3390	0.0376	0.0577	0.0431	0.0562	0.0768	0.0729	0.0659	0.0441	0.0515	0.0488	0.0424
3389	0.0377	0.0578	0.0432	0.0563	0.0770	0.0731	0.0661	0.0442	0.0516	0.0489	0.0424
3388	0.0378	0.0578	0.0432	0.0564	0.0772	0.0732	0.0662	0.0443	0.0517	0.0490	0.0424

3387	0.0378	0.0578	0.0432	0.0564	0.0773	0.0732	0.0663	0.0443	0.0517	0.0491	0.0424
3386	0.0379	0.0579	0.0432	0.0565	0.0774	0.0733	0.0664	0.0444	0.0517	0.0492	0.0424
3385	0.0379	0.0580	0.0433	0.0565	0.0775	0.0735	0.0664	0.0444	0.0518	0.0492	0.0424
3384	0.0380	0.0581	0.0434	0.0566	0.0776	0.0737	0.0665	0.0445	0.0519	0.0493	0.0425
3383	0.0381	0.0582	0.0435	0.0568	0.0778	0.0739	0.0666	0.0445	0.0520	0.0494	0.0426
3382	0.0382	0.0584	0.0436	0.0569	0.0780	0.0740	0.0667	0.0446	0.0521	0.0495	0.0428
3381	0.0384	0.0585	0.0437	0.0570	0.0781	0.0741	0.0669	0.0447	0.0522	0.0496	0.0429
3380	0.0385	0.0587	0.0438	0.0571	0.0783	0.0742	0.0670	0.0447	0.0522	0.0497	0.0429
3379	0.0386	0.0588	0.0439	0.0572	0.0784	0.0742	0.0671	0.0448	0.0523	0.0498	0.0430
3378	0.0387	0.0589	0.0440	0.0572	0.0786	0.0743	0.0673	0.0448	0.0524	0.0499	0.0430
3377	0.0388	0.0590	0.0441	0.0573	0.0787	0.0745	0.0673	0.0449	0.0525	0.0500	0.0431
3376	0.0389	0.0590	0.0442	0.0574	0.0789	0.0746	0.0674	0.0450	0.0526	0.0500	0.0432
3375	0.0390	0.0591	0.0442	0.0576	0.0790	0.0747	0.0675	0.0451	0.0527	0.0501	0.0433
3374	0.0391	0.0592	0.0443	0.0577	0.0791	0.0749	0.0676	0.0453	0.0529	0.0503	0.0434
3373	0.0392	0.0593	0.0444	0.0578	0.0793	0.0750	0.0678	0.0454	0.0530	0.0503	0.0434
3372	0.0393	0.0594	0.0444	0.0580	0.0794	0.0752	0.0679	0.0455	0.0531	0.0504	0.0435
3371	0.0394	0.0595	0.0444	0.0580	0.0796	0.0753	0.0680	0.0455	0.0531	0.0504	0.0435
3370	0.0395	0.0596	0.0444	0.0581	0.0797	0.0754	0.0680	0.0455	0.0532	0.0504	0.0436
3369	0.0396	0.0596	0.0444	0.0582	0.0798	0.0755	0.0681	0.0455	0.0532	0.0505	0.0436
3368	0.0397	0.0597	0.0444	0.0582	0.0798	0.0755	0.0681	0.0455	0.0533	0.0505	0.0436
3367	0.0398	0.0598	0.0444	0.0583	0.0799	0.0756	0.0682	0.0455	0.0533	0.0505	0.0436
3366	0.0398	0.0598	0.0445	0.0583	0.0800	0.0756	0.0683	0.0455	0.0534	0.0505	0.0436
3365	0.0398	0.0598	0.0445	0.0583	0.0801	0.0757	0.0683	0.0456	0.0534	0.0505	0.0436
3364	0.0399	0.0598	0.0446	0.0583	0.0802	0.0758	0.0684	0.0456	0.0535	0.0506	0.0436
3363	0.0400	0.0599	0.0446	0.0584	0.0803	0.0760	0.0684	0.0457	0.0536	0.0507	0.0436
3362	0.0402	0.0600	0.0447	0.0586	0.0805	0.0761	0.0685	0.0457	0.0537	0.0507	0.0437
3361	0.0404	0.0602	0.0448	0.0587	0.0806	0.0762	0.0687	0.0458	0.0538	0.0508	0.0438
3360	0.0405	0.0603	0.0449	0.0587	0.0807	0.0762	0.0688	0.0458	0.0538	0.0508	0.0439
3359	0.0406	0.0603	0.0449	0.0588	0.0808	0.0763	0.0689	0.0458	0.0538	0.0509	0.0440
3358	0.0406	0.0603	0.0449	0.0588	0.0809	0.0763	0.0689	0.0458	0.0538	0.0510	0.0440
3357	0.0407	0.0603	0.0449	0.0589	0.0810	0.0763	0.0690	0.0459	0.0538	0.0511	0.0440
3356	0.0408	0.0604	0.0450	0.0590	0.0810	0.0764	0.0690	0.0460	0.0539	0.0512	0.0441
3355	0.0409	0.0605	0.0450	0.0591	0.0811	0.0765	0.0691	0.0460	0.0539	0.0513	0.0442
3354	0.0411	0.0606	0.0451	0.0592	0.0812	0.0766	0.0692	0.0461	0.0540	0.0514	0.0442
3353	0.0412	0.0607	0.0452	0.0593	0.0814	0.0768	0.0693	0.0461	0.0541	0.0514	0.0442
3352	0.0413	0.0608	0.0452	0.0593	0.0815	0.0769	0.0694	0.0461	0.0542	0.0514	0.0442
3351	0.0414	0.0608	0.0452	0.0594	0.0816	0.0769	0.0694	0.0461	0.0542	0.0514	0.0442
3350	0.0415	0.0608	0.0452	0.0594	0.0816	0.0770	0.0694	0.0461	0.0542	0.0514	0.0442
3349	0.0416	0.0608	0.0452	0.0594	0.0817	0.0770	0.0694	0.0461	0.0542	0.0514	0.0442
3348	0.0417	0.0608	0.0452	0.0594	0.0817	0.0770	0.0695	0.0462	0.0542	0.0515	0.0442
3347	0.0418	0.0608	0.0453	0.0594	0.0818	0.0771	0.0696	0.0462	0.0542	0.0515	0.0442
3346	0.0419	0.0609	0.0453	0.0594	0.0819	0.0771	0.0696	0.0462	0.0543	0.0515	0.0443
3345	0.0420	0.0609	0.0454	0.0595	0.0819	0.0772	0.0696	0.0463	0.0543	0.0515	0.0443
3344	0.0420	0.0610	0.0454	0.0595	0.0820	0.0772	0.0696	0.0463	0.0544	0.0515	0.0443

3343	0.0421	0.0610	0.0454	0.0595	0.0820	0.0772	0.0696	0.0463	0.0544	0.0514	0.0443
3342	0.0422	0.0610	0.0454	0.0594	0.0820	0.0772	0.0697	0.0463	0.0545	0.0514	0.0443
3341	0.0422	0.0610	0.0454	0.0594	0.0821	0.0772	0.0698	0.0463	0.0545	0.0515	0.0443
3340	0.0423	0.0610	0.0454	0.0594	0.0821	0.0772	0.0698	0.0462	0.0545	0.0516	0.0443
3339	0.0424	0.0610	0.0454	0.0595	0.0821	0.0772	0.0697	0.0462	0.0546	0.0517	0.0443
3338	0.0425	0.0610	0.0454	0.0595	0.0821	0.0772	0.0697	0.0463	0.0546	0.0517	0.0443
3337	0.0425	0.0610	0.0454	0.0596	0.0821	0.0773	0.0696	0.0463	0.0546	0.0517	0.0443
3336	0.0426	0.0610	0.0454	0.0597	0.0822	0.0773	0.0697	0.0463	0.0546	0.0517	0.0444
3335	0.0427	0.0610	0.0454	0.0597	0.0822	0.0774	0.0697	0.0463	0.0546	0.0518	0.0444
3334	0.0427	0.0610	0.0455	0.0598	0.0822	0.0775	0.0697	0.0462	0.0546	0.0518	0.0444
3333	0.0428	0.0611	0.0455	0.0598	0.0822	0.0775	0.0698	0.0462	0.0546	0.0518	0.0444
3332	0.0428	0.0611	0.0455	0.0598	0.0822	0.0775	0.0698	0.0463	0.0546	0.0519	0.0444
3331	0.0428	0.0611	0.0455	0.0598	0.0822	0.0775	0.0698	0.0463	0.0545	0.0519	0.0444
3330	0.0428	0.0610	0.0455	0.0598	0.0822	0.0774	0.0698	0.0464	0.0545	0.0518	0.0444
3329	0.0427	0.0609	0.0455	0.0597	0.0822	0.0773	0.0697	0.0464	0.0544	0.0517	0.0444
3328	0.0426	0.0609	0.0454	0.0597	0.0822	0.0773	0.0697	0.0464	0.0544	0.0517	0.0444
3327	0.0425	0.0610	0.0454	0.0597	0.0822	0.0773	0.0697	0.0464	0.0544	0.0517	0.0444
3326	0.0425	0.0610	0.0454	0.0597	0.0821	0.0772	0.0696	0.0463	0.0544	0.0517	0.0443
3325	0.0425	0.0610	0.0455	0.0596	0.0820	0.0772	0.0696	0.0462	0.0544	0.0517	0.0443
3324	0.0424	0.0611	0.0455	0.0596	0.0820	0.0772	0.0696	0.0462	0.0544	0.0517	0.0444
3323	0.0424	0.0610	0.0455	0.0596	0.0820	0.0771	0.0696	0.0462	0.0544	0.0517	0.0444
3322	0.0424	0.0610	0.0454	0.0596	0.0820	0.0771	0.0696	0.0462	0.0543	0.0517	0.0445
3321	0.0423	0.0610	0.0454	0.0596	0.0820	0.0770	0.0695	0.0461	0.0543	0.0516	0.0444
3320	0.0422	0.0609	0.0453	0.0595	0.0819	0.0770	0.0695	0.0461	0.0543	0.0515	0.0443
3319	0.0421	0.0608	0.0452	0.0595	0.0818	0.0769	0.0694	0.0460	0.0542	0.0514	0.0442
3318	0.0420	0.0607	0.0451	0.0594	0.0818	0.0769	0.0693	0.0459	0.0542	0.0514	0.0442
3317	0.0419	0.0606	0.0451	0.0593	0.0817	0.0768	0.0693	0.0458	0.0542	0.0514	0.0441
3316	0.0418	0.0605	0.0450	0.0592	0.0816	0.0767	0.0692	0.0457	0.0541	0.0513	0.0441
3315	0.0417	0.0605	0.0450	0.0591	0.0815	0.0766	0.0692	0.0457	0.0541	0.0512	0.0441
3314	0.0416	0.0604	0.0450	0.0590	0.0814	0.0765	0.0691	0.0456	0.0540	0.0511	0.0441
3313	0.0415	0.0603	0.0450	0.0590	0.0814	0.0765	0.0690	0.0456	0.0539	0.0511	0.0440
3312	0.0414	0.0603	0.0450	0.0590	0.0813	0.0764	0.0690	0.0456	0.0539	0.0510	0.0440
3311	0.0414	0.0603	0.0450	0.0590	0.0814	0.0765	0.0691	0.0457	0.0539	0.0511	0.0440
3310	0.0414	0.0604	0.0450	0.0591	0.0814	0.0765	0.0691	0.0457	0.0539	0.0511	0.0440
3309	0.0414	0.0604	0.0451	0.0591	0.0814	0.0765	0.0691	0.0457	0.0539	0.0512	0.0439
3308	0.0414	0.0603	0.0450	0.0591	0.0814	0.0764	0.0691	0.0457	0.0538	0.0512	0.0439
3307	0.0414	0.0602	0.0449	0.0590	0.0813	0.0763	0.0689	0.0456	0.0537	0.0511	0.0439
3306	0.0414	0.0600	0.0449	0.0589	0.0812	0.0763	0.0688	0.0455	0.0536	0.0510	0.0439
3305	0.0413	0.0599	0.0448	0.0589	0.0810	0.0762	0.0688	0.0455	0.0536	0.0509	0.0439
3304	0.0412	0.0599	0.0447	0.0588	0.0809	0.0761	0.0687	0.0454	0.0536	0.0508	0.0438
3303	0.0412	0.0599	0.0447	0.0587	0.0809	0.0761	0.0687	0.0454	0.0535	0.0507	0.0438
3302	0.0412	0.0598	0.0446	0.0586	0.0808	0.0760	0.0687	0.0453	0.0534	0.0507	0.0437
3301	0.0411	0.0598	0.0446	0.0585	0.0807	0.0759	0.0686	0.0453	0.0534	0.0507	0.0437
3300	0.0411	0.0598	0.0446	0.0585	0.0806	0.0758	0.0685	0.0453	0.0533	0.0507	0.0438

3299	0.0410	0.0597	0.0445	0.0585	0.0805	0.0757	0.0684	0.0453	0.0533	0.0507	0.0438
3298	0.0409	0.0597	0.0445	0.0584	0.0805	0.0756	0.0684	0.0453	0.0532	0.0507	0.0438
3297	0.0409	0.0596	0.0444	0.0584	0.0804	0.0756	0.0683	0.0452	0.0532	0.0507	0.0438
3296	0.0409	0.0596	0.0444	0.0583	0.0803	0.0755	0.0682	0.0452	0.0532	0.0506	0.0437
3295	0.0409	0.0595	0.0444	0.0583	0.0803	0.0755	0.0682	0.0451	0.0531	0.0506	0.0437
3294	0.0409	0.0595	0.0443	0.0583	0.0803	0.0755	0.0682	0.0451	0.0531	0.0506	0.0437
3293	0.0409	0.0595	0.0443	0.0583	0.0802	0.0754	0.0681	0.0451	0.0531	0.0505	0.0437
3292	0.0409	0.0594	0.0443	0.0583	0.0801	0.0753	0.0680	0.0451	0.0530	0.0504	0.0436
3291	0.0408	0.0593	0.0443	0.0582	0.0800	0.0752	0.0679	0.0450	0.0529	0.0503	0.0435
3290	0.0407	0.0592	0.0442	0.0580	0.0798	0.0750	0.0677	0.0450	0.0529	0.0502	0.0434
3289	0.0406	0.0591	0.0441	0.0579	0.0797	0.0749	0.0676	0.0448	0.0528	0.0501	0.0433
3288	0.0406	0.0590	0.0440	0.0578	0.0796	0.0748	0.0676	0.0447	0.0527	0.0501	0.0433
3287	0.0406	0.0590	0.0439	0.0577	0.0795	0.0747	0.0675	0.0446	0.0526	0.0500	0.0432
3286	0.0406	0.0589	0.0439	0.0577	0.0795	0.0746	0.0675	0.0445	0.0525	0.0499	0.0431
3285	0.0405	0.0588	0.0439	0.0576	0.0794	0.0746	0.0674	0.0444	0.0524	0.0499	0.0431
3284	0.0404	0.0587	0.0438	0.0576	0.0793	0.0745	0.0673	0.0443	0.0524	0.0498	0.0430
3283	0.0403	0.0587	0.0437	0.0575	0.0791	0.0744	0.0672	0.0442	0.0523	0.0498	0.0430
3282	0.0402	0.0586	0.0436	0.0574	0.0790	0.0744	0.0671	0.0442	0.0523	0.0497	0.0429
3281	0.0402	0.0585	0.0435	0.0573	0.0789	0.0743	0.0670	0.0441	0.0523	0.0497	0.0428
3280	0.0401	0.0584	0.0435	0.0572	0.0787	0.0742	0.0669	0.0441	0.0522	0.0496	0.0427
3279	0.0401	0.0583	0.0434	0.0571	0.0786	0.0740	0.0669	0.0441	0.0521	0.0496	0.0426
3278	0.0401	0.0582	0.0434	0.0570	0.0785	0.0739	0.0668	0.0441	0.0520	0.0495	0.0426
3277	0.0400	0.0581	0.0434	0.0569	0.0785	0.0739	0.0667	0.0440	0.0519	0.0494	0.0427
3276	0.0400	0.0581	0.0434	0.0568	0.0784	0.0738	0.0666	0.0439	0.0519	0.0494	0.0427
3275	0.0399	0.0581	0.0433	0.0567	0.0783	0.0737	0.0665	0.0438	0.0519	0.0493	0.0427
3274	0.0398	0.0580	0.0433	0.0567	0.0781	0.0735	0.0664	0.0437	0.0518	0.0493	0.0426
3273	0.0397	0.0579	0.0432	0.0566	0.0780	0.0734	0.0664	0.0436	0.0518	0.0492	0.0425
3272	0.0396	0.0578	0.0431	0.0566	0.0779	0.0732	0.0662	0.0435	0.0517	0.0492	0.0425
3271	0.0395	0.0577	0.0430	0.0565	0.0777	0.0731	0.0660	0.0434	0.0516	0.0491	0.0425
3270	0.0394	0.0576	0.0430	0.0564	0.0776	0.0729	0.0658	0.0433	0.0515	0.0490	0.0424
3269	0.0393	0.0575	0.0429	0.0563	0.0775	0.0728	0.0656	0.0433	0.0514	0.0488	0.0423
3268	0.0391	0.0574	0.0427	0.0561	0.0774	0.0727	0.0655	0.0433	0.0513	0.0487	0.0423
3267	0.0390	0.0573	0.0426	0.0560	0.0772	0.0726	0.0654	0.0433	0.0512	0.0486	0.0422
3266	0.0389	0.0572	0.0426	0.0559	0.0770	0.0725	0.0654	0.0433	0.0511	0.0486	0.0421
3265	0.0388	0.0571	0.0425	0.0559	0.0768	0.0724	0.0653	0.0432	0.0510	0.0486	0.0420
3264	0.0386	0.0569	0.0425	0.0558	0.0766	0.0723	0.0652	0.0431	0.0509	0.0485	0.0419
3263	0.0385	0.0568	0.0424	0.0557	0.0764	0.0721	0.0651	0.0430	0.0507	0.0484	0.0418
3262	0.0383	0.0567	0.0423	0.0556	0.0762	0.0720	0.0650	0.0428	0.0506	0.0483	0.0417
3261	0.0381	0.0565	0.0422	0.0555	0.0761	0.0718	0.0648	0.0426	0.0505	0.0482	0.0416
3260	0.0379	0.0564	0.0422	0.0554	0.0761	0.0716	0.0647	0.0425	0.0504	0.0481	0.0415
3259	0.0377	0.0563	0.0421	0.0553	0.0760	0.0715	0.0645	0.0425	0.0504	0.0480	0.0415
3258	0.0376	0.0562	0.0421	0.0552	0.0759	0.0713	0.0644	0.0424	0.0503	0.0479	0.0414
3257	0.0375	0.0561	0.0420	0.0551	0.0757	0.0713	0.0643	0.0424	0.0502	0.0478	0.0413
3256	0.0373	0.0560	0.0419	0.0549	0.0756	0.0712	0.0642	0.0423	0.0502	0.0477	0.0413

3255	0.0372	0.0559	0.0418	0.0548	0.0755	0.0710	0.0640	0.0422	0.0501	0.0476	0.0413
3254	0.0370	0.0558	0.0417	0.0547	0.0753	0.0709	0.0639	0.0421	0.0499	0.0475	0.0412
3253	0.0368	0.0557	0.0416	0.0547	0.0751	0.0707	0.0637	0.0420	0.0498	0.0474	0.0411
3252	0.0366	0.0555	0.0415	0.0546	0.0749	0.0705	0.0636	0.0419	0.0497	0.0473	0.0410
3251	0.0364	0.0554	0.0415	0.0545	0.0747	0.0704	0.0635	0.0418	0.0496	0.0472	0.0409
3250	0.0363	0.0554	0.0414	0.0544	0.0746	0.0703	0.0635	0.0417	0.0495	0.0471	0.0409
3249	0.0362	0.0554	0.0414	0.0543	0.0745	0.0702	0.0635	0.0417	0.0494	0.0470	0.0409
3248	0.0361	0.0554	0.0414	0.0542	0.0743	0.0701	0.0634	0.0417	0.0494	0.0470	0.0408
3247	0.0359	0.0553	0.0413	0.0540	0.0741	0.0700	0.0633	0.0416	0.0493	0.0469	0.0408
3246	0.0357	0.0550	0.0412	0.0538	0.0739	0.0698	0.0631	0.0415	0.0492	0.0468	0.0407
3245	0.0355	0.0548	0.0410	0.0536	0.0737	0.0695	0.0629	0.0414	0.0491	0.0466	0.0405
3244	0.0353	0.0546	0.0409	0.0534	0.0735	0.0693	0.0627	0.0412	0.0490	0.0465	0.0403
3243	0.0352	0.0545	0.0408	0.0533	0.0733	0.0691	0.0625	0.0411	0.0489	0.0464	0.0402
3242	0.0350	0.0545	0.0407	0.0532	0.0732	0.0689	0.0623	0.0409	0.0488	0.0463	0.0401
3241	0.0348	0.0543	0.0406	0.0532	0.0730	0.0687	0.0622	0.0408	0.0487	0.0461	0.0401
3240	0.0347	0.0542	0.0405	0.0531	0.0729	0.0685	0.0620	0.0407	0.0486	0.0460	0.0400
3239	0.0345	0.0540	0.0404	0.0529	0.0727	0.0683	0.0619	0.0405	0.0484	0.0459	0.0399
3238	0.0344	0.0539	0.0403	0.0528	0.0725	0.0682	0.0617	0.0404	0.0482	0.0458	0.0398
3237	0.0342	0.0538	0.0402	0.0527	0.0723	0.0681	0.0616	0.0404	0.0481	0.0457	0.0397
3236	0.0341	0.0536	0.0402	0.0526	0.0722	0.0680	0.0614	0.0403	0.0480	0.0456	0.0396
3235	0.0339	0.0536	0.0401	0.0525	0.0720	0.0678	0.0613	0.0403	0.0479	0.0456	0.0395
3234	0.0338	0.0535	0.0400	0.0524	0.0719	0.0677	0.0612	0.0402	0.0478	0.0455	0.0395
3233	0.0337	0.0534	0.0399	0.0523	0.0717	0.0676	0.0611	0.0401	0.0477	0.0454	0.0394
3232	0.0336	0.0533	0.0398	0.0521	0.0716	0.0674	0.0610	0.0400	0.0475	0.0453	0.0394
3231	0.0335	0.0532	0.0397	0.0520	0.0714	0.0673	0.0609	0.0399	0.0474	0.0451	0.0393
3230	0.0333	0.0531	0.0396	0.0519	0.0711	0.0671	0.0608	0.0398	0.0473	0.0450	0.0392
3229	0.0331	0.0529	0.0395	0.0517	0.0709	0.0668	0.0606	0.0397	0.0472	0.0449	0.0391
3228	0.0329	0.0527	0.0394	0.0516	0.0706	0.0666	0.0604	0.0396	0.0471	0.0448	0.0389
3227	0.0328	0.0526	0.0393	0.0515	0.0704	0.0664	0.0602	0.0395	0.0470	0.0446	0.0388
3226	0.0326	0.0524	0.0392	0.0514	0.0702	0.0662	0.0601	0.0394	0.0469	0.0445	0.0387
3225	0.0324	0.0522	0.0391	0.0512	0.0701	0.0660	0.0599	0.0393	0.0468	0.0444	0.0386
3224	0.0323	0.0521	0.0391	0.0511	0.0699	0.0659	0.0598	0.0393	0.0467	0.0443	0.0385
3223	0.0322	0.0520	0.0390	0.0510	0.0698	0.0657	0.0597	0.0392	0.0467	0.0442	0.0384
3222	0.0320	0.0519	0.0389	0.0508	0.0696	0.0655	0.0596	0.0390	0.0466	0.0440	0.0383
3221	0.0319	0.0517	0.0387	0.0507	0.0694	0.0653	0.0594	0.0389	0.0465	0.0438	0.0382
3220	0.0317	0.0516	0.0386	0.0505	0.0691	0.0651	0.0591	0.0387	0.0463	0.0436	0.0380
3219	0.0315	0.0514	0.0384	0.0503	0.0690	0.0649	0.0589	0.0386	0.0461	0.0435	0.0379
3218	0.0314	0.0513	0.0384	0.0501	0.0688	0.0647	0.0587	0.0385	0.0459	0.0434	0.0378
3217	0.0312	0.0512	0.0383	0.0500	0.0687	0.0646	0.0586	0.0384	0.0458	0.0434	0.0378
3216	0.0311	0.0511	0.0383	0.0499	0.0685	0.0645	0.0584	0.0384	0.0457	0.0434	0.0377
3215	0.0310	0.0509	0.0382	0.0498	0.0684	0.0643	0.0583	0.0383	0.0456	0.0433	0.0376
3214	0.0309	0.0508	0.0381	0.0497	0.0682	0.0641	0.0582	0.0382	0.0455	0.0431	0.0375
3213	0.0308	0.0507	0.0380	0.0496	0.0680	0.0640	0.0581	0.0381	0.0454	0.0430	0.0375
3212	0.0307	0.0505	0.0379	0.0495	0.0678	0.0638	0.0579	0.0380	0.0453	0.0428	0.0375

3211	0.0305	0.0504	0.0377	0.0493	0.0676	0.0636	0.0577	0.0379	0.0451	0.0426	0.0374
3210	0.0303	0.0502	0.0375	0.0491	0.0674	0.0633	0.0575	0.0377	0.0449	0.0425	0.0373
3209	0.0301	0.0501	0.0374	0.0490	0.0671	0.0631	0.0573	0.0375	0.0447	0.0423	0.0371
3208	0.0299	0.0499	0.0373	0.0488	0.0670	0.0630	0.0571	0.0374	0.0446	0.0422	0.0370
3207	0.0298	0.0498	0.0372	0.0487	0.0668	0.0628	0.0570	0.0373	0.0446	0.0421	0.0369
3206	0.0298	0.0496	0.0371	0.0485	0.0667	0.0627	0.0569	0.0372	0.0446	0.0420	0.0368
3205	0.0296	0.0495	0.0371	0.0484	0.0665	0.0625	0.0568	0.0372	0.0445	0.0419	0.0367
3204	0.0295	0.0494	0.0371	0.0483	0.0663	0.0623	0.0566	0.0371	0.0444	0.0418	0.0366
3203	0.0294	0.0493	0.0370	0.0482	0.0661	0.0621	0.0564	0.0370	0.0442	0.0417	0.0365
3202	0.0292	0.0491	0.0369	0.0481	0.0659	0.0619	0.0562	0.0369	0.0440	0.0415	0.0363
3201	0.0290	0.0489	0.0367	0.0480	0.0657	0.0617	0.0560	0.0368	0.0439	0.0414	0.0361
3200	0.0288	0.0488	0.0365	0.0478	0.0655	0.0614	0.0559	0.0366	0.0437	0.0412	0.0359
3199	0.0286	0.0487	0.0363	0.0476	0.0653	0.0612	0.0557	0.0365	0.0436	0.0411	0.0358
3198	0.0285	0.0486	0.0362	0.0475	0.0651	0.0610	0.0556	0.0364	0.0435	0.0409	0.0357
3197	0.0283	0.0485	0.0361	0.0474	0.0649	0.0609	0.0554	0.0363	0.0433	0.0408	0.0357
3196	0.0282	0.0484	0.0361	0.0473	0.0647	0.0608	0.0553	0.0363	0.0432	0.0407	0.0357
3195	0.0281	0.0483	0.0362	0.0473	0.0645	0.0607	0.0552	0.0361	0.0431	0.0406	0.0357
3194	0.0280	0.0481	0.0361	0.0471	0.0644	0.0606	0.0550	0.0360	0.0430	0.0406	0.0357
3193	0.0279	0.0479	0.0361	0.0470	0.0642	0.0604	0.0549	0.0358	0.0429	0.0405	0.0355
3192	0.0277	0.0477	0.0360	0.0468	0.0640	0.0602	0.0546	0.0356	0.0428	0.0404	0.0354
3191	0.0275	0.0476	0.0358	0.0466	0.0638	0.0600	0.0544	0.0355	0.0427	0.0403	0.0352
3190	0.0274	0.0474	0.0357	0.0464	0.0636	0.0598	0.0542	0.0354	0.0425	0.0402	0.0351
3189	0.0273	0.0473	0.0355	0.0462	0.0634	0.0596	0.0540	0.0353	0.0424	0.0401	0.0350
3188	0.0271	0.0471	0.0353	0.0461	0.0632	0.0594	0.0539	0.0352	0.0423	0.0399	0.0349
3187	0.0270	0.0470	0.0352	0.0459	0.0630	0.0591	0.0537	0.0352	0.0422	0.0397	0.0347
3186	0.0269	0.0468	0.0350	0.0458	0.0627	0.0589	0.0535	0.0350	0.0421	0.0396	0.0346
3185	0.0267	0.0467	0.0349	0.0456	0.0625	0.0586	0.0533	0.0349	0.0419	0.0394	0.0345
3184	0.0266	0.0465	0.0348	0.0455	0.0623	0.0584	0.0532	0.0347	0.0418	0.0392	0.0344
3183	0.0264	0.0464	0.0347	0.0453	0.0622	0.0583	0.0531	0.0346	0.0416	0.0391	0.0342
3182	0.0263	0.0462	0.0347	0.0452	0.0620	0.0581	0.0529	0.0344	0.0414	0.0390	0.0341
3181	0.0262	0.0461	0.0346	0.0451	0.0618	0.0579	0.0528	0.0343	0.0413	0.0389	0.0340
3180	0.0260	0.0459	0.0345	0.0450	0.0617	0.0578	0.0526	0.0343	0.0412	0.0388	0.0339
3179	0.0259	0.0458	0.0344	0.0449	0.0615	0.0577	0.0525	0.0341	0.0411	0.0387	0.0338
3178	0.0258	0.0456	0.0343	0.0448	0.0613	0.0575	0.0523	0.0340	0.0410	0.0386	0.0338
3177	0.0257	0.0455	0.0342	0.0447	0.0611	0.0573	0.0522	0.0339	0.0409	0.0384	0.0337
3176	0.0256	0.0455	0.0340	0.0446	0.0608	0.0571	0.0520	0.0339	0.0408	0.0383	0.0336
3175	0.0255	0.0453	0.0339	0.0444	0.0606	0.0569	0.0518	0.0338	0.0407	0.0382	0.0335
3174	0.0253	0.0452	0.0338	0.0442	0.0604	0.0566	0.0516	0.0336	0.0405	0.0381	0.0334
3173	0.0252	0.0450	0.0338	0.0440	0.0602	0.0564	0.0514	0.0334	0.0404	0.0379	0.0332
3172	0.0250	0.0448	0.0337	0.0439	0.0600	0.0563	0.0511	0.0333	0.0402	0.0377	0.0331
3171	0.0249	0.0447	0.0335	0.0437	0.0598	0.0561	0.0510	0.0331	0.0401	0.0376	0.0331
3170	0.0247	0.0445	0.0334	0.0436	0.0596	0.0560	0.0508	0.0330	0.0400	0.0375	0.0330
3169	0.0246	0.0444	0.0332	0.0434	0.0594	0.0557	0.0506	0.0329	0.0398	0.0373	0.0328
3168	0.0244	0.0442	0.0331	0.0432	0.0591	0.0555	0.0504	0.0328	0.0396	0.0371	0.0327

3167	0.0243	0.0441	0.0329	0.0430	0.0589	0.0553	0.0503	0.0326	0.0395	0.0370	0.0325
3166	0.0242	0.0439	0.0328	0.0428	0.0587	0.0551	0.0501	0.0325	0.0393	0.0368	0.0324
3165	0.0241	0.0438	0.0327	0.0427	0.0586	0.0550	0.0499	0.0324	0.0392	0.0367	0.0323
3164	0.0240	0.0437	0.0326	0.0426	0.0585	0.0548	0.0498	0.0323	0.0391	0.0366	0.0322
3163	0.0239	0.0435	0.0326	0.0424	0.0584	0.0546	0.0496	0.0321	0.0389	0.0365	0.0321
3162	0.0237	0.0434	0.0325	0.0422	0.0582	0.0544	0.0494	0.0320	0.0388	0.0364	0.0319
3161	0.0235	0.0432	0.0324	0.0421	0.0580	0.0541	0.0492	0.0319	0.0386	0.0363	0.0318
3160	0.0234	0.0431	0.0323	0.0420	0.0578	0.0539	0.0490	0.0318	0.0384	0.0361	0.0316
3159	0.0233	0.0429	0.0322	0.0419	0.0575	0.0538	0.0488	0.0316	0.0382	0.0359	0.0315
3158	0.0232	0.0428	0.0321	0.0418	0.0573	0.0536	0.0487	0.0315	0.0381	0.0358	0.0314
3157	0.0231	0.0427	0.0320	0.0416	0.0571	0.0534	0.0485	0.0314	0.0381	0.0357	0.0313
3156	0.0230	0.0426	0.0320	0.0415	0.0569	0.0532	0.0484	0.0313	0.0380	0.0356	0.0312
3155	0.0229	0.0424	0.0319	0.0413	0.0567	0.0530	0.0482	0.0312	0.0379	0.0355	0.0311
3154	0.0227	0.0422	0.0317	0.0411	0.0565	0.0528	0.0481	0.0311	0.0377	0.0353	0.0309
3153	0.0226	0.0420	0.0316	0.0409	0.0563	0.0526	0.0479	0.0310	0.0376	0.0351	0.0308
3152	0.0224	0.0418	0.0314	0.0407	0.0560	0.0523	0.0477	0.0308	0.0374	0.0349	0.0306
3151	0.0223	0.0416	0.0312	0.0405	0.0557	0.0521	0.0475	0.0305	0.0372	0.0347	0.0305
3150	0.0221	0.0414	0.0310	0.0402	0.0554	0.0518	0.0473	0.0303	0.0369	0.0345	0.0304
3149	0.0220	0.0412	0.0309	0.0400	0.0550	0.0515	0.0470	0.0301	0.0367	0.0343	0.0303
3148	0.0219	0.0411	0.0307	0.0399	0.0548	0.0513	0.0468	0.0300	0.0366	0.0341	0.0302
3147	0.0218	0.0409	0.0307	0.0398	0.0545	0.0511	0.0466	0.0299	0.0365	0.0340	0.0300
3146	0.0217	0.0408	0.0306	0.0397	0.0543	0.0509	0.0464	0.0298	0.0364	0.0339	0.0299
3145	0.0216	0.0407	0.0305	0.0395	0.0542	0.0506	0.0462	0.0297	0.0363	0.0338	0.0299
3144	0.0215	0.0405	0.0305	0.0393	0.0540	0.0504	0.0460	0.0296	0.0362	0.0338	0.0298
3143	0.0214	0.0403	0.0304	0.0391	0.0537	0.0502	0.0458	0.0295	0.0361	0.0337	0.0297
3142	0.0213	0.0401	0.0302	0.0390	0.0535	0.0500	0.0456	0.0294	0.0359	0.0335	0.0296
3141	0.0212	0.0399	0.0301	0.0388	0.0532	0.0498	0.0453	0.0292	0.0358	0.0334	0.0294
3140	0.0210	0.0397	0.0300	0.0387	0.0529	0.0496	0.0451	0.0291	0.0356	0.0332	0.0293
3139	0.0209	0.0395	0.0298	0.0384	0.0526	0.0494	0.0449	0.0290	0.0354	0.0330	0.0291
3138	0.0208	0.0394	0.0297	0.0382	0.0523	0.0492	0.0446	0.0289	0.0352	0.0327	0.0290
3137	0.0207	0.0392	0.0295	0.0379	0.0521	0.0489	0.0444	0.0287	0.0350	0.0325	0.0288
3136	0.0206	0.0389	0.0294	0.0376	0.0518	0.0487	0.0441	0.0286	0.0348	0.0323	0.0286
3135	0.0205	0.0387	0.0292	0.0374	0.0516	0.0484	0.0439	0.0284	0.0346	0.0321	0.0285
3134	0.0204	0.0385	0.0291	0.0372	0.0513	0.0481	0.0438	0.0283	0.0345	0.0320	0.0284
3133	0.0204	0.0384	0.0290	0.0371	0.0511	0.0479	0.0436	0.0281	0.0344	0.0318	0.0283
3132	0.0203	0.0383	0.0288	0.0370	0.0508	0.0476	0.0434	0.0279	0.0343	0.0317	0.0281
3131	0.0201	0.0381	0.0287	0.0368	0.0505	0.0472	0.0432	0.0278	0.0342	0.0315	0.0279
3130	0.0200	0.0379	0.0285	0.0366	0.0502	0.0469	0.0430	0.0276	0.0340	0.0313	0.0277
3129	0.0198	0.0377	0.0283	0.0364	0.0499	0.0466	0.0428	0.0274	0.0338	0.0311	0.0276
3128	0.0197	0.0374	0.0282	0.0362	0.0496	0.0464	0.0425	0.0272	0.0335	0.0308	0.0274
3127	0.0196	0.0372	0.0280	0.0359	0.0494	0.0461	0.0422	0.0270	0.0332	0.0306	0.0273
3126	0.0195	0.0370	0.0278	0.0357	0.0491	0.0459	0.0420	0.0269	0.0330	0.0304	0.0272
3125	0.0193	0.0368	0.0277	0.0355	0.0489	0.0456	0.0418	0.0267	0.0329	0.0303	0.0271
3124	0.0193	0.0367	0.0276	0.0353	0.0487	0.0454	0.0417	0.0267	0.0328	0.0302	0.0270

3123	0.0192	0.0366	0.0276	0.0351	0.0485	0.0451	0.0415	0.0265	0.0326	0.0301	0.0269
3122	0.0191	0.0363	0.0275	0.0349	0.0482	0.0449	0.0413	0.0264	0.0324	0.0299	0.0268
3121	0.0190	0.0361	0.0273	0.0347	0.0479	0.0446	0.0411	0.0263	0.0322	0.0297	0.0266
3120	0.0189	0.0358	0.0271	0.0345	0.0476	0.0444	0.0408	0.0261	0.0320	0.0295	0.0264
3119	0.0188	0.0355	0.0269	0.0343	0.0472	0.0441	0.0406	0.0259	0.0318	0.0293	0.0263
3118	0.0186	0.0353	0.0268	0.0341	0.0469	0.0438	0.0403	0.0258	0.0316	0.0290	0.0262
3117	0.0185	0.0351	0.0266	0.0339	0.0466	0.0435	0.0401	0.0256	0.0314	0.0288	0.0260
3116	0.0184	0.0350	0.0265	0.0336	0.0463	0.0433	0.0398	0.0254	0.0313	0.0286	0.0259
3115	0.0183	0.0348	0.0264	0.0334	0.0460	0.0430	0.0396	0.0253	0.0311	0.0285	0.0258
3114	0.0182	0.0346	0.0262	0.0331	0.0456	0.0427	0.0394	0.0251	0.0308	0.0283	0.0257
3113	0.0181	0.0344	0.0260	0.0329	0.0453	0.0425	0.0392	0.0249	0.0306	0.0282	0.0256
3112	0.0180	0.0341	0.0259	0.0327	0.0450	0.0422	0.0389	0.0248	0.0304	0.0280	0.0254
3111	0.0179	0.0339	0.0257	0.0325	0.0448	0.0420	0.0387	0.0246	0.0303	0.0278	0.0252
3110	0.0178	0.0338	0.0255	0.0323	0.0445	0.0417	0.0384	0.0244	0.0301	0.0276	0.0251
3109	0.0177	0.0336	0.0254	0.0320	0.0442	0.0414	0.0381	0.0243	0.0299	0.0274	0.0249
3108	0.0176	0.0333	0.0252	0.0318	0.0439	0.0411	0.0379	0.0240	0.0297	0.0272	0.0247
3107	0.0175	0.0331	0.0251	0.0315	0.0437	0.0408	0.0376	0.0238	0.0295	0.0270	0.0245
3106	0.0174	0.0328	0.0249	0.0312	0.0434	0.0405	0.0374	0.0237	0.0293	0.0268	0.0244
3105	0.0173	0.0326	0.0249	0.0310	0.0432	0.0403	0.0372	0.0235	0.0292	0.0267	0.0243
3104	0.0172	0.0325	0.0248	0.0309	0.0429	0.0401	0.0371	0.0235	0.0290	0.0266	0.0242
3103	0.0172	0.0323	0.0247	0.0307	0.0427	0.0398	0.0370	0.0234	0.0289	0.0265	0.0241
3102	0.0171	0.0321	0.0246	0.0306	0.0425	0.0396	0.0368	0.0233	0.0288	0.0263	0.0240
3101	0.0170	0.0320	0.0245	0.0304	0.0422	0.0393	0.0366	0.0231	0.0286	0.0261	0.0239
3100	0.0169	0.0318	0.0243	0.0302	0.0420	0.0391	0.0364	0.0230	0.0284	0.0259	0.0237
3099	0.0169	0.0316	0.0241	0.0300	0.0417	0.0388	0.0362	0.0228	0.0283	0.0257	0.0235
3098	0.0168	0.0315	0.0239	0.0298	0.0414	0.0386	0.0360	0.0227	0.0281	0.0256	0.0234
3097	0.0167	0.0313	0.0238	0.0297	0.0412	0.0383	0.0358	0.0225	0.0280	0.0254	0.0232
3096	0.0166	0.0311	0.0236	0.0295	0.0409	0.0381	0.0356	0.0223	0.0278	0.0253	0.0231
3095	0.0165	0.0309	0.0235	0.0293	0.0407	0.0379	0.0354	0.0222	0.0276	0.0251	0.0230
3094	0.0164	0.0307	0.0233	0.0291	0.0404	0.0376	0.0352	0.0221	0.0274	0.0249	0.0229
3093	0.0163	0.0306	0.0232	0.0289	0.0402	0.0374	0.0350	0.0220	0.0273	0.0248	0.0228
3092	0.0163	0.0305	0.0232	0.0288	0.0400	0.0372	0.0349	0.0219	0.0272	0.0246	0.0227
3091	0.0162	0.0304	0.0231	0.0285	0.0398	0.0369	0.0347	0.0218	0.0270	0.0245	0.0226
3090	0.0161	0.0302	0.0230	0.0283	0.0396	0.0367	0.0345	0.0217	0.0269	0.0243	0.0225
3089	0.0160	0.0300	0.0229	0.0281	0.0393	0.0364	0.0343	0.0215	0.0267	0.0242	0.0224
3088	0.0159	0.0298	0.0227	0.0278	0.0390	0.0362	0.0341	0.0213	0.0265	0.0240	0.0222
3087	0.0158	0.0296	0.0225	0.0276	0.0387	0.0359	0.0339	0.0212	0.0263	0.0238	0.0221
3086	0.0157	0.0294	0.0224	0.0275	0.0384	0.0357	0.0337	0.0210	0.0261	0.0236	0.0219
3085	0.0156	0.0292	0.0222	0.0273	0.0382	0.0355	0.0335	0.0209	0.0260	0.0235	0.0219
3084	0.0156	0.0290	0.0221	0.0272	0.0379	0.0353	0.0333	0.0207	0.0259	0.0233	0.0217
3083	0.0155	0.0288	0.0220	0.0270	0.0377	0.0351	0.0331	0.0206	0.0257	0.0231	0.0216
3082	0.0154	0.0287	0.0219	0.0268	0.0374	0.0349	0.0330	0.0204	0.0256	0.0229	0.0215
3081	0.0153	0.0285	0.0218	0.0266	0.0372	0.0347	0.0327	0.0203	0.0254	0.0228	0.0213
3080	0.0152	0.0284	0.0217	0.0264	0.0370	0.0344	0.0325	0.0201	0.0253	0.0226	0.0212

3079	0.0151	0.0282	0.0215	0.0262	0.0368	0.0342	0.0324	0.0200	0.0251	0.0224	0.0210
3078	0.0151	0.0280	0.0214	0.0261	0.0366	0.0339	0.0322	0.0199	0.0249	0.0223	0.0209
3077	0.0150	0.0279	0.0213	0.0259	0.0364	0.0337	0.0320	0.0198	0.0247	0.0221	0.0208
3076	0.0149	0.0277	0.0213	0.0257	0.0362	0.0335	0.0318	0.0197	0.0246	0.0220	0.0206
3075	0.0149	0.0276	0.0212	0.0256	0.0360	0.0333	0.0316	0.0196	0.0244	0.0218	0.0205
3074	0.0148	0.0274	0.0211	0.0254	0.0358	0.0331	0.0314	0.0194	0.0243	0.0216	0.0204
3073	0.0147	0.0272	0.0209	0.0252	0.0355	0.0329	0.0313	0.0193	0.0241	0.0215	0.0203
3072	0.0146	0.0270	0.0208	0.0251	0.0352	0.0327	0.0311	0.0192	0.0240	0.0214	0.0202
3071	0.0145	0.0268	0.0207	0.0249	0.0350	0.0325	0.0310	0.0191	0.0239	0.0213	0.0201
3070	0.0144	0.0266	0.0205	0.0248	0.0348	0.0323	0.0308	0.0190	0.0238	0.0211	0.0200
3069	0.0144	0.0265	0.0204	0.0246	0.0346	0.0321	0.0306	0.0188	0.0236	0.0210	0.0199
3068	0.0143	0.0263	0.0203	0.0245	0.0344	0.0319	0.0304	0.0187	0.0234	0.0208	0.0198
3067	0.0142	0.0262	0.0202	0.0243	0.0342	0.0316	0.0302	0.0186	0.0232	0.0206	0.0197
3066	0.0141	0.0260	0.0200	0.0241	0.0339	0.0313	0.0300	0.0184	0.0230	0.0204	0.0196
3065	0.0140	0.0259	0.0199	0.0238	0.0337	0.0310	0.0299	0.0183	0.0228	0.0203	0.0195
3064	0.0140	0.0258	0.0197	0.0237	0.0335	0.0308	0.0297	0.0182	0.0227	0.0202	0.0194
3063	0.0139	0.0256	0.0196	0.0235	0.0333	0.0306	0.0296	0.0181	0.0226	0.0201	0.0193
3062	0.0139	0.0255	0.0195	0.0234	0.0332	0.0305	0.0295	0.0180	0.0225	0.0199	0.0192
3061	0.0138	0.0253	0.0194	0.0232	0.0330	0.0303	0.0293	0.0178	0.0224	0.0197	0.0191
3060	0.0137	0.0252	0.0194	0.0231	0.0328	0.0301	0.0292	0.0177	0.0223	0.0196	0.0190
3059	0.0137	0.0251	0.0193	0.0230	0.0326	0.0300	0.0291	0.0176	0.0222	0.0194	0.0189
3058	0.0137	0.0250	0.0193	0.0228	0.0324	0.0298	0.0290	0.0175	0.0220	0.0193	0.0188
3057	0.0136	0.0248	0.0192	0.0227	0.0322	0.0296	0.0288	0.0174	0.0219	0.0193	0.0187
3056	0.0135	0.0247	0.0190	0.0225	0.0320	0.0294	0.0286	0.0173	0.0217	0.0191	0.0185
3055	0.0134	0.0245	0.0189	0.0223	0.0318	0.0292	0.0285	0.0172	0.0216	0.0190	0.0184
3054	0.0133	0.0244	0.0187	0.0222	0.0317	0.0291	0.0283	0.0171	0.0214	0.0189	0.0183
3053	0.0132	0.0242	0.0186	0.0221	0.0316	0.0289	0.0282	0.0170	0.0213	0.0187	0.0182
3052	0.0132	0.0241	0.0185	0.0219	0.0314	0.0287	0.0281	0.0169	0.0212	0.0186	0.0181
3051	0.0131	0.0240	0.0185	0.0218	0.0312	0.0286	0.0280	0.0169	0.0211	0.0185	0.0180
3050	0.0131	0.0239	0.0184	0.0217	0.0310	0.0284	0.0279	0.0168	0.0210	0.0184	0.0179
3049	0.0130	0.0238	0.0183	0.0217	0.0308	0.0283	0.0277	0.0167	0.0209	0.0183	0.0179
3048	0.0130	0.0236	0.0183	0.0216	0.0306	0.0281	0.0275	0.0165	0.0208	0.0182	0.0178
3047	0.0130	0.0234	0.0182	0.0215	0.0304	0.0279	0.0273	0.0164	0.0207	0.0181	0.0177
3046	0.0129	0.0232	0.0181	0.0213	0.0301	0.0278	0.0271	0.0163	0.0206	0.0180	0.0176
3045	0.0129	0.0231	0.0180	0.0211	0.0300	0.0276	0.0270	0.0162	0.0205	0.0178	0.0175
3044	0.0128	0.0230	0.0179	0.0209	0.0299	0.0274	0.0269	0.0161	0.0204	0.0177	0.0174
3043	0.0128	0.0229	0.0178	0.0207	0.0298	0.0273	0.0268	0.0160	0.0203	0.0176	0.0173
3042	0.0127	0.0228	0.0177	0.0206	0.0297	0.0271	0.0266	0.0159	0.0202	0.0176	0.0172
3041	0.0127	0.0227	0.0175	0.0205	0.0295	0.0269	0.0265	0.0158	0.0201	0.0175	0.0171
3040	0.0126	0.0226	0.0174	0.0204	0.0293	0.0267	0.0264	0.0157	0.0200	0.0173	0.0170
3039	0.0125	0.0225	0.0173	0.0202	0.0291	0.0266	0.0262	0.0157	0.0199	0.0172	0.0169
3038	0.0124	0.0224	0.0173	0.0201	0.0289	0.0264	0.0261	0.0156	0.0198	0.0170	0.0168
3037	0.0124	0.0223	0.0173	0.0200	0.0288	0.0263	0.0260	0.0155	0.0197	0.0169	0.0168
3036	0.0124	0.0221	0.0172	0.0199	0.0286	0.0262	0.0259	0.0154	0.0196	0.0168	0.0167

3035	0.0123	0.0220	0.0172	0.0197	0.0285	0.0260	0.0258	0.0153	0.0194	0.0167	0.0166
3034	0.0123	0.0218	0.0171	0.0196	0.0283	0.0259	0.0257	0.0152	0.0193	0.0166	0.0166
3033	0.0122	0.0217	0.0170	0.0195	0.0281	0.0257	0.0256	0.0151	0.0192	0.0166	0.0165
3032	0.0122	0.0216	0.0169	0.0194	0.0280	0.0256	0.0255	0.0150	0.0191	0.0165	0.0165
3031	0.0122	0.0215	0.0169	0.0193	0.0278	0.0254	0.0254	0.0149	0.0190	0.0164	0.0164
3030	0.0121	0.0214	0.0168	0.0191	0.0277	0.0252	0.0253	0.0148	0.0189	0.0163	0.0164
3029	0.0121	0.0213	0.0168	0.0191	0.0276	0.0251	0.0252	0.0147	0.0189	0.0163	0.0163
3028	0.0120	0.0212	0.0167	0.0190	0.0275	0.0249	0.0251	0.0146	0.0188	0.0162	0.0162
3027	0.0120	0.0211	0.0165	0.0189	0.0274	0.0248	0.0250	0.0146	0.0187	0.0161	0.0161
3026	0.0119	0.0210	0.0164	0.0188	0.0273	0.0247	0.0249	0.0145	0.0186	0.0159	0.0160
3025	0.0119	0.0209	0.0163	0.0187	0.0272	0.0246	0.0248	0.0145	0.0185	0.0158	0.0159
3024	0.0118	0.0208	0.0163	0.0186	0.0271	0.0245	0.0247	0.0145	0.0184	0.0157	0.0159
3023	0.0118	0.0207	0.0162	0.0185	0.0270	0.0244	0.0246	0.0144	0.0183	0.0156	0.0159
3022	0.0118	0.0207	0.0161	0.0184	0.0268	0.0243	0.0245	0.0143	0.0183	0.0155	0.0158
3021	0.0117	0.0206	0.0161	0.0183	0.0267	0.0242	0.0244	0.0142	0.0182	0.0154	0.0157
3020	0.0117	0.0205	0.0160	0.0182	0.0265	0.0241	0.0243	0.0142	0.0181	0.0153	0.0156
3019	0.0117	0.0203	0.0159	0.0181	0.0264	0.0240	0.0242	0.0141	0.0180	0.0152	0.0155
3018	0.0116	0.0202	0.0159	0.0180	0.0263	0.0239	0.0241	0.0141	0.0179	0.0152	0.0154
3017	0.0116	0.0201	0.0158	0.0179	0.0262	0.0238	0.0240	0.0140	0.0178	0.0151	0.0154
3016	0.0116	0.0200	0.0157	0.0179	0.0261	0.0237	0.0239	0.0139	0.0178	0.0151	0.0153
3015	0.0115	0.0199	0.0157	0.0178	0.0259	0.0235	0.0238	0.0138	0.0177	0.0150	0.0153
3014	0.0115	0.0199	0.0156	0.0177	0.0258	0.0233	0.0238	0.0137	0.0176	0.0149	0.0152
3013	0.0115	0.0198	0.0156	0.0176	0.0257	0.0233	0.0238	0.0137	0.0176	0.0148	0.0152
3012	0.0115	0.0198	0.0156	0.0176	0.0256	0.0232	0.0238	0.0137	0.0176	0.0147	0.0152
3011	0.0115	0.0197	0.0156	0.0176	0.0256	0.0232	0.0237	0.0137	0.0176	0.0147	0.0152
3010	0.0116	0.0197	0.0155	0.0175	0.0255	0.0232	0.0236	0.0137	0.0175	0.0147	0.0151
3009	0.0116	0.0197	0.0155	0.0174	0.0255	0.0231	0.0235	0.0137	0.0175	0.0146	0.0151
3008	0.0116	0.0197	0.0154	0.0173	0.0255	0.0231	0.0234	0.0136	0.0175	0.0146	0.0151
3007	0.0116	0.0197	0.0154	0.0173	0.0254	0.0230	0.0234	0.0136	0.0174	0.0146	0.0151
3006	0.0115	0.0196	0.0153	0.0172	0.0253	0.0229	0.0233	0.0135	0.0174	0.0145	0.0151
3005	0.0115	0.0195	0.0153	0.0172	0.0253	0.0229	0.0231	0.0134	0.0173	0.0144	0.0150
3004	0.0115	0.0195	0.0152	0.0171	0.0252	0.0228	0.0231	0.0134	0.0173	0.0144	0.0149
3003	0.0114	0.0194	0.0152	0.0171	0.0251	0.0227	0.0230	0.0133	0.0172	0.0143	0.0148
3002	0.0114	0.0193	0.0152	0.0170	0.0251	0.0227	0.0231	0.0134	0.0172	0.0143	0.0148
3001	0.0114	0.0193	0.0153	0.0170	0.0250	0.0227	0.0231	0.0134	0.0172	0.0143	0.0148
3000	0.0114	0.0192	0.0153	0.0170	0.0249	0.0227	0.0231	0.0134	0.0172	0.0143	0.0148
2999	0.0115	0.0192	0.0152	0.0170	0.0249	0.0227	0.0231	0.0134	0.0172	0.0143	0.0148
2998	0.0115	0.0192	0.0152	0.0170	0.0249	0.0226	0.0231	0.0134	0.0172	0.0143	0.0149
2997	0.0115	0.0193	0.0152	0.0170	0.0249	0.0226	0.0231	0.0134	0.0171	0.0144	0.0149
2996	0.0116	0.0193	0.0152	0.0170	0.0250	0.0226	0.0230	0.0134	0.0171	0.0144	0.0149
2995	0.0116	0.0193	0.0152	0.0170	0.0250	0.0225	0.0230	0.0134	0.0171	0.0144	0.0149
2994	0.0116	0.0193	0.0151	0.0170	0.0249	0.0225	0.0230	0.0134	0.0172	0.0144	0.0148
2993	0.0116	0.0193	0.0151	0.0170	0.0249	0.0225	0.0230	0.0135	0.0172	0.0144	0.0149
2992	0.0116	0.0193	0.0151	0.0171	0.0249	0.0225	0.0230	0.0135	0.0173	0.0144	0.0149

2991	0.0116	0.0194	0.0151	0.0171	0.0249	0.0226	0.0231	0.0136	0.0173	0.0144	0.0149
2990	0.0116	0.0194	0.0152	0.0172	0.0250	0.0227	0.0232	0.0136	0.0174	0.0144	0.0150
2989	0.0117	0.0195	0.0153	0.0172	0.0251	0.0228	0.0232	0.0137	0.0174	0.0145	0.0150
2988	0.0117	0.0195	0.0154	0.0172	0.0252	0.0229	0.0233	0.0137	0.0175	0.0145	0.0150
2987	0.0117	0.0196	0.0154	0.0173	0.0254	0.0230	0.0234	0.0138	0.0175	0.0146	0.0151
2986	0.0118	0.0197	0.0155	0.0175	0.0256	0.0231	0.0235	0.0138	0.0177	0.0147	0.0152
2985	0.0119	0.0199	0.0155	0.0176	0.0258	0.0233	0.0237	0.0139	0.0178	0.0148	0.0153
2984	0.0120	0.0200	0.0157	0.0178	0.0260	0.0235	0.0238	0.0140	0.0179	0.0149	0.0154
2983	0.0121	0.0201	0.0157	0.0179	0.0261	0.0236	0.0240	0.0141	0.0180	0.0150	0.0155
2982	0.0121	0.0201	0.0158	0.0179	0.0262	0.0237	0.0241	0.0142	0.0181	0.0151	0.0155
2981	0.0122	0.0202	0.0158	0.0180	0.0262	0.0238	0.0241	0.0143	0.0182	0.0152	0.0155
2980	0.0122	0.0202	0.0158	0.0180	0.0262	0.0239	0.0242	0.0144	0.0183	0.0152	0.0156
2979	0.0123	0.0203	0.0159	0.0181	0.0263	0.0240	0.0243	0.0145	0.0183	0.0152	0.0156
2978	0.0124	0.0204	0.0159	0.0182	0.0264	0.0241	0.0243	0.0145	0.0184	0.0152	0.0157
2977	0.0125	0.0205	0.0160	0.0183	0.0264	0.0242	0.0244	0.0146	0.0184	0.0153	0.0157
2976	0.0126	0.0206	0.0160	0.0184	0.0265	0.0242	0.0245	0.0146	0.0184	0.0153	0.0158
2975	0.0127	0.0206	0.0160	0.0184	0.0265	0.0243	0.0245	0.0146	0.0185	0.0153	0.0158
2974	0.0127	0.0207	0.0161	0.0184	0.0266	0.0244	0.0246	0.0147	0.0186	0.0154	0.0158
2973	0.0129	0.0208	0.0161	0.0184	0.0268	0.0245	0.0248	0.0148	0.0187	0.0154	0.0159
2972	0.0130	0.0209	0.0163	0.0185	0.0269	0.0246	0.0250	0.0150	0.0188	0.0155	0.0160
2971	0.0131	0.0210	0.0164	0.0186	0.0271	0.0248	0.0252	0.0151	0.0189	0.0156	0.0160
2970	0.0132	0.0212	0.0164	0.0186	0.0272	0.0249	0.0253	0.0152	0.0191	0.0157	0.0161
2969	0.0133	0.0213	0.0165	0.0187	0.0273	0.0251	0.0255	0.0153	0.0192	0.0158	0.0162
2968	0.0134	0.0215	0.0166	0.0189	0.0275	0.0252	0.0257	0.0154	0.0193	0.0159	0.0163
2967	0.0135	0.0217	0.0168	0.0190	0.0277	0.0254	0.0258	0.0155	0.0195	0.0160	0.0163
2966	0.0137	0.0218	0.0169	0.0191	0.0279	0.0256	0.0260	0.0156	0.0197	0.0161	0.0164
2965	0.0138	0.0220	0.0170	0.0193	0.0281	0.0258	0.0263	0.0158	0.0198	0.0162	0.0165
2964	0.0139	0.0221	0.0171	0.0194	0.0284	0.0260	0.0265	0.0159	0.0200	0.0163	0.0166
2963	0.0140	0.0223	0.0172	0.0196	0.0286	0.0262	0.0268	0.0160	0.0203	0.0164	0.0168
2962	0.0141	0.0225	0.0173	0.0198	0.0288	0.0264	0.0270	0.0162	0.0205	0.0166	0.0169
2961	0.0142	0.0228	0.0175	0.0200	0.0290	0.0266	0.0273	0.0163	0.0207	0.0167	0.0171
2960	0.0143	0.0229	0.0176	0.0202	0.0293	0.0268	0.0275	0.0164	0.0208	0.0169	0.0172
2959	0.0144	0.0231	0.0177	0.0204	0.0295	0.0271	0.0277	0.0166	0.0210	0.0171	0.0173
2958	0.0146	0.0233	0.0178	0.0205	0.0298	0.0273	0.0279	0.0168	0.0212	0.0172	0.0174
2957	0.0147	0.0235	0.0179	0.0207	0.0300	0.0276	0.0281	0.0169	0.0213	0.0174	0.0175
2956	0.0149	0.0237	0.0180	0.0209	0.0302	0.0278	0.0283	0.0171	0.0215	0.0175	0.0177
2955	0.0150	0.0239	0.0182	0.0210	0.0304	0.0281	0.0285	0.0172	0.0217	0.0176	0.0178
2954	0.0152	0.0240	0.0183	0.0212	0.0306	0.0283	0.0286	0.0174	0.0219	0.0177	0.0179
2953	0.0153	0.0241	0.0184	0.0214	0.0308	0.0284	0.0288	0.0175	0.0220	0.0178	0.0180
2952	0.0154	0.0243	0.0184	0.0215	0.0311	0.0286	0.0289	0.0177	0.0221	0.0179	0.0181
2951	0.0156	0.0244	0.0185	0.0217	0.0313	0.0288	0.0291	0.0178	0.0223	0.0181	0.0182
2950	0.0157	0.0246	0.0186	0.0218	0.0315	0.0290	0.0292	0.0180	0.0224	0.0183	0.0183
2949	0.0159	0.0248	0.0188	0.0221	0.0318	0.0293	0.0294	0.0182	0.0226	0.0185	0.0185
2948	0.0161	0.0250	0.0190	0.0223	0.0320	0.0296	0.0296	0.0184	0.0228	0.0187	0.0186

2947	0.0163	0.0253	0.0192	0.0226	0.0324	0.0300	0.0299	0.0186	0.0230	0.0189	0.0188
2946	0.0165	0.0256	0.0194	0.0229	0.0327	0.0303	0.0302	0.0188	0.0233	0.0191	0.0189
2945	0.0167	0.0259	0.0196	0.0231	0.0331	0.0307	0.0306	0.0190	0.0235	0.0193	0.0191
2944	0.0168	0.0262	0.0199	0.0234	0.0335	0.0311	0.0309	0.0192	0.0238	0.0196	0.0193
2943	0.0170	0.0265	0.0201	0.0237	0.0340	0.0315	0.0313	0.0195	0.0242	0.0198	0.0195
2942	0.0171	0.0269	0.0203	0.0240	0.0345	0.0320	0.0318	0.0198	0.0245	0.0201	0.0197
2941	0.0173	0.0273	0.0206	0.0243	0.0351	0.0325	0.0323	0.0201	0.0249	0.0204	0.0200
2940	0.0175	0.0278	0.0209	0.0247	0.0356	0.0330	0.0328	0.0204	0.0253	0.0207	0.0203
2939	0.0178	0.0283	0.0212	0.0252	0.0361	0.0335	0.0334	0.0208	0.0257	0.0211	0.0206
2938	0.0180	0.0288	0.0215	0.0255	0.0366	0.0340	0.0339	0.0211	0.0262	0.0214	0.0209
2937	0.0182	0.0293	0.0217	0.0259	0.0370	0.0344	0.0343	0.0214	0.0265	0.0217	0.0211
2936	0.0184	0.0297	0.0220	0.0262	0.0375	0.0348	0.0347	0.0217	0.0269	0.0219	0.0212
2935	0.0185	0.0301	0.0222	0.0264	0.0379	0.0351	0.0351	0.0219	0.0272	0.0221	0.0213
2934	0.0187	0.0305	0.0224	0.0266	0.0383	0.0354	0.0355	0.0221	0.0276	0.0222	0.0215
2933	0.0189	0.0309	0.0226	0.0269	0.0387	0.0358	0.0360	0.0223	0.0280	0.0224	0.0217
2932	0.0192	0.0314	0.0229	0.0271	0.0391	0.0362	0.0364	0.0226	0.0283	0.0226	0.0219
2931	0.0195	0.0319	0.0231	0.0274	0.0395	0.0365	0.0369	0.0228	0.0286	0.0228	0.0222
2930	0.0197	0.0324	0.0234	0.0276	0.0398	0.0369	0.0374	0.0231	0.0289	0.0230	0.0225
2929	0.0200	0.0328	0.0236	0.0279	0.0402	0.0372	0.0379	0.0234	0.0292	0.0232	0.0227
2928	0.0203	0.0333	0.0239	0.0281	0.0407	0.0376	0.0384	0.0236	0.0295	0.0234	0.0230
2927	0.0205	0.0338	0.0242	0.0284	0.0411	0.0379	0.0390	0.0237	0.0298	0.0236	0.0232
2926	0.0206	0.0342	0.0245	0.0286	0.0416	0.0382	0.0396	0.0239	0.0300	0.0238	0.0234
2925	0.0207	0.0347	0.0247	0.0288	0.0421	0.0386	0.0402	0.0240	0.0302	0.0239	0.0236
2924	0.0208	0.0352	0.0250	0.0290	0.0426	0.0389	0.0408	0.0240	0.0303	0.0241	0.0238
2923	0.0210	0.0357	0.0253	0.0292	0.0431	0.0392	0.0414	0.0241	0.0304	0.0243	0.0240
2922	0.0211	0.0362	0.0255	0.0294	0.0437	0.0395	0.0421	0.0243	0.0306	0.0244	0.0243
2921	0.0212	0.0367	0.0258	0.0296	0.0443	0.0398	0.0429	0.0244	0.0307	0.0246	0.0246
2920	0.0213	0.0371	0.0260	0.0299	0.0449	0.0401	0.0436	0.0245	0.0309	0.0247	0.0249
2919	0.0213	0.0374	0.0262	0.0301	0.0455	0.0403	0.0443	0.0245	0.0311	0.0249	0.0251
2918	0.0214	0.0376	0.0264	0.0303	0.0460	0.0406	0.0448	0.0246	0.0312	0.0251	0.0252
2917	0.0215	0.0375	0.0264	0.0305	0.0464	0.0408	0.0451	0.0247	0.0313	0.0253	0.0253
2916	0.0215	0.0374	0.0264	0.0306	0.0465	0.0409	0.0451	0.0247	0.0313	0.0254	0.0253
2915	0.0215	0.0371	0.0264	0.0308	0.0465	0.0410	0.0447	0.0249	0.0313	0.0256	0.0253
2914	0.0216	0.0367	0.0263	0.0310	0.0464	0.0411	0.0443	0.0250	0.0313	0.0258	0.0252
2913	0.0216	0.0364	0.0262	0.0312	0.0463	0.0412	0.0438	0.0252	0.0314	0.0260	0.0252
2912	0.0216	0.0362	0.0261	0.0315	0.0462	0.0414	0.0433	0.0253	0.0314	0.0263	0.0251
2911	0.0217	0.0361	0.0260	0.0317	0.0461	0.0416	0.0429	0.0255	0.0315	0.0265	0.0250
2910	0.0217	0.0360	0.0260	0.0320	0.0462	0.0418	0.0426	0.0256	0.0317	0.0267	0.0250
2909	0.0217	0.0359	0.0260	0.0322	0.0463	0.0421	0.0425	0.0258	0.0318	0.0270	0.0251
2908	0.0218	0.0359	0.0261	0.0324	0.0465	0.0424	0.0424	0.0260	0.0320	0.0272	0.0252
2907	0.0219	0.0360	0.0261	0.0326	0.0467	0.0426	0.0423	0.0261	0.0321	0.0274	0.0254
2906	0.0219	0.0359	0.0262	0.0328	0.0468	0.0428	0.0423	0.0263	0.0322	0.0276	0.0254
2905	0.0219	0.0359	0.0263	0.0330	0.0470	0.0430	0.0422	0.0263	0.0322	0.0277	0.0255
2904	0.0219	0.0359	0.0263	0.0331	0.0471	0.0432	0.0421	0.0264	0.0323	0.0278	0.0255

2903	0.0220	0.0360	0.0264	0.0333	0.0472	0.0433	0.0421	0.0265	0.0324	0.0280	0.0256
2902	0.0220	0.0360	0.0264	0.0334	0.0473	0.0435	0.0422	0.0267	0.0325	0.0281	0.0257
2901	0.0221	0.0361	0.0264	0.0335	0.0473	0.0436	0.0422	0.0268	0.0325	0.0282	0.0257
2900	0.0221	0.0361	0.0263	0.0336	0.0474	0.0437	0.0423	0.0268	0.0326	0.0283	0.0257
2899	0.0221	0.0361	0.0263	0.0337	0.0474	0.0438	0.0423	0.0269	0.0326	0.0283	0.0258
2898	0.0221	0.0361	0.0263	0.0338	0.0475	0.0439	0.0423	0.0269	0.0327	0.0283	0.0257
2897	0.0220	0.0360	0.0263	0.0338	0.0476	0.0440	0.0423	0.0269	0.0327	0.0284	0.0257
2896	0.0220	0.0361	0.0264	0.0339	0.0477	0.0441	0.0423	0.0270	0.0328	0.0284	0.0257
2895	0.0220	0.0361	0.0264	0.0341	0.0478	0.0442	0.0424	0.0271	0.0329	0.0286	0.0258
2894	0.0220	0.0362	0.0265	0.0342	0.0479	0.0443	0.0424	0.0271	0.0329	0.0287	0.0258
2893	0.0220	0.0362	0.0265	0.0343	0.0480	0.0443	0.0424	0.0272	0.0329	0.0287	0.0258
2892	0.0219	0.0361	0.0264	0.0343	0.0480	0.0443	0.0424	0.0272	0.0328	0.0287	0.0258
2891	0.0219	0.0360	0.0264	0.0342	0.0479	0.0442	0.0423	0.0271	0.0328	0.0287	0.0258
2890	0.0219	0.0359	0.0263	0.0342	0.0478	0.0440	0.0421	0.0271	0.0326	0.0286	0.0257
2889	0.0218	0.0357	0.0262	0.0341	0.0476	0.0438	0.0419	0.0269	0.0325	0.0284	0.0257
2888	0.0218	0.0355	0.0261	0.0339	0.0473	0.0436	0.0416	0.0268	0.0324	0.0283	0.0256
2887	0.0217	0.0353	0.0260	0.0338	0.0470	0.0434	0.0414	0.0267	0.0322	0.0281	0.0255
2886	0.0217	0.0351	0.0258	0.0336	0.0468	0.0432	0.0411	0.0266	0.0320	0.0280	0.0254
2885	0.0216	0.0348	0.0257	0.0334	0.0465	0.0430	0.0409	0.0264	0.0319	0.0279	0.0252
2884	0.0216	0.0346	0.0255	0.0332	0.0462	0.0428	0.0407	0.0263	0.0317	0.0278	0.0252
2883	0.0215	0.0344	0.0254	0.0331	0.0459	0.0426	0.0405	0.0262	0.0316	0.0276	0.0251
2882	0.0215	0.0343	0.0253	0.0329	0.0457	0.0424	0.0403	0.0261	0.0315	0.0275	0.0250
2881	0.0214	0.0341	0.0252	0.0328	0.0454	0.0422	0.0402	0.0260	0.0313	0.0274	0.0248
2880	0.0213	0.0339	0.0251	0.0326	0.0451	0.0420	0.0400	0.0259	0.0312	0.0273	0.0247
2879	0.0212	0.0337	0.0250	0.0324	0.0450	0.0417	0.0399	0.0258	0.0311	0.0272	0.0246
2878	0.0212	0.0335	0.0248	0.0323	0.0448	0.0415	0.0397	0.0257	0.0310	0.0270	0.0245
2877	0.0211	0.0333	0.0247	0.0321	0.0446	0.0413	0.0396	0.0256	0.0309	0.0268	0.0244
2876	0.0210	0.0331	0.0246	0.0319	0.0444	0.0411	0.0394	0.0254	0.0308	0.0267	0.0243
2875	0.0210	0.0330	0.0244	0.0317	0.0442	0.0409	0.0392	0.0253	0.0306	0.0265	0.0242
2874	0.0209	0.0328	0.0243	0.0316	0.0440	0.0406	0.0390	0.0251	0.0304	0.0263	0.0241
2873	0.0209	0.0326	0.0242	0.0313	0.0437	0.0404	0.0387	0.0249	0.0302	0.0261	0.0240
2872	0.0208	0.0324	0.0240	0.0311	0.0433	0.0400	0.0385	0.0247	0.0300	0.0259	0.0238
2871	0.0207	0.0321	0.0238	0.0308	0.0430	0.0396	0.0383	0.0245	0.0298	0.0257	0.0236
2870	0.0205	0.0318	0.0236	0.0305	0.0426	0.0392	0.0380	0.0243	0.0296	0.0254	0.0233
2869	0.0204	0.0315	0.0234	0.0302	0.0422	0.0388	0.0376	0.0240	0.0293	0.0251	0.0231
2868	0.0202	0.0312	0.0231	0.0298	0.0417	0.0384	0.0373	0.0238	0.0291	0.0247	0.0228
2867	0.0201	0.0308	0.0229	0.0294	0.0412	0.0380	0.0369	0.0235	0.0288	0.0244	0.0226
2866	0.0199	0.0305	0.0227	0.0290	0.0408	0.0376	0.0365	0.0233	0.0284	0.0241	0.0223
2865	0.0198	0.0302	0.0225	0.0287	0.0403	0.0372	0.0362	0.0230	0.0281	0.0238	0.0221
2864	0.0196	0.0299	0.0223	0.0283	0.0399	0.0368	0.0359	0.0228	0.0278	0.0235	0.0219
2863	0.0195	0.0297	0.0221	0.0280	0.0395	0.0364	0.0356	0.0225	0.0276	0.0232	0.0217
2862	0.0194	0.0296	0.0219	0.0277	0.0392	0.0360	0.0355	0.0223	0.0274	0.0229	0.0216
2861	0.0193	0.0295	0.0219	0.0274	0.0388	0.0356	0.0353	0.0221	0.0273	0.0227	0.0214
2860	0.0192	0.0294	0.0218	0.0271	0.0386	0.0353	0.0352	0.0219	0.0271	0.0224	0.0213

2859	0.0192	0.0293	0.0217	0.0267	0.0383	0.0349	0.0351	0.0217	0.0270	0.0222	0.0211
2858	0.0191	0.0293	0.0216	0.0265	0.0381	0.0347	0.0351	0.0215	0.0268	0.0219	0.0210
2857	0.0191	0.0293	0.0215	0.0262	0.0379	0.0344	0.0351	0.0213	0.0267	0.0217	0.0209
2856	0.0190	0.0294	0.0215	0.0260	0.0378	0.0342	0.0353	0.0211	0.0265	0.0214	0.0208
2855	0.0188	0.0296	0.0216	0.0258	0.0378	0.0340	0.0356	0.0209	0.0263	0.0212	0.0208
2854	0.0187	0.0298	0.0216	0.0256	0.0378	0.0338	0.0359	0.0206	0.0262	0.0210	0.0208
2853	0.0185	0.0300	0.0216	0.0254	0.0378	0.0335	0.0363	0.0204	0.0259	0.0207	0.0208
2852	0.0182	0.0301	0.0216	0.0251	0.0378	0.0332	0.0365	0.0201	0.0257	0.0205	0.0207
2851	0.0180	0.0300	0.0215	0.0249	0.0378	0.0328	0.0366	0.0199	0.0254	0.0203	0.0207
2850	0.0178	0.0298	0.0213	0.0247	0.0375	0.0325	0.0364	0.0196	0.0251	0.0201	0.0205
2849	0.0175	0.0293	0.0210	0.0244	0.0370	0.0321	0.0358	0.0194	0.0248	0.0199	0.0202
2848	0.0173	0.0286	0.0206	0.0241	0.0364	0.0316	0.0350	0.0191	0.0244	0.0196	0.0199
2847	0.0170	0.0278	0.0202	0.0238	0.0356	0.0312	0.0341	0.0188	0.0239	0.0194	0.0195
2846	0.0167	0.0270	0.0198	0.0234	0.0348	0.0307	0.0331	0.0186	0.0235	0.0191	0.0191
2845	0.0164	0.0262	0.0194	0.0231	0.0341	0.0302	0.0322	0.0183	0.0231	0.0189	0.0188
2844	0.0161	0.0256	0.0191	0.0228	0.0335	0.0298	0.0313	0.0181	0.0228	0.0187	0.0185
2843	0.0159	0.0251	0.0188	0.0225	0.0330	0.0295	0.0307	0.0179	0.0225	0.0185	0.0182
2842	0.0157	0.0246	0.0185	0.0223	0.0325	0.0291	0.0301	0.0177	0.0222	0.0183	0.0180
2841	0.0155	0.0242	0.0182	0.0220	0.0320	0.0288	0.0296	0.0175	0.0219	0.0181	0.0177
2840	0.0153	0.0238	0.0180	0.0218	0.0317	0.0285	0.0292	0.0173	0.0217	0.0179	0.0175
2839	0.0151	0.0234	0.0178	0.0216	0.0313	0.0282	0.0288	0.0172	0.0214	0.0177	0.0173
2838	0.0149	0.0231	0.0176	0.0214	0.0311	0.0280	0.0285	0.0170	0.0212	0.0176	0.0171
2837	0.0148	0.0228	0.0174	0.0213	0.0308	0.0277	0.0283	0.0168	0.0210	0.0174	0.0170
2836	0.0146	0.0226	0.0172	0.0211	0.0306	0.0275	0.0280	0.0167	0.0209	0.0173	0.0169
2835	0.0145	0.0224	0.0171	0.0210	0.0303	0.0273	0.0278	0.0165	0.0207	0.0171	0.0168
2834	0.0144	0.0222	0.0170	0.0208	0.0301	0.0271	0.0276	0.0164	0.0206	0.0170	0.0167
2833	0.0143	0.0220	0.0169	0.0207	0.0298	0.0269	0.0274	0.0162	0.0204	0.0169	0.0166
2832	0.0142	0.0219	0.0168	0.0205	0.0296	0.0267	0.0272	0.0162	0.0203	0.0167	0.0166
2831	0.0141	0.0217	0.0167	0.0204	0.0294	0.0266	0.0271	0.0161	0.0202	0.0167	0.0165
2830	0.0140	0.0216	0.0167	0.0203	0.0293	0.0264	0.0269	0.0160	0.0200	0.0166	0.0164
2829	0.0139	0.0214	0.0166	0.0201	0.0291	0.0263	0.0267	0.0159	0.0199	0.0165	0.0164
2828	0.0138	0.0213	0.0165	0.0199	0.0290	0.0261	0.0265	0.0157	0.0198	0.0164	0.0163
2827	0.0137	0.0211	0.0164	0.0198	0.0288	0.0260	0.0263	0.0156	0.0197	0.0163	0.0162
2826	0.0136	0.0210	0.0163	0.0197	0.0286	0.0258	0.0262	0.0155	0.0196	0.0162	0.0161
2825	0.0136	0.0208	0.0162	0.0196	0.0285	0.0256	0.0261	0.0154	0.0195	0.0160	0.0160
2824	0.0135	0.0207	0.0162	0.0195	0.0283	0.0255	0.0260	0.0153	0.0194	0.0159	0.0159
2823	0.0134	0.0206	0.0161	0.0194	0.0282	0.0254	0.0259	0.0152	0.0193	0.0159	0.0158
2822	0.0133	0.0205	0.0160	0.0194	0.0281	0.0253	0.0257	0.0152	0.0193	0.0158	0.0157
2821	0.0132	0.0205	0.0159	0.0193	0.0280	0.0252	0.0257	0.0151	0.0192	0.0157	0.0157
2820	0.0132	0.0204	0.0158	0.0192	0.0278	0.0251	0.0256	0.0151	0.0191	0.0157	0.0156
2819	0.0131	0.0203	0.0158	0.0191	0.0277	0.0250	0.0255	0.0150	0.0190	0.0156	0.0156
2818	0.0131	0.0202	0.0157	0.0190	0.0276	0.0248	0.0253	0.0149	0.0189	0.0155	0.0155
2817	0.0130	0.0200	0.0156	0.0189	0.0274	0.0247	0.0252	0.0149	0.0187	0.0154	0.0154
2816	0.0129	0.0199	0.0155	0.0188	0.0273	0.0245	0.0250	0.0148	0.0186	0.0152	0.0153

2815	0.0128	0.0197	0.0154	0.0186	0.0272	0.0244	0.0249	0.0147	0.0185	0.0151	0.0153
2814	0.0127	0.0196	0.0153	0.0185	0.0271	0.0243	0.0248	0.0146	0.0184	0.0150	0.0152
2813	0.0126	0.0195	0.0152	0.0184	0.0269	0.0241	0.0246	0.0145	0.0182	0.0149	0.0151
2812	0.0125	0.0194	0.0152	0.0182	0.0268	0.0240	0.0245	0.0144	0.0182	0.0149	0.0150
2811	0.0125	0.0193	0.0151	0.0182	0.0266	0.0239	0.0244	0.0143	0.0181	0.0148	0.0149
2810	0.0125	0.0192	0.0151	0.0181	0.0265	0.0238	0.0243	0.0142	0.0181	0.0148	0.0148
2809	0.0124	0.0192	0.0150	0.0180	0.0264	0.0237	0.0243	0.0142	0.0181	0.0147	0.0148
2808	0.0124	0.0191	0.0150	0.0179	0.0263	0.0236	0.0242	0.0141	0.0180	0.0146	0.0147
2807	0.0123	0.0190	0.0149	0.0178	0.0262	0.0235	0.0241	0.0140	0.0179	0.0145	0.0146
2806	0.0123	0.0189	0.0148	0.0177	0.0260	0.0233	0.0240	0.0139	0.0178	0.0144	0.0146
2805	0.0122	0.0188	0.0147	0.0176	0.0260	0.0232	0.0239	0.0139	0.0177	0.0143	0.0145
2804	0.0122	0.0187	0.0147	0.0176	0.0259	0.0231	0.0238	0.0138	0.0176	0.0143	0.0145
2803	0.0121	0.0186	0.0146	0.0175	0.0257	0.0229	0.0237	0.0138	0.0176	0.0142	0.0145
2802	0.0121	0.0185	0.0146	0.0175	0.0256	0.0228	0.0236	0.0137	0.0175	0.0142	0.0144
2801	0.0120	0.0185	0.0146	0.0174	0.0255	0.0227	0.0235	0.0137	0.0174	0.0141	0.0144
2800	0.0120	0.0184	0.0145	0.0173	0.0255	0.0226	0.0234	0.0136	0.0173	0.0141	0.0144
2799	0.0120	0.0183	0.0145	0.0173	0.0254	0.0225	0.0233	0.0136	0.0173	0.0140	0.0143
2798	0.0119	0.0182	0.0145	0.0172	0.0254	0.0225	0.0233	0.0135	0.0172	0.0139	0.0142
2797	0.0119	0.0181	0.0144	0.0172	0.0252	0.0224	0.0232	0.0135	0.0171	0.0139	0.0141
2796	0.0118	0.0180	0.0143	0.0171	0.0251	0.0223	0.0231	0.0134	0.0170	0.0138	0.0141
2795	0.0118	0.0180	0.0142	0.0170	0.0250	0.0222	0.0231	0.0134	0.0170	0.0137	0.0140
2794	0.0117	0.0179	0.0141	0.0168	0.0248	0.0221	0.0230	0.0133	0.0169	0.0136	0.0140
2793	0.0117	0.0178	0.0141	0.0168	0.0247	0.0221	0.0229	0.0133	0.0168	0.0136	0.0140
2792	0.0117	0.0177	0.0140	0.0167	0.0246	0.0220	0.0228	0.0132	0.0167	0.0135	0.0139
2791	0.0116	0.0176	0.0140	0.0166	0.0245	0.0218	0.0227	0.0131	0.0166	0.0134	0.0139
2790	0.0116	0.0176	0.0139	0.0166	0.0244	0.0217	0.0226	0.0130	0.0166	0.0133	0.0138
2789	0.0116	0.0175	0.0139	0.0166	0.0243	0.0216	0.0225	0.0129	0.0165	0.0132	0.0137
2788	0.0116	0.0175	0.0139	0.0165	0.0243	0.0216	0.0225	0.0129	0.0165	0.0132	0.0137
2787	0.0116	0.0175	0.0139	0.0164	0.0243	0.0216	0.0224	0.0129	0.0165	0.0132	0.0137
2786	0.0116	0.0174	0.0138	0.0164	0.0242	0.0215	0.0224	0.0129	0.0165	0.0132	0.0136
2785	0.0115	0.0173	0.0138	0.0163	0.0241	0.0214	0.0223	0.0128	0.0164	0.0131	0.0136
2784	0.0115	0.0172	0.0137	0.0162	0.0240	0.0213	0.0222	0.0127	0.0163	0.0131	0.0135
2783	0.0114	0.0171	0.0137	0.0161	0.0239	0.0212	0.0221	0.0127	0.0162	0.0130	0.0134
2782	0.0114	0.0170	0.0136	0.0160	0.0238	0.0211	0.0221	0.0126	0.0161	0.0129	0.0134
2781	0.0114	0.0169	0.0136	0.0159	0.0237	0.0210	0.0220	0.0126	0.0160	0.0129	0.0134
2780	0.0114	0.0169	0.0135	0.0158	0.0237	0.0209	0.0220	0.0125	0.0160	0.0128	0.0134
2779	0.0113	0.0169	0.0135	0.0158	0.0236	0.0209	0.0220	0.0125	0.0160	0.0128	0.0134
2778	0.0113	0.0169	0.0134	0.0158	0.0235	0.0209	0.0219	0.0125	0.0160	0.0127	0.0133
2777	0.0113	0.0169	0.0134	0.0158	0.0234	0.0208	0.0218	0.0124	0.0160	0.0127	0.0132
2776	0.0112	0.0168	0.0133	0.0157	0.0233	0.0207	0.0217	0.0124	0.0159	0.0127	0.0132
2775	0.0112	0.0167	0.0132	0.0156	0.0232	0.0206	0.0216	0.0123	0.0158	0.0126	0.0131
2774	0.0111	0.0166	0.0132	0.0155	0.0231	0.0205	0.0215	0.0122	0.0158	0.0126	0.0130
2773	0.0111	0.0165	0.0131	0.0155	0.0230	0.0204	0.0214	0.0122	0.0157	0.0125	0.0130
2772	0.0111	0.0165	0.0131	0.0154	0.0230	0.0204	0.0214	0.0121	0.0156	0.0125	0.0130

2771	0.0111	0.0164	0.0131	0.0154	0.0230	0.0203	0.0213	0.0121	0.0156	0.0124	0.0130
2770	0.0112	0.0164	0.0131	0.0154	0.0230	0.0203	0.0213	0.0121	0.0156	0.0125	0.0130
2769	0.0112	0.0164	0.0131	0.0154	0.0230	0.0203	0.0213	0.0121	0.0156	0.0125	0.0130
2768	0.0112	0.0163	0.0131	0.0153	0.0229	0.0203	0.0213	0.0120	0.0156	0.0124	0.0130
2767	0.0112	0.0163	0.0131	0.0153	0.0229	0.0202	0.0213	0.0120	0.0155	0.0123	0.0130
2766	0.0111	0.0162	0.0130	0.0152	0.0227	0.0201	0.0212	0.0120	0.0155	0.0122	0.0129
2765	0.0110	0.0161	0.0130	0.0151	0.0226	0.0200	0.0212	0.0119	0.0154	0.0122	0.0129
2764	0.0110	0.0161	0.0129	0.0150	0.0225	0.0199	0.0211	0.0119	0.0153	0.0121	0.0128
2763	0.0109	0.0160	0.0128	0.0150	0.0224	0.0199	0.0210	0.0118	0.0153	0.0121	0.0127
2762	0.0109	0.0160	0.0128	0.0149	0.0224	0.0199	0.0210	0.0118	0.0152	0.0120	0.0127
2761	0.0110	0.0160	0.0128	0.0149	0.0224	0.0199	0.0210	0.0118	0.0152	0.0120	0.0127
2760	0.0110	0.0160	0.0128	0.0149	0.0224	0.0199	0.0210	0.0118	0.0152	0.0120	0.0127
2759	0.0110	0.0159	0.0128	0.0149	0.0224	0.0198	0.0209	0.0118	0.0152	0.0120	0.0126
2758	0.0109	0.0159	0.0127	0.0148	0.0223	0.0197	0.0208	0.0117	0.0152	0.0119	0.0126
2757	0.0109	0.0158	0.0127	0.0148	0.0223	0.0196	0.0207	0.0116	0.0151	0.0119	0.0126
2756	0.0108	0.0158	0.0127	0.0148	0.0222	0.0196	0.0207	0.0116	0.0151	0.0118	0.0125
2755	0.0108	0.0157	0.0127	0.0147	0.0222	0.0196	0.0207	0.0115	0.0150	0.0118	0.0125
2754	0.0108	0.0157	0.0127	0.0147	0.0222	0.0195	0.0207	0.0115	0.0150	0.0118	0.0125
2753	0.0108	0.0157	0.0126	0.0147	0.0221	0.0195	0.0207	0.0115	0.0150	0.0118	0.0125
2752	0.0108	0.0156	0.0126	0.0147	0.0221	0.0195	0.0207	0.0114	0.0149	0.0118	0.0124
2751	0.0107	0.0156	0.0126	0.0146	0.0221	0.0195	0.0206	0.0114	0.0148	0.0117	0.0124
2750	0.0107	0.0156	0.0126	0.0146	0.0220	0.0194	0.0206	0.0114	0.0148	0.0117	0.0123
2749	0.0107	0.0156	0.0126	0.0146	0.0220	0.0194	0.0206	0.0114	0.0148	0.0117	0.0123
2748	0.0107	0.0156	0.0126	0.0146	0.0220	0.0194	0.0206	0.0114	0.0149	0.0116	0.0123
2747	0.0107	0.0155	0.0126	0.0146	0.0220	0.0194	0.0205	0.0115	0.0149	0.0116	0.0124
2746	0.0107	0.0155	0.0125	0.0146	0.0220	0.0194	0.0205	0.0115	0.0149	0.0116	0.0124
2745	0.0107	0.0156	0.0125	0.0146	0.0220	0.0194	0.0205	0.0115	0.0149	0.0117	0.0124
2744	0.0107	0.0156	0.0125	0.0146	0.0220	0.0194	0.0205	0.0115	0.0149	0.0117	0.0125
2743	0.0108	0.0156	0.0126	0.0146	0.0219	0.0194	0.0206	0.0115	0.0149	0.0117	0.0125
2742	0.0107	0.0156	0.0126	0.0146	0.0219	0.0194	0.0206	0.0114	0.0149	0.0117	0.0125
2741	0.0107	0.0155	0.0126	0.0146	0.0219	0.0194	0.0206	0.0114	0.0149	0.0117	0.0124
2740	0.0107	0.0155	0.0126	0.0146	0.0219	0.0194	0.0206	0.0114	0.0149	0.0116	0.0124
2739	0.0106	0.0155	0.0125	0.0145	0.0219	0.0193	0.0205	0.0114	0.0148	0.0116	0.0124
2738	0.0106	0.0155	0.0125	0.0145	0.0218	0.0193	0.0205	0.0113	0.0148	0.0116	0.0124
2737	0.0106	0.0155	0.0125	0.0144	0.0218	0.0193	0.0204	0.0113	0.0147	0.0115	0.0123
2736	0.0106	0.0154	0.0124	0.0144	0.0218	0.0192	0.0204	0.0113	0.0147	0.0115	0.0123
2735	0.0106	0.0154	0.0124	0.0144	0.0218	0.0192	0.0203	0.0113	0.0147	0.0115	0.0123
2734	0.0106	0.0154	0.0124	0.0144	0.0218	0.0192	0.0203	0.0113	0.0148	0.0115	0.0123
2733	0.0106	0.0154	0.0123	0.0144	0.0218	0.0191	0.0202	0.0113	0.0148	0.0114	0.0123
2732	0.0105	0.0153	0.0123	0.0144	0.0217	0.0191	0.0202	0.0113	0.0148	0.0114	0.0122
2731	0.0105	0.0153	0.0123	0.0144	0.0216	0.0190	0.0202	0.0113	0.0147	0.0114	0.0122
2730	0.0106	0.0154	0.0123	0.0144	0.0216	0.0190	0.0202	0.0113	0.0147	0.0115	0.0122
2729	0.0106	0.0154	0.0123	0.0144	0.0216	0.0190	0.0202	0.0113	0.0147	0.0115	0.0122
2728	0.0106	0.0153	0.0123	0.0143	0.0216	0.0190	0.0202	0.0112	0.0147	0.0115	0.0122

2727	0.0106	0.0153	0.0123	0.0143	0.0216	0.0190	0.0202	0.0112	0.0146	0.0115	0.0122
2726	0.0105	0.0152	0.0122	0.0143	0.0215	0.0190	0.0202	0.0112	0.0146	0.0114	0.0122
2725	0.0105	0.0152	0.0122	0.0142	0.0215	0.0190	0.0201	0.0112	0.0145	0.0114	0.0121
2724	0.0104	0.0151	0.0122	0.0142	0.0214	0.0189	0.0201	0.0112	0.0145	0.0113	0.0121
2723	0.0105	0.0151	0.0122	0.0142	0.0214	0.0189	0.0201	0.0112	0.0145	0.0113	0.0121
2722	0.0105	0.0151	0.0122	0.0142	0.0213	0.0189	0.0201	0.0112	0.0145	0.0113	0.0120
2721	0.0105	0.0151	0.0122	0.0142	0.0213	0.0188	0.0201	0.0111	0.0145	0.0113	0.0120
2720	0.0105	0.0151	0.0122	0.0142	0.0214	0.0188	0.0200	0.0111	0.0145	0.0113	0.0120
2719	0.0105	0.0150	0.0121	0.0141	0.0213	0.0188	0.0200	0.0111	0.0145	0.0113	0.0120
2718	0.0104	0.0150	0.0121	0.0141	0.0213	0.0187	0.0199	0.0110	0.0144	0.0113	0.0120
2717	0.0104	0.0149	0.0120	0.0140	0.0212	0.0186	0.0198	0.0110	0.0143	0.0112	0.0119
2716	0.0103	0.0148	0.0120	0.0139	0.0211	0.0185	0.0198	0.0109	0.0143	0.0111	0.0119
2715	0.0103	0.0148	0.0119	0.0138	0.0210	0.0184	0.0197	0.0108	0.0143	0.0110	0.0119
2714	0.0103	0.0148	0.0119	0.0138	0.0210	0.0184	0.0197	0.0108	0.0142	0.0110	0.0119
2713	0.0103	0.0148	0.0119	0.0138	0.0210	0.0184	0.0197	0.0108	0.0142	0.0110	0.0119
2712	0.0103	0.0148	0.0119	0.0138	0.0210	0.0184	0.0196	0.0108	0.0142	0.0110	0.0118
2711	0.0103	0.0147	0.0119	0.0137	0.0209	0.0184	0.0196	0.0108	0.0142	0.0110	0.0118
2710	0.0102	0.0147	0.0119	0.0137	0.0209	0.0183	0.0196	0.0108	0.0141	0.0110	0.0118
2709	0.0102	0.0147	0.0119	0.0137	0.0208	0.0183	0.0196	0.0108	0.0141	0.0109	0.0117
2708	0.0102	0.0146	0.0119	0.0137	0.0208	0.0182	0.0196	0.0108	0.0141	0.0109	0.0117
2707	0.0101	0.0146	0.0119	0.0136	0.0208	0.0182	0.0195	0.0108	0.0141	0.0109	0.0117
2706	0.0101	0.0145	0.0118	0.0136	0.0207	0.0181	0.0195	0.0107	0.0140	0.0109	0.0116
2705	0.0100	0.0145	0.0118	0.0135	0.0206	0.0181	0.0194	0.0106	0.0140	0.0108	0.0116
2704	0.0100	0.0144	0.0117	0.0134	0.0205	0.0181	0.0194	0.0106	0.0139	0.0108	0.0115
2703	0.0100	0.0144	0.0117	0.0134	0.0205	0.0180	0.0193	0.0105	0.0139	0.0108	0.0115
2702	0.0100	0.0144	0.0117	0.0134	0.0205	0.0180	0.0193	0.0105	0.0139	0.0108	0.0115
2701	0.0100	0.0144	0.0117	0.0134	0.0205	0.0180	0.0193	0.0106	0.0139	0.0108	0.0116
2700	0.0100	0.0143	0.0117	0.0134	0.0205	0.0180	0.0193	0.0106	0.0138	0.0108	0.0116
2699	0.0100	0.0143	0.0117	0.0134	0.0205	0.0180	0.0193	0.0106	0.0138	0.0108	0.0116
2698	0.0100	0.0143	0.0117	0.0134	0.0204	0.0179	0.0192	0.0105	0.0138	0.0107	0.0116
2697	0.0100	0.0142	0.0116	0.0134	0.0204	0.0178	0.0192	0.0104	0.0137	0.0106	0.0115
2696	0.0100	0.0142	0.0116	0.0133	0.0203	0.0177	0.0191	0.0104	0.0137	0.0105	0.0114
2695	0.0099	0.0141	0.0115	0.0133	0.0202	0.0177	0.0190	0.0103	0.0137	0.0104	0.0114
2694	0.0099	0.0141	0.0115	0.0132	0.0202	0.0177	0.0190	0.0103	0.0136	0.0104	0.0113
2693	0.0099	0.0140	0.0115	0.0132	0.0201	0.0176	0.0190	0.0103	0.0136	0.0104	0.0113
2692	0.0099	0.0140	0.0115	0.0131	0.0201	0.0176	0.0190	0.0103	0.0135	0.0103	0.0113
2691	0.0099	0.0140	0.0115	0.0131	0.0201	0.0176	0.0190	0.0102	0.0135	0.0103	0.0112
2690	0.0098	0.0139	0.0114	0.0130	0.0200	0.0175	0.0189	0.0102	0.0135	0.0103	0.0112
2689	0.0098	0.0139	0.0114	0.0130	0.0200	0.0174	0.0188	0.0101	0.0134	0.0102	0.0112
2688	0.0097	0.0139	0.0113	0.0129	0.0199	0.0173	0.0188	0.0101	0.0134	0.0102	0.0112
2687	0.0097	0.0138	0.0113	0.0129	0.0198	0.0173	0.0188	0.0101	0.0134	0.0102	0.0112
2686	0.0098	0.0138	0.0113	0.0129	0.0198	0.0173	0.0188	0.0101	0.0134	0.0102	0.0112
2685	0.0098	0.0138	0.0113	0.0129	0.0198	0.0173	0.0188	0.0102	0.0134	0.0102	0.0112
2684	0.0098	0.0138	0.0113	0.0129	0.0198	0.0173	0.0188	0.0102	0.0134	0.0102	0.0111

2683	0.0098	0.0137	0.0113	0.0128	0.0197	0.0172	0.0187	0.0101	0.0134	0.0101	0.0111
2682	0.0097	0.0137	0.0112	0.0128	0.0196	0.0172	0.0186	0.0101	0.0133	0.0101	0.0111
2681	0.0097	0.0137	0.0112	0.0127	0.0196	0.0171	0.0186	0.0101	0.0133	0.0100	0.0112
2680	0.0097	0.0136	0.0112	0.0127	0.0195	0.0171	0.0185	0.0100	0.0132	0.0100	0.0112
2679	0.0097	0.0136	0.0111	0.0127	0.0195	0.0170	0.0185	0.0100	0.0132	0.0100	0.0111
2678	0.0097	0.0136	0.0111	0.0126	0.0195	0.0170	0.0185	0.0100	0.0132	0.0099	0.0111
2677	0.0097	0.0135	0.0111	0.0126	0.0195	0.0170	0.0185	0.0100	0.0132	0.0099	0.0110
2676	0.0097	0.0135	0.0111	0.0126	0.0194	0.0169	0.0184	0.0100	0.0132	0.0099	0.0110
2675	0.0097	0.0135	0.0111	0.0126	0.0194	0.0169	0.0184	0.0099	0.0132	0.0099	0.0110
2674	0.0096	0.0135	0.0111	0.0126	0.0193	0.0168	0.0184	0.0099	0.0131	0.0099	0.0109
2673	0.0096	0.0134	0.0110	0.0126	0.0193	0.0168	0.0183	0.0098	0.0131	0.0098	0.0109
2672	0.0096	0.0134	0.0110	0.0125	0.0192	0.0167	0.0182	0.0098	0.0130	0.0098	0.0109
2671	0.0096	0.0133	0.0109	0.0125	0.0192	0.0167	0.0182	0.0098	0.0130	0.0098	0.0108
2670	0.0095	0.0133	0.0109	0.0125	0.0192	0.0167	0.0181	0.0097	0.0129	0.0098	0.0108
2669	0.0095	0.0132	0.0109	0.0124	0.0192	0.0166	0.0181	0.0097	0.0129	0.0098	0.0108
2668	0.0095	0.0132	0.0109	0.0124	0.0191	0.0166	0.0181	0.0097	0.0129	0.0097	0.0108
2667	0.0095	0.0132	0.0109	0.0124	0.0191	0.0166	0.0181	0.0097	0.0128	0.0097	0.0108
2666	0.0095	0.0132	0.0109	0.0123	0.0191	0.0165	0.0181	0.0097	0.0128	0.0097	0.0108
2665	0.0095	0.0132	0.0109	0.0123	0.0191	0.0165	0.0181	0.0097	0.0128	0.0097	0.0108
2664	0.0096	0.0133	0.0110	0.0124	0.0190	0.0165	0.0182	0.0097	0.0129	0.0097	0.0109
2663	0.0096	0.0133	0.0110	0.0124	0.0190	0.0166	0.0182	0.0098	0.0129	0.0098	0.0109
2662	0.0096	0.0134	0.0111	0.0124	0.0191	0.0166	0.0182	0.0098	0.0129	0.0098	0.0109
2661	0.0097	0.0134	0.0111	0.0124	0.0191	0.0166	0.0182	0.0098	0.0129	0.0098	0.0109
2660	0.0097	0.0134	0.0111	0.0124	0.0191	0.0166	0.0182	0.0098	0.0129	0.0098	0.0109
2659	0.0097	0.0134	0.0111	0.0124	0.0191	0.0165	0.0182	0.0098	0.0129	0.0098	0.0109
2658	0.0097	0.0134	0.0112	0.0123	0.0190	0.0165	0.0182	0.0098	0.0130	0.0098	0.0109
2657	0.0097	0.0134	0.0112	0.0123	0.0190	0.0165	0.0182	0.0098	0.0130	0.0098	0.0109
2656	0.0097	0.0133	0.0112	0.0123	0.0189	0.0165	0.0182	0.0098	0.0129	0.0098	0.0109
2655	0.0097	0.0133	0.0112	0.0123	0.0189	0.0165	0.0182	0.0097	0.0129	0.0097	0.0109
2654	0.0097	0.0132	0.0112	0.0122	0.0189	0.0164	0.0182	0.0097	0.0129	0.0097	0.0109
2653	0.0097	0.0132	0.0112	0.0122	0.0189	0.0164	0.0182	0.0097	0.0129	0.0097	0.0110
2652	0.0097	0.0132	0.0112	0.0122	0.0189	0.0164	0.0182	0.0097	0.0128	0.0097	0.0110
2651	0.0097	0.0132	0.0112	0.0122	0.0189	0.0163	0.0181	0.0096	0.0128	0.0097	0.0110
2650	0.0097	0.0132	0.0112	0.0121	0.0189	0.0163	0.0180	0.0096	0.0127	0.0097	0.0110
2649	0.0097	0.0132	0.0112	0.0121	0.0188	0.0163	0.0180	0.0096	0.0127	0.0096	0.0110
2648	0.0097	0.0132	0.0111	0.0121	0.0187	0.0163	0.0180	0.0096	0.0127	0.0096	0.0109
2647	0.0097	0.0132	0.0111	0.0120	0.0186	0.0162	0.0180	0.0096	0.0126	0.0096	0.0109
2646	0.0096	0.0131	0.0111	0.0119	0.0185	0.0161	0.0180	0.0095	0.0126	0.0096	0.0108
2645	0.0096	0.0131	0.0110	0.0119	0.0185	0.0160	0.0180	0.0095	0.0126	0.0096	0.0108
2644	0.0096	0.0131	0.0110	0.0118	0.0184	0.0160	0.0179	0.0095	0.0125	0.0096	0.0108
2643	0.0096	0.0130	0.0110	0.0118	0.0184	0.0159	0.0178	0.0095	0.0125	0.0095	0.0108
2642	0.0096	0.0130	0.0110	0.0118	0.0184	0.0159	0.0178	0.0095	0.0126	0.0095	0.0108
2641	0.0096	0.0130	0.0110	0.0118	0.0183	0.0159	0.0178	0.0094	0.0126	0.0094	0.0108
2640	0.0095	0.0129	0.0110	0.0117	0.0183	0.0159	0.0177	0.0094	0.0125	0.0093	0.0107

2639	0.0095	0.0128	0.0109	0.0117	0.0183	0.0158	0.0176	0.0093	0.0124	0.0092	0.0107
2638	0.0095	0.0128	0.0109	0.0117	0.0182	0.0158	0.0176	0.0093	0.0124	0.0092	0.0107
2637	0.0095	0.0127	0.0109	0.0117	0.0183	0.0158	0.0176	0.0092	0.0124	0.0092	0.0107
2636	0.0095	0.0127	0.0109	0.0117	0.0183	0.0157	0.0176	0.0093	0.0124	0.0092	0.0107
2635	0.0095	0.0127	0.0108	0.0117	0.0183	0.0157	0.0176	0.0092	0.0124	0.0092	0.0107
2634	0.0095	0.0127	0.0108	0.0116	0.0182	0.0156	0.0175	0.0091	0.0124	0.0092	0.0107
2633	0.0094	0.0127	0.0107	0.0115	0.0181	0.0155	0.0175	0.0091	0.0123	0.0091	0.0106
2632	0.0094	0.0126	0.0106	0.0114	0.0180	0.0154	0.0174	0.0090	0.0122	0.0091	0.0106
2631	0.0093	0.0126	0.0106	0.0113	0.0179	0.0154	0.0174	0.0090	0.0121	0.0090	0.0105
2630	0.0093	0.0126	0.0106	0.0113	0.0179	0.0153	0.0174	0.0091	0.0121	0.0090	0.0105
2629	0.0093	0.0126	0.0106	0.0113	0.0179	0.0153	0.0174	0.0091	0.0121	0.0090	0.0106
2628	0.0093	0.0126	0.0107	0.0114	0.0180	0.0154	0.0174	0.0091	0.0121	0.0090	0.0106
2627	0.0093	0.0125	0.0107	0.0113	0.0180	0.0153	0.0173	0.0091	0.0121	0.0089	0.0106
2626	0.0093	0.0125	0.0106	0.0113	0.0179	0.0152	0.0173	0.0091	0.0120	0.0089	0.0105
2625	0.0092	0.0124	0.0106	0.0112	0.0179	0.0151	0.0172	0.0090	0.0120	0.0089	0.0105
2624	0.0092	0.0124	0.0106	0.0110	0.0178	0.0150	0.0171	0.0089	0.0119	0.0088	0.0104
2623	0.0092	0.0123	0.0105	0.0110	0.0178	0.0149	0.0171	0.0089	0.0118	0.0088	0.0104
2622	0.0091	0.0122	0.0104	0.0109	0.0177	0.0148	0.0170	0.0088	0.0118	0.0087	0.0104
2621	0.0091	0.0121	0.0103	0.0109	0.0177	0.0147	0.0170	0.0088	0.0117	0.0087	0.0104
2620	0.0090	0.0121	0.0103	0.0109	0.0176	0.0148	0.0169	0.0088	0.0118	0.0087	0.0104
2619	0.0090	0.0120	0.0103	0.0110	0.0175	0.0148	0.0168	0.0088	0.0118	0.0087	0.0103
2618	0.0090	0.0119	0.0102	0.0110	0.0175	0.0148	0.0167	0.0088	0.0118	0.0087	0.0103
2617	0.0090	0.0119	0.0102	0.0110	0.0174	0.0148	0.0166	0.0088	0.0117	0.0087	0.0102
2616	0.0089	0.0118	0.0101	0.0109	0.0174	0.0148	0.0166	0.0087	0.0117	0.0087	0.0101
2615	0.0089	0.0117	0.0100	0.0108	0.0173	0.0147	0.0165	0.0087	0.0116	0.0086	0.0101
2614	0.0089	0.0117	0.0100	0.0108	0.0173	0.0147	0.0165	0.0086	0.0116	0.0086	0.0100
2613	0.0088	0.0116	0.0100	0.0108	0.0172	0.0146	0.0165	0.0086	0.0115	0.0085	0.0099
2612	0.0088	0.0116	0.0100	0.0107	0.0172	0.0146	0.0165	0.0085	0.0114	0.0084	0.0099
2611	0.0088	0.0115	0.0100	0.0107	0.0172	0.0145	0.0165	0.0085	0.0113	0.0084	0.0099
2610	0.0088	0.0115	0.0099	0.0107	0.0172	0.0144	0.0165	0.0085	0.0113	0.0083	0.0099
2609	0.0088	0.0115	0.0099	0.0107	0.0171	0.0144	0.0165	0.0085	0.0112	0.0083	0.0099
2608	0.0089	0.0115	0.0100	0.0107	0.0171	0.0144	0.0165	0.0085	0.0112	0.0083	0.0100
2607	0.0089	0.0116	0.0101	0.0107	0.0171	0.0144	0.0165	0.0084	0.0113	0.0083	0.0100
2606	0.0089	0.0116	0.0100	0.0106	0.0170	0.0143	0.0165	0.0083	0.0113	0.0083	0.0100
2605	0.0088	0.0116	0.0099	0.0105	0.0169	0.0142	0.0165	0.0082	0.0113	0.0083	0.0100
2604	0.0087	0.0115	0.0098	0.0104	0.0168	0.0141	0.0164	0.0081	0.0113	0.0082	0.0099
2603	0.0086	0.0115	0.0098	0.0102	0.0168	0.0141	0.0164	0.0080	0.0112	0.0082	0.0097
2602	0.0086	0.0114	0.0097	0.0101	0.0168	0.0140	0.0163	0.0080	0.0111	0.0081	0.0096
2601	0.0085	0.0113	0.0098	0.0101	0.0168	0.0139	0.0162	0.0080	0.0110	0.0081	0.0096
2600	0.0085	0.0112	0.0098	0.0102	0.0168	0.0139	0.0162	0.0081	0.0110	0.0081	0.0096
2599	0.0085	0.0111	0.0098	0.0103	0.0168	0.0140	0.0162	0.0081	0.0110	0.0080	0.0097
2598	0.0085	0.0111	0.0098	0.0103	0.0167	0.0140	0.0162	0.0081	0.0110	0.0080	0.0097
2597	0.0085	0.0110	0.0098	0.0103	0.0166	0.0140	0.0162	0.0080	0.0110	0.0080	0.0098
2596	0.0086	0.0110	0.0098	0.0103	0.0166	0.0140	0.0162	0.0080	0.0110	0.0080	0.0099

2595	0.0086	0.0110	0.0098	0.0103	0.0166	0.0140	0.0163	0.0081	0.0110	0.0080	0.0099
2594	0.0086	0.0110	0.0097	0.0103	0.0166	0.0140	0.0163	0.0082	0.0109	0.0080	0.0099
2593	0.0085	0.0111	0.0096	0.0102	0.0165	0.0139	0.0163	0.0082	0.0110	0.0080	0.0098
2592	0.0085	0.0112	0.0096	0.0102	0.0165	0.0138	0.0162	0.0082	0.0110	0.0080	0.0098
2591	0.0085	0.0113	0.0095	0.0102	0.0165	0.0138	0.0162	0.0080	0.0110	0.0081	0.0098
2590	0.0085	0.0113	0.0096	0.0101	0.0165	0.0139	0.0161	0.0080	0.0110	0.0082	0.0098
2589	0.0085	0.0113	0.0097	0.0101	0.0165	0.0139	0.0160	0.0079	0.0110	0.0081	0.0097
2588	0.0084	0.0112	0.0097	0.0100	0.0164	0.0139	0.0157	0.0079	0.0108	0.0080	0.0097
2587	0.0084	0.0111	0.0097	0.0099	0.0163	0.0138	0.0156	0.0080	0.0107	0.0079	0.0096
2586	0.0084	0.0111	0.0096	0.0099	0.0163	0.0137	0.0155	0.0081	0.0106	0.0078	0.0096
2585	0.0084	0.0111	0.0096	0.0099	0.0164	0.0137	0.0156	0.0082	0.0106	0.0078	0.0096
2584	0.0085	0.0110	0.0095	0.0098	0.0165	0.0137	0.0156	0.0082	0.0106	0.0079	0.0096
2583	0.0084	0.0109	0.0094	0.0096	0.0164	0.0136	0.0156	0.0081	0.0106	0.0079	0.0096
2582	0.0084	0.0109	0.0093	0.0095	0.0163	0.0135	0.0155	0.0079	0.0105	0.0079	0.0095
2581	0.0082	0.0109	0.0091	0.0094	0.0161	0.0134	0.0153	0.0077	0.0104	0.0078	0.0094
2580	0.0081	0.0109	0.0090	0.0094	0.0160	0.0133	0.0152	0.0075	0.0104	0.0076	0.0093
2579	0.0080	0.0108	0.0089	0.0094	0.0159	0.0132	0.0152	0.0074	0.0103	0.0076	0.0092
2578	0.0080	0.0107	0.0089	0.0094	0.0158	0.0132	0.0153	0.0074	0.0103	0.0075	0.0093
2577	0.0081	0.0106	0.0089	0.0094	0.0159	0.0131	0.0154	0.0075	0.0104	0.0075	0.0094
2576	0.0081	0.0106	0.0091	0.0094	0.0160	0.0131	0.0155	0.0075	0.0104	0.0075	0.0094
2575	0.0082	0.0106	0.0092	0.0095	0.0161	0.0131	0.0155	0.0074	0.0104	0.0075	0.0094
2574	0.0082	0.0106	0.0092	0.0096	0.0161	0.0131	0.0155	0.0073	0.0105	0.0075	0.0093
2573	0.0082	0.0105	0.0092	0.0096	0.0160	0.0130	0.0154	0.0073	0.0105	0.0076	0.0092
2572	0.0081	0.0104	0.0091	0.0096	0.0158	0.0129	0.0153	0.0072	0.0105	0.0075	0.0091
2571	0.0080	0.0102	0.0090	0.0096	0.0157	0.0129	0.0152	0.0071	0.0104	0.0074	0.0090
2570	0.0080	0.0102	0.0090	0.0095	0.0156	0.0129	0.0151	0.0071	0.0103	0.0073	0.0089
2569	0.0080	0.0102	0.0090	0.0095	0.0156	0.0129	0.0151	0.0072	0.0103	0.0073	0.0090
2568	0.0080	0.0103	0.0091	0.0095	0.0157	0.0129	0.0151	0.0073	0.0104	0.0074	0.0090
2567	0.0081	0.0104	0.0091	0.0095	0.0158	0.0129	0.0151	0.0074	0.0103	0.0075	0.0090
2566	0.0081	0.0104	0.0090	0.0095	0.0158	0.0128	0.0152	0.0075	0.0103	0.0075	0.0091
2565	0.0081	0.0104	0.0089	0.0095	0.0158	0.0129	0.0153	0.0076	0.0103	0.0075	0.0091
2564	0.0081	0.0103	0.0090	0.0096	0.0159	0.0130	0.0154	0.0076	0.0104	0.0075	0.0091
2563	0.0081	0.0103	0.0091	0.0098	0.0159	0.0132	0.0155	0.0076	0.0104	0.0076	0.0092
2562	0.0081	0.0103	0.0092	0.0098	0.0159	0.0133	0.0155	0.0075	0.0104	0.0076	0.0092
2561	0.0081	0.0103	0.0092	0.0098	0.0158	0.0132	0.0155	0.0074	0.0103	0.0075	0.0092
2560	0.0081	0.0103	0.0092	0.0097	0.0158	0.0131	0.0154	0.0073	0.0102	0.0075	0.0092
2559	0.0081	0.0104	0.0092	0.0096	0.0157	0.0131	0.0153	0.0073	0.0102	0.0075	0.0092
2558	0.0081	0.0106	0.0092	0.0096	0.0158	0.0131	0.0153	0.0074	0.0103	0.0076	0.0091
2557	0.0081	0.0107	0.0093	0.0096	0.0159	0.0131	0.0152	0.0075	0.0104	0.0077	0.0091
2556	0.0081	0.0107	0.0093	0.0097	0.0160	0.0130	0.0152	0.0076	0.0104	0.0077	0.0091
2555	0.0082	0.0106	0.0093	0.0097	0.0160	0.0129	0.0152	0.0076	0.0104	0.0076	0.0091
2554	0.0081	0.0104	0.0092	0.0096	0.0159	0.0129	0.0152	0.0075	0.0102	0.0075	0.0091
2553	0.0080	0.0103	0.0091	0.0095	0.0157	0.0128	0.0151	0.0074	0.0100	0.0074	0.0091
2552	0.0079	0.0102	0.0089	0.0094	0.0155	0.0128	0.0150	0.0074	0.0099	0.0073	0.0091

2551	0.0079	0.0103	0.0089	0.0092	0.0154	0.0127	0.0149	0.0074	0.0098	0.0073	0.0091
2550	0.0079	0.0105	0.0088	0.0091	0.0154	0.0127	0.0149	0.0073	0.0099	0.0074	0.0091
2549	0.0079	0.0106	0.0088	0.0090	0.0155	0.0127	0.0150	0.0073	0.0100	0.0073	0.0091
2548	0.0080	0.0105	0.0088	0.0090	0.0156	0.0127	0.0150	0.0073	0.0100	0.0072	0.0090
2547	0.0080	0.0103	0.0087	0.0090	0.0157	0.0127	0.0151	0.0073	0.0100	0.0072	0.0090
2546	0.0080	0.0101	0.0088	0.0090	0.0157	0.0128	0.0151	0.0073	0.0101	0.0072	0.0089
2545	0.0080	0.0100	0.0088	0.0091	0.0156	0.0128	0.0151	0.0073	0.0101	0.0073	0.0090
2544	0.0080	0.0100	0.0089	0.0091	0.0156	0.0129	0.0152	0.0074	0.0102	0.0074	0.0092
2543	0.0081	0.0102	0.0090	0.0092	0.0156	0.0130	0.0154	0.0075	0.0102	0.0075	0.0093
2542	0.0081	0.0104	0.0091	0.0094	0.0157	0.0131	0.0155	0.0076	0.0102	0.0075	0.0094
2541	0.0081	0.0105	0.0093	0.0095	0.0157	0.0130	0.0156	0.0075	0.0102	0.0075	0.0093
2540	0.0080	0.0105	0.0093	0.0095	0.0156	0.0128	0.0154	0.0074	0.0101	0.0075	0.0092
2539	0.0080	0.0104	0.0093	0.0094	0.0155	0.0127	0.0152	0.0072	0.0099	0.0074	0.0091
2538	0.0080	0.0102	0.0091	0.0094	0.0155	0.0126	0.0150	0.0072	0.0099	0.0073	0.0091
2537	0.0080	0.0101	0.0090	0.0093	0.0155	0.0125	0.0149	0.0072	0.0099	0.0073	0.0090
2536	0.0080	0.0101	0.0089	0.0092	0.0155	0.0125	0.0149	0.0073	0.0099	0.0073	0.0090
2535	0.0079	0.0101	0.0089	0.0091	0.0155	0.0124	0.0149	0.0072	0.0099	0.0072	0.0090
2534	0.0078	0.0101	0.0089	0.0089	0.0154	0.0124	0.0148	0.0071	0.0098	0.0072	0.0089
2533	0.0076	0.0101	0.0089	0.0088	0.0153	0.0124	0.0146	0.0070	0.0098	0.0071	0.0088
2532	0.0075	0.0101	0.0089	0.0087	0.0153	0.0124	0.0144	0.0069	0.0097	0.0070	0.0087
2531	0.0075	0.0101	0.0088	0.0087	0.0153	0.0124	0.0143	0.0069	0.0097	0.0069	0.0086
2530	0.0076	0.0101	0.0088	0.0087	0.0154	0.0123	0.0143	0.0070	0.0097	0.0069	0.0087
2529	0.0077	0.0102	0.0088	0.0088	0.0154	0.0123	0.0145	0.0070	0.0096	0.0069	0.0088
2528	0.0078	0.0103	0.0088	0.0089	0.0155	0.0123	0.0148	0.0071	0.0096	0.0070	0.0090
2527	0.0078	0.0104	0.0089	0.0090	0.0154	0.0124	0.0150	0.0072	0.0096	0.0071	0.0091
2526	0.0079	0.0105	0.0090	0.0091	0.0154	0.0126	0.0151	0.0073	0.0098	0.0072	0.0092
2525	0.0081	0.0105	0.0091	0.0092	0.0154	0.0127	0.0152	0.0074	0.0100	0.0074	0.0092
2524	0.0081	0.0105	0.0092	0.0092	0.0154	0.0128	0.0152	0.0075	0.0101	0.0075	0.0092
2523	0.0081	0.0103	0.0091	0.0092	0.0154	0.0127	0.0150	0.0075	0.0101	0.0074	0.0091
2522	0.0080	0.0100	0.0089	0.0092	0.0153	0.0126	0.0148	0.0074	0.0100	0.0072	0.0090
2521	0.0079	0.0099	0.0088	0.0091	0.0152	0.0126	0.0147	0.0074	0.0099	0.0071	0.0090
2520	0.0078	0.0098	0.0088	0.0091	0.0152	0.0126	0.0148	0.0074	0.0099	0.0070	0.0089
2519	0.0078	0.0099	0.0088	0.0091	0.0152	0.0127	0.0149	0.0075	0.0098	0.0070	0.0089
2518	0.0079	0.0100	0.0089	0.0091	0.0153	0.0128	0.0150	0.0075	0.0098	0.0068	0.0089
2517	0.0079	0.0101	0.0089	0.0091	0.0154	0.0128	0.0151	0.0074	0.0097	0.0067	0.0090
2516	0.0079	0.0101	0.0089	0.0092	0.0154	0.0128	0.0151	0.0072	0.0097	0.0066	0.0091
2515	0.0079	0.0101	0.0088	0.0092	0.0154	0.0128	0.0151	0.0071	0.0097	0.0066	0.0092
2514	0.0078	0.0100	0.0088	0.0092	0.0153	0.0127	0.0151	0.0070	0.0097	0.0067	0.0091
2513	0.0077	0.0099	0.0088	0.0091	0.0152	0.0126	0.0151	0.0070	0.0098	0.0069	0.0090
2512	0.0077	0.0099	0.0088	0.0090	0.0151	0.0125	0.0151	0.0071	0.0099	0.0071	0.0088
2511	0.0078	0.0099	0.0089	0.0090	0.0150	0.0125	0.0151	0.0072	0.0100	0.0072	0.0088
2510	0.0079	0.0100	0.0088	0.0089	0.0150	0.0126	0.0151	0.0073	0.0101	0.0073	0.0088
2509	0.0079	0.0100	0.0088	0.0089	0.0150	0.0126	0.0150	0.0072	0.0100	0.0073	0.0088
2508	0.0078	0.0099	0.0088	0.0089	0.0150	0.0125	0.0148	0.0071	0.0099	0.0071	0.0088

2507	0.0076	0.0097	0.0088	0.0088	0.0151	0.0124	0.0145	0.0070	0.0098	0.0069	0.0087
2506	0.0076	0.0096	0.0088	0.0088	0.0151	0.0122	0.0144	0.0069	0.0096	0.0067	0.0086
2505	0.0075	0.0096	0.0088	0.0087	0.0150	0.0120	0.0143	0.0069	0.0096	0.0066	0.0085
2504	0.0075	0.0096	0.0086	0.0087	0.0149	0.0121	0.0143	0.0069	0.0096	0.0064	0.0085
2503	0.0075	0.0095	0.0085	0.0087	0.0148	0.0123	0.0144	0.0069	0.0097	0.0064	0.0086
2502	0.0076	0.0096	0.0085	0.0087	0.0148	0.0125	0.0145	0.0069	0.0097	0.0065	0.0086
2501	0.0076	0.0097	0.0085	0.0088	0.0148	0.0126	0.0146	0.0069	0.0098	0.0067	0.0087
2500	0.0076	0.0098	0.0086	0.0088	0.0149	0.0126	0.0146	0.0069	0.0098	0.0068	0.0087
2499	0.0076	0.0099	0.0087	0.0088	0.0149	0.0125	0.0145	0.0069	0.0097	0.0069	0.0087
2498	0.0075	0.0098	0.0087	0.0089	0.0148	0.0123	0.0145	0.0067	0.0097	0.0069	0.0087
2497	0.0074	0.0098	0.0086	0.0089	0.0146	0.0121	0.0145	0.0066	0.0096	0.0068	0.0086
2496	0.0074	0.0098	0.0086	0.0089	0.0145	0.0120	0.0144	0.0066	0.0096	0.0068	0.0086
2495	0.0074	0.0098	0.0085	0.0088	0.0145	0.0120	0.0144	0.0066	0.0096	0.0067	0.0086
2494	0.0075	0.0097	0.0084	0.0088	0.0146	0.0121	0.0144	0.0066	0.0097	0.0067	0.0086
2493	0.0076	0.0096	0.0083	0.0087	0.0147	0.0122	0.0144	0.0066	0.0097	0.0067	0.0086
2492	0.0077	0.0096	0.0083	0.0088	0.0149	0.0123	0.0144	0.0067	0.0097	0.0067	0.0086
2491	0.0078	0.0096	0.0083	0.0089	0.0149	0.0123	0.0144	0.0066	0.0096	0.0066	0.0087
2490	0.0077	0.0098	0.0084	0.0089	0.0150	0.0123	0.0145	0.0065	0.0095	0.0066	0.0088
2489	0.0076	0.0098	0.0084	0.0090	0.0150	0.0123	0.0145	0.0065	0.0095	0.0066	0.0089
2488	0.0075	0.0098	0.0084	0.0090	0.0150	0.0121	0.0145	0.0065	0.0095	0.0065	0.0089
2487	0.0075	0.0096	0.0084	0.0089	0.0150	0.0120	0.0144	0.0065	0.0095	0.0065	0.0088
2486	0.0074	0.0095	0.0084	0.0088	0.0150	0.0119	0.0143	0.0067	0.0095	0.0064	0.0086
2485	0.0074	0.0095	0.0085	0.0086	0.0150	0.0119	0.0142	0.0069	0.0096	0.0065	0.0086
2484	0.0075	0.0096	0.0086	0.0085	0.0149	0.0120	0.0141	0.0070	0.0096	0.0066	0.0086
2483	0.0075	0.0096	0.0086	0.0084	0.0148	0.0120	0.0141	0.0069	0.0094	0.0066	0.0086
2482	0.0076	0.0096	0.0085	0.0084	0.0146	0.0120	0.0141	0.0068	0.0093	0.0067	0.0086
2481	0.0076	0.0094	0.0084	0.0083	0.0145	0.0119	0.0141	0.0067	0.0093	0.0067	0.0086
2480	0.0076	0.0093	0.0083	0.0083	0.0146	0.0118	0.0141	0.0066	0.0093	0.0067	0.0086
2479	0.0075	0.0092	0.0082	0.0083	0.0146	0.0116	0.0141	0.0065	0.0093	0.0066	0.0086
2478	0.0074	0.0091	0.0081	0.0083	0.0146	0.0115	0.0141	0.0064	0.0092	0.0065	0.0085
2477	0.0073	0.0091	0.0081	0.0083	0.0145	0.0115	0.0141	0.0063	0.0092	0.0063	0.0085
2476	0.0073	0.0092	0.0080	0.0084	0.0144	0.0115	0.0141	0.0063	0.0092	0.0063	0.0084
2475	0.0072	0.0094	0.0080	0.0084	0.0144	0.0115	0.0141	0.0062	0.0092	0.0063	0.0084
2474	0.0072	0.0095	0.0079	0.0085	0.0143	0.0115	0.0140	0.0061	0.0091	0.0063	0.0084
2473	0.0071	0.0095	0.0079	0.0085	0.0142	0.0114	0.0139	0.0060	0.0090	0.0063	0.0084
2472	0.0072	0.0095	0.0079	0.0085	0.0142	0.0115	0.0138	0.0061	0.0089	0.0063	0.0084
2471	0.0073	0.0094	0.0080	0.0085	0.0143	0.0115	0.0138	0.0062	0.0089	0.0064	0.0084
2470	0.0074	0.0094	0.0081	0.0085	0.0144	0.0115	0.0138	0.0064	0.0089	0.0065	0.0083
2469	0.0075	0.0094	0.0081	0.0085	0.0145	0.0115	0.0138	0.0065	0.0088	0.0067	0.0081
2468	0.0075	0.0094	0.0081	0.0085	0.0145	0.0116	0.0139	0.0065	0.0088	0.0069	0.0081
2467	0.0075	0.0094	0.0081	0.0085	0.0144	0.0117	0.0140	0.0066	0.0089	0.0070	0.0081
2466	0.0075	0.0094	0.0081	0.0085	0.0144	0.0119	0.0142	0.0066	0.0090	0.0070	0.0082
2465	0.0075	0.0094	0.0083	0.0086	0.0144	0.0121	0.0142	0.0067	0.0091	0.0069	0.0083
2464	0.0076	0.0093	0.0084	0.0086	0.0144	0.0122	0.0143	0.0067	0.0092	0.0068	0.0084

2463	0.0076	0.0093	0.0085	0.0086	0.0145	0.0122	0.0142	0.0068	0.0092	0.0067	0.0085
2462	0.0077	0.0093	0.0085	0.0087	0.0145	0.0122	0.0142	0.0069	0.0093	0.0068	0.0085
2461	0.0077	0.0094	0.0083	0.0087	0.0145	0.0121	0.0142	0.0070	0.0093	0.0068	0.0084
2460	0.0077	0.0095	0.0081	0.0088	0.0145	0.0121	0.0143	0.0071	0.0093	0.0068	0.0084
2459	0.0077	0.0095	0.0081	0.0088	0.0146	0.0122	0.0144	0.0071	0.0094	0.0069	0.0085
2458	0.0076	0.0095	0.0082	0.0088	0.0146	0.0123	0.0145	0.0071	0.0094	0.0069	0.0086
2457	0.0076	0.0095	0.0084	0.0088	0.0145	0.0122	0.0144	0.0071	0.0094	0.0069	0.0087
2456	0.0075	0.0094	0.0085	0.0087	0.0144	0.0121	0.0143	0.0070	0.0094	0.0069	0.0088
2455	0.0074	0.0093	0.0086	0.0086	0.0142	0.0119	0.0141	0.0068	0.0093	0.0069	0.0087
2454	0.0074	0.0092	0.0085	0.0084	0.0141	0.0118	0.0140	0.0068	0.0091	0.0068	0.0086
2453	0.0074	0.0091	0.0085	0.0084	0.0140	0.0118	0.0139	0.0068	0.0090	0.0067	0.0085
2452	0.0074	0.0091	0.0084	0.0084	0.0141	0.0118	0.0138	0.0068	0.0089	0.0066	0.0085
2451	0.0074	0.0091	0.0084	0.0084	0.0142	0.0119	0.0137	0.0068	0.0089	0.0064	0.0085
2450	0.0074	0.0090	0.0083	0.0083	0.0143	0.0119	0.0137	0.0067	0.0090	0.0063	0.0085
2449	0.0074	0.0090	0.0082	0.0082	0.0143	0.0117	0.0137	0.0066	0.0090	0.0062	0.0084
2448	0.0074	0.0090	0.0081	0.0081	0.0143	0.0115	0.0138	0.0065	0.0091	0.0061	0.0084
2447	0.0074	0.0091	0.0081	0.0081	0.0142	0.0114	0.0139	0.0065	0.0091	0.0060	0.0084
2446	0.0075	0.0092	0.0081	0.0082	0.0141	0.0114	0.0140	0.0067	0.0091	0.0061	0.0084
2445	0.0075	0.0093	0.0082	0.0083	0.0141	0.0115	0.0140	0.0068	0.0092	0.0062	0.0085
2444	0.0075	0.0093	0.0083	0.0083	0.0141	0.0117	0.0141	0.0068	0.0092	0.0065	0.0084
2443	0.0075	0.0094	0.0083	0.0082	0.0141	0.0117	0.0141	0.0067	0.0091	0.0067	0.0083
2442	0.0073	0.0094	0.0082	0.0080	0.0141	0.0116	0.0140	0.0065	0.0089	0.0067	0.0082
2441	0.0072	0.0094	0.0081	0.0078	0.0140	0.0114	0.0138	0.0063	0.0087	0.0066	0.0081
2440	0.0071	0.0094	0.0079	0.0077	0.0138	0.0112	0.0136	0.0062	0.0086	0.0063	0.0079
2439	0.0071	0.0093	0.0079	0.0076	0.0137	0.0111	0.0135	0.0061	0.0086	0.0062	0.0079
2438	0.0071	0.0093	0.0080	0.0077	0.0138	0.0111	0.0135	0.0062	0.0088	0.0062	0.0080
2437	0.0072	0.0092	0.0081	0.0079	0.0138	0.0113	0.0136	0.0064	0.0090	0.0064	0.0082
2436	0.0073	0.0092	0.0082	0.0081	0.0139	0.0115	0.0137	0.0065	0.0092	0.0066	0.0083
2435	0.0073	0.0091	0.0082	0.0082	0.0140	0.0115	0.0137	0.0066	0.0092	0.0066	0.0082
2434	0.0072	0.0091	0.0081	0.0082	0.0139	0.0113	0.0136	0.0066	0.0091	0.0065	0.0080
2433	0.0071	0.0091	0.0079	0.0081	0.0139	0.0112	0.0134	0.0066	0.0090	0.0063	0.0078
2432	0.0070	0.0091	0.0077	0.0079	0.0138	0.0111	0.0132	0.0066	0.0089	0.0062	0.0077
2431	0.0069	0.0090	0.0076	0.0078	0.0137	0.0111	0.0131	0.0065	0.0088	0.0062	0.0078
2430	0.0069	0.0089	0.0075	0.0077	0.0136	0.0110	0.0131	0.0063	0.0088	0.0062	0.0080
2429	0.0069	0.0089	0.0075	0.0077	0.0135	0.0110	0.0132	0.0062	0.0088	0.0061	0.0081
2428	0.0070	0.0088	0.0077	0.0077	0.0135	0.0110	0.0133	0.0061	0.0087	0.0060	0.0081
2427	0.0071	0.0088	0.0078	0.0077	0.0136	0.0111	0.0134	0.0060	0.0087	0.0059	0.0080
2426	0.0072	0.0088	0.0080	0.0078	0.0137	0.0113	0.0136	0.0059	0.0086	0.0059	0.0079
2425	0.0072	0.0088	0.0080	0.0078	0.0137	0.0113	0.0136	0.0059	0.0086	0.0059	0.0078
2424	0.0071	0.0088	0.0079	0.0078	0.0136	0.0112	0.0135	0.0060	0.0084	0.0059	0.0077
2423	0.0070	0.0088	0.0077	0.0078	0.0136	0.0111	0.0134	0.0061	0.0084	0.0059	0.0077
2422	0.0070	0.0089	0.0076	0.0078	0.0135	0.0110	0.0134	0.0062	0.0084	0.0059	0.0077
2421	0.0069	0.0089	0.0077	0.0078	0.0135	0.0109	0.0134	0.0064	0.0086	0.0060	0.0077
2420	0.0069	0.0089	0.0077	0.0078	0.0135	0.0109	0.0135	0.0065	0.0087	0.0061	0.0078

2419	0.0069	0.0089	0.0077	0.0077	0.0135	0.0109	0.0135	0.0064	0.0087	0.0061	0.0078
2418	0.0069	0.0089	0.0076	0.0078	0.0136	0.0110	0.0135	0.0064	0.0086	0.0061	0.0079
2417	0.0070	0.0089	0.0075	0.0079	0.0137	0.0111	0.0135	0.0064	0.0086	0.0061	0.0080
2416	0.0071	0.0089	0.0075	0.0080	0.0138	0.0111	0.0135	0.0064	0.0087	0.0062	0.0081
2415	0.0071	0.0087	0.0074	0.0079	0.0139	0.0111	0.0134	0.0063	0.0087	0.0062	0.0081
2414	0.0070	0.0085	0.0074	0.0077	0.0138	0.0109	0.0133	0.0061	0.0086	0.0061	0.0080
2413	0.0069	0.0083	0.0074	0.0075	0.0135	0.0107	0.0132	0.0059	0.0086	0.0060	0.0079
2412	0.0069	0.0083	0.0074	0.0075	0.0133	0.0106	0.0131	0.0058	0.0086	0.0061	0.0078
2411	0.0068	0.0083	0.0074	0.0075	0.0132	0.0107	0.0131	0.0058	0.0087	0.0062	0.0078
2410	0.0068	0.0084	0.0074	0.0075	0.0131	0.0108	0.0131	0.0059	0.0087	0.0062	0.0078
2409	0.0068	0.0085	0.0074	0.0076	0.0131	0.0108	0.0130	0.0059	0.0087	0.0062	0.0078
2408	0.0068	0.0085	0.0074	0.0076	0.0130	0.0107	0.0129	0.0058	0.0087	0.0061	0.0078
2407	0.0067	0.0084	0.0074	0.0076	0.0130	0.0106	0.0129	0.0058	0.0086	0.0059	0.0078
2406	0.0067	0.0083	0.0073	0.0076	0.0130	0.0106	0.0128	0.0058	0.0085	0.0057	0.0077
2405	0.0067	0.0081	0.0072	0.0075	0.0130	0.0105	0.0127	0.0058	0.0083	0.0056	0.0076
2404	0.0066	0.0081	0.0071	0.0073	0.0130	0.0105	0.0126	0.0058	0.0082	0.0054	0.0075
2403	0.0066	0.0081	0.0071	0.0072	0.0129	0.0104	0.0125	0.0057	0.0083	0.0053	0.0075
2402	0.0066	0.0081	0.0071	0.0073	0.0128	0.0104	0.0125	0.0057	0.0083	0.0053	0.0074
2401	0.0066	0.0081	0.0072	0.0073	0.0127	0.0103	0.0126	0.0056	0.0084	0.0053	0.0074
2400	0.0066	0.0082	0.0072	0.0074	0.0127	0.0104	0.0126	0.0056	0.0084	0.0053	0.0074
2399	0.0066	0.0082	0.0072	0.0074	0.0127	0.0105	0.0126	0.0056	0.0084	0.0053	0.0074
2398	0.0066	0.0082	0.0072	0.0075	0.0127	0.0105	0.0126	0.0055	0.0084	0.0054	0.0074
2397	0.0066	0.0082	0.0072	0.0075	0.0128	0.0106	0.0127	0.0055	0.0085	0.0054	0.0074
2396	0.0066	0.0082	0.0072	0.0075	0.0129	0.0106	0.0127	0.0055	0.0084	0.0054	0.0073
2395	0.0065	0.0082	0.0072	0.0074	0.0130	0.0105	0.0126	0.0055	0.0084	0.0054	0.0072
2394	0.0065	0.0081	0.0072	0.0073	0.0130	0.0105	0.0126	0.0055	0.0082	0.0053	0.0072
2393	0.0064	0.0080	0.0072	0.0072	0.0130	0.0104	0.0125	0.0055	0.0080	0.0052	0.0071
2392	0.0064	0.0080	0.0071	0.0072	0.0129	0.0103	0.0125	0.0054	0.0079	0.0052	0.0071
2391	0.0064	0.0081	0.0071	0.0072	0.0128	0.0103	0.0124	0.0054	0.0078	0.0051	0.0071
2390	0.0064	0.0081	0.0070	0.0073	0.0127	0.0103	0.0124	0.0055	0.0079	0.0052	0.0071
2389	0.0065	0.0082	0.0070	0.0073	0.0127	0.0104	0.0124	0.0056	0.0080	0.0052	0.0072
2388	0.0065	0.0082	0.0070	0.0072	0.0127	0.0105	0.0124	0.0056	0.0081	0.0053	0.0073
2387	0.0066	0.0083	0.0071	0.0072	0.0127	0.0105	0.0124	0.0056	0.0081	0.0053	0.0073
2386	0.0066	0.0083	0.0072	0.0072	0.0127	0.0105	0.0123	0.0055	0.0082	0.0053	0.0073
2385	0.0066	0.0083	0.0073	0.0073	0.0127	0.0104	0.0123	0.0055	0.0081	0.0054	0.0073
2384	0.0066	0.0083	0.0073	0.0075	0.0127	0.0104	0.0123	0.0055	0.0080	0.0055	0.0073
2383	0.0066	0.0082	0.0074	0.0076	0.0127	0.0103	0.0123	0.0055	0.0080	0.0055	0.0072
2382	0.0066	0.0082	0.0074	0.0077	0.0126	0.0103	0.0123	0.0055	0.0080	0.0055	0.0072
2381	0.0066	0.0082	0.0073	0.0077	0.0125	0.0103	0.0123	0.0055	0.0080	0.0054	0.0071
2380	0.0065	0.0081	0.0072	0.0076	0.0125	0.0103	0.0123	0.0054	0.0080	0.0053	0.0069
2379	0.0065	0.0081	0.0071	0.0074	0.0126	0.0102	0.0123	0.0053	0.0079	0.0051	0.0067
2378	0.0064	0.0080	0.0070	0.0072	0.0125	0.0102	0.0122	0.0052	0.0079	0.0050	0.0065
2377	0.0064	0.0079	0.0068	0.0069	0.0123	0.0101	0.0121	0.0051	0.0078	0.0049	0.0063
2376	0.0063	0.0078	0.0067	0.0067	0.0121	0.0101	0.0119	0.0050	0.0077	0.0047	0.0062

2375	0.0061	0.0077	0.0065	0.0065	0.0119	0.0101	0.0117	0.0050	0.0076	0.0046	0.0063
2374	0.0061	0.0075	0.0065	0.0064	0.0118	0.0102	0.0116	0.0050	0.0076	0.0046	0.0065
2373	0.0061	0.0075	0.0066	0.0064	0.0118	0.0102	0.0116	0.0051	0.0076	0.0048	0.0067
2372	0.0062	0.0076	0.0068	0.0064	0.0118	0.0102	0.0117	0.0053	0.0077	0.0051	0.0069
2371	0.0064	0.0079	0.0069	0.0065	0.0118	0.0102	0.0119	0.0053	0.0078	0.0053	0.0070
2370	0.0067	0.0081	0.0071	0.0068	0.0119	0.0103	0.0121	0.0053	0.0079	0.0055	0.0071
2369	0.0070	0.0083	0.0072	0.0072	0.0122	0.0105	0.0125	0.0053	0.0081	0.0055	0.0072
2368	0.0072	0.0082	0.0074	0.0077	0.0127	0.0107	0.0129	0.0054	0.0082	0.0055	0.0070
2367	0.0072	0.0081	0.0075	0.0080	0.0131	0.0107	0.0129	0.0055	0.0082	0.0055	0.0069
2366	0.0071	0.0079	0.0076	0.0082	0.0133	0.0106	0.0126	0.0055	0.0081	0.0055	0.0068
2365	0.0069	0.0080	0.0074	0.0082	0.0133	0.0105	0.0123	0.0054	0.0080	0.0054	0.0068
2364	0.0068	0.0082	0.0071	0.0081	0.0130	0.0104	0.0121	0.0054	0.0080	0.0053	0.0070
2363	0.0069	0.0084	0.0069	0.0079	0.0126	0.0104	0.0122	0.0055	0.0081	0.0052	0.0071
2362	0.0069	0.0084	0.0067	0.0076	0.0122	0.0104	0.0122	0.0055	0.0080	0.0052	0.0072
2361	0.0070	0.0083	0.0069	0.0074	0.0121	0.0105	0.0121	0.0054	0.0079	0.0052	0.0072
2360	0.0070	0.0082	0.0071	0.0073	0.0122	0.0104	0.0119	0.0053	0.0077	0.0053	0.0071
2359	0.0069	0.0082	0.0073	0.0072	0.0122	0.0103	0.0116	0.0051	0.0076	0.0052	0.0070
2358	0.0068	0.0082	0.0074	0.0071	0.0121	0.0102	0.0114	0.0051	0.0076	0.0050	0.0067
2357	0.0067	0.0082	0.0075	0.0072	0.0120	0.0103	0.0114	0.0052	0.0075	0.0049	0.0065
2356	0.0067	0.0083	0.0077	0.0073	0.0121	0.0106	0.0116	0.0054	0.0075	0.0050	0.0065
2355	0.0068	0.0083	0.0077	0.0075	0.0123	0.0108	0.0120	0.0056	0.0077	0.0051	0.0067
2354	0.0070	0.0083	0.0077	0.0076	0.0124	0.0108	0.0123	0.0057	0.0080	0.0052	0.0070
2353	0.0071	0.0083	0.0076	0.0076	0.0126	0.0107	0.0124	0.0057	0.0082	0.0053	0.0071
2352	0.0071	0.0083	0.0075	0.0076	0.0126	0.0106	0.0125	0.0057	0.0082	0.0053	0.0072
2351	0.0071	0.0083	0.0074	0.0076	0.0127	0.0105	0.0124	0.0057	0.0082	0.0053	0.0072
2350	0.0072	0.0084	0.0075	0.0076	0.0127	0.0106	0.0123	0.0057	0.0081	0.0053	0.0072
2349	0.0072	0.0084	0.0075	0.0077	0.0128	0.0107	0.0123	0.0057	0.0081	0.0053	0.0071
2348	0.0072	0.0084	0.0076	0.0077	0.0128	0.0107	0.0123	0.0057	0.0081	0.0054	0.0071
2347	0.0073	0.0084	0.0076	0.0078	0.0129	0.0107	0.0124	0.0058	0.0081	0.0054	0.0072
2346	0.0073	0.0085	0.0076	0.0078	0.0130	0.0107	0.0125	0.0058	0.0082	0.0054	0.0073
2345	0.0074	0.0086	0.0076	0.0078	0.0131	0.0107	0.0125	0.0060	0.0082	0.0054	0.0073
2344	0.0075	0.0086	0.0075	0.0077	0.0131	0.0107	0.0126	0.0061	0.0082	0.0055	0.0073
2343	0.0074	0.0086	0.0074	0.0077	0.0130	0.0107	0.0126	0.0062	0.0082	0.0055	0.0072
2342	0.0073	0.0085	0.0074	0.0077	0.0129	0.0108	0.0126	0.0061	0.0082	0.0056	0.0072
2341	0.0072	0.0085	0.0075	0.0078	0.0127	0.0109	0.0126	0.0060	0.0083	0.0056	0.0072
2340	0.0073	0.0086	0.0077	0.0079	0.0127	0.0110	0.0127	0.0060	0.0083	0.0055	0.0073
2339	0.0074	0.0087	0.0079	0.0081	0.0129	0.0111	0.0128	0.0060	0.0084	0.0055	0.0075
2338	0.0074	0.0088	0.0081	0.0082	0.0131	0.0111	0.0129	0.0061	0.0084	0.0055	0.0076
2337	0.0075	0.0089	0.0081	0.0081	0.0132	0.0110	0.0128	0.0062	0.0084	0.0055	0.0076
2336	0.0074	0.0089	0.0079	0.0079	0.0133	0.0109	0.0127	0.0063	0.0083	0.0054	0.0076
2335	0.0075	0.0088	0.0078	0.0078	0.0133	0.0109	0.0125	0.0062	0.0082	0.0053	0.0075
2334	0.0076	0.0087	0.0077	0.0077	0.0132	0.0109	0.0125	0.0061	0.0080	0.0052	0.0075
2333	0.0077	0.0087	0.0077	0.0077	0.0131	0.0108	0.0125	0.0060	0.0080	0.0052	0.0074
2332	0.0076	0.0086	0.0077	0.0076	0.0129	0.0108	0.0125	0.0060	0.0081	0.0051	0.0072

2331	0.0075	0.0086	0.0076	0.0075	0.0128	0.0108	0.0126	0.0060	0.0082	0.0051	0.0071
2330	0.0074	0.0086	0.0078	0.0074	0.0128	0.0109	0.0128	0.0061	0.0084	0.0052	0.0072
2329	0.0075	0.0088	0.0080	0.0076	0.0129	0.0110	0.0130	0.0063	0.0086	0.0054	0.0073
2328	0.0077	0.0089	0.0084	0.0079	0.0131	0.0112	0.0132	0.0065	0.0088	0.0056	0.0076
2327	0.0079	0.0092	0.0087	0.0083	0.0134	0.0116	0.0134	0.0069	0.0091	0.0058	0.0078
2326	0.0082	0.0094	0.0089	0.0087	0.0137	0.0120	0.0136	0.0071	0.0093	0.0061	0.0080
2325	0.0084	0.0098	0.0092	0.0090	0.0140	0.0124	0.0139	0.0073	0.0094	0.0063	0.0083
2324	0.0085	0.0101	0.0093	0.0092	0.0143	0.0128	0.0142	0.0074	0.0094	0.0065	0.0085
2323	0.0085	0.0103	0.0094	0.0091	0.0144	0.0129	0.0144	0.0073	0.0094	0.0065	0.0086
2322	0.0083	0.0102	0.0092	0.0089	0.0143	0.0127	0.0144	0.0072	0.0094	0.0065	0.0085
2321	0.0081	0.0100	0.0089	0.0085	0.0142	0.0124	0.0142	0.0071	0.0094	0.0064	0.0084
2320	0.0080	0.0098	0.0086	0.0083	0.0140	0.0122	0.0141	0.0072	0.0095	0.0063	0.0084
2319	0.0080	0.0095	0.0084	0.0083	0.0138	0.0121	0.0140	0.0072	0.0095	0.0062	0.0084
2318	0.0080	0.0093	0.0084	0.0084	0.0137	0.0120	0.0140	0.0072	0.0094	0.0062	0.0085
2317	0.0079	0.0092	0.0083	0.0085	0.0136	0.0118	0.0139	0.0070	0.0093	0.0061	0.0085
2316	0.0078	0.0091	0.0082	0.0085	0.0136	0.0115	0.0138	0.0068	0.0091	0.0060	0.0083
2315	0.0076	0.0090	0.0081	0.0084	0.0136	0.0113	0.0136	0.0066	0.0090	0.0060	0.0081
2314	0.0075	0.0089	0.0081	0.0083	0.0136	0.0111	0.0135	0.0065	0.0088	0.0061	0.0079
2313	0.0074	0.0088	0.0081	0.0083	0.0135	0.0109	0.0134	0.0063	0.0087	0.0061	0.0079
2312	0.0074	0.0088	0.0081	0.0083	0.0134	0.0108	0.0133	0.0062	0.0085	0.0062	0.0079
2311	0.0074	0.0087	0.0081	0.0083	0.0133	0.0109	0.0134	0.0061	0.0085	0.0063	0.0080
2310	0.0075	0.0088	0.0082	0.0083	0.0133	0.0112	0.0136	0.0061	0.0087	0.0065	0.0081
2309	0.0076	0.0090	0.0083	0.0084	0.0134	0.0114	0.0138	0.0062	0.0088	0.0067	0.0082
2308	0.0077	0.0092	0.0085	0.0084	0.0136	0.0116	0.0140	0.0064	0.0090	0.0067	0.0082
2307	0.0078	0.0093	0.0086	0.0084	0.0136	0.0117	0.0141	0.0066	0.0090	0.0066	0.0081
2306	0.0078	0.0094	0.0086	0.0085	0.0136	0.0116	0.0141	0.0067	0.0089	0.0064	0.0080
2305	0.0078	0.0094	0.0085	0.0085	0.0135	0.0116	0.0140	0.0066	0.0088	0.0062	0.0079
2304	0.0077	0.0092	0.0083	0.0085	0.0134	0.0115	0.0138	0.0065	0.0088	0.0061	0.0079
2303	0.0076	0.0089	0.0081	0.0084	0.0133	0.0114	0.0137	0.0064	0.0087	0.0061	0.0078
2302	0.0074	0.0087	0.0079	0.0083	0.0133	0.0112	0.0135	0.0063	0.0086	0.0060	0.0079
2301	0.0074	0.0087	0.0079	0.0082	0.0133	0.0112	0.0134	0.0063	0.0087	0.0059	0.0079
2300	0.0075	0.0089	0.0081	0.0083	0.0134	0.0113	0.0134	0.0064	0.0088	0.0059	0.0079
2299	0.0075	0.0090	0.0083	0.0085	0.0135	0.0114	0.0134	0.0063	0.0090	0.0060	0.0080
2298	0.0076	0.0089	0.0085	0.0086	0.0134	0.0115	0.0133	0.0062	0.0090	0.0061	0.0079
2297	0.0075	0.0088	0.0085	0.0087	0.0132	0.0115	0.0133	0.0062	0.0089	0.0063	0.0078
2296	0.0074	0.0087	0.0084	0.0087	0.0130	0.0115	0.0133	0.0063	0.0087	0.0063	0.0078
2295	0.0073	0.0088	0.0083	0.0087	0.0129	0.0115	0.0134	0.0065	0.0086	0.0064	0.0080
2294	0.0073	0.0089	0.0084	0.0087	0.0130	0.0115	0.0135	0.0067	0.0086	0.0065	0.0083
2293	0.0074	0.0091	0.0085	0.0087	0.0132	0.0115	0.0135	0.0069	0.0086	0.0066	0.0087
2292	0.0076	0.0092	0.0086	0.0086	0.0134	0.0115	0.0136	0.0069	0.0087	0.0065	0.0088
2291	0.0078	0.0094	0.0085	0.0085	0.0137	0.0116	0.0138	0.0068	0.0088	0.0064	0.0088
2290	0.0079	0.0096	0.0084	0.0084	0.0138	0.0118	0.0138	0.0068	0.0090	0.0063	0.0086
2289	0.0080	0.0097	0.0083	0.0084	0.0139	0.0120	0.0137	0.0070	0.0091	0.0063	0.0084
2288	0.0080	0.0096	0.0083	0.0085	0.0140	0.0121	0.0134	0.0071	0.0091	0.0064	0.0083

2287	0.0079	0.0095	0.0084	0.0085	0.0140	0.0119	0.0132	0.0071	0.0089	0.0066	0.0083
2286	0.0076	0.0094	0.0084	0.0084	0.0138	0.0116	0.0130	0.0069	0.0087	0.0067	0.0083
2285	0.0074	0.0093	0.0085	0.0083	0.0137	0.0111	0.0129	0.0065	0.0086	0.0066	0.0081
2284	0.0073	0.0092	0.0086	0.0082	0.0136	0.0108	0.0129	0.0061	0.0085	0.0063	0.0077
2283	0.0071	0.0089	0.0085	0.0080	0.0134	0.0106	0.0129	0.0059	0.0085	0.0061	0.0075
2282	0.0070	0.0086	0.0082	0.0077	0.0132	0.0105	0.0127	0.0058	0.0085	0.0058	0.0074
2281	0.0069	0.0083	0.0080	0.0073	0.0131	0.0104	0.0126	0.0058	0.0084	0.0057	0.0075
2280	0.0068	0.0083	0.0078	0.0072	0.0132	0.0103	0.0125	0.0058	0.0083	0.0056	0.0078
2279	0.0068	0.0084	0.0079	0.0074	0.0134	0.0104	0.0126	0.0058	0.0082	0.0055	0.0080
2278	0.0069	0.0085	0.0078	0.0078	0.0136	0.0106	0.0126	0.0058	0.0081	0.0054	0.0081
2277	0.0069	0.0085	0.0075	0.0081	0.0136	0.0107	0.0125	0.0056	0.0081	0.0052	0.0081
2276	0.0069	0.0084	0.0072	0.0082	0.0135	0.0105	0.0125	0.0054	0.0081	0.0050	0.0080
2275	0.0068	0.0083	0.0070	0.0079	0.0133	0.0102	0.0125	0.0053	0.0082	0.0049	0.0080
2274	0.0067	0.0081	0.0071	0.0076	0.0132	0.0100	0.0126	0.0054	0.0082	0.0050	0.0079
2273	0.0069	0.0081	0.0074	0.0075	0.0132	0.0100	0.0128	0.0056	0.0083	0.0053	0.0078
2272	0.0073	0.0082	0.0078	0.0077	0.0132	0.0103	0.0129	0.0059	0.0084	0.0056	0.0078
2271	0.0077	0.0084	0.0081	0.0079	0.0133	0.0106	0.0130	0.0061	0.0086	0.0059	0.0082
2270	0.0081	0.0088	0.0085	0.0081	0.0134	0.0109	0.0131	0.0065	0.0088	0.0060	0.0086
2269	0.0082	0.0091	0.0086	0.0081	0.0133	0.0108	0.0131	0.0069	0.0091	0.0059	0.0089
2268	0.0079	0.0090	0.0085	0.0078	0.0129	0.0106	0.0129	0.0070	0.0092	0.0056	0.0088
2267	0.0074	0.0086	0.0081	0.0074	0.0122	0.0103	0.0125	0.0067	0.0088	0.0053	0.0082
2266	0.0069	0.0081	0.0077	0.0071	0.0116	0.0100	0.0121	0.0063	0.0083	0.0050	0.0075
2265	0.0066	0.0078	0.0075	0.0070	0.0115	0.0096	0.0119	0.0060	0.0077	0.0047	0.0069
2264	0.0065	0.0077	0.0075	0.0072	0.0118	0.0094	0.0118	0.0061	0.0075	0.0047	0.0067
2263	0.0068	0.0078	0.0077	0.0075	0.0124	0.0095	0.0120	0.0065	0.0075	0.0049	0.0070
2262	0.0072	0.0079	0.0081	0.0078	0.0130	0.0097	0.0122	0.0067	0.0076	0.0055	0.0075
2261	0.0077	0.0079	0.0084	0.0079	0.0135	0.0099	0.0123	0.0068	0.0078	0.0062	0.0081
2260	0.0079	0.0079	0.0086	0.0078	0.0138	0.0101	0.0123	0.0065	0.0082	0.0065	0.0085
2259	0.0079	0.0079	0.0087	0.0075	0.0139	0.0102	0.0121	0.0062	0.0085	0.0064	0.0085
2258	0.0074	0.0079	0.0084	0.0071	0.0134	0.0102	0.0117	0.0059	0.0085	0.0059	0.0083
2257	0.0069	0.0078	0.0079	0.0066	0.0125	0.0102	0.0112	0.0060	0.0083	0.0051	0.0079
2256	0.0065	0.0078	0.0071	0.0058	0.0116	0.0101	0.0106	0.0064	0.0081	0.0045	0.0075
2255	0.0062	0.0078	0.0062	0.0050	0.0112	0.0104	0.0100	0.0069	0.0082	0.0041	0.0072
2254	0.0059	0.0079	0.0055	0.0048	0.0112	0.0112	0.0095	0.0069	0.0085	0.0038	0.0069
2253	0.0055	0.0078	0.0054	0.0052	0.0113	0.0119	0.0093	0.0062	0.0086	0.0033	0.0066
2252	0.0051	0.0074	0.0059	0.0061	0.0109	0.0118	0.0096	0.0051	0.0083	0.0026	0.0066
2251	0.0051	0.0069	0.0066	0.0071	0.0101	0.0109	0.0102	0.0041	0.0080	0.0021	0.0070
2250	0.0054	0.0064	0.0071	0.0077	0.0098	0.0099	0.0109	0.0037	0.0080	0.0023	0.0077
2249	0.0059	0.0063	0.0073	0.0081	0.0104	0.0095	0.0115	0.0039	0.0081	0.0030	0.0082
2248	0.0063	0.0062	0.0073	0.0082	0.0113	0.0093	0.0119	0.0043	0.0081	0.0038	0.0084
2247	0.0065	0.0062	0.0074	0.0079	0.0121	0.0090	0.0118	0.0046	0.0076	0.0041	0.0081
2246	0.0065	0.0064	0.0076	0.0075	0.0123	0.0085	0.0115	0.0047	0.0072	0.0042	0.0078
2245	0.0067	0.0068	0.0078	0.0072	0.0123	0.0083	0.0111	0.0048	0.0070	0.0044	0.0074
2244	0.0069	0.0072	0.0077	0.0070	0.0121	0.0085	0.0109	0.0049	0.0071	0.0048	0.0071

2243	0.0071	0.0074	0.0075	0.0069	0.0119	0.0088	0.0108	0.0050	0.0074	0.0054	0.0069
2242	0.0071	0.0074	0.0072	0.0068	0.0118	0.0091	0.0107	0.0053	0.0076	0.0060	0.0070
2241	0.0071	0.0076	0.0071	0.0068	0.0119	0.0094	0.0106	0.0058	0.0079	0.0065	0.0074
2240	0.0071	0.0080	0.0073	0.0072	0.0120	0.0100	0.0109	0.0064	0.0082	0.0067	0.0081
2239	0.0072	0.0083	0.0073	0.0077	0.0119	0.0105	0.0113	0.0067	0.0084	0.0068	0.0087
2238	0.0072	0.0085	0.0070	0.0080	0.0118	0.0107	0.0118	0.0066	0.0085	0.0068	0.0091
2237	0.0072	0.0084	0.0065	0.0080	0.0119	0.0104	0.0122	0.0062	0.0084	0.0067	0.0091
2236	0.0071	0.0083	0.0063	0.0076	0.0121	0.0100	0.0122	0.0056	0.0082	0.0063	0.0088
2235	0.0068	0.0080	0.0065	0.0069	0.0119	0.0095	0.0119	0.0047	0.0076	0.0054	0.0084
2234	0.0063	0.0076	0.0069	0.0062	0.0116	0.0092	0.0113	0.0039	0.0068	0.0044	0.0078
2233	0.0057	0.0073	0.0071	0.0057	0.0115	0.0093	0.0106	0.0038	0.0059	0.0036	0.0071
2232	0.0054	0.0072	0.0069	0.0058	0.0120	0.0096	0.0100	0.0044	0.0056	0.0034	0.0065
2231	0.0055	0.0071	0.0067	0.0063	0.0127	0.0098	0.0097	0.0052	0.0060	0.0035	0.0061
2230	0.0057	0.0070	0.0065	0.0068	0.0131	0.0097	0.0096	0.0056	0.0068	0.0038	0.0062
2229	0.0059	0.0072	0.0065	0.0071	0.0127	0.0095	0.0099	0.0056	0.0076	0.0042	0.0064
2228	0.0059	0.0078	0.0066	0.0070	0.0116	0.0093	0.0103	0.0053	0.0077	0.0047	0.0066
2227	0.0055	0.0087	0.0065	0.0067	0.0105	0.0090	0.0106	0.0050	0.0071	0.0049	0.0066
2226	0.0049	0.0095	0.0062	0.0063	0.0101	0.0087	0.0108	0.0049	0.0061	0.0050	0.0067
2225	0.0044	0.0099	0.0058	0.0060	0.0105	0.0087	0.0109	0.0050	0.0053	0.0051	0.0069
2224	0.0044	0.0100	0.0057	0.0060	0.0111	0.0092	0.0112	0.0053	0.0050	0.0053	0.0071
2223	0.0051	0.0096	0.0062	0.0063	0.0111	0.0098	0.0115	0.0053	0.0053	0.0054	0.0071
2222	0.0063	0.0090	0.0069	0.0066	0.0107	0.0097	0.0115	0.0050	0.0055	0.0051	0.0069
2221	0.0072	0.0082	0.0073	0.0066	0.0105	0.0088	0.0114	0.0046	0.0053	0.0046	0.0069
2220	0.0074	0.0077	0.0072	0.0065	0.0111	0.0076	0.0114	0.0045	0.0050	0.0046	0.0071
2219	0.0070	0.0075	0.0064	0.0065	0.0121	0.0071	0.0118	0.0047	0.0049	0.0050	0.0075
2218	0.0062	0.0076	0.0054	0.0067	0.0128	0.0075	0.0123	0.0049	0.0052	0.0055	0.0076
2217	0.0054	0.0078	0.0043	0.0067	0.0128	0.0086	0.0126	0.0045	0.0055	0.0054	0.0072
2216	0.0051	0.0080	0.0036	0.0065	0.0121	0.0095	0.0125	0.0039	0.0057	0.0045	0.0066
2215	0.0052	0.0081	0.0035	0.0062	0.0111	0.0097	0.0126	0.0037	0.0057	0.0035	0.0061
2214	0.0057	0.0079	0.0039	0.0059	0.0104	0.0093	0.0130	0.0038	0.0057	0.0027	0.0059
2213	0.0059	0.0074	0.0041	0.0055	0.0100	0.0082	0.0131	0.0037	0.0056	0.0024	0.0060
2212	0.0054	0.0067	0.0040	0.0047	0.0098	0.0069	0.0121	0.0031	0.0049	0.0021	0.0060
2211	0.0046	0.0062	0.0036	0.0038	0.0096	0.0059	0.0103	0.0022	0.0041	0.0016	0.0060
2210	0.0041	0.0062	0.0038	0.0036	0.0103	0.0058	0.0090	0.0022	0.0040	0.0015	0.0062
2209	0.0046	0.0069	0.0049	0.0045	0.0122	0.0071	0.0094	0.0038	0.0057	0.0026	0.0070
2208	0.0059	0.0080	0.0065	0.0059	0.0147	0.0093	0.0112	0.0065	0.0085	0.0047	0.0083
2207	0.0074	0.0089	0.0079	0.0068	0.0161	0.0118	0.0131	0.0087	0.0110	0.0070	0.0095
2206	0.0082	0.0093	0.0089	0.0068	0.0159	0.0137	0.0143	0.0094	0.0119	0.0083	0.0099
2205	0.0080	0.0088	0.0090	0.0061	0.0148	0.0143	0.0147	0.0085	0.0107	0.0083	0.0092
2204	0.0070	0.0077	0.0084	0.0055	0.0135	0.0132	0.0147	0.0068	0.0085	0.0072	0.0077
2203	0.0060	0.0064	0.0076	0.0055	0.0125	0.0112	0.0145	0.0051	0.0068	0.0058	0.0061
2202	0.0056	0.0058	0.0068	0.0061	0.0120	0.0094	0.0140	0.0041	0.0065	0.0048	0.0052
2201	0.0057	0.0061	0.0063	0.0071	0.0121	0.0086	0.0131	0.0041	0.0075	0.0043	0.0052
2200	0.0061	0.0068	0.0062	0.0077	0.0128	0.0089	0.0122	0.0050	0.0089	0.0041	0.0059

2199	0.0062	0.0075	0.0066	0.0077	0.0136	0.0099	0.0118	0.0062	0.0099	0.0038	0.0071
2198	0.0063	0.0079	0.0076	0.0075	0.0141	0.0111	0.0122	0.0075	0.0101	0.0038	0.0083
2197	0.0064	0.0084	0.0086	0.0076	0.0144	0.0118	0.0129	0.0084	0.0093	0.0039	0.0091
2196	0.0066	0.0089	0.0087	0.0076	0.0145	0.0118	0.0130	0.0087	0.0075	0.0042	0.0090
2195	0.0069	0.0092	0.0076	0.0073	0.0142	0.0107	0.0125	0.0084	0.0055	0.0044	0.0086
2194	0.0072	0.0097	0.0062	0.0069	0.0139	0.0092	0.0120	0.0074	0.0040	0.0047	0.0082
2193	0.0073	0.0102	0.0053	0.0068	0.0141	0.0078	0.0119	0.0061	0.0034	0.0053	0.0079
2192	0.0073	0.0101	0.0053	0.0067	0.0150	0.0072	0.0124	0.0048	0.0031	0.0059	0.0075
2191	0.0072	0.0091	0.0061	0.0063	0.0157	0.0072	0.0129	0.0041	0.0028	0.0060	0.0069
2190	0.0074	0.0082	0.0075	0.0063	0.0161	0.0082	0.0134	0.0046	0.0032	0.0060	0.0070
2189	0.0081	0.0087	0.0092	0.0074	0.0169	0.0102	0.0140	0.0064	0.0050	0.0068	0.0082
2188	0.0090	0.0102	0.0109	0.0094	0.0183	0.0128	0.0143	0.0083	0.0075	0.0084	0.0097
2187	0.0092	0.0111	0.0123	0.0106	0.0193	0.0147	0.0139	0.0088	0.0094	0.0097	0.0102
2186	0.0081	0.0101	0.0131	0.0101	0.0187	0.0149	0.0129	0.0073	0.0098	0.0096	0.0096
2185	0.0060	0.0075	0.0130	0.0080	0.0163	0.0133	0.0120	0.0046	0.0091	0.0080	0.0086
2184	0.0038	0.0048	0.0119	0.0059	0.0134	0.0106	0.0115	0.0024	0.0080	0.0063	0.0082
2183	0.0023	0.0033	0.0101	0.0052	0.0117	0.0082	0.0111	0.0016	0.0072	0.0054	0.0081
2182	0.0024	0.0039	0.0086	0.0065	0.0118	0.0072	0.0105	0.0023	0.0068	0.0057	0.0081
2181	0.0041	0.0065	0.0080	0.0096	0.0132	0.0083	0.0104	0.0044	0.0072	0.0070	0.0083
2180	0.0069	0.0101	0.0079	0.0128	0.0146	0.0110	0.0110	0.0072	0.0084	0.0085	0.0090
2179	0.0095	0.0128	0.0077	0.0144	0.0147	0.0138	0.0119	0.0097	0.0102	0.0095	0.0101
2178	0.0107	0.0139	0.0077	0.0137	0.0135	0.0153	0.0124	0.0111	0.0115	0.0098	0.0115
2177	0.0101	0.0139	0.0081	0.0115	0.0124	0.0150	0.0123	0.0113	0.0115	0.0096	0.0123
2176	0.0084	0.0137	0.0083	0.0095	0.0122	0.0130	0.0118	0.0105	0.0101	0.0095	0.0122
2175	0.0068	0.0132	0.0074	0.0084	0.0124	0.0102	0.0110	0.0087	0.0085	0.0095	0.0109
2174	0.0060	0.0118	0.0057	0.0081	0.0121	0.0077	0.0101	0.0061	0.0078	0.0094	0.0087
2173	0.0062	0.0101	0.0046	0.0080	0.0114	0.0072	0.0097	0.0034	0.0079	0.0091	0.0065
2172	0.0067	0.0088	0.0053	0.0079	0.0108	0.0087	0.0105	0.0018	0.0083	0.0088	0.0048
2171	0.0070	0.0085	0.0071	0.0077	0.0103	0.0108	0.0120	0.0014	0.0079	0.0085	0.0036
2170	0.0064	0.0093	0.0086	0.0072	0.0095	0.0113	0.0131	0.0020	0.0064	0.0080	0.0027
2169	0.0055	0.0107	0.0093	0.0069	0.0085	0.0099	0.0130	0.0032	0.0048	0.0074	0.0026
2168	0.0053	0.0122	0.0096	0.0075	0.0084	0.0084	0.0121	0.0047	0.0043	0.0076	0.0040
2167	0.0068	0.0128	0.0102	0.0092	0.0099	0.0087	0.0115	0.0063	0.0057	0.0089	0.0066
2166	0.0095	0.0114	0.0114	0.0113	0.0125	0.0109	0.0119	0.0076	0.0084	0.0105	0.0088
2165	0.0113	0.0080	0.0120	0.0122	0.0147	0.0124	0.0125	0.0083	0.0107	0.0103	0.0089
2164	0.0105	0.0041	0.0114	0.0111	0.0152	0.0112	0.0123	0.0083	0.0115	0.0071	0.0069
2163	0.0077	0.0020	0.0100	0.0092	0.0144	0.0081	0.0115	0.0079	0.0110	0.0024	0.0047
2162	0.0044	0.0031	0.0087	0.0084	0.0137	0.0054	0.0114	0.0071	0.0101	0.0007	0.0039
2161	0.0023	0.0062	0.0078	0.0093	0.0136	0.0046	0.0128	0.0060	0.0093	0.0002	0.0040
2160	0.0017	0.0084	0.0065	0.0106	0.0130	0.0047	0.0141	0.0050	0.0082	0.0025	0.0034
2159	0.0021	0.0077	0.0044	0.0114	0.0107	0.0044	0.0142	0.0049	0.0075	0.0048	0.0023
2158	0.0038	0.0055	0.0027	0.0122	0.0082	0.0047	0.0139	0.0057	0.0079	0.0060	0.0031
2157	0.0067	0.0048	0.0029	0.0130	0.0080	0.0072	0.0144	0.0070	0.0093	0.0064	0.0067

2156	0.0093	0.0063	0.0047	0.0130	0.0104	0.0110	0.0153	0.0082	0.0101	0.0063	0.0108
2155	0.0106	0.0089	0.0071	0.0122	0.0133	0.0141	0.0157	0.0088	0.0096	0.0053	0.0125
2154	0.0102	0.0108	0.0093	0.0115	0.0151	0.0150	0.0155	0.0087	0.0083	0.0040	0.0114
2153	0.0085	0.0110	0.0108	0.0112	0.0158	0.0132	0.0153	0.0082	0.0066	0.0036	0.0089
2152	0.0064	0.0090	0.0107	0.0109	0.0155	0.0099	0.0150	0.0072	0.0048	0.0043	0.0067
2151	0.0045	0.0062	0.0087	0.0097	0.0142	0.0067	0.0142	0.0061	0.0034	0.0052	0.0054
2150	0.0036	0.0043	0.0058	0.0078	0.0119	0.0050	0.0132	0.0054	0.0030	0.0055	0.0047
2149	0.0038	0.0044	0.0038	0.0060	0.0095	0.0056	0.0126	0.0050	0.0039	0.0054	0.0047
2148	0.0046	0.0055	0.0034	0.0048	0.0080	0.0075	0.0123	0.0046	0.0054	0.0053	0.0053
2147	0.0054	0.0060	0.0041	0.0041	0.0078	0.0092	0.0117	0.0038	0.0067	0.0054	0.0066
2146	0.0062	0.0062	0.0052	0.0044	0.0092	0.0102	0.0109	0.0031	0.0080	0.0060	0.0083
2145	0.0076	0.0074	0.0069	0.0058	0.0119	0.0111	0.0106	0.0035	0.0094	0.0071	0.0098
2144	0.0093	0.0095	0.0090	0.0079	0.0146	0.0122	0.0114	0.0052	0.0102	0.0084	0.0104
2143	0.0106	0.0110	0.0105	0.0095	0.0158	0.0129	0.0121	0.0069	0.0098	0.0091	0.0102
2142	0.0104	0.0106	0.0106	0.0100	0.0152	0.0125	0.0117	0.0076	0.0084	0.0086	0.0095
2141	0.0090	0.0090	0.0095	0.0096	0.0137	0.0112	0.0103	0.0070	0.0068	0.0078	0.0085
2140	0.0074	0.0076	0.0081	0.0086	0.0128	0.0100	0.0092	0.0060	0.0057	0.0076	0.0076
2139	0.0066	0.0073	0.0074	0.0073	0.0126	0.0097	0.0093	0.0052	0.0053	0.0082	0.0071
2138	0.0063	0.0077	0.0072	0.0062	0.0125	0.0099	0.0103	0.0049	0.0052	0.0086	0.0071
2137	0.0062	0.0081	0.0071	0.0055	0.0120	0.0098	0.0114	0.0049	0.0053	0.0081	0.0073
2136	0.0057	0.0082	0.0067	0.0051	0.0114	0.0091	0.0120	0.0049	0.0057	0.0069	0.0072
2135	0.0052	0.0079	0.0063	0.0048	0.0109	0.0085	0.0119	0.0048	0.0065	0.0057	0.0069
2134	0.0047	0.0071	0.0059	0.0046	0.0107	0.0084	0.0114	0.0044	0.0073	0.0047	0.0067
2133	0.0045	0.0062	0.0056	0.0044	0.0106	0.0087	0.0109	0.0037	0.0076	0.0038	0.0065
2132	0.0043	0.0056	0.0050	0.0044	0.0108	0.0086	0.0102	0.0029	0.0073	0.0030	0.0064
2131	0.0042	0.0053	0.0042	0.0043	0.0110	0.0079	0.0095	0.0023	0.0064	0.0025	0.0062
2130	0.0040	0.0052	0.0037	0.0040	0.0112	0.0068	0.0089	0.0022	0.0055	0.0024	0.0059
2129	0.0039	0.0051	0.0036	0.0038	0.0112	0.0059	0.0086	0.0024	0.0049	0.0026	0.0057
2128	0.0040	0.0051	0.0040	0.0038	0.0112	0.0057	0.0086	0.0028	0.0050	0.0030	0.0056
2127	0.0044	0.0053	0.0048	0.0040	0.0113	0.0062	0.0089	0.0034	0.0055	0.0037	0.0058
2126	0.0052	0.0059	0.0057	0.0045	0.0115	0.0075	0.0093	0.0043	0.0063	0.0046	0.0062
2125	0.0059	0.0066	0.0065	0.0053	0.0117	0.0089	0.0098	0.0053	0.0069	0.0055	0.0067
2124	0.0063	0.0072	0.0067	0.0061	0.0117	0.0097	0.0103	0.0059	0.0072	0.0060	0.0071
2123	0.0064	0.0075	0.0064	0.0066	0.0116	0.0097	0.0106	0.0061	0.0072	0.0059	0.0075
2122	0.0064	0.0077	0.0061	0.0070	0.0116	0.0093	0.0110	0.0061	0.0073	0.0056	0.0080
2121	0.0066	0.0079	0.0061	0.0074	0.0119	0.0092	0.0115	0.0063	0.0075	0.0053	0.0085
2120	0.0068	0.0080	0.0065	0.0080	0.0124	0.0097	0.0119	0.0067	0.0078	0.0051	0.0089
2119	0.0069	0.0076	0.0071	0.0085	0.0129	0.0104	0.0120	0.0069	0.0080	0.0050	0.0088
2118	0.0070	0.0072	0.0077	0.0088	0.0133	0.0110	0.0117	0.0067	0.0080	0.0050	0.0084
2117	0.0070	0.0069	0.0082	0.0090	0.0137	0.0112	0.0113	0.0063	0.0082	0.0053	0.0081
2116	0.0071	0.0072	0.0085	0.0090	0.0141	0.0111	0.0111	0.0059	0.0084	0.0057	0.0080
2115	0.0072	0.0079	0.0085	0.0088	0.0143	0.0106	0.0112	0.0058	0.0087	0.0061	0.0082
2114	0.0075	0.0088	0.0083	0.0083	0.0143	0.0103	0.0116	0.0061	0.0090	0.0064	0.0087
2113	0.0080	0.0096	0.0082	0.0080	0.0141	0.0104	0.0123	0.0068	0.0094	0.0067	0.0092

2112	0.0086	0.0102	0.0081	0.0079	0.0142	0.0109	0.0129	0.0078	0.0096	0.0072	0.0096
2111	0.0087	0.0103	0.0082	0.0081	0.0143	0.0113	0.0132	0.0086	0.0094	0.0075	0.0096
2110	0.0084	0.0098	0.0081	0.0083	0.0144	0.0116	0.0130	0.0086	0.0089	0.0074	0.0094
2109	0.0077	0.0089	0.0079	0.0083	0.0141	0.0114	0.0124	0.0077	0.0083	0.0070	0.0091
2108	0.0071	0.0080	0.0076	0.0080	0.0134	0.0110	0.0120	0.0065	0.0079	0.0067	0.0087
2107	0.0069	0.0073	0.0074	0.0075	0.0126	0.0103	0.0117	0.0055	0.0077	0.0064	0.0083
2106	0.0069	0.0071	0.0074	0.0071	0.0119	0.0098	0.0116	0.0047	0.0077	0.0062	0.0081
2105	0.0071	0.0074	0.0077	0.0071	0.0117	0.0096	0.0115	0.0045	0.0081	0.0059	0.0081
2104	0.0074	0.0079	0.0081	0.0074	0.0118	0.0098	0.0116	0.0045	0.0088	0.0058	0.0083
2103	0.0076	0.0085	0.0083	0.0076	0.0120	0.0103	0.0119	0.0047	0.0095	0.0060	0.0084
2102	0.0075	0.0087	0.0081	0.0075	0.0119	0.0108	0.0122	0.0049	0.0099	0.0063	0.0081
2101	0.0072	0.0086	0.0076	0.0071	0.0117	0.0111	0.0124	0.0050	0.0097	0.0064	0.0076
2100	0.0069	0.0083	0.0071	0.0069	0.0115	0.0113	0.0124	0.0048	0.0090	0.0060	0.0069
2099	0.0067	0.0079	0.0068	0.0071	0.0117	0.0111	0.0122	0.0046	0.0081	0.0055	0.0066
2098	0.0066	0.0074	0.0066	0.0073	0.0119	0.0106	0.0119	0.0043	0.0075	0.0050	0.0066
2097	0.0065	0.0068	0.0063	0.0072	0.0120	0.0099	0.0115	0.0041	0.0071	0.0047	0.0069
2096	0.0063	0.0062	0.0059	0.0065	0.0117	0.0092	0.0110	0.0041	0.0067	0.0046	0.0070
2095	0.0060	0.0059	0.0055	0.0056	0.0110	0.0087	0.0107	0.0044	0.0063	0.0044	0.0069
2094	0.0060	0.0060	0.0055	0.0052	0.0103	0.0086	0.0105	0.0049	0.0061	0.0042	0.0067
2093	0.0062	0.0067	0.0058	0.0056	0.0100	0.0089	0.0106	0.0052	0.0062	0.0041	0.0066
2092	0.0067	0.0077	0.0062	0.0066	0.0105	0.0093	0.0109	0.0052	0.0065	0.0043	0.0067
2091	0.0070	0.0084	0.0065	0.0077	0.0114	0.0096	0.0112	0.0052	0.0068	0.0047	0.0070
2090	0.0071	0.0087	0.0067	0.0085	0.0124	0.0099	0.0117	0.0054	0.0072	0.0053	0.0075
2089	0.0072	0.0085	0.0070	0.0089	0.0131	0.0104	0.0122	0.0058	0.0076	0.0061	0.0079
2088	0.0071	0.0080	0.0075	0.0090	0.0133	0.0108	0.0126	0.0060	0.0080	0.0067	0.0080
2087	0.0069	0.0074	0.0078	0.0086	0.0129	0.0110	0.0126	0.0059	0.0082	0.0067	0.0077
2086	0.0065	0.0070	0.0079	0.0080	0.0124	0.0109	0.0123	0.0056	0.0083	0.0063	0.0072
2085	0.0063	0.0071	0.0079	0.0074	0.0123	0.0107	0.0121	0.0053	0.0082	0.0057	0.0070
2084	0.0062	0.0075	0.0079	0.0069	0.0126	0.0106	0.0119	0.0051	0.0081	0.0055	0.0071
2083	0.0063	0.0079	0.0078	0.0064	0.0130	0.0106	0.0116	0.0048	0.0077	0.0054	0.0073
2082	0.0063	0.0079	0.0074	0.0058	0.0131	0.0106	0.0112	0.0044	0.0073	0.0052	0.0073
2081	0.0061	0.0077	0.0067	0.0053	0.0128	0.0105	0.0108	0.0039	0.0070	0.0049	0.0072
2080	0.0057	0.0076	0.0060	0.0052	0.0124	0.0104	0.0108	0.0035	0.0069	0.0047	0.0070
2079	0.0054	0.0076	0.0055	0.0056	0.0121	0.0101	0.0110	0.0035	0.0071	0.0048	0.0070
2078	0.0055	0.0078	0.0055	0.0063	0.0119	0.0097	0.0111	0.0041	0.0077	0.0051	0.0073
2077	0.0060	0.0083	0.0060	0.0071	0.0118	0.0094	0.0108	0.0050	0.0084	0.0054	0.0077
2076	0.0065	0.0086	0.0063	0.0075	0.0115	0.0095	0.0104	0.0055	0.0086	0.0051	0.0079
2075	0.0067	0.0084	0.0059	0.0072	0.0109	0.0096	0.0098	0.0052	0.0081	0.0042	0.0075
2074	0.0065	0.0076	0.0049	0.0064	0.0101	0.0096	0.0094	0.0046	0.0071	0.0032	0.0065
2073	0.0064	0.0069	0.0042	0.0059	0.0100	0.0095	0.0096	0.0044	0.0068	0.0030	0.0059
2072	0.0069	0.0068	0.0045	0.0063	0.0106	0.0094	0.0103	0.0052	0.0073	0.0039	0.0063
2071	0.0076	0.0073	0.0057	0.0072	0.0116	0.0094	0.0110	0.0064	0.0081	0.0052	0.0072
2070	0.0080	0.0076	0.0068	0.0079	0.0120	0.0094	0.0111	0.0069	0.0084	0.0058	0.0079
2069	0.0077	0.0075	0.0074	0.0080	0.0116	0.0092	0.0108	0.0064	0.0078	0.0054	0.0079

2068	0.0072	0.0068	0.0074	0.0075	0.0108	0.0089	0.0104	0.0055	0.0068	0.0047	0.0074
2067	0.0069	0.0061	0.0073	0.0067	0.0102	0.0086	0.0104	0.0051	0.0060	0.0045	0.0067
2066	0.0069	0.0060	0.0072	0.0062	0.0104	0.0084	0.0107	0.0055	0.0061	0.0050	0.0063
2065	0.0071	0.0067	0.0073	0.0066	0.0114	0.0086	0.0111	0.0066	0.0069	0.0059	0.0065
2064	0.0074	0.0078	0.0076	0.0078	0.0128	0.0093	0.0114	0.0076	0.0082	0.0069	0.0071
2063	0.0075	0.0083	0.0078	0.0088	0.0136	0.0099	0.0112	0.0078	0.0093	0.0074	0.0077
2062	0.0073	0.0079	0.0075	0.0090	0.0135	0.0103	0.0106	0.0071	0.0097	0.0072	0.0081
2061	0.0069	0.0069	0.0065	0.0084	0.0129	0.0102	0.0097	0.0059	0.0093	0.0064	0.0081
2060	0.0064	0.0062	0.0054	0.0075	0.0127	0.0096	0.0091	0.0049	0.0081	0.0054	0.0077
2059	0.0061	0.0060	0.0047	0.0067	0.0130	0.0084	0.0092	0.0042	0.0066	0.0046	0.0073
2058	0.0060	0.0063	0.0046	0.0063	0.0135	0.0073	0.0098	0.0041	0.0052	0.0044	0.0071
2057	0.0060	0.0065	0.0051	0.0060	0.0137	0.0070	0.0107	0.0045	0.0045	0.0043	0.0072
2056	0.0059	0.0065	0.0057	0.0057	0.0134	0.0073	0.0117	0.0051	0.0044	0.0042	0.0071
2055	0.0055	0.0059	0.0062	0.0051	0.0129	0.0077	0.0123	0.0054	0.0044	0.0038	0.0066
2054	0.0050	0.0047	0.0064	0.0044	0.0123	0.0077	0.0123	0.0052	0.0043	0.0034	0.0056
2053	0.0049	0.0036	0.0067	0.0041	0.0120	0.0073	0.0115	0.0049	0.0041	0.0031	0.0048
2052	0.0052	0.0028	0.0072	0.0045	0.0120	0.0069	0.0104	0.0048	0.0041	0.0030	0.0044
2051	0.0058	0.0026	0.0076	0.0053	0.0119	0.0067	0.0097	0.0050	0.0044	0.0032	0.0047
2050	0.0066	0.0028	0.0074	0.0062	0.0116	0.0068	0.0101	0.0056	0.0049	0.0040	0.0058
2049	0.0073	0.0032	0.0066	0.0070	0.0112	0.0070	0.0113	0.0066	0.0057	0.0056	0.0077
2048	0.0076	0.0039	0.0052	0.0078	0.0107	0.0071	0.0123	0.0077	0.0067	0.0070	0.0096
2047	0.0073	0.0043	0.0036	0.0083	0.0102	0.0066	0.0120	0.0077	0.0075	0.0072	0.0104
2046	0.0066	0.0040	0.0021	0.0085	0.0097	0.0058	0.0104	0.0063	0.0078	0.0058	0.0096
2045	0.0062	0.0031	0.0015	0.0084	0.0095	0.0051	0.0087	0.0043	0.0077	0.0039	0.0083
2044	0.0067	0.0020	0.0019	0.0082	0.0094	0.0051	0.0081	0.0029	0.0074	0.0029	0.0078
2043	0.0074	0.0014	0.0029	0.0075	0.0096	0.0059	0.0088	0.0027	0.0069	0.0032	0.0089
2042	0.0074	0.0020	0.0039	0.0062	0.0100	0.0072	0.0108	0.0035	0.0066	0.0042	0.0113
2041	0.0066	0.0039	0.0044	0.0048	0.0108	0.0084	0.0136	0.0049	0.0070	0.0052	0.0135
2040	0.0057	0.0061	0.0043	0.0039	0.0120	0.0093	0.0160	0.0063	0.0079	0.0054	0.0142
2039	0.0052	0.0074	0.0037	0.0035	0.0129	0.0092	0.0163	0.0068	0.0084	0.0045	0.0128
2038	0.0051	0.0072	0.0027	0.0031	0.0130	0.0081	0.0143	0.0062	0.0074	0.0025	0.0095
2037	0.0050	0.0060	0.0020	0.0031	0.0118	0.0063	0.0114	0.0046	0.0051	0.0003	0.0053
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2036	0.0050	0.0051	0.0020	0.0033	0.0096	0.0047	0.0101	0.0027	0.0026	0.0011	0.0019
										-	
2035	0.0052	0.0055	0.0026	0.0032	0.0072	0.0034	0.0110	0.0005	0.0013	0.0010	0.0005
								-			
2034	0.0053	0.0070	0.0031	0.0027	0.0056	0.0024	0.0125	0.0015	0.0017	0.0006	0.0019
								-			
2033	0.0047	0.0083	0.0031	0.0029	0.0054	0.0018	0.0121	0.0025	0.0032	0.0032	0.0052
								-			
2032	0.0038	0.0080	0.0029	0.0049	0.0061	0.0023	0.0096	0.0018	0.0046	0.0055	0.0086
2031	0.0032	0.0063	0.0029	0.0078	0.0074	0.0037	0.0067	0.0002	0.0054	0.0068	0.0109
2030	0.0036	0.0046	0.0036	0.0096	0.0093	0.0054	0.0053	0.0029	0.0063	0.0073	0.0122
2029	0.0042	0.0041	0.0047	0.0092	0.0119	0.0063	0.0060	0.0049	0.0078	0.0076	0.0131

2028	0.0045	0.0050	0.0052	0.0075	0.0142	0.0059	0.0078	0.0053	0.0093	0.0075	0.0134
2027	0.0043	0.0065	0.0043	0.0066	0.0148	0.0049	0.0091	0.0040	0.0100	0.0071	0.0124
2026	0.0040	0.0077	0.0022	0.0067	0.0135	0.0040	0.0089	0.0020	0.0094	0.0064	0.0104
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2025	0.0036	0.0078	0.0005	0.0069	0.0107	0.0033	0.0071	0.0007	0.0075	0.0059	0.0086
			-								
2024	0.0027	0.0062	0.0029	0.0056	0.0074	0.0019	0.0039	0.0003	0.0048	0.0049	0.0073
			-								
2023	0.0005	0.0033	0.0046	0.0030	0.0040	0.0003	0.0003	0.0005	0.0019	0.0024	0.0057
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2022	0.0024	0.0002	0.0054	0.0002	0.0015	0.0021	0.0026	0.0022	0.0007	0.0017	0.0023
	-	-	-	-	-	-	-	-	-	-	-
2021	0.0047	0.0016	0.0048	0.0011	0.0007	0.0025	0.0040	0.0037	0.0026	0.0057	0.0022
	-	-	-	-	-	-	-	-	-	-	-
2020	0.0054	0.0016	0.0031	0.0006	0.0016	0.0017	0.0036	0.0034	0.0038	0.0078	0.0057
	-	-	-	-	-	-	-	-	-	-	-
2019	0.0042	0.0001	0.0006	0.0011	0.0036	0.0006	0.0020	0.0013	0.0043	0.0079	0.0060
	-										
2018	0.0015	0.0026	0.0018	0.0036	0.0063	0.0009	0.0006	0.0018	0.0033	0.0065	0.0028
2017	0.0016	0.0061	0.0032	0.0066	0.0091	0.0030	0.0037	0.0050	0.0008	0.0042	0.0025
2016	0.0040	0.0087	0.0031	0.0089	0.0104	0.0052	0.0059	0.0072	0.0018	0.0018	0.0067
2015	0.0053	0.0095	0.0022	0.0092	0.0095	0.0065	0.0069	0.0079	0.0032	0.0001	0.0081
2014	0.0061	0.0090	0.0017	0.0077	0.0079	0.0066	0.0072	0.0072	0.0038	0.0006	0.0075
2013	0.0065	0.0077	0.0017	0.0056	0.0071	0.0057	0.0071	0.0053	0.0044	0.0005	0.0064
2012	0.0061	0.0064	0.0011	0.0041	0.0068	0.0040	0.0063	0.0029	0.0051	0.0002	0.0051
			-								
2011	0.0045	0.0051	0.0008	0.0035	0.0054	0.0022	0.0049	0.0003	0.0053	0.0015	0.0033
			-								
2010	0.0025	0.0045	0.0030	0.0036	0.0032	0.0009	0.0039	0.0017	0.0053	0.0031	0.0017
			-								
2009	0.0016	0.0051	0.0041	0.0043	0.0022	0.0010	0.0045	0.0027	0.0054	0.0039	0.0015
			-								
2008	0.0017	0.0059	0.0045	0.0049	0.0032	0.0019	0.0060	0.0030	0.0052	0.0036	0.0030
			-								
2007	0.0018	0.0056	0.0050	0.0046	0.0043	0.0027	0.0071	0.0035	0.0038	0.0029	0.0048
			-								
2006	0.0015	0.0045	0.0055	0.0033	0.0041	0.0033	0.0074	0.0038	0.0016	0.0027	0.0057
			-								
2005	0.0012	0.0036	0.0043	0.0018	0.0033	0.0038	0.0073	0.0030	0.0001	0.0029	0.0061
			-								
2004	0.0017	0.0036	0.0013	0.0013	0.0034	0.0035	0.0069	0.0008	0.0002	0.0028	0.0063
2003	0.0029	0.0038	0.0023	0.0016	0.0047	0.0025	0.0061	0.0016	0.0002	0.0019	0.0066
2002	0.0042	0.0035	0.0052	0.0020	0.0067	0.0015	0.0057	0.0028	0.0008	0.0000	0.0066
2001	0.0051	0.0027	0.0065	0.0022	0.0087	0.0015	0.0064	0.0025	0.0014	0.0023	0.0064

2000	0.0052	0.0021	0.0062	0.0022	0.0097	0.0025	0.0077	0.0013	0.0021	0.0038	0.0065
1999	0.0049	0.0021	0.0048	0.0022	0.0095	0.0040	0.0082	0.0001	0.0031	0.0042	0.0069
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1998	0.0046	0.0033	0.0035	0.0029	0.0090	0.0060	0.0078	0.0001	0.0045	0.0042	0.0077
1997	0.0050	0.0053	0.0034	0.0040	0.0092	0.0083	0.0074	0.0011	0.0064	0.0046	0.0088
1996	0.0058	0.0072	0.0044	0.0049	0.0099	0.0100	0.0077	0.0029	0.0080	0.0055	0.0096
1995	0.0060	0.0078	0.0056	0.0046	0.0097	0.0101	0.0078	0.0038	0.0082	0.0057	0.0094
1994	0.0053	0.0068	0.0061	0.0033	0.0078	0.0086	0.0070	0.0031	0.0069	0.0048	0.0081
1993	0.0043	0.0054	0.0059	0.0027	0.0057	0.0067	0.0061	0.0019	0.0054	0.0033	0.0064
1992	0.0040	0.0046	0.0058	0.0040	0.0050	0.0061	0.0063	0.0016	0.0052	0.0026	0.0053
1991	0.0050	0.0049	0.0066	0.0069	0.0062	0.0073	0.0080	0.0030	0.0060	0.0030	0.0052
1990	0.0069	0.0061	0.0080	0.0096	0.0084	0.0096	0.0101	0.0052	0.0069	0.0042	0.0057
1989	0.0088	0.0078	0.0094	0.0103	0.0109	0.0114	0.0113	0.0071	0.0069	0.0053	0.0063
1988	0.0093	0.0091	0.0099	0.0085	0.0125	0.0116	0.0111	0.0075	0.0061	0.0055	0.0068
1987	0.0085	0.0095	0.0092	0.0056	0.0125	0.0104	0.0100	0.0066	0.0051	0.0045	0.0071
1986	0.0074	0.0089	0.0081	0.0034	0.0112	0.0090	0.0090	0.0050	0.0051	0.0032	0.0078
1985	0.0070	0.0080	0.0076	0.0033	0.0097	0.0083	0.0086	0.0039	0.0063	0.0030	0.0087
1984	0.0074	0.0069	0.0082	0.0046	0.0083	0.0079	0.0084	0.0037	0.0073	0.0040	0.0091
1983	0.0078	0.0057	0.0090	0.0058	0.0067	0.0071	0.0076	0.0040	0.0066	0.0049	0.0080
1982	0.0076	0.0042	0.0090	0.0058	0.0045	0.0060	0.0064	0.0042	0.0041	0.0044	0.0059
1981	0.0074	0.0034	0.0082	0.0050	0.0032	0.0059	0.0065	0.0045	0.0017	0.0032	0.0048
1980	0.0078	0.0038	0.0074	0.0047	0.0038	0.0072	0.0089	0.0054	0.0011	0.0030	0.0062
1979	0.0087	0.0049	0.0067	0.0053	0.0057	0.0085	0.0126	0.0062	0.0021	0.0040	0.0089
1978	0.0090	0.0053	0.0060	0.0063	0.0073	0.0084	0.0147	0.0055	0.0030	0.0049	0.0108
1977	0.0083	0.0040	0.0050	0.0067	0.0075	0.0070	0.0129	0.0034	0.0030	0.0043	0.0105
1976	0.0070	0.0014	0.0046	0.0056	0.0067	0.0052	0.0083	0.0012	0.0028	0.0029	0.0084
1975	0.0060	0.0011	0.0047	0.0033	0.0056	0.0039	0.0037	0.0005	0.0033	0.0014	0.0061
1974	0.0053	0.0021	0.0048	0.0006	0.0048	0.0031	0.0010	0.0012	0.0048	0.0005	0.0044
1973	0.0048	0.0008	0.0045	0.0007	0.0043	0.0027	0.0006	0.0028	0.0066	0.0004	0.0038
1972	0.0046	0.0015	0.0040	0.0003	0.0041	0.0027	0.0016	0.0043	0.0082	0.0014	0.0042
1971	0.0047	0.0030	0.0043	0.0026	0.0039	0.0032	0.0026	0.0051	0.0085	0.0028	0.0048
1970	0.0046	0.0028	0.0051	0.0045	0.0042	0.0043	0.0030	0.0048	0.0070	0.0034	0.0042
1969	0.0041	0.0016	0.0048	0.0043	0.0054	0.0052	0.0024	0.0036	0.0038	0.0023	0.0020
1968	0.0028	0.0002	0.0024	0.0017	0.0069	0.0050	0.0008	0.0020	0.0001	0.0001	0.0013
1967	0.0013	0.0005	0.0012	0.0017	0.0078	0.0037	0.0008	0.0009	0.0029	0.0024	0.0042
1966	0.0007	0.0002	0.0032	0.0039	0.0084	0.0028	0.0010	0.0010	0.0036	0.0029	0.0049
1965	0.0017	0.0021	0.0017	0.0031	0.0098	0.0038	0.0010	0.0025	0.0023	0.0009	0.0024
1964	0.0037	0.0040	0.0022	0.0004	0.0118	0.0060	0.0037	0.0044	0.0006	0.0023	0.0018

1963	0.0051	0.0049	0.0058	0.0021	0.0129	0.0080	0.0054	0.0055	0.0003	0.0048	0.0052
1962	0.0049	0.0045	0.0072	0.0033	0.0123	0.0087	0.0054	0.0051	0.0003	0.0055	0.0063
1961	0.0035	0.0033	0.0062	0.0035	0.0109	0.0081	0.0045	0.0041	0.0001	0.0047	0.0051
1960	0.0022	0.0019	0.0044	0.0040	0.0099	0.0071	0.0038	0.0036	0.0002	0.0039	0.0028
1959	0.0020	0.0006	0.0034	0.0053	0.0097	0.0066	0.0035	0.0040	0.0005	0.0036	0.0014
1958	0.0029	0.0003	0.0039	0.0068	0.0100	0.0069	0.0041	0.0050	0.0015	0.0038	0.0018
1957	0.0043	0.0011	0.0051	0.0073	0.0103	0.0077	0.0055	0.0056	0.0028	0.0039	0.0037
1956	0.0052	0.0022	0.0058	0.0063	0.0103	0.0081	0.0069	0.0053	0.0038	0.0036	0.0055
1955	0.0051	0.0027	0.0054	0.0042	0.0100	0.0072	0.0076	0.0044	0.0040	0.0029	0.0058
1954	0.0043	0.0024	0.0042	0.0022	0.0095	0.0057	0.0078	0.0035	0.0037	0.0019	0.0048
1953	0.0037	0.0024	0.0030	0.0015	0.0095	0.0049	0.0078	0.0031	0.0036	0.0014	0.0041
1952	0.0038	0.0033	0.0025	0.0023	0.0101	0.0053	0.0081	0.0031	0.0041	0.0019	0.0046
1951	0.0044	0.0048	0.0027	0.0039	0.0105	0.0062	0.0084	0.0032	0.0044	0.0031	0.0055
1950	0.0049	0.0061	0.0032	0.0051	0.0104	0.0068	0.0085	0.0033	0.0043	0.0042	0.0059
1949	0.0050	0.0067	0.0035	0.0053	0.0096	0.0070	0.0085	0.0030	0.0037	0.0043	0.0051
1948	0.0045	0.0064	0.0035	0.0048	0.0088	0.0068	0.0084	0.0024	0.0029	0.0035	0.0036
1947	0.0038	0.0055	0.0034	0.0042	0.0082	0.0068	0.0081	0.0015	0.0023	0.0027	0.0025
1946	0.0036	0.0047	0.0038	0.0040	0.0081	0.0071	0.0077	0.0007	0.0023	0.0024	0.0024
1945	0.0039	0.0045	0.0046	0.0042	0.0086	0.0076	0.0075	0.0005	0.0029	0.0025	0.0035
1944	0.0045	0.0049	0.0054	0.0044	0.0096	0.0080	0.0075	0.0010	0.0037	0.0028	0.0054
1943	0.0048	0.0054	0.0056	0.0044	0.0104	0.0079	0.0076	0.0019	0.0044	0.0032	0.0069
1942	0.0047	0.0054	0.0052	0.0045	0.0106	0.0076	0.0076	0.0028	0.0047	0.0040	0.0073
1941	0.0044	0.0052	0.0047	0.0050	0.0101	0.0073	0.0077	0.0037	0.0047	0.0047	0.0068
1940	0.0041	0.0050	0.0045	0.0057	0.0097	0.0069	0.0080	0.0045	0.0045	0.0051	0.0060
1939	0.0041	0.0053	0.0045	0.0063	0.0097	0.0066	0.0084	0.0052	0.0043	0.0052	0.0056
1938	0.0043	0.0059	0.0049	0.0068	0.0105	0.0064	0.0091	0.0057	0.0047	0.0051	0.0055
1937	0.0049	0.0066	0.0056	0.0071	0.0116	0.0067	0.0102	0.0060	0.0056	0.0050	0.0057
1936	0.0055	0.0070	0.0061	0.0073	0.0124	0.0071	0.0113	0.0057	0.0066	0.0050	0.0058
1935	0.0058	0.0070	0.0063	0.0072	0.0124	0.0073	0.0120	0.0049	0.0072	0.0049	0.0056
1934	0.0058	0.0066	0.0062	0.0068	0.0120	0.0074	0.0122	0.0041	0.0072	0.0047	0.0052
1933	0.0057	0.0065	0.0064	0.0066	0.0117	0.0075	0.0117	0.0039	0.0070	0.0045	0.0052
1932	0.0057	0.0065	0.0068	0.0066	0.0117	0.0079	0.0111	0.0043	0.0068	0.0044	0.0056
1931	0.0059	0.0067	0.0072	0.0066	0.0119	0.0084	0.0106	0.0052	0.0067	0.0044	0.0062
1930	0.0062	0.0068	0.0073	0.0065	0.0120	0.0089	0.0104	0.0061	0.0068	0.0046	0.0068
1929	0.0066	0.0068	0.0069	0.0064	0.0118	0.0093	0.0103	0.0065	0.0071	0.0046	0.0070
1928	0.0067	0.0065	0.0063	0.0061	0.0116	0.0096	0.0102	0.0063	0.0075	0.0043	0.0069
1927	0.0064	0.0061	0.0057	0.0058	0.0112	0.0095	0.0098	0.0057	0.0077	0.0038	0.0067
1926	0.0059	0.0057	0.0054	0.0053	0.0109	0.0091	0.0093	0.0052	0.0077	0.0035	0.0065
1925	0.0054	0.0055	0.0052	0.0048	0.0109	0.0086	0.0090	0.0049	0.0073	0.0036	0.0064
1924	0.0052	0.0057	0.0050	0.0046	0.0112	0.0081	0.0089	0.0048	0.0068	0.0038	0.0065
1923	0.0053	0.0060	0.0048	0.0047	0.0114	0.0079	0.0091	0.0046	0.0064	0.0041	0.0064
1922	0.0054	0.0063	0.0047	0.0050	0.0115	0.0080	0.0094	0.0045	0.0064	0.0043	0.0062
1921	0.0055	0.0065	0.0048	0.0055	0.0113	0.0082	0.0098	0.0045	0.0067	0.0046	0.0060
1920	0.0055	0.0067	0.0051	0.0060	0.0111	0.0085	0.0100	0.0047	0.0071	0.0050	0.0059

1919	0.0054	0.0068	0.0056	0.0063	0.0108	0.0087	0.0100	0.0048	0.0071	0.0052	0.0060
1918	0.0055	0.0070	0.0059	0.0066	0.0106	0.0088	0.0099	0.0047	0.0068	0.0052	0.0062
1917	0.0059	0.0073	0.0060	0.0067	0.0108	0.0089	0.0098	0.0046	0.0067	0.0051	0.0065
1916	0.0063	0.0074	0.0060	0.0068	0.0111	0.0089	0.0101	0.0046	0.0069	0.0049	0.0069
1915	0.0066	0.0074	0.0060	0.0069	0.0112	0.0088	0.0104	0.0047	0.0072	0.0048	0.0071
1914	0.0066	0.0071	0.0059	0.0069	0.0112	0.0087	0.0108	0.0048	0.0073	0.0047	0.0070
1913	0.0065	0.0070	0.0058	0.0068	0.0111	0.0087	0.0110	0.0049	0.0073	0.0046	0.0068
1912	0.0062	0.0069	0.0056	0.0065	0.0111	0.0089	0.0110	0.0049	0.0072	0.0044	0.0065
1911	0.0059	0.0069	0.0055	0.0062	0.0112	0.0091	0.0109	0.0050	0.0071	0.0043	0.0064
1910	0.0057	0.0067	0.0054	0.0060	0.0112	0.0093	0.0108	0.0051	0.0071	0.0044	0.0065
1909	0.0056	0.0065	0.0053	0.0059	0.0113	0.0094	0.0108	0.0052	0.0070	0.0046	0.0066
1908	0.0057	0.0065	0.0053	0.0061	0.0113	0.0093	0.0108	0.0054	0.0068	0.0046	0.0066
1907	0.0057	0.0065	0.0052	0.0062	0.0112	0.0091	0.0108	0.0055	0.0065	0.0045	0.0065
1906	0.0059	0.0067	0.0052	0.0061	0.0111	0.0089	0.0107	0.0055	0.0063	0.0044	0.0064
1905	0.0059	0.0068	0.0052	0.0058	0.0110	0.0087	0.0107	0.0054	0.0063	0.0045	0.0066
1904	0.0060	0.0068	0.0053	0.0055	0.0110	0.0086	0.0109	0.0053	0.0064	0.0044	0.0068
1903	0.0059	0.0065	0.0054	0.0053	0.0109	0.0085	0.0110	0.0050	0.0062	0.0042	0.0068
1902	0.0057	0.0062	0.0055	0.0052	0.0108	0.0085	0.0111	0.0049	0.0060	0.0041	0.0066
1901	0.0056	0.0062	0.0057	0.0055	0.0110	0.0087	0.0111	0.0050	0.0061	0.0042	0.0066
1900	0.0057	0.0064	0.0061	0.0059	0.0114	0.0089	0.0112	0.0053	0.0064	0.0045	0.0067
1899	0.0057	0.0068	0.0065	0.0061	0.0117	0.0091	0.0112	0.0054	0.0067	0.0048	0.0069
1898	0.0057	0.0071	0.0065	0.0062	0.0116	0.0092	0.0113	0.0054	0.0068	0.0049	0.0069
1897	0.0056	0.0071	0.0063	0.0061	0.0113	0.0092	0.0114	0.0053	0.0069	0.0048	0.0069
1896	0.0054	0.0070	0.0059	0.0060	0.0109	0.0090	0.0113	0.0052	0.0068	0.0046	0.0068
1895	0.0053	0.0069	0.0056	0.0060	0.0108	0.0086	0.0109	0.0050	0.0067	0.0044	0.0067
1894	0.0053	0.0068	0.0054	0.0060	0.0107	0.0083	0.0106	0.0048	0.0065	0.0042	0.0066
1893	0.0053	0.0068	0.0052	0.0060	0.0107	0.0082	0.0103	0.0046	0.0064	0.0041	0.0065
1892	0.0054	0.0067	0.0051	0.0060	0.0106	0.0084	0.0102	0.0045	0.0064	0.0041	0.0065
1891	0.0056	0.0066	0.0052	0.0061	0.0105	0.0086	0.0101	0.0045	0.0065	0.0042	0.0065
1890	0.0057	0.0067	0.0054	0.0061	0.0106	0.0090	0.0101	0.0047	0.0066	0.0044	0.0065
1889	0.0058	0.0070	0.0058	0.0064	0.0109	0.0094	0.0102	0.0050	0.0068	0.0048	0.0067
1888	0.0059	0.0073	0.0062	0.0067	0.0113	0.0097	0.0104	0.0053	0.0071	0.0050	0.0068
1887	0.0060	0.0075	0.0064	0.0068	0.0115	0.0097	0.0105	0.0055	0.0072	0.0051	0.0068
1886	0.0059	0.0074	0.0065	0.0066	0.0113	0.0094	0.0104	0.0054	0.0072	0.0049	0.0065
1885	0.0057	0.0073	0.0065	0.0062	0.0109	0.0092	0.0103	0.0051	0.0071	0.0047	0.0063
1884	0.0055	0.0072	0.0065	0.0059	0.0105	0.0090	0.0103	0.0049	0.0071	0.0045	0.0061
1883	0.0054	0.0072	0.0064	0.0057	0.0104	0.0088	0.0104	0.0047	0.0070	0.0045	0.0061
1882	0.0054	0.0074	0.0063	0.0058	0.0106	0.0088	0.0106	0.0046	0.0070	0.0045	0.0062
1881	0.0056	0.0075	0.0063	0.0060	0.0109	0.0090	0.0108	0.0048	0.0070	0.0045	0.0064
1880	0.0059	0.0076	0.0064	0.0062	0.0113	0.0093	0.0110	0.0050	0.0073	0.0045	0.0065
1879	0.0060	0.0076	0.0066	0.0064	0.0115	0.0096	0.0112	0.0052	0.0076	0.0046	0.0067
1878	0.0060	0.0075	0.0067	0.0064	0.0116	0.0097	0.0113	0.0052	0.0078	0.0047	0.0069
1877	0.0060	0.0075	0.0067	0.0065	0.0115	0.0098	0.0114	0.0052	0.0079	0.0048	0.0071
1876	0.0061	0.0076	0.0067	0.0067	0.0114	0.0099	0.0114	0.0053	0.0079	0.0049	0.0073

1875	0.0062	0.0076	0.0065	0.0069	0.0113	0.0099	0.0114	0.0053	0.0077	0.0049	0.0073
1874	0.0062	0.0075	0.0063	0.0068	0.0111	0.0098	0.0112	0.0053	0.0076	0.0047	0.0071
1873	0.0061	0.0074	0.0061	0.0066	0.0109	0.0096	0.0111	0.0052	0.0074	0.0046	0.0069
1872	0.0059	0.0073	0.0060	0.0063	0.0107	0.0095	0.0109	0.0050	0.0074	0.0045	0.0066
1871	0.0058	0.0072	0.0061	0.0062	0.0105	0.0093	0.0108	0.0048	0.0073	0.0044	0.0063
1870	0.0057	0.0071	0.0063	0.0062	0.0105	0.0092	0.0107	0.0048	0.0072	0.0043	0.0062
1869	0.0057	0.0071	0.0065	0.0064	0.0106	0.0093	0.0108	0.0048	0.0069	0.0044	0.0064
1868	0.0058	0.0072	0.0066	0.0066	0.0109	0.0094	0.0110	0.0050	0.0068	0.0046	0.0067
1867	0.0059	0.0072	0.0065	0.0067	0.0112	0.0095	0.0112	0.0051	0.0068	0.0048	0.0070
1866	0.0060	0.0072	0.0064	0.0067	0.0114	0.0095	0.0112	0.0051	0.0070	0.0049	0.0070
1865	0.0060	0.0071	0.0063	0.0066	0.0115	0.0094	0.0112	0.0051	0.0071	0.0050	0.0069
1864	0.0060	0.0071	0.0063	0.0066	0.0115	0.0094	0.0111	0.0050	0.0073	0.0050	0.0067
1863	0.0061	0.0071	0.0064	0.0066	0.0114	0.0094	0.0110	0.0050	0.0073	0.0049	0.0066
1862	0.0061	0.0071	0.0066	0.0067	0.0113	0.0095	0.0110	0.0051	0.0073	0.0048	0.0065
1861	0.0061	0.0071	0.0067	0.0067	0.0113	0.0096	0.0111	0.0052	0.0074	0.0047	0.0065
1860	0.0060	0.0072	0.0068	0.0066	0.0113	0.0098	0.0113	0.0054	0.0074	0.0047	0.0065
1859	0.0060	0.0073	0.0067	0.0066	0.0113	0.0099	0.0114	0.0054	0.0075	0.0047	0.0066
1858	0.0060	0.0074	0.0066	0.0066	0.0112	0.0099	0.0114	0.0054	0.0075	0.0047	0.0065
1857	0.0060	0.0075	0.0064	0.0067	0.0111	0.0098	0.0114	0.0054	0.0075	0.0047	0.0065
1856	0.0061	0.0076	0.0063	0.0068	0.0110	0.0097	0.0113	0.0053	0.0074	0.0047	0.0064
1855	0.0061	0.0076	0.0062	0.0068	0.0110	0.0096	0.0113	0.0052	0.0073	0.0048	0.0063
1854	0.0060	0.0076	0.0061	0.0067	0.0111	0.0096	0.0112	0.0052	0.0072	0.0048	0.0062
1853	0.0059	0.0077	0.0061	0.0066	0.0111	0.0097	0.0111	0.0052	0.0072	0.0047	0.0063
1852	0.0058	0.0077	0.0062	0.0066	0.0112	0.0097	0.0109	0.0052	0.0073	0.0047	0.0064
1851	0.0058	0.0076	0.0061	0.0067	0.0112	0.0096	0.0109	0.0052	0.0074	0.0048	0.0066
1850	0.0058	0.0075	0.0060	0.0068	0.0112	0.0095	0.0109	0.0050	0.0075	0.0048	0.0066
1849	0.0059	0.0075	0.0060	0.0069	0.0113	0.0094	0.0110	0.0049	0.0077	0.0050	0.0066
1848	0.0060	0.0075	0.0061	0.0069	0.0114	0.0095	0.0111	0.0048	0.0077	0.0051	0.0067
1847	0.0060	0.0074	0.0063	0.0069	0.0114	0.0096	0.0110	0.0048	0.0077	0.0051	0.0066
1846	0.0060	0.0073	0.0064	0.0068	0.0113	0.0097	0.0110	0.0047	0.0075	0.0050	0.0066
1845	0.0060	0.0072	0.0066	0.0066	0.0113	0.0098	0.0108	0.0047	0.0074	0.0048	0.0065
1844	0.0060	0.0072	0.0066	0.0065	0.0114	0.0099	0.0107	0.0047	0.0074	0.0047	0.0065
1843	0.0060	0.0072	0.0066	0.0065	0.0115	0.0099	0.0107	0.0048	0.0075	0.0047	0.0066
1842	0.0062	0.0072	0.0065	0.0066	0.0116	0.0098	0.0108	0.0051	0.0076	0.0048	0.0068
1841	0.0063	0.0074	0.0065	0.0067	0.0117	0.0099	0.0110	0.0055	0.0077	0.0051	0.0069
1840	0.0064	0.0076	0.0066	0.0068	0.0118	0.0099	0.0113	0.0057	0.0078	0.0053	0.0069
1839	0.0063	0.0077	0.0066	0.0068	0.0118	0.0099	0.0113	0.0057	0.0078	0.0053	0.0070
1838	0.0062	0.0077	0.0066	0.0068	0.0117	0.0097	0.0113	0.0056	0.0077	0.0053	0.0069
1837	0.0060	0.0076	0.0066	0.0067	0.0115	0.0095	0.0111	0.0054	0.0077	0.0051	0.0069
1836	0.0060	0.0076	0.0065	0.0067	0.0114	0.0095	0.0111	0.0053	0.0076	0.0050	0.0068
1835	0.0060	0.0076	0.0064	0.0067	0.0113	0.0095	0.0110	0.0053	0.0076	0.0050	0.0068
1834	0.0060	0.0076	0.0064	0.0067	0.0112	0.0096	0.0111	0.0053	0.0076	0.0049	0.0068
1833	0.0060	0.0075	0.0064	0.0068	0.0112	0.0098	0.0112	0.0054	0.0077	0.0049	0.0068
1832	0.0060	0.0076	0.0064	0.0069	0.0112	0.0099	0.0114	0.0055	0.0078	0.0049	0.0068

1831	0.0061	0.0077	0.0065	0.0070	0.0113	0.0100	0.0115	0.0056	0.0079	0.0050	0.0069
1830	0.0062	0.0078	0.0065	0.0070	0.0114	0.0101	0.0116	0.0057	0.0079	0.0052	0.0070
1829	0.0063	0.0079	0.0065	0.0070	0.0115	0.0102	0.0117	0.0058	0.0079	0.0053	0.0071
1828	0.0063	0.0080	0.0066	0.0070	0.0116	0.0102	0.0117	0.0059	0.0079	0.0054	0.0071
1827	0.0064	0.0081	0.0066	0.0070	0.0117	0.0102	0.0116	0.0059	0.0078	0.0054	0.0070
1826	0.0063	0.0081	0.0066	0.0070	0.0116	0.0101	0.0115	0.0059	0.0077	0.0053	0.0069
1825	0.0063	0.0081	0.0066	0.0071	0.0116	0.0100	0.0114	0.0058	0.0077	0.0052	0.0068
1824	0.0064	0.0081	0.0067	0.0072	0.0117	0.0101	0.0114	0.0058	0.0078	0.0052	0.0069
1823	0.0064	0.0081	0.0067	0.0072	0.0118	0.0103	0.0114	0.0057	0.0079	0.0052	0.0070
1822	0.0064	0.0080	0.0067	0.0072	0.0118	0.0103	0.0114	0.0056	0.0079	0.0052	0.0070
1821	0.0063	0.0080	0.0067	0.0070	0.0117	0.0102	0.0114	0.0056	0.0079	0.0051	0.0070
1820	0.0062	0.0079	0.0066	0.0069	0.0117	0.0102	0.0114	0.0056	0.0078	0.0051	0.0068
1819	0.0061	0.0078	0.0065	0.0068	0.0116	0.0101	0.0114	0.0056	0.0078	0.0052	0.0067
1818	0.0060	0.0077	0.0065	0.0068	0.0117	0.0101	0.0113	0.0056	0.0077	0.0051	0.0067
1817	0.0060	0.0077	0.0065	0.0069	0.0118	0.0101	0.0113	0.0056	0.0076	0.0051	0.0067
1816	0.0061	0.0077	0.0066	0.0070	0.0119	0.0102	0.0113	0.0056	0.0077	0.0052	0.0068
1815	0.0063	0.0078	0.0067	0.0071	0.0120	0.0103	0.0114	0.0057	0.0078	0.0053	0.0069
1814	0.0064	0.0079	0.0068	0.0073	0.0120	0.0104	0.0116	0.0057	0.0079	0.0053	0.0069
1813	0.0065	0.0079	0.0068	0.0073	0.0121	0.0104	0.0116	0.0057	0.0080	0.0053	0.0069
1812	0.0065	0.0079	0.0068	0.0072	0.0121	0.0104	0.0116	0.0057	0.0081	0.0053	0.0069
1811	0.0065	0.0080	0.0068	0.0072	0.0121	0.0104	0.0116	0.0057	0.0082	0.0052	0.0070
1810	0.0064	0.0081	0.0068	0.0072	0.0120	0.0105	0.0117	0.0058	0.0082	0.0053	0.0070
1809	0.0064	0.0081	0.0069	0.0073	0.0120	0.0105	0.0118	0.0059	0.0082	0.0054	0.0071
1808	0.0065	0.0082	0.0070	0.0074	0.0121	0.0106	0.0119	0.0060	0.0082	0.0055	0.0071
1807	0.0065	0.0083	0.0070	0.0075	0.0122	0.0107	0.0120	0.0061	0.0082	0.0055	0.0072
1806	0.0065	0.0083	0.0070	0.0074	0.0122	0.0107	0.0119	0.0060	0.0082	0.0055	0.0072
1805	0.0065	0.0083	0.0070	0.0074	0.0123	0.0108	0.0119	0.0060	0.0082	0.0055	0.0071
1804	0.0065	0.0083	0.0070	0.0074	0.0123	0.0108	0.0119	0.0060	0.0082	0.0055	0.0071
1803	0.0066	0.0083	0.0069	0.0075	0.0124	0.0108	0.0119	0.0060	0.0083	0.0055	0.0072
1802	0.0066	0.0084	0.0070	0.0076	0.0124	0.0108	0.0120	0.0060	0.0084	0.0056	0.0072
1801	0.0066	0.0084	0.0070	0.0077	0.0125	0.0109	0.0120	0.0061	0.0084	0.0057	0.0072
1800	0.0067	0.0084	0.0070	0.0077	0.0125	0.0110	0.0120	0.0061	0.0084	0.0058	0.0073
1799	0.0067	0.0084	0.0070	0.0078	0.0124	0.0111	0.0121	0.0061	0.0083	0.0058	0.0074
1798	0.0066	0.0083	0.0070	0.0077	0.0123	0.0111	0.0121	0.0061	0.0082	0.0057	0.0074
1797	0.0065	0.0082	0.0070	0.0076	0.0123	0.0110	0.0121	0.0060	0.0081	0.0055	0.0073
1796	0.0065	0.0082	0.0070	0.0076	0.0123	0.0110	0.0121	0.0060	0.0081	0.0054	0.0072
1795	0.0065	0.0082	0.0071	0.0076	0.0124	0.0110	0.0121	0.0059	0.0082	0.0054	0.0072
1794	0.0066	0.0083	0.0071	0.0077	0.0124	0.0110	0.0120	0.0059	0.0083	0.0055	0.0072
1793	0.0067	0.0084	0.0071	0.0078	0.0125	0.0111	0.0121	0.0060	0.0085	0.0055	0.0073
1792	0.0067	0.0086	0.0071	0.0079	0.0126	0.0111	0.0121	0.0061	0.0085	0.0056	0.0073
1791	0.0067	0.0087	0.0070	0.0080	0.0126	0.0112	0.0121	0.0062	0.0086	0.0057	0.0073
1790	0.0067	0.0087	0.0070	0.0080	0.0126	0.0112	0.0121	0.0063	0.0087	0.0057	0.0073
1789	0.0066	0.0087	0.0070	0.0080	0.0127	0.0112	0.0121	0.0063	0.0087	0.0057	0.0073
1788	0.0066	0.0088	0.0071	0.0080	0.0127	0.0111	0.0122	0.0063	0.0088	0.0057	0.0073

1787	0.0067	0.0088	0.0071	0.0080	0.0128	0.0112	0.0122	0.0063	0.0087	0.0057	0.0074
1786	0.0068	0.0088	0.0072	0.0080	0.0128	0.0112	0.0123	0.0063	0.0087	0.0058	0.0074
1785	0.0068	0.0088	0.0072	0.0080	0.0128	0.0113	0.0124	0.0064	0.0086	0.0059	0.0074
1784	0.0068	0.0088	0.0073	0.0080	0.0128	0.0114	0.0124	0.0064	0.0086	0.0059	0.0074
1783	0.0068	0.0088	0.0073	0.0080	0.0128	0.0114	0.0124	0.0064	0.0086	0.0059	0.0074
1782	0.0068	0.0088	0.0073	0.0081	0.0128	0.0114	0.0125	0.0064	0.0087	0.0059	0.0074
1781	0.0068	0.0089	0.0073	0.0081	0.0129	0.0115	0.0125	0.0064	0.0088	0.0059	0.0074
1780	0.0069	0.0090	0.0074	0.0082	0.0130	0.0116	0.0125	0.0065	0.0089	0.0060	0.0075
1779	0.0069	0.0090	0.0074	0.0083	0.0130	0.0117	0.0125	0.0066	0.0089	0.0060	0.0075
1778	0.0069	0.0090	0.0073	0.0083	0.0130	0.0117	0.0125	0.0066	0.0089	0.0059	0.0076
1777	0.0069	0.0090	0.0073	0.0082	0.0130	0.0117	0.0125	0.0066	0.0089	0.0059	0.0076
1776	0.0069	0.0089	0.0073	0.0082	0.0130	0.0117	0.0125	0.0066	0.0089	0.0060	0.0076
1775	0.0068	0.0089	0.0073	0.0082	0.0130	0.0117	0.0125	0.0066	0.0090	0.0060	0.0076
1774	0.0068	0.0089	0.0074	0.0082	0.0131	0.0116	0.0125	0.0066	0.0091	0.0061	0.0076
1773	0.0068	0.0089	0.0075	0.0081	0.0131	0.0117	0.0125	0.0066	0.0091	0.0061	0.0077
1772	0.0068	0.0090	0.0075	0.0081	0.0132	0.0118	0.0126	0.0066	0.0091	0.0062	0.0078
1771	0.0069	0.0091	0.0076	0.0082	0.0133	0.0119	0.0127	0.0067	0.0091	0.0063	0.0079
1770	0.0069	0.0092	0.0076	0.0083	0.0134	0.0120	0.0129	0.0067	0.0092	0.0063	0.0079
1769	0.0070	0.0092	0.0077	0.0084	0.0135	0.0121	0.0130	0.0068	0.0093	0.0064	0.0079
1768	0.0071	0.0093	0.0077	0.0084	0.0136	0.0121	0.0131	0.0069	0.0093	0.0065	0.0080
1767	0.0071	0.0094	0.0077	0.0085	0.0137	0.0121	0.0131	0.0070	0.0094	0.0065	0.0080
1766	0.0071	0.0094	0.0077	0.0085	0.0137	0.0121	0.0131	0.0070	0.0095	0.0065	0.0080
1765	0.0071	0.0094	0.0077	0.0086	0.0137	0.0122	0.0131	0.0070	0.0095	0.0065	0.0080
1764	0.0071	0.0094	0.0078	0.0086	0.0138	0.0123	0.0132	0.0070	0.0096	0.0064	0.0080
1763	0.0071	0.0094	0.0078	0.0086	0.0138	0.0124	0.0133	0.0071	0.0096	0.0064	0.0080
1762	0.0072	0.0095	0.0079	0.0087	0.0139	0.0124	0.0133	0.0072	0.0096	0.0065	0.0080
1761	0.0072	0.0097	0.0079	0.0088	0.0139	0.0125	0.0134	0.0073	0.0096	0.0065	0.0081
1760	0.0073	0.0098	0.0080	0.0089	0.0140	0.0126	0.0135	0.0074	0.0097	0.0066	0.0082
1759	0.0073	0.0098	0.0080	0.0090	0.0140	0.0126	0.0136	0.0075	0.0098	0.0066	0.0082
1758	0.0073	0.0099	0.0080	0.0089	0.0140	0.0126	0.0136	0.0075	0.0099	0.0066	0.0081
1757	0.0073	0.0099	0.0080	0.0089	0.0141	0.0127	0.0137	0.0075	0.0099	0.0066	0.0081
1756	0.0073	0.0100	0.0081	0.0090	0.0142	0.0128	0.0138	0.0075	0.0100	0.0066	0.0081
1755	0.0074	0.0100	0.0082	0.0090	0.0143	0.0129	0.0140	0.0076	0.0100	0.0068	0.0082
1754	0.0074	0.0101	0.0082	0.0091	0.0145	0.0130	0.0142	0.0076	0.0101	0.0068	0.0082
1753	0.0074	0.0101	0.0081	0.0092	0.0146	0.0131	0.0143	0.0077	0.0102	0.0069	0.0082
1752	0.0074	0.0102	0.0081	0.0092	0.0147	0.0132	0.0145	0.0078	0.0103	0.0069	0.0082
1751	0.0074	0.0104	0.0081	0.0093	0.0148	0.0133	0.0146	0.0078	0.0104	0.0070	0.0083
1750	0.0075	0.0105	0.0082	0.0093	0.0149	0.0134	0.0148	0.0079	0.0105	0.0070	0.0084
1749	0.0075	0.0107	0.0084	0.0093	0.0150	0.0135	0.0149	0.0080	0.0106	0.0071	0.0085
1748	0.0076	0.0108	0.0085	0.0094	0.0152	0.0136	0.0151	0.0081	0.0108	0.0072	0.0086
1747	0.0076	0.0110	0.0086	0.0094	0.0154	0.0137	0.0154	0.0082	0.0109	0.0073	0.0087
1746	0.0076	0.0111	0.0086	0.0095	0.0156	0.0138	0.0156	0.0082	0.0110	0.0073	0.0087
1745	0.0076	0.0113	0.0086	0.0095	0.0158	0.0139	0.0160	0.0083	0.0111	0.0074	0.0088
1744	0.0077	0.0114	0.0087	0.0096	0.0160	0.0140	0.0164	0.0083	0.0112	0.0074	0.0089

1743	0.0077	0.0117	0.0088	0.0097	0.0163	0.0141	0.0168	0.0084	0.0112	0.0074	0.0090
1742	0.0077	0.0119	0.0090	0.0097	0.0166	0.0142	0.0173	0.0085	0.0113	0.0075	0.0091
1741	0.0077	0.0121	0.0091	0.0098	0.0169	0.0143	0.0176	0.0085	0.0114	0.0075	0.0092
1740	0.0077	0.0123	0.0092	0.0098	0.0171	0.0144	0.0178	0.0085	0.0114	0.0076	0.0093
1739	0.0077	0.0124	0.0093	0.0099	0.0172	0.0145	0.0179	0.0085	0.0114	0.0076	0.0094
1738	0.0077	0.0125	0.0094	0.0100	0.0172	0.0145	0.0179	0.0086	0.0115	0.0077	0.0095
1737	0.0077	0.0126	0.0094	0.0100	0.0173	0.0146	0.0179	0.0086	0.0115	0.0077	0.0096
1736	0.0078	0.0126	0.0095	0.0102	0.0174	0.0147	0.0180	0.0087	0.0117	0.0078	0.0097
1735	0.0078	0.0127	0.0097	0.0103	0.0177	0.0148	0.0183	0.0088	0.0117	0.0080	0.0098
1734	0.0078	0.0127	0.0098	0.0103	0.0180	0.0148	0.0188	0.0089	0.0117	0.0080	0.0099
1733	0.0078	0.0127	0.0099	0.0104	0.0183	0.0148	0.0194	0.0089	0.0117	0.0081	0.0101
1732	0.0078	0.0128	0.0099	0.0104	0.0186	0.0149	0.0200	0.0089	0.0118	0.0081	0.0102
1731	0.0078	0.0129	0.0100	0.0104	0.0189	0.0149	0.0205	0.0089	0.0118	0.0081	0.0103
1730	0.0078	0.0130	0.0100	0.0104	0.0190	0.0148	0.0206	0.0089	0.0119	0.0082	0.0104
1729	0.0078	0.0130	0.0100	0.0104	0.0189	0.0148	0.0204	0.0089	0.0119	0.0082	0.0103
1728	0.0078	0.0131	0.0100	0.0104	0.0186	0.0148	0.0198	0.0089	0.0119	0.0082	0.0102
1727	0.0078	0.0131	0.0100	0.0105	0.0182	0.0149	0.0192	0.0089	0.0119	0.0083	0.0101
1726	0.0078	0.0132	0.0100	0.0105	0.0178	0.0149	0.0186	0.0089	0.0118	0.0084	0.0100
1725	0.0078	0.0132	0.0100	0.0106	0.0175	0.0150	0.0181	0.0089	0.0119	0.0084	0.0100
1724	0.0079	0.0133	0.0100	0.0106	0.0173	0.0150	0.0178	0.0089	0.0119	0.0085	0.0100
1723	0.0079	0.0133	0.0100	0.0107	0.0172	0.0151	0.0175	0.0089	0.0119	0.0086	0.0099
1722	0.0080	0.0134	0.0100	0.0108	0.0172	0.0151	0.0174	0.0090	0.0119	0.0087	0.0099
1721	0.0080	0.0134	0.0100	0.0108	0.0171	0.0151	0.0173	0.0090	0.0119	0.0087	0.0099
1720	0.0080	0.0134	0.0100	0.0108	0.0171	0.0151	0.0172	0.0090	0.0119	0.0087	0.0099
1719	0.0080	0.0134	0.0100	0.0108	0.0171	0.0151	0.0172	0.0091	0.0119	0.0086	0.0100
1718	0.0080	0.0135	0.0100	0.0108	0.0171	0.0152	0.0172	0.0092	0.0119	0.0086	0.0100
1717	0.0081	0.0135	0.0101	0.0107	0.0170	0.0152	0.0170	0.0094	0.0119	0.0087	0.0101
1716	0.0081	0.0135	0.0101	0.0108	0.0169	0.0153	0.0170	0.0094	0.0119	0.0088	0.0101
1715	0.0082	0.0136	0.0102	0.0108	0.0169	0.0153	0.0170	0.0094	0.0120	0.0089	0.0101
1714	0.0082	0.0137	0.0103	0.0109	0.0168	0.0153	0.0170	0.0094	0.0122	0.0090	0.0101
1713	0.0082	0.0137	0.0103	0.0109	0.0168	0.0154	0.0170	0.0094	0.0122	0.0091	0.0102
1712	0.0082	0.0138	0.0104	0.0110	0.0169	0.0155	0.0170	0.0095	0.0122	0.0092	0.0103
1711	0.0082	0.0139	0.0104	0.0111	0.0169	0.0155	0.0170	0.0095	0.0122	0.0092	0.0103
1710	0.0082	0.0139	0.0104	0.0111	0.0170	0.0156	0.0169	0.0095	0.0122	0.0092	0.0103
1709	0.0082	0.0140	0.0104	0.0111	0.0170	0.0156	0.0168	0.0095	0.0122	0.0092	0.0103
1708	0.0082	0.0140	0.0104	0.0111	0.0171	0.0156	0.0168	0.0094	0.0122	0.0092	0.0102
1707	0.0082	0.0140	0.0104	0.0112	0.0171	0.0157	0.0168	0.0094	0.0122	0.0092	0.0102
1706	0.0083	0.0141	0.0104	0.0113	0.0172	0.0158	0.0168	0.0095	0.0123	0.0093	0.0102
1705	0.0084	0.0141	0.0106	0.0114	0.0173	0.0160	0.0169	0.0096	0.0123	0.0094	0.0103
1704	0.0085	0.0142	0.0107	0.0116	0.0175	0.0162	0.0171	0.0097	0.0124	0.0096	0.0104
1703	0.0085	0.0143	0.0107	0.0118	0.0176	0.0163	0.0172	0.0097	0.0125	0.0097	0.0105
1702	0.0086	0.0143	0.0107	0.0118	0.0177	0.0164	0.0172	0.0098	0.0126	0.0098	0.0106
1701	0.0086	0.0143	0.0107	0.0119	0.0178	0.0164	0.0172	0.0099	0.0126	0.0099	0.0106
1700	0.0087	0.0144	0.0108	0.0119	0.0178	0.0166	0.0173	0.0100	0.0126	0.0099	0.0108

1699	0.0088	0.0144	0.0108	0.0120	0.0179	0.0167	0.0174	0.0102	0.0127	0.0100	0.0109
1698	0.0088	0.0145	0.0108	0.0120	0.0180	0.0168	0.0175	0.0102	0.0129	0.0101	0.0109
1697	0.0088	0.0145	0.0109	0.0121	0.0181	0.0169	0.0176	0.0102	0.0130	0.0101	0.0109
1696	0.0089	0.0146	0.0110	0.0123	0.0183	0.0170	0.0177	0.0103	0.0132	0.0103	0.0110
1695	0.0090	0.0148	0.0112	0.0126	0.0186	0.0173	0.0178	0.0103	0.0133	0.0105	0.0111
1694	0.0090	0.0150	0.0113	0.0128	0.0187	0.0175	0.0179	0.0105	0.0133	0.0107	0.0113
1693	0.0091	0.0152	0.0114	0.0129	0.0189	0.0177	0.0180	0.0106	0.0134	0.0108	0.0113
1692	0.0091	0.0153	0.0115	0.0130	0.0191	0.0179	0.0182	0.0107	0.0135	0.0109	0.0114
1691	0.0092	0.0155	0.0116	0.0131	0.0193	0.0180	0.0183	0.0108	0.0136	0.0110	0.0115
1690	0.0093	0.0156	0.0116	0.0133	0.0195	0.0183	0.0184	0.0110	0.0137	0.0112	0.0117
1689	0.0093	0.0157	0.0117	0.0135	0.0198	0.0185	0.0186	0.0112	0.0138	0.0113	0.0118
1688	0.0094	0.0159	0.0119	0.0137	0.0200	0.0188	0.0188	0.0113	0.0140	0.0114	0.0120
1687	0.0094	0.0160	0.0119	0.0139	0.0202	0.0190	0.0190	0.0113	0.0143	0.0116	0.0121
1686	0.0095	0.0162	0.0120	0.0140	0.0205	0.0192	0.0191	0.0113	0.0145	0.0117	0.0121
1685	0.0096	0.0164	0.0121	0.0141	0.0207	0.0194	0.0192	0.0114	0.0146	0.0118	0.0122
1684	0.0098	0.0166	0.0122	0.0144	0.0209	0.0197	0.0194	0.0116	0.0147	0.0119	0.0123
1683	0.0099	0.0168	0.0124	0.0146	0.0211	0.0200	0.0195	0.0118	0.0148	0.0122	0.0125
1682	0.0101	0.0170	0.0125	0.0149	0.0213	0.0202	0.0196	0.0120	0.0149	0.0124	0.0127
1681	0.0102	0.0172	0.0126	0.0151	0.0215	0.0205	0.0199	0.0121	0.0150	0.0126	0.0128
1680	0.0103	0.0174	0.0128	0.0153	0.0218	0.0208	0.0201	0.0123	0.0152	0.0128	0.0129
1679	0.0104	0.0176	0.0129	0.0155	0.0221	0.0211	0.0203	0.0124	0.0154	0.0131	0.0131
1678	0.0104	0.0178	0.0130	0.0156	0.0223	0.0214	0.0205	0.0125	0.0157	0.0132	0.0132
1677	0.0105	0.0179	0.0131	0.0158	0.0225	0.0216	0.0207	0.0127	0.0159	0.0134	0.0133
1676	0.0106	0.0181	0.0132	0.0159	0.0228	0.0219	0.0208	0.0128	0.0161	0.0136	0.0136
1675	0.0108	0.0183	0.0134	0.0162	0.0230	0.0222	0.0210	0.0130	0.0163	0.0138	0.0138
1674	0.0110	0.0185	0.0135	0.0164	0.0232	0.0224	0.0212	0.0132	0.0164	0.0141	0.0140
1673	0.0111	0.0187	0.0137	0.0166	0.0235	0.0227	0.0215	0.0133	0.0165	0.0143	0.0142
1672	0.0112	0.0189	0.0138	0.0168	0.0237	0.0230	0.0217	0.0135	0.0167	0.0145	0.0143
1671	0.0113	0.0192	0.0139	0.0170	0.0240	0.0232	0.0219	0.0136	0.0169	0.0147	0.0144
1670	0.0114	0.0194	0.0141	0.0172	0.0242	0.0234	0.0221	0.0138	0.0170	0.0149	0.0145
1669	0.0116	0.0196	0.0142	0.0174	0.0245	0.0237	0.0223	0.0139	0.0172	0.0152	0.0147
1668	0.0117	0.0198	0.0143	0.0176	0.0248	0.0240	0.0225	0.0140	0.0174	0.0154	0.0149
1667	0.0118	0.0200	0.0145	0.0178	0.0250	0.0242	0.0227	0.0141	0.0176	0.0156	0.0151
1666	0.0119	0.0202	0.0146	0.0180	0.0252	0.0244	0.0229	0.0142	0.0177	0.0158	0.0153
1665	0.0120	0.0204	0.0147	0.0181	0.0254	0.0247	0.0231	0.0144	0.0179	0.0160	0.0155
1664	0.0122	0.0207	0.0149	0.0183	0.0257	0.0249	0.0233	0.0145	0.0181	0.0162	0.0157
1663	0.0123	0.0210	0.0151	0.0185	0.0259	0.0252	0.0235	0.0147	0.0182	0.0164	0.0159
1662	0.0124	0.0211	0.0152	0.0187	0.0261	0.0254	0.0236	0.0149	0.0183	0.0165	0.0160
1661	0.0125	0.0212	0.0153	0.0189	0.0263	0.0256	0.0238	0.0150	0.0185	0.0167	0.0161
1660	0.0126	0.0214	0.0154	0.0191	0.0265	0.0258	0.0239	0.0151	0.0186	0.0168	0.0162
1659	0.0127	0.0215	0.0155	0.0193	0.0267	0.0260	0.0241	0.0152	0.0188	0.0170	0.0164
1658	0.0127	0.0216	0.0156	0.0195	0.0269	0.0262	0.0243	0.0154	0.0189	0.0171	0.0165
1657	0.0128	0.0218	0.0157	0.0196	0.0271	0.0265	0.0245	0.0155	0.0190	0.0172	0.0166
1656	0.0129	0.0219	0.0159	0.0198	0.0273	0.0267	0.0248	0.0156	0.0192	0.0174	0.0168

1655	0.0129	0.0221	0.0160	0.0199	0.0275	0.0269	0.0250	0.0156	0.0194	0.0175	0.0169
1654	0.0130	0.0223	0.0161	0.0200	0.0276	0.0270	0.0251	0.0156	0.0195	0.0176	0.0169
1653	0.0130	0.0224	0.0162	0.0201	0.0277	0.0272	0.0252	0.0157	0.0196	0.0176	0.0169
1652	0.0132	0.0226	0.0162	0.0203	0.0278	0.0275	0.0252	0.0158	0.0197	0.0177	0.0170
1651	0.0134	0.0228	0.0163	0.0205	0.0280	0.0277	0.0253	0.0160	0.0197	0.0179	0.0172
1650	0.0135	0.0229	0.0164	0.0206	0.0281	0.0280	0.0255	0.0161	0.0198	0.0181	0.0174
1649	0.0136	0.0231	0.0165	0.0208	0.0283	0.0281	0.0256	0.0163	0.0199	0.0183	0.0175
1648	0.0137	0.0232	0.0166	0.0208	0.0285	0.0282	0.0257	0.0164	0.0200	0.0184	0.0176
1647	0.0137	0.0232	0.0166	0.0208	0.0286	0.0283	0.0258	0.0165	0.0200	0.0185	0.0176
1646	0.0137	0.0232	0.0166	0.0208	0.0286	0.0283	0.0258	0.0165	0.0201	0.0185	0.0176
1645	0.0137	0.0232	0.0165	0.0209	0.0286	0.0283	0.0258	0.0164	0.0201	0.0186	0.0176
1644	0.0137	0.0232	0.0165	0.0209	0.0286	0.0283	0.0258	0.0164	0.0201	0.0186	0.0176
1643	0.0138	0.0232	0.0165	0.0210	0.0287	0.0284	0.0258	0.0164	0.0202	0.0187	0.0177
1642	0.0138	0.0233	0.0166	0.0210	0.0287	0.0284	0.0259	0.0164	0.0202	0.0187	0.0177
1641	0.0139	0.0233	0.0166	0.0211	0.0288	0.0285	0.0259	0.0164	0.0203	0.0187	0.0177
1640	0.0139	0.0234	0.0167	0.0211	0.0288	0.0285	0.0259	0.0164	0.0203	0.0188	0.0178
1639	0.0139	0.0234	0.0167	0.0212	0.0289	0.0286	0.0260	0.0165	0.0204	0.0189	0.0178
1638	0.0139	0.0235	0.0167	0.0212	0.0289	0.0287	0.0260	0.0166	0.0205	0.0190	0.0178
1637	0.0139	0.0235	0.0167	0.0211	0.0289	0.0287	0.0259	0.0166	0.0205	0.0190	0.0178
1636	0.0139	0.0234	0.0167	0.0210	0.0288	0.0285	0.0258	0.0166	0.0203	0.0189	0.0178
1635	0.0139	0.0233	0.0166	0.0209	0.0286	0.0284	0.0257	0.0166	0.0202	0.0187	0.0177
1634	0.0139	0.0232	0.0165	0.0209	0.0284	0.0282	0.0256	0.0164	0.0200	0.0185	0.0175
1633	0.0138	0.0231	0.0164	0.0208	0.0283	0.0281	0.0256	0.0163	0.0200	0.0184	0.0174
1632	0.0138	0.0230	0.0164	0.0208	0.0282	0.0280	0.0256	0.0162	0.0200	0.0183	0.0173
1631	0.0137	0.0229	0.0163	0.0207	0.0281	0.0279	0.0255	0.0161	0.0199	0.0182	0.0173
1630	0.0137	0.0229	0.0163	0.0205	0.0280	0.0278	0.0254	0.0161	0.0199	0.0181	0.0172
1629	0.0136	0.0227	0.0162	0.0204	0.0279	0.0276	0.0252	0.0160	0.0197	0.0179	0.0170
1628	0.0135	0.0226	0.0161	0.0202	0.0277	0.0274	0.0251	0.0159	0.0196	0.0177	0.0169
1627	0.0135	0.0224	0.0160	0.0200	0.0275	0.0273	0.0249	0.0157	0.0194	0.0176	0.0168
1626	0.0134	0.0223	0.0159	0.0199	0.0274	0.0271	0.0247	0.0156	0.0193	0.0174	0.0167
1625	0.0133	0.0221	0.0158	0.0197	0.0272	0.0270	0.0245	0.0155	0.0193	0.0172	0.0166
1624	0.0132	0.0219	0.0156	0.0195	0.0269	0.0267	0.0242	0.0153	0.0191	0.0170	0.0164
1623	0.0132	0.0216	0.0155	0.0193	0.0266	0.0265	0.0239	0.0152	0.0189	0.0168	0.0161
1622	0.0131	0.0213	0.0153	0.0192	0.0263	0.0262	0.0237	0.0150	0.0187	0.0166	0.0159
1621	0.0130	0.0211	0.0153	0.0190	0.0261	0.0261	0.0236	0.0149	0.0185	0.0164	0.0157
1620	0.0129	0.0210	0.0152	0.0189	0.0259	0.0259	0.0235	0.0148	0.0184	0.0163	0.0156
1619	0.0128	0.0208	0.0152	0.0188	0.0258	0.0257	0.0234	0.0147	0.0182	0.0161	0.0154
1618	0.0126	0.0205	0.0150	0.0185	0.0255	0.0254	0.0232	0.0145	0.0180	0.0158	0.0152
1617	0.0125	0.0202	0.0148	0.0182	0.0251	0.0250	0.0228	0.0142	0.0178	0.0155	0.0149
1616	0.0123	0.0199	0.0145	0.0179	0.0248	0.0247	0.0225	0.0140	0.0176	0.0152	0.0146
1615	0.0122	0.0196	0.0143	0.0177	0.0245	0.0245	0.0222	0.0139	0.0174	0.0149	0.0144
1614	0.0122	0.0194	0.0141	0.0176	0.0243	0.0243	0.0221	0.0138	0.0172	0.0147	0.0143
1613	0.0121	0.0192	0.0140	0.0175	0.0241	0.0241	0.0219	0.0137	0.0171	0.0146	0.0142
1612	0.0120	0.0190	0.0138	0.0173	0.0239	0.0239	0.0218	0.0135	0.0170	0.0144	0.0140

1611	0.0120	0.0188	0.0137	0.0172	0.0237	0.0237	0.0216	0.0134	0.0169	0.0143	0.0139
1610	0.0119	0.0186	0.0136	0.0170	0.0235	0.0234	0.0213	0.0132	0.0168	0.0141	0.0137
1609	0.0118	0.0184	0.0135	0.0168	0.0232	0.0232	0.0211	0.0131	0.0166	0.0139	0.0135
1608	0.0118	0.0182	0.0134	0.0166	0.0230	0.0230	0.0209	0.0129	0.0164	0.0137	0.0133
1607	0.0117	0.0180	0.0132	0.0165	0.0228	0.0228	0.0207	0.0128	0.0163	0.0136	0.0132
1606	0.0116	0.0178	0.0131	0.0163	0.0226	0.0226	0.0206	0.0126	0.0161	0.0134	0.0130
1605	0.0115	0.0176	0.0130	0.0161	0.0223	0.0223	0.0204	0.0125	0.0160	0.0133	0.0129
1604	0.0114	0.0174	0.0128	0.0160	0.0221	0.0221	0.0202	0.0124	0.0158	0.0131	0.0127
1603	0.0113	0.0172	0.0127	0.0158	0.0219	0.0219	0.0200	0.0123	0.0156	0.0129	0.0126
1602	0.0112	0.0170	0.0126	0.0156	0.0216	0.0217	0.0198	0.0122	0.0155	0.0127	0.0125
1601	0.0111	0.0168	0.0125	0.0155	0.0214	0.0214	0.0196	0.0121	0.0153	0.0125	0.0123
1600	0.0111	0.0166	0.0123	0.0153	0.0213	0.0212	0.0194	0.0120	0.0152	0.0124	0.0121
1599	0.0110	0.0164	0.0122	0.0152	0.0211	0.0211	0.0193	0.0118	0.0151	0.0122	0.0120
1598	0.0109	0.0163	0.0121	0.0150	0.0210	0.0209	0.0192	0.0117	0.0150	0.0121	0.0119
1597	0.0109	0.0162	0.0120	0.0149	0.0208	0.0207	0.0191	0.0117	0.0149	0.0120	0.0119
1596	0.0109	0.0160	0.0119	0.0148	0.0207	0.0205	0.0190	0.0116	0.0148	0.0120	0.0118
1595	0.0108	0.0159	0.0118	0.0146	0.0205	0.0204	0.0189	0.0115	0.0147	0.0119	0.0118
1594	0.0108	0.0157	0.0118	0.0145	0.0204	0.0202	0.0188	0.0114	0.0146	0.0118	0.0117
1593	0.0107	0.0156	0.0117	0.0143	0.0203	0.0201	0.0186	0.0113	0.0145	0.0117	0.0117
1592	0.0107	0.0154	0.0116	0.0142	0.0201	0.0199	0.0185	0.0112	0.0144	0.0116	0.0116
1591	0.0106	0.0153	0.0115	0.0142	0.0200	0.0198	0.0183	0.0111	0.0143	0.0115	0.0115
1590	0.0105	0.0152	0.0114	0.0141	0.0199	0.0196	0.0182	0.0111	0.0142	0.0114	0.0114
1589	0.0104	0.0151	0.0113	0.0140	0.0197	0.0195	0.0181	0.0110	0.0141	0.0113	0.0113
1588	0.0104	0.0150	0.0112	0.0139	0.0196	0.0193	0.0180	0.0109	0.0140	0.0112	0.0112
1587	0.0103	0.0149	0.0111	0.0138	0.0194	0.0192	0.0179	0.0109	0.0139	0.0111	0.0112
1586	0.0102	0.0148	0.0110	0.0137	0.0193	0.0190	0.0177	0.0108	0.0138	0.0110	0.0112
1585	0.0102	0.0147	0.0110	0.0136	0.0192	0.0189	0.0176	0.0107	0.0137	0.0110	0.0111
1584	0.0102	0.0146	0.0109	0.0135	0.0191	0.0188	0.0175	0.0106	0.0136	0.0109	0.0111
1583	0.0101	0.0145	0.0109	0.0135	0.0190	0.0187	0.0174	0.0105	0.0135	0.0109	0.0110
1582	0.0100	0.0144	0.0108	0.0133	0.0189	0.0186	0.0173	0.0105	0.0134	0.0108	0.0110
1581	0.0100	0.0144	0.0108	0.0133	0.0188	0.0185	0.0173	0.0104	0.0134	0.0107	0.0109
1580	0.0100	0.0144	0.0108	0.0132	0.0188	0.0185	0.0173	0.0103	0.0133	0.0107	0.0109
1579	0.0099	0.0143	0.0108	0.0131	0.0188	0.0184	0.0173	0.0103	0.0133	0.0107	0.0110
1578	0.0098	0.0142	0.0108	0.0130	0.0187	0.0183	0.0173	0.0102	0.0133	0.0106	0.0109
1577	0.0098	0.0141	0.0107	0.0129	0.0186	0.0182	0.0172	0.0101	0.0133	0.0106	0.0109
1576	0.0097	0.0141	0.0107	0.0128	0.0185	0.0180	0.0171	0.0101	0.0132	0.0105	0.0109
1575	0.0097	0.0140	0.0106	0.0128	0.0183	0.0180	0.0169	0.0101	0.0131	0.0104	0.0109
1574	0.0097	0.0140	0.0106	0.0128	0.0182	0.0179	0.0169	0.0101	0.0130	0.0104	0.0109
1573	0.0097	0.0140	0.0105	0.0128	0.0182	0.0179	0.0168	0.0101	0.0129	0.0104	0.0109
1572	0.0096	0.0140	0.0104	0.0128	0.0182	0.0179	0.0168	0.0101	0.0129	0.0104	0.0109
1571	0.0096	0.0139	0.0104	0.0127	0.0181	0.0178	0.0167	0.0101	0.0129	0.0104	0.0108
1570	0.0095	0.0139	0.0103	0.0126	0.0180	0.0177	0.0166	0.0101	0.0128	0.0104	0.0108
1569	0.0094	0.0138	0.0103	0.0126	0.0180	0.0176	0.0166	0.0101	0.0127	0.0104	0.0109
1568	0.0094	0.0138	0.0103	0.0125	0.0179	0.0176	0.0166	0.0100	0.0127	0.0103	0.0109

1567	0.0094	0.0137	0.0103	0.0125	0.0178	0.0175	0.0165	0.0100	0.0127	0.0103	0.0109
1566	0.0093	0.0137	0.0102	0.0125	0.0178	0.0175	0.0165	0.0099	0.0127	0.0103	0.0108
1565	0.0093	0.0137	0.0102	0.0124	0.0177	0.0174	0.0165	0.0099	0.0127	0.0103	0.0108
1564	0.0093	0.0137	0.0103	0.0124	0.0178	0.0174	0.0166	0.0099	0.0126	0.0103	0.0108
1563	0.0092	0.0137	0.0103	0.0125	0.0178	0.0174	0.0166	0.0099	0.0126	0.0103	0.0109
1562	0.0092	0.0136	0.0103	0.0125	0.0179	0.0174	0.0167	0.0098	0.0127	0.0103	0.0109
1561	0.0092	0.0136	0.0102	0.0125	0.0180	0.0174	0.0167	0.0098	0.0128	0.0102	0.0109
1560	0.0092	0.0137	0.0102	0.0125	0.0180	0.0175	0.0166	0.0099	0.0128	0.0103	0.0110
1559	0.0091	0.0137	0.0102	0.0124	0.0180	0.0174	0.0165	0.0099	0.0126	0.0103	0.0110
1558	0.0090	0.0137	0.0102	0.0124	0.0178	0.0174	0.0164	0.0099	0.0124	0.0103	0.0110
1557	0.0090	0.0136	0.0102	0.0124	0.0176	0.0174	0.0164	0.0099	0.0124	0.0103	0.0110
1556	0.0091	0.0136	0.0103	0.0124	0.0176	0.0173	0.0164	0.0100	0.0124	0.0103	0.0110
1555	0.0091	0.0136	0.0103	0.0124	0.0176	0.0173	0.0165	0.0100	0.0125	0.0103	0.0110
1554	0.0091	0.0136	0.0103	0.0124	0.0176	0.0172	0.0165	0.0100	0.0125	0.0103	0.0110
1553	0.0091	0.0136	0.0103	0.0124	0.0176	0.0172	0.0165	0.0100	0.0125	0.0103	0.0111
1552	0.0091	0.0136	0.0103	0.0124	0.0177	0.0173	0.0165	0.0100	0.0125	0.0103	0.0111
1551	0.0091	0.0136	0.0103	0.0124	0.0177	0.0173	0.0165	0.0100	0.0125	0.0103	0.0111
1550	0.0091	0.0136	0.0103	0.0124	0.0177	0.0173	0.0165	0.0099	0.0125	0.0103	0.0111
1549	0.0090	0.0136	0.0103	0.0124	0.0177	0.0173	0.0165	0.0099	0.0124	0.0103	0.0111
1548	0.0089	0.0136	0.0103	0.0124	0.0177	0.0173	0.0165	0.0099	0.0124	0.0103	0.0110
1547	0.0089	0.0137	0.0103	0.0124	0.0177	0.0173	0.0165	0.0099	0.0124	0.0103	0.0110
1546	0.0089	0.0136	0.0103	0.0124	0.0177	0.0173	0.0165	0.0099	0.0124	0.0103	0.0110
1545	0.0089	0.0136	0.0103	0.0124	0.0177	0.0173	0.0165	0.0099	0.0124	0.0103	0.0110
1544	0.0089	0.0136	0.0103	0.0124	0.0178	0.0173	0.0165	0.0099	0.0123	0.0103	0.0110
1543	0.0089	0.0137	0.0103	0.0124	0.0178	0.0174	0.0165	0.0099	0.0123	0.0103	0.0111
1542	0.0089	0.0137	0.0103	0.0124	0.0179	0.0174	0.0166	0.0099	0.0124	0.0103	0.0111
1541	0.0089	0.0137	0.0103	0.0124	0.0178	0.0174	0.0167	0.0099	0.0124	0.0103	0.0111
1540	0.0088	0.0137	0.0104	0.0124	0.0177	0.0173	0.0167	0.0099	0.0124	0.0102	0.0111
1539	0.0088	0.0136	0.0104	0.0124	0.0176	0.0172	0.0166	0.0099	0.0124	0.0102	0.0111
1538	0.0088	0.0136	0.0104	0.0124	0.0176	0.0172	0.0165	0.0099	0.0123	0.0102	0.0111
1537	0.0088	0.0136	0.0104	0.0124	0.0177	0.0172	0.0165	0.0099	0.0123	0.0103	0.0111
1536	0.0088	0.0136	0.0104	0.0124	0.0177	0.0172	0.0165	0.0099	0.0123	0.0103	0.0111
1535	0.0088	0.0136	0.0104	0.0124	0.0178	0.0172	0.0166	0.0100	0.0124	0.0103	0.0111
1534	0.0088	0.0137	0.0104	0.0124	0.0178	0.0172	0.0166	0.0100	0.0124	0.0103	0.0111
1533	0.0088	0.0137	0.0104	0.0124	0.0178	0.0172	0.0166	0.0100	0.0124	0.0104	0.0111
1532	0.0088	0.0137	0.0105	0.0125	0.0178	0.0172	0.0166	0.0101	0.0124	0.0104	0.0112
1531	0.0088	0.0138	0.0105	0.0125	0.0179	0.0173	0.0167	0.0101	0.0124	0.0104	0.0112
1530	0.0088	0.0138	0.0106	0.0125	0.0179	0.0173	0.0167	0.0101	0.0125	0.0104	0.0112
1529	0.0089	0.0137	0.0106	0.0126	0.0180	0.0174	0.0168	0.0101	0.0125	0.0104	0.0112
1528	0.0089	0.0137	0.0106	0.0126	0.0180	0.0174	0.0169	0.0102	0.0126	0.0104	0.0112
1527	0.0089	0.0137	0.0107	0.0127	0.0181	0.0175	0.0170	0.0102	0.0126	0.0105	0.0112
1526	0.0089	0.0138	0.0107	0.0127	0.0181	0.0175	0.0170	0.0103	0.0125	0.0105	0.0112
1525	0.0089	0.0138	0.0106	0.0127	0.0181	0.0175	0.0170	0.0103	0.0125	0.0105	0.0112
1524	0.0089	0.0138	0.0106	0.0127	0.0182	0.0176	0.0170	0.0103	0.0126	0.0105	0.0112

1523	0.0089	0.0138	0.0106	0.0127	0.0183	0.0176	0.0170	0.0103	0.0126	0.0105	0.0112
1522	0.0089	0.0138	0.0107	0.0127	0.0183	0.0176	0.0171	0.0103	0.0126	0.0105	0.0112
1521	0.0089	0.0138	0.0108	0.0127	0.0183	0.0177	0.0172	0.0104	0.0127	0.0105	0.0113
1520	0.0090	0.0139	0.0109	0.0128	0.0184	0.0178	0.0172	0.0104	0.0127	0.0106	0.0113
1519	0.0090	0.0139	0.0108	0.0129	0.0184	0.0179	0.0172	0.0104	0.0127	0.0106	0.0114
1518	0.0090	0.0139	0.0108	0.0130	0.0184	0.0179	0.0172	0.0105	0.0128	0.0107	0.0114
1517	0.0090	0.0140	0.0108	0.0130	0.0185	0.0178	0.0173	0.0105	0.0128	0.0107	0.0114
1516	0.0091	0.0140	0.0109	0.0130	0.0185	0.0178	0.0174	0.0106	0.0129	0.0107	0.0114
1515	0.0091	0.0140	0.0110	0.0131	0.0186	0.0178	0.0175	0.0107	0.0129	0.0108	0.0115
1514	0.0091	0.0141	0.0110	0.0131	0.0187	0.0179	0.0176	0.0107	0.0130	0.0108	0.0115
1513	0.0091	0.0141	0.0111	0.0132	0.0188	0.0180	0.0177	0.0107	0.0131	0.0108	0.0115
1512	0.0091	0.0142	0.0112	0.0133	0.0189	0.0181	0.0178	0.0108	0.0132	0.0109	0.0116
1511	0.0092	0.0142	0.0112	0.0134	0.0190	0.0182	0.0179	0.0109	0.0132	0.0110	0.0116
1510	0.0092	0.0142	0.0113	0.0134	0.0190	0.0183	0.0180	0.0109	0.0133	0.0110	0.0117
1509	0.0093	0.0142	0.0114	0.0135	0.0192	0.0183	0.0181	0.0109	0.0134	0.0111	0.0117
1508	0.0093	0.0144	0.0115	0.0135	0.0193	0.0184	0.0183	0.0110	0.0135	0.0112	0.0118
1507	0.0094	0.0145	0.0115	0.0136	0.0194	0.0184	0.0184	0.0111	0.0136	0.0112	0.0119
1506	0.0094	0.0145	0.0115	0.0136	0.0195	0.0185	0.0185	0.0111	0.0136	0.0113	0.0119
1505	0.0094	0.0145	0.0116	0.0137	0.0196	0.0186	0.0186	0.0111	0.0136	0.0113	0.0119
1504	0.0094	0.0146	0.0117	0.0138	0.0197	0.0187	0.0187	0.0111	0.0137	0.0114	0.0120
1503	0.0094	0.0147	0.0118	0.0138	0.0198	0.0189	0.0188	0.0112	0.0137	0.0115	0.0120
1502	0.0095	0.0148	0.0119	0.0139	0.0200	0.0190	0.0189	0.0113	0.0139	0.0116	0.0121
1501	0.0095	0.0149	0.0120	0.0141	0.0202	0.0192	0.0190	0.0114	0.0140	0.0117	0.0122
1500	0.0096	0.0150	0.0121	0.0142	0.0204	0.0193	0.0192	0.0115	0.0142	0.0118	0.0123
1499	0.0097	0.0152	0.0122	0.0144	0.0207	0.0195	0.0194	0.0116	0.0143	0.0119	0.0124
1498	0.0098	0.0153	0.0123	0.0145	0.0209	0.0196	0.0197	0.0118	0.0145	0.0121	0.0125
1497	0.0099	0.0155	0.0125	0.0147	0.0211	0.0198	0.0200	0.0119	0.0146	0.0123	0.0126
1496	0.0100	0.0157	0.0126	0.0149	0.0214	0.0201	0.0203	0.0120	0.0148	0.0125	0.0128
1495	0.0101	0.0159	0.0128	0.0151	0.0217	0.0203	0.0205	0.0122	0.0150	0.0126	0.0129
1494	0.0101	0.0161	0.0129	0.0153	0.0219	0.0206	0.0207	0.0123	0.0151	0.0128	0.0130
1493	0.0102	0.0162	0.0130	0.0155	0.0222	0.0208	0.0209	0.0125	0.0153	0.0130	0.0131
1492	0.0104	0.0164	0.0131	0.0158	0.0225	0.0212	0.0212	0.0127	0.0155	0.0132	0.0133
1491	0.0106	0.0167	0.0133	0.0161	0.0230	0.0215	0.0215	0.0130	0.0157	0.0135	0.0135
1490	0.0109	0.0171	0.0136	0.0165	0.0234	0.0220	0.0220	0.0133	0.0160	0.0138	0.0138
1489	0.0111	0.0174	0.0139	0.0168	0.0239	0.0224	0.0224	0.0136	0.0163	0.0141	0.0141
1488	0.0113	0.0178	0.0141	0.0171	0.0244	0.0228	0.0228	0.0138	0.0167	0.0144	0.0143
1487	0.0115	0.0181	0.0144	0.0174	0.0249	0.0232	0.0232	0.0140	0.0170	0.0147	0.0145
1486	0.0117	0.0184	0.0146	0.0177	0.0254	0.0237	0.0236	0.0143	0.0173	0.0150	0.0147
1485	0.0120	0.0188	0.0149	0.0181	0.0259	0.0241	0.0241	0.0146	0.0177	0.0154	0.0150
1484	0.0123	0.0192	0.0152	0.0185	0.0264	0.0246	0.0246	0.0149	0.0181	0.0157	0.0153
1483	0.0126	0.0196	0.0155	0.0189	0.0270	0.0251	0.0251	0.0152	0.0184	0.0161	0.0156
1482	0.0129	0.0200	0.0159	0.0193	0.0276	0.0256	0.0256	0.0156	0.0188	0.0164	0.0159
1481	0.0132	0.0204	0.0162	0.0197	0.0282	0.0262	0.0262	0.0159	0.0192	0.0168	0.0162
1480	0.0135	0.0209	0.0166	0.0202	0.0288	0.0268	0.0268	0.0163	0.0197	0.0172	0.0165

1479	0.0138	0.0213	0.0169	0.0207	0.0295	0.0274	0.0274	0.0167	0.0201	0.0176	0.0169
1478	0.0140	0.0218	0.0172	0.0211	0.0301	0.0279	0.0280	0.0171	0.0205	0.0180	0.0172
1477	0.0143	0.0223	0.0176	0.0217	0.0308	0.0286	0.0287	0.0175	0.0209	0.0185	0.0176
1476	0.0147	0.0230	0.0180	0.0222	0.0315	0.0292	0.0294	0.0179	0.0214	0.0190	0.0181
1475	0.0150	0.0236	0.0184	0.0227	0.0323	0.0298	0.0301	0.0183	0.0218	0.0194	0.0185
1474	0.0154	0.0242	0.0189	0.0231	0.0330	0.0304	0.0309	0.0187	0.0223	0.0199	0.0189
1473	0.0158	0.0249	0.0194	0.0236	0.0338	0.0311	0.0318	0.0191	0.0228	0.0203	0.0194
1472	0.0162	0.0256	0.0198	0.0241	0.0347	0.0318	0.0328	0.0196	0.0234	0.0208	0.0198
1471	0.0166	0.0261	0.0202	0.0245	0.0354	0.0323	0.0336	0.0199	0.0239	0.0211	0.0201
1470	0.0169	0.0266	0.0205	0.0249	0.0359	0.0328	0.0342	0.0203	0.0243	0.0215	0.0204
1469	0.0173	0.0270	0.0208	0.0252	0.0364	0.0332	0.0347	0.0205	0.0247	0.0218	0.0206
1468	0.0176	0.0273	0.0211	0.0255	0.0369	0.0336	0.0350	0.0208	0.0250	0.0221	0.0209
1467	0.0180	0.0277	0.0214	0.0258	0.0373	0.0340	0.0353	0.0211	0.0253	0.0224	0.0211
1466	0.0184	0.0280	0.0216	0.0261	0.0376	0.0344	0.0354	0.0214	0.0256	0.0226	0.0214
1465	0.0187	0.0282	0.0218	0.0264	0.0378	0.0348	0.0356	0.0216	0.0259	0.0229	0.0215
1464	0.0191	0.0284	0.0220	0.0266	0.0380	0.0351	0.0358	0.0219	0.0261	0.0231	0.0217
1463	0.0193	0.0285	0.0221	0.0268	0.0382	0.0354	0.0360	0.0221	0.0262	0.0233	0.0219
1462	0.0195	0.0286	0.0222	0.0271	0.0385	0.0356	0.0362	0.0223	0.0264	0.0235	0.0220
1461	0.0198	0.0287	0.0224	0.0273	0.0388	0.0359	0.0364	0.0225	0.0266	0.0238	0.0222
1460	0.0200	0.0288	0.0226	0.0276	0.0391	0.0362	0.0367	0.0227	0.0269	0.0240	0.0225
1459	0.0203	0.0289	0.0228	0.0278	0.0394	0.0364	0.0370	0.0229	0.0271	0.0242	0.0227
1458	0.0205	0.0290	0.0230	0.0281	0.0397	0.0367	0.0374	0.0231	0.0273	0.0244	0.0228
1457	0.0208	0.0291	0.0231	0.0283	0.0398	0.0370	0.0377	0.0233	0.0274	0.0244	0.0229
1456	0.0210	0.0293	0.0232	0.0284	0.0400	0.0372	0.0379	0.0234	0.0275	0.0245	0.0230
1455	0.0211	0.0295	0.0233	0.0285	0.0402	0.0374	0.0381	0.0235	0.0276	0.0246	0.0231
1454	0.0212	0.0297	0.0234	0.0287	0.0405	0.0375	0.0383	0.0236	0.0278	0.0249	0.0232
1453	0.0213	0.0298	0.0236	0.0289	0.0408	0.0378	0.0386	0.0238	0.0280	0.0251	0.0234
1452	0.0214	0.0300	0.0238	0.0291	0.0412	0.0380	0.0389	0.0240	0.0282	0.0253	0.0236
1451	0.0215	0.0302	0.0240	0.0293	0.0415	0.0383	0.0391	0.0242	0.0284	0.0256	0.0238
1450	0.0217	0.0304	0.0242	0.0295	0.0418	0.0387	0.0394	0.0244	0.0286	0.0258	0.0240
1449	0.0218	0.0306	0.0244	0.0298	0.0421	0.0390	0.0397	0.0246	0.0288	0.0260	0.0242
1448	0.0219	0.0308	0.0245	0.0300	0.0424	0.0393	0.0400	0.0248	0.0289	0.0262	0.0243
1447	0.0220	0.0309	0.0247	0.0302	0.0427	0.0396	0.0403	0.0250	0.0292	0.0264	0.0245
1446	0.0221	0.0311	0.0249	0.0305	0.0430	0.0399	0.0406	0.0251	0.0294	0.0266	0.0246
1445	0.0223	0.0313	0.0250	0.0307	0.0434	0.0402	0.0409	0.0253	0.0296	0.0268	0.0248
1444	0.0224	0.0316	0.0252	0.0309	0.0438	0.0404	0.0412	0.0255	0.0298	0.0270	0.0250
1443	0.0226	0.0318	0.0254	0.0312	0.0441	0.0407	0.0415	0.0257	0.0300	0.0272	0.0252
1442	0.0228	0.0320	0.0256	0.0314	0.0444	0.0410	0.0418	0.0259	0.0303	0.0274	0.0253
1441	0.0230	0.0322	0.0257	0.0316	0.0447	0.0413	0.0421	0.0261	0.0305	0.0276	0.0255
1440	0.0232	0.0324	0.0259	0.0319	0.0450	0.0415	0.0424	0.0263	0.0307	0.0279	0.0258
1439	0.0235	0.0325	0.0261	0.0321	0.0453	0.0418	0.0427	0.0266	0.0309	0.0281	0.0260
1438	0.0237	0.0327	0.0263	0.0323	0.0456	0.0420	0.0429	0.0267	0.0310	0.0282	0.0261
1437	0.0240	0.0328	0.0264	0.0324	0.0458	0.0423	0.0431	0.0269	0.0311	0.0283	0.0262
1436	0.0243	0.0329	0.0264	0.0325	0.0459	0.0424	0.0432	0.0269	0.0311	0.0283	0.0263

1435	0.0245	0.0330	0.0264	0.0326	0.0460	0.0425	0.0434	0.0270	0.0312	0.0283	0.0263
1434	0.0247	0.0331	0.0265	0.0327	0.0462	0.0427	0.0436	0.0271	0.0314	0.0285	0.0264
1433	0.0250	0.0333	0.0267	0.0328	0.0465	0.0428	0.0438	0.0272	0.0315	0.0287	0.0266
1432	0.0252	0.0334	0.0269	0.0329	0.0467	0.0430	0.0440	0.0273	0.0317	0.0288	0.0267
1431	0.0254	0.0335	0.0270	0.0330	0.0470	0.0432	0.0442	0.0274	0.0318	0.0289	0.0268
1430	0.0255	0.0336	0.0272	0.0331	0.0471	0.0434	0.0444	0.0275	0.0319	0.0290	0.0268
1429	0.0255	0.0337	0.0273	0.0333	0.0473	0.0435	0.0446	0.0276	0.0320	0.0290	0.0269
1428	0.0256	0.0338	0.0274	0.0334	0.0475	0.0437	0.0448	0.0277	0.0321	0.0291	0.0270
1427	0.0256	0.0339	0.0275	0.0336	0.0478	0.0439	0.0451	0.0278	0.0323	0.0292	0.0271
1426	0.0255	0.0341	0.0277	0.0337	0.0481	0.0441	0.0453	0.0279	0.0325	0.0293	0.0272
1425	0.0254	0.0342	0.0279	0.0339	0.0483	0.0443	0.0455	0.0280	0.0326	0.0294	0.0273
1424	0.0253	0.0344	0.0280	0.0340	0.0486	0.0444	0.0458	0.0281	0.0327	0.0296	0.0274
1423	0.0251	0.0345	0.0281	0.0341	0.0488	0.0446	0.0461	0.0283	0.0329	0.0297	0.0275
1422	0.0250	0.0347	0.0282	0.0343	0.0491	0.0448	0.0464	0.0284	0.0330	0.0299	0.0277
1421	0.0249	0.0348	0.0284	0.0345	0.0494	0.0450	0.0467	0.0286	0.0333	0.0300	0.0279
1420	0.0247	0.0349	0.0286	0.0347	0.0496	0.0451	0.0470	0.0287	0.0334	0.0301	0.0280
1419	0.0244	0.0349	0.0286	0.0347	0.0496	0.0452	0.0471	0.0286	0.0334	0.0301	0.0280
1418	0.0242	0.0349	0.0286	0.0347	0.0496	0.0452	0.0472	0.0286	0.0334	0.0300	0.0279
1417	0.0239	0.0349	0.0286	0.0346	0.0495	0.0451	0.0472	0.0286	0.0333	0.0299	0.0279
1416	0.0237	0.0348	0.0286	0.0346	0.0495	0.0451	0.0471	0.0286	0.0333	0.0299	0.0279
1415	0.0235	0.0348	0.0286	0.0345	0.0494	0.0449	0.0470	0.0285	0.0332	0.0298	0.0279
1414	0.0234	0.0347	0.0285	0.0344	0.0492	0.0448	0.0468	0.0284	0.0331	0.0297	0.0279
1413	0.0232	0.0346	0.0285	0.0343	0.0490	0.0446	0.0467	0.0283	0.0329	0.0296	0.0278
1412	0.0231	0.0344	0.0284	0.0341	0.0488	0.0444	0.0465	0.0282	0.0328	0.0295	0.0277
1411	0.0230	0.0342	0.0283	0.0339	0.0485	0.0442	0.0463	0.0281	0.0327	0.0293	0.0276
1410	0.0230	0.0341	0.0282	0.0338	0.0483	0.0440	0.0461	0.0280	0.0326	0.0291	0.0275
1409	0.0229	0.0339	0.0282	0.0337	0.0481	0.0439	0.0460	0.0280	0.0325	0.0291	0.0275
1408	0.0229	0.0339	0.0281	0.0336	0.0480	0.0437	0.0459	0.0279	0.0324	0.0290	0.0274
1407	0.0228	0.0338	0.0281	0.0335	0.0478	0.0436	0.0458	0.0279	0.0323	0.0289	0.0274
1406	0.0228	0.0337	0.0280	0.0334	0.0477	0.0436	0.0457	0.0278	0.0322	0.0289	0.0273
1405	0.0227	0.0336	0.0280	0.0333	0.0476	0.0435	0.0457	0.0278	0.0322	0.0288	0.0273
1404	0.0227	0.0336	0.0280	0.0333	0.0475	0.0434	0.0457	0.0277	0.0321	0.0287	0.0273
1403	0.0226	0.0336	0.0280	0.0333	0.0475	0.0434	0.0458	0.0277	0.0321	0.0287	0.0273
1402	0.0226	0.0336	0.0281	0.0334	0.0476	0.0434	0.0459	0.0278	0.0322	0.0287	0.0273
1401	0.0226	0.0337	0.0282	0.0335	0.0478	0.0435	0.0460	0.0279	0.0323	0.0288	0.0274
1400	0.0226	0.0338	0.0283	0.0336	0.0479	0.0436	0.0462	0.0280	0.0323	0.0290	0.0275
1399	0.0226	0.0339	0.0284	0.0338	0.0481	0.0438	0.0464	0.0280	0.0324	0.0291	0.0276
1398	0.0227	0.0341	0.0285	0.0339	0.0484	0.0439	0.0466	0.0281	0.0325	0.0292	0.0277
1397	0.0227	0.0342	0.0286	0.0340	0.0486	0.0441	0.0468	0.0282	0.0327	0.0293	0.0278
1396	0.0228	0.0343	0.0287	0.0341	0.0488	0.0442	0.0470	0.0283	0.0329	0.0294	0.0279
1395	0.0228	0.0344	0.0287	0.0342	0.0489	0.0444	0.0472	0.0284	0.0330	0.0294	0.0279
1394	0.0229	0.0345	0.0288	0.0343	0.0491	0.0446	0.0474	0.0285	0.0331	0.0296	0.0279
1393	0.0230	0.0347	0.0289	0.0344	0.0494	0.0449	0.0476	0.0286	0.0333	0.0298	0.0281
1392	0.0231	0.0350	0.0291	0.0347	0.0498	0.0453	0.0480	0.0289	0.0335	0.0301	0.0283

1391	0.0234	0.0353	0.0294	0.0351	0.0502	0.0456	0.0483	0.0291	0.0338	0.0304	0.0286
1390	0.0236	0.0357	0.0296	0.0355	0.0507	0.0460	0.0486	0.0294	0.0341	0.0308	0.0289
1389	0.0239	0.0360	0.0298	0.0359	0.0512	0.0465	0.0490	0.0297	0.0344	0.0311	0.0291
1388	0.0243	0.0364	0.0301	0.0363	0.0517	0.0470	0.0494	0.0300	0.0348	0.0315	0.0293
1387	0.0246	0.0369	0.0304	0.0367	0.0523	0.0476	0.0498	0.0304	0.0352	0.0320	0.0296
1386	0.0250	0.0375	0.0307	0.0373	0.0529	0.0484	0.0503	0.0309	0.0357	0.0325	0.0299
1385	0.0254	0.0382	0.0311	0.0379	0.0538	0.0492	0.0510	0.0314	0.0363	0.0331	0.0303
1384	0.0259	0.0389	0.0316	0.0386	0.0549	0.0502	0.0517	0.0319	0.0370	0.0338	0.0308
1383	0.0264	0.0398	0.0322	0.0395	0.0561	0.0512	0.0527	0.0326	0.0378	0.0346	0.0314
1382	0.0269	0.0407	0.0328	0.0404	0.0575	0.0524	0.0537	0.0332	0.0387	0.0354	0.0320
1381	0.0274	0.0417	0.0334	0.0414	0.0589	0.0537	0.0548	0.0339	0.0396	0.0363	0.0326
1380	0.0279	0.0427	0.0341	0.0424	0.0604	0.0550	0.0559	0.0347	0.0405	0.0372	0.0332
1379	0.0284	0.0436	0.0346	0.0434	0.0618	0.0563	0.0569	0.0355	0.0414	0.0381	0.0338
1378	0.0289	0.0445	0.0352	0.0443	0.0631	0.0575	0.0579	0.0362	0.0422	0.0389	0.0343
1377	0.0294	0.0453	0.0356	0.0451	0.0643	0.0585	0.0587	0.0368	0.0429	0.0396	0.0348
1376	0.0298	0.0460	0.0360	0.0458	0.0652	0.0594	0.0595	0.0374	0.0435	0.0403	0.0353
1375	0.0302	0.0465	0.0363	0.0464	0.0660	0.0602	0.0601	0.0379	0.0440	0.0409	0.0357
1374	0.0306	0.0469	0.0366	0.0469	0.0667	0.0608	0.0606	0.0382	0.0444	0.0413	0.0359
1373	0.0309	0.0472	0.0367	0.0473	0.0672	0.0613	0.0610	0.0385	0.0448	0.0416	0.0361
1372	0.0312	0.0474	0.0369	0.0476	0.0676	0.0617	0.0613	0.0388	0.0451	0.0419	0.0363
1371	0.0314	0.0476	0.0370	0.0479	0.0680	0.0621	0.0615	0.0390	0.0454	0.0421	0.0364
1370	0.0315	0.0478	0.0372	0.0481	0.0683	0.0624	0.0617	0.0392	0.0456	0.0424	0.0365
1369	0.0316	0.0480	0.0373	0.0483	0.0685	0.0626	0.0619	0.0394	0.0458	0.0426	0.0366
1368	0.0316	0.0481	0.0373	0.0485	0.0688	0.0628	0.0621	0.0396	0.0459	0.0428	0.0367
1367	0.0316	0.0482	0.0374	0.0486	0.0689	0.0630	0.0622	0.0397	0.0460	0.0429	0.0367
1366	0.0316	0.0483	0.0374	0.0487	0.0691	0.0631	0.0622	0.0398	0.0461	0.0430	0.0368
1365	0.0316	0.0482	0.0374	0.0488	0.0691	0.0631	0.0622	0.0399	0.0461	0.0429	0.0368
1364	0.0316	0.0480	0.0372	0.0487	0.0689	0.0629	0.0620	0.0398	0.0460	0.0428	0.0367
1363	0.0316	0.0477	0.0370	0.0484	0.0684	0.0625	0.0616	0.0396	0.0457	0.0424	0.0364
1362	0.0314	0.0472	0.0366	0.0479	0.0676	0.0619	0.0609	0.0392	0.0453	0.0419	0.0360
1361	0.0313	0.0466	0.0362	0.0473	0.0668	0.0612	0.0603	0.0388	0.0448	0.0413	0.0356
1360	0.0312	0.0461	0.0358	0.0467	0.0660	0.0605	0.0596	0.0384	0.0443	0.0408	0.0352
1359	0.0311	0.0455	0.0354	0.0462	0.0652	0.0597	0.0589	0.0380	0.0439	0.0404	0.0349
1358	0.0310	0.0449	0.0350	0.0456	0.0643	0.0590	0.0583	0.0376	0.0434	0.0399	0.0345
1357	0.0308	0.0443	0.0346	0.0450	0.0635	0.0583	0.0576	0.0371	0.0429	0.0394	0.0342
1356	0.0307	0.0437	0.0342	0.0445	0.0626	0.0576	0.0569	0.0367	0.0424	0.0388	0.0339
1355	0.0306	0.0432	0.0338	0.0439	0.0618	0.0569	0.0562	0.0363	0.0419	0.0383	0.0335
1354	0.0305	0.0427	0.0335	0.0434	0.0610	0.0563	0.0556	0.0359	0.0414	0.0379	0.0332
1353	0.0304	0.0423	0.0332	0.0430	0.0604	0.0557	0.0551	0.0356	0.0410	0.0375	0.0329
1352	0.0303	0.0420	0.0330	0.0426	0.0598	0.0552	0.0547	0.0353	0.0407	0.0372	0.0326
1351	0.0302	0.0417	0.0328	0.0423	0.0594	0.0548	0.0544	0.0351	0.0404	0.0370	0.0324
1350	0.0301	0.0415	0.0326	0.0421	0.0591	0.0545	0.0541	0.0349	0.0402	0.0368	0.0322
1349	0.0300	0.0413	0.0325	0.0420	0.0590	0.0543	0.0540	0.0348	0.0401	0.0366	0.0321
1348	0.0301	0.0413	0.0324	0.0420	0.0589	0.0543	0.0539	0.0348	0.0401	0.0366	0.0321

1347	0.0302	0.0413	0.0324	0.0420	0.0590	0.0544	0.0540	0.0348	0.0401	0.0366	0.0321
1346	0.0303	0.0414	0.0325	0.0421	0.0591	0.0545	0.0540	0.0348	0.0401	0.0366	0.0322
1345	0.0305	0.0414	0.0325	0.0422	0.0592	0.0546	0.0541	0.0349	0.0402	0.0367	0.0323
1344	0.0308	0.0415	0.0326	0.0423	0.0594	0.0548	0.0542	0.0350	0.0402	0.0368	0.0323
1343	0.0311	0.0417	0.0327	0.0424	0.0596	0.0549	0.0544	0.0351	0.0403	0.0369	0.0324
1342	0.0314	0.0418	0.0329	0.0427	0.0599	0.0552	0.0545	0.0352	0.0405	0.0371	0.0326
1341	0.0317	0.0420	0.0330	0.0429	0.0602	0.0555	0.0548	0.0354	0.0406	0.0373	0.0327
1340	0.0319	0.0422	0.0332	0.0432	0.0606	0.0558	0.0550	0.0355	0.0408	0.0376	0.0329
1339	0.0321	0.0424	0.0333	0.0435	0.0609	0.0561	0.0553	0.0357	0.0410	0.0377	0.0330
1338	0.0323	0.0425	0.0334	0.0436	0.0612	0.0563	0.0555	0.0358	0.0412	0.0379	0.0331
1337	0.0324	0.0427	0.0334	0.0437	0.0614	0.0565	0.0557	0.0358	0.0413	0.0380	0.0331
1336	0.0325	0.0427	0.0334	0.0438	0.0615	0.0567	0.0557	0.0359	0.0414	0.0381	0.0332
1335	0.0326	0.0427	0.0334	0.0437	0.0614	0.0566	0.0557	0.0359	0.0414	0.0381	0.0331
1334	0.0325	0.0426	0.0333	0.0436	0.0612	0.0565	0.0556	0.0358	0.0413	0.0380	0.0331
1333	0.0324	0.0424	0.0332	0.0434	0.0610	0.0562	0.0555	0.0358	0.0412	0.0379	0.0330
1332	0.0323	0.0423	0.0331	0.0432	0.0607	0.0560	0.0553	0.0356	0.0411	0.0378	0.0330
1331	0.0322	0.0421	0.0331	0.0431	0.0605	0.0558	0.0552	0.0355	0.0410	0.0377	0.0329
1330	0.0321	0.0420	0.0330	0.0429	0.0603	0.0557	0.0550	0.0355	0.0408	0.0376	0.0329
1329	0.0321	0.0419	0.0329	0.0428	0.0601	0.0556	0.0549	0.0354	0.0407	0.0376	0.0329
1328	0.0321	0.0418	0.0329	0.0428	0.0600	0.0555	0.0547	0.0354	0.0407	0.0375	0.0328
1327	0.0322	0.0418	0.0328	0.0428	0.0599	0.0554	0.0547	0.0353	0.0406	0.0375	0.0328
1326	0.0323	0.0417	0.0328	0.0427	0.0599	0.0554	0.0546	0.0353	0.0406	0.0375	0.0328
1325	0.0325	0.0418	0.0329	0.0428	0.0599	0.0555	0.0547	0.0353	0.0406	0.0376	0.0328
1324	0.0327	0.0419	0.0330	0.0429	0.0602	0.0557	0.0549	0.0354	0.0408	0.0378	0.0329
1323	0.0330	0.0422	0.0331	0.0432	0.0606	0.0561	0.0552	0.0356	0.0410	0.0381	0.0331
1322	0.0334	0.0427	0.0334	0.0437	0.0612	0.0567	0.0556	0.0360	0.0414	0.0385	0.0334
1321	0.0338	0.0433	0.0338	0.0443	0.0621	0.0574	0.0563	0.0364	0.0419	0.0390	0.0337
1320	0.0341	0.0439	0.0342	0.0450	0.0631	0.0584	0.0570	0.0369	0.0425	0.0397	0.0341
1319	0.0345	0.0446	0.0346	0.0457	0.0642	0.0593	0.0578	0.0374	0.0431	0.0403	0.0345
1318	0.0347	0.0452	0.0350	0.0464	0.0652	0.0601	0.0585	0.0378	0.0437	0.0409	0.0349
1317	0.0348	0.0456	0.0353	0.0469	0.0660	0.0608	0.0591	0.0382	0.0441	0.0413	0.0351
1316	0.0348	0.0459	0.0354	0.0473	0.0666	0.0612	0.0595	0.0384	0.0444	0.0416	0.0353
1315	0.0348	0.0461	0.0355	0.0474	0.0669	0.0614	0.0597	0.0385	0.0445	0.0417	0.0354
1314	0.0346	0.0461	0.0355	0.0475	0.0670	0.0614	0.0597	0.0385	0.0445	0.0417	0.0353
1313	0.0343	0.0459	0.0354	0.0473	0.0669	0.0613	0.0596	0.0384	0.0445	0.0416	0.0353
1312	0.0340	0.0456	0.0352	0.0471	0.0666	0.0609	0.0594	0.0381	0.0442	0.0413	0.0351
1311	0.0336	0.0451	0.0349	0.0466	0.0659	0.0604	0.0589	0.0378	0.0439	0.0409	0.0348
1310	0.0331	0.0446	0.0345	0.0461	0.0651	0.0596	0.0583	0.0373	0.0433	0.0404	0.0344
1309	0.0326	0.0439	0.0341	0.0454	0.0640	0.0587	0.0575	0.0368	0.0427	0.0397	0.0340
1308	0.0320	0.0432	0.0335	0.0446	0.0629	0.0577	0.0567	0.0363	0.0420	0.0391	0.0335
1307	0.0315	0.0424	0.0330	0.0438	0.0617	0.0567	0.0558	0.0357	0.0413	0.0384	0.0331
1306	0.0309	0.0417	0.0325	0.0431	0.0606	0.0558	0.0549	0.0352	0.0407	0.0377	0.0326
1305	0.0304	0.0411	0.0321	0.0424	0.0596	0.0549	0.0542	0.0347	0.0401	0.0371	0.0323
1304	0.0298	0.0405	0.0317	0.0418	0.0587	0.0542	0.0535	0.0342	0.0396	0.0366	0.0319

1303	0.0293	0.0400	0.0314	0.0412	0.0579	0.0535	0.0528	0.0338	0.0391	0.0361	0.0315
1302	0.0288	0.0394	0.0310	0.0406	0.0571	0.0527	0.0522	0.0334	0.0386	0.0356	0.0312
1301	0.0283	0.0389	0.0307	0.0401	0.0564	0.0520	0.0516	0.0330	0.0381	0.0350	0.0308
1300	0.0278	0.0384	0.0304	0.0395	0.0556	0.0513	0.0510	0.0326	0.0376	0.0345	0.0305
1299	0.0274	0.0379	0.0300	0.0390	0.0549	0.0506	0.0504	0.0322	0.0371	0.0340	0.0301
1298	0.0269	0.0374	0.0297	0.0384	0.0541	0.0499	0.0498	0.0318	0.0366	0.0335	0.0298
1297	0.0266	0.0369	0.0293	0.0379	0.0534	0.0493	0.0493	0.0314	0.0362	0.0330	0.0294
1296	0.0262	0.0365	0.0290	0.0375	0.0528	0.0487	0.0487	0.0310	0.0358	0.0326	0.0291
1295	0.0259	0.0361	0.0287	0.0370	0.0521	0.0481	0.0482	0.0306	0.0353	0.0321	0.0287
1294	0.0256	0.0356	0.0284	0.0365	0.0515	0.0474	0.0477	0.0301	0.0349	0.0317	0.0283
1293	0.0254	0.0352	0.0281	0.0360	0.0508	0.0468	0.0471	0.0297	0.0344	0.0312	0.0280
1292	0.0252	0.0347	0.0278	0.0355	0.0502	0.0461	0.0466	0.0293	0.0340	0.0307	0.0276
1291	0.0250	0.0343	0.0275	0.0349	0.0495	0.0455	0.0460	0.0289	0.0335	0.0303	0.0273
1290	0.0249	0.0339	0.0272	0.0345	0.0488	0.0449	0.0455	0.0285	0.0331	0.0299	0.0270
1289	0.0248	0.0335	0.0269	0.0340	0.0483	0.0444	0.0451	0.0282	0.0327	0.0295	0.0267
1288	0.0247	0.0332	0.0267	0.0336	0.0478	0.0439	0.0447	0.0279	0.0324	0.0291	0.0265
1287	0.0247	0.0330	0.0266	0.0334	0.0474	0.0436	0.0444	0.0277	0.0322	0.0289	0.0263
1286	0.0247	0.0329	0.0265	0.0332	0.0472	0.0434	0.0441	0.0276	0.0320	0.0287	0.0262
1285	0.0247	0.0329	0.0264	0.0332	0.0471	0.0434	0.0440	0.0275	0.0320	0.0287	0.0261
1284	0.0248	0.0330	0.0265	0.0333	0.0473	0.0435	0.0441	0.0275	0.0321	0.0288	0.0261
1283	0.0248	0.0332	0.0266	0.0336	0.0476	0.0438	0.0442	0.0276	0.0322	0.0289	0.0262
1282	0.0249	0.0336	0.0268	0.0339	0.0481	0.0442	0.0446	0.0278	0.0325	0.0292	0.0264
1281	0.0250	0.0341	0.0271	0.0344	0.0488	0.0448	0.0450	0.0281	0.0329	0.0295	0.0266
1280	0.0250	0.0345	0.0274	0.0348	0.0494	0.0454	0.0454	0.0285	0.0333	0.0299	0.0268
1279	0.0251	0.0349	0.0276	0.0352	0.0500	0.0458	0.0459	0.0288	0.0337	0.0303	0.0271
1278	0.0251	0.0351	0.0278	0.0354	0.0503	0.0461	0.0461	0.0290	0.0339	0.0305	0.0272
1277	0.0251	0.0351	0.0278	0.0355	0.0504	0.0462	0.0462	0.0290	0.0340	0.0306	0.0273
1276	0.0250	0.0351	0.0278	0.0355	0.0503	0.0461	0.0462	0.0290	0.0339	0.0306	0.0273
1275	0.0250	0.0350	0.0277	0.0354	0.0500	0.0460	0.0460	0.0290	0.0338	0.0305	0.0273
1274	0.0250	0.0350	0.0276	0.0353	0.0498	0.0459	0.0459	0.0290	0.0337	0.0305	0.0273
1273	0.0250	0.0350	0.0276	0.0353	0.0497	0.0458	0.0459	0.0290	0.0337	0.0305	0.0273
1272	0.0251	0.0350	0.0277	0.0353	0.0497	0.0459	0.0459	0.0291	0.0338	0.0306	0.0274
1271	0.0251	0.0351	0.0278	0.0353	0.0497	0.0460	0.0460	0.0292	0.0338	0.0307	0.0274
1270	0.0251	0.0353	0.0279	0.0354	0.0498	0.0461	0.0462	0.0293	0.0339	0.0308	0.0275
1269	0.0251	0.0355	0.0280	0.0355	0.0500	0.0463	0.0464	0.0294	0.0341	0.0309	0.0276
1268	0.0252	0.0356	0.0281	0.0356	0.0502	0.0464	0.0466	0.0295	0.0342	0.0311	0.0278
1267	0.0253	0.0358	0.0282	0.0358	0.0504	0.0466	0.0468	0.0296	0.0343	0.0312	0.0279
1266	0.0253	0.0360	0.0284	0.0359	0.0506	0.0468	0.0470	0.0298	0.0345	0.0313	0.0281
1265	0.0254	0.0361	0.0285	0.0360	0.0507	0.0469	0.0471	0.0299	0.0346	0.0315	0.0282
1264	0.0254	0.0362	0.0286	0.0361	0.0507	0.0470	0.0472	0.0300	0.0347	0.0315	0.0283
1263	0.0255	0.0363	0.0286	0.0362	0.0507	0.0471	0.0472	0.0301	0.0347	0.0316	0.0283
1262	0.0255	0.0363	0.0287	0.0362	0.0507	0.0470	0.0471	0.0302	0.0347	0.0316	0.0283
1261	0.0256	0.0363	0.0286	0.0361	0.0505	0.0469	0.0470	0.0302	0.0347	0.0316	0.0283
1260	0.0256	0.0362	0.0286	0.0359	0.0503	0.0467	0.0469	0.0301	0.0346	0.0315	0.0282

1259	0.0256	0.0360	0.0285	0.0356	0.0499	0.0464	0.0467	0.0300	0.0344	0.0313	0.0281
1258	0.0255	0.0359	0.0284	0.0353	0.0495	0.0461	0.0464	0.0297	0.0341	0.0310	0.0279
1257	0.0255	0.0357	0.0282	0.0350	0.0491	0.0457	0.0461	0.0294	0.0338	0.0307	0.0277
1256	0.0254	0.0355	0.0281	0.0347	0.0486	0.0452	0.0459	0.0292	0.0335	0.0304	0.0276
1255	0.0254	0.0353	0.0280	0.0344	0.0481	0.0448	0.0456	0.0289	0.0333	0.0301	0.0274
1254	0.0254	0.0352	0.0279	0.0341	0.0477	0.0444	0.0454	0.0287	0.0330	0.0298	0.0273
1253	0.0254	0.0351	0.0279	0.0338	0.0473	0.0441	0.0452	0.0285	0.0328	0.0296	0.0272
1252	0.0254	0.0351	0.0279	0.0335	0.0469	0.0437	0.0450	0.0284	0.0326	0.0294	0.0271
1251	0.0254	0.0350	0.0279	0.0332	0.0465	0.0433	0.0448	0.0282	0.0324	0.0292	0.0269
1250	0.0254	0.0350	0.0279	0.0329	0.0463	0.0430	0.0446	0.0281	0.0322	0.0290	0.0268
1249	0.0254	0.0350	0.0280	0.0327	0.0460	0.0428	0.0446	0.0280	0.0320	0.0289	0.0268
1248	0.0254	0.0351	0.0281	0.0326	0.0459	0.0427	0.0446	0.0279	0.0319	0.0289	0.0267
1247	0.0254	0.0353	0.0283	0.0326	0.0459	0.0426	0.0447	0.0279	0.0319	0.0288	0.0268
1246	0.0253	0.0356	0.0285	0.0326	0.0459	0.0426	0.0449	0.0279	0.0319	0.0289	0.0269
1245	0.0253	0.0360	0.0288	0.0327	0.0461	0.0426	0.0452	0.0279	0.0320	0.0289	0.0270
1244	0.0252	0.0364	0.0292	0.0328	0.0463	0.0426	0.0455	0.0280	0.0321	0.0291	0.0272
1243	0.0250	0.0369	0.0295	0.0329	0.0465	0.0428	0.0458	0.0281	0.0323	0.0292	0.0274
1242	0.0249	0.0374	0.0299	0.0330	0.0468	0.0429	0.0461	0.0283	0.0325	0.0294	0.0276
1241	0.0248	0.0378	0.0303	0.0332	0.0470	0.0431	0.0463	0.0285	0.0327	0.0296	0.0278
1240	0.0246	0.0383	0.0307	0.0333	0.0473	0.0433	0.0466	0.0287	0.0329	0.0297	0.0280
1239	0.0244	0.0389	0.0311	0.0334	0.0475	0.0436	0.0469	0.0289	0.0330	0.0299	0.0282
1238	0.0243	0.0394	0.0315	0.0335	0.0478	0.0438	0.0472	0.0291	0.0332	0.0300	0.0283
1237	0.0241	0.0400	0.0320	0.0336	0.0481	0.0440	0.0477	0.0293	0.0334	0.0302	0.0285
1236	0.0240	0.0406	0.0325	0.0338	0.0485	0.0441	0.0481	0.0295	0.0337	0.0303	0.0287
1235	0.0239	0.0411	0.0330	0.0339	0.0487	0.0443	0.0485	0.0296	0.0339	0.0305	0.0289
1234	0.0237	0.0416	0.0335	0.0340	0.0489	0.0443	0.0487	0.0298	0.0341	0.0307	0.0291
1233	0.0234	0.0421	0.0339	0.0340	0.0490	0.0444	0.0490	0.0299	0.0342	0.0308	0.0292
1232	0.0231	0.0426	0.0344	0.0340	0.0491	0.0444	0.0492	0.0300	0.0344	0.0309	0.0293
1231	0.0228	0.0430	0.0348	0.0340	0.0492	0.0444	0.0495	0.0301	0.0345	0.0310	0.0294
1230	0.0225	0.0434	0.0352	0.0340	0.0493	0.0444	0.0498	0.0302	0.0345	0.0311	0.0296
1229	0.0223	0.0439	0.0356	0.0341	0.0494	0.0444	0.0501	0.0303	0.0346	0.0311	0.0297
1228	0.0219	0.0443	0.0360	0.0341	0.0495	0.0443	0.0504	0.0304	0.0347	0.0311	0.0298
1227	0.0216	0.0446	0.0364	0.0339	0.0496	0.0441	0.0506	0.0303	0.0347	0.0311	0.0299
1226	0.0212	0.0448	0.0366	0.0337	0.0494	0.0438	0.0506	0.0302	0.0345	0.0308	0.0298
1225	0.0209	0.0448	0.0368	0.0332	0.0490	0.0433	0.0504	0.0299	0.0342	0.0305	0.0297
1224	0.0206	0.0448	0.0370	0.0327	0.0485	0.0426	0.0503	0.0295	0.0339	0.0301	0.0296
1223	0.0203	0.0447	0.0370	0.0321	0.0479	0.0419	0.0501	0.0292	0.0335	0.0297	0.0294
1222	0.0201	0.0446	0.0371	0.0315	0.0473	0.0411	0.0499	0.0288	0.0331	0.0292	0.0293
1221	0.0199	0.0445	0.0371	0.0310	0.0467	0.0404	0.0497	0.0285	0.0327	0.0288	0.0292
1220	0.0198	0.0444	0.0372	0.0304	0.0460	0.0397	0.0495	0.0281	0.0323	0.0284	0.0290
1219	0.0197	0.0443	0.0373	0.0298	0.0454	0.0390	0.0492	0.0278	0.0319	0.0280	0.0288
1218	0.0196	0.0443	0.0374	0.0293	0.0448	0.0383	0.0489	0.0275	0.0315	0.0277	0.0287
1217	0.0196	0.0442	0.0375	0.0288	0.0442	0.0377	0.0487	0.0272	0.0312	0.0274	0.0286
1216	0.0196	0.0442	0.0376	0.0284	0.0437	0.0372	0.0486	0.0270	0.0309	0.0272	0.0285

1215	0.0196	0.0441	0.0378	0.0280	0.0433	0.0369	0.0485	0.0268	0.0307	0.0270	0.0285
1214	0.0197	0.0442	0.0379	0.0278	0.0431	0.0366	0.0485	0.0267	0.0306	0.0269	0.0285
1213	0.0200	0.0443	0.0382	0.0277	0.0431	0.0365	0.0486	0.0267	0.0305	0.0269	0.0286
1212	0.0203	0.0446	0.0385	0.0278	0.0432	0.0366	0.0489	0.0268	0.0306	0.0269	0.0287
1211	0.0206	0.0449	0.0388	0.0279	0.0435	0.0368	0.0493	0.0270	0.0308	0.0271	0.0290
1210	0.0211	0.0454	0.0393	0.0282	0.0439	0.0372	0.0498	0.0273	0.0312	0.0274	0.0293
1209	0.0216	0.0459	0.0398	0.0286	0.0446	0.0377	0.0505	0.0277	0.0316	0.0278	0.0297
1208	0.0220	0.0465	0.0404	0.0291	0.0454	0.0383	0.0513	0.0281	0.0321	0.0283	0.0302
1207	0.0224	0.0472	0.0410	0.0296	0.0463	0.0391	0.0523	0.0285	0.0327	0.0289	0.0306
1206	0.0226	0.0479	0.0416	0.0303	0.0474	0.0399	0.0533	0.0291	0.0333	0.0295	0.0311
1205	0.0229	0.0487	0.0423	0.0310	0.0484	0.0408	0.0544	0.0296	0.0339	0.0302	0.0317
1204	0.0230	0.0495	0.0430	0.0317	0.0495	0.0416	0.0555	0.0301	0.0345	0.0308	0.0322
1203	0.0231	0.0502	0.0436	0.0323	0.0504	0.0424	0.0565	0.0306	0.0350	0.0314	0.0328
1202	0.0230	0.0509	0.0442	0.0327	0.0513	0.0430	0.0575	0.0310	0.0355	0.0319	0.0333
1201	0.0230	0.0514	0.0446	0.0331	0.0520	0.0435	0.0584	0.0313	0.0359	0.0323	0.0336
1200	0.0228	0.0518	0.0450	0.0333	0.0525	0.0437	0.0592	0.0316	0.0362	0.0325	0.0339
1199	0.0226	0.0521	0.0454	0.0333	0.0528	0.0438	0.0597	0.0317	0.0363	0.0326	0.0341
1198	0.0224	0.0522	0.0456	0.0332	0.0528	0.0436	0.0601	0.0316	0.0362	0.0325	0.0342
1197	0.0220	0.0523	0.0457	0.0329	0.0526	0.0432	0.0602	0.0315	0.0360	0.0323	0.0342
1196	0.0217	0.0521	0.0458	0.0325	0.0521	0.0426	0.0601	0.0311	0.0357	0.0319	0.0340
1195	0.0212	0.0518	0.0457	0.0319	0.0513	0.0418	0.0597	0.0307	0.0352	0.0314	0.0337
1194	0.0208	0.0513	0.0456	0.0311	0.0503	0.0408	0.0591	0.0301	0.0346	0.0307	0.0334
1193	0.0204	0.0507	0.0454	0.0303	0.0493	0.0397	0.0584	0.0296	0.0340	0.0301	0.0330
1192	0.0201	0.0501	0.0452	0.0295	0.0482	0.0387	0.0577	0.0290	0.0333	0.0294	0.0327
1191	0.0198	0.0496	0.0450	0.0287	0.0471	0.0377	0.0570	0.0285	0.0327	0.0288	0.0323
1190	0.0196	0.0491	0.0448	0.0280	0.0462	0.0368	0.0565	0.0280	0.0320	0.0283	0.0320
1189	0.0195	0.0487	0.0446	0.0274	0.0455	0.0361	0.0561	0.0276	0.0315	0.0279	0.0317
1188	0.0195	0.0485	0.0446	0.0269	0.0451	0.0356	0.0559	0.0272	0.0311	0.0275	0.0316
1187	0.0196	0.0483	0.0446	0.0266	0.0448	0.0352	0.0559	0.0270	0.0309	0.0274	0.0316
1186	0.0198	0.0483	0.0447	0.0265	0.0448	0.0351	0.0562	0.0270	0.0309	0.0273	0.0317
1185	0.0200	0.0485	0.0449	0.0266	0.0451	0.0352	0.0568	0.0271	0.0310	0.0274	0.0319
1184	0.0204	0.0488	0.0452	0.0268	0.0457	0.0355	0.0576	0.0273	0.0312	0.0276	0.0323
1183	0.0209	0.0491	0.0456	0.0271	0.0464	0.0360	0.0586	0.0276	0.0316	0.0279	0.0326
1182	0.0214	0.0496	0.0460	0.0276	0.0474	0.0366	0.0597	0.0280	0.0320	0.0284	0.0331
1181	0.0220	0.0501	0.0466	0.0283	0.0484	0.0374	0.0610	0.0285	0.0326	0.0289	0.0335
1180	0.0228	0.0508	0.0472	0.0290	0.0495	0.0383	0.0623	0.0291	0.0332	0.0296	0.0341
1179	0.0236	0.0515	0.0479	0.0298	0.0507	0.0393	0.0635	0.0297	0.0339	0.0303	0.0348
1178	0.0245	0.0524	0.0486	0.0307	0.0519	0.0405	0.0648	0.0305	0.0348	0.0311	0.0354
1177	0.0255	0.0533	0.0493	0.0317	0.0532	0.0417	0.0660	0.0313	0.0357	0.0320	0.0361
1176	0.0267	0.0543	0.0500	0.0329	0.0547	0.0432	0.0673	0.0323	0.0367	0.0330	0.0369
1175	0.0279	0.0554	0.0509	0.0341	0.0563	0.0447	0.0687	0.0333	0.0378	0.0341	0.0377
1174	0.0293	0.0566	0.0518	0.0354	0.0581	0.0464	0.0703	0.0344	0.0390	0.0352	0.0386
1173	0.0308	0.0580	0.0529	0.0370	0.0602	0.0484	0.0721	0.0356	0.0404	0.0366	0.0397
1172	0.0324	0.0597	0.0540	0.0387	0.0627	0.0505	0.0742	0.0370	0.0420	0.0381	0.0409

1171	0.0341	0.0614	0.0553	0.0406	0.0654	0.0529	0.0764	0.0386	0.0438	0.0398	0.0422
1170	0.0359	0.0634	0.0567	0.0426	0.0684	0.0556	0.0789	0.0403	0.0457	0.0416	0.0436
1169	0.0377	0.0655	0.0582	0.0449	0.0717	0.0584	0.0817	0.0422	0.0478	0.0436	0.0451
1168	0.0395	0.0678	0.0599	0.0472	0.0753	0.0615	0.0847	0.0441	0.0500	0.0456	0.0466
1167	0.0412	0.0702	0.0616	0.0498	0.0790	0.0647	0.0878	0.0461	0.0522	0.0478	0.0481
1166	0.0429	0.0728	0.0635	0.0524	0.0829	0.0680	0.0910	0.0481	0.0546	0.0501	0.0498
1165	0.0444	0.0754	0.0654	0.0551	0.0869	0.0714	0.0944	0.0501	0.0570	0.0524	0.0515
1164	0.0457	0.0780	0.0672	0.0577	0.0909	0.0748	0.0977	0.0521	0.0593	0.0548	0.0532
1163	0.0467	0.0805	0.0690	0.0601	0.0947	0.0779	0.1008	0.0540	0.0615	0.0570	0.0548
1162	0.0475	0.0826	0.0706	0.0623	0.0981	0.0807	0.1037	0.0557	0.0635	0.0590	0.0563
1161	0.0479	0.0845	0.0720	0.0641	0.1009	0.0831	0.1062	0.0571	0.0651	0.0607	0.0576
1160	0.0481	0.0860	0.0731	0.0655	0.1031	0.0849	0.1082	0.0583	0.0664	0.0621	0.0587
1159	0.0481	0.0870	0.0739	0.0665	0.1047	0.0863	0.1098	0.0591	0.0674	0.0631	0.0595
1158	0.0479	0.0877	0.0745	0.0671	0.1056	0.0871	0.1107	0.0597	0.0680	0.0638	0.0601
1157	0.0476	0.0880	0.0749	0.0673	0.1059	0.0874	0.1113	0.0599	0.0683	0.0641	0.0605
1156	0.0472	0.0880	0.0751	0.0673	0.1057	0.0872	0.1114	0.0599	0.0683	0.0641	0.0607
1155	0.0467	0.0877	0.0750	0.0668	0.1050	0.0866	0.1111	0.0597	0.0680	0.0638	0.0606
1154	0.0461	0.0871	0.0748	0.0660	0.1038	0.0857	0.1104	0.0591	0.0674	0.0633	0.0604
1153	0.0454	0.0862	0.0744	0.0650	0.1024	0.0845	0.1096	0.0584	0.0666	0.0625	0.0600
1152	0.0447	0.0853	0.0739	0.0638	0.1008	0.0831	0.1085	0.0576	0.0657	0.0616	0.0595
1151	0.0441	0.0843	0.0734	0.0626	0.0990	0.0816	0.1074	0.0568	0.0647	0.0607	0.0589
1150	0.0435	0.0833	0.0728	0.0615	0.0973	0.0800	0.1063	0.0559	0.0637	0.0597	0.0584
1149	0.0429	0.0823	0.0723	0.0603	0.0956	0.0785	0.1051	0.0551	0.0627	0.0587	0.0578
1148	0.0423	0.0813	0.0719	0.0592	0.0940	0.0770	0.1041	0.0542	0.0618	0.0578	0.0572
1147	0.0417	0.0803	0.0714	0.0581	0.0924	0.0756	0.1031	0.0534	0.0608	0.0568	0.0567
1146	0.0411	0.0793	0.0710	0.0570	0.0910	0.0742	0.1021	0.0526	0.0599	0.0558	0.0561
1145	0.0405	0.0785	0.0705	0.0561	0.0897	0.0730	0.1013	0.0519	0.0591	0.0551	0.0556
1144	0.0400	0.0778	0.0702	0.0555	0.0887	0.0720	0.1006	0.0513	0.0584	0.0544	0.0552
1143	0.0396	0.0772	0.0699	0.0550	0.0879	0.0713	0.1002	0.0509	0.0579	0.0539	0.0550
1142	0.0393	0.0769	0.0698	0.0547	0.0874	0.0708	0.1000	0.0507	0.0576	0.0536	0.0548
1141	0.0391	0.0767	0.0698	0.0546	0.0872	0.0707	0.1001	0.0506	0.0574	0.0534	0.0548
1140	0.0390	0.0768	0.0699	0.0547	0.0874	0.0708	0.1004	0.0506	0.0576	0.0534	0.0549
1139	0.0391	0.0772	0.0702	0.0550	0.0879	0.0713	0.1010	0.0509	0.0579	0.0537	0.0552
1138	0.0394	0.0778	0.0706	0.0556	0.0889	0.0720	0.1020	0.0513	0.0585	0.0542	0.0556
1137	0.0398	0.0786	0.0713	0.0564	0.0902	0.0731	0.1032	0.0520	0.0592	0.0550	0.0562
1136	0.0404	0.0795	0.0721	0.0574	0.0918	0.0743	0.1046	0.0528	0.0601	0.0559	0.0569
1135	0.0410	0.0805	0.0730	0.0584	0.0935	0.0757	0.1061	0.0537	0.0612	0.0569	0.0577
1134	0.0418	0.0816	0.0738	0.0595	0.0952	0.0771	0.1077	0.0546	0.0622	0.0580	0.0585
1133	0.0425	0.0827	0.0747	0.0607	0.0971	0.0787	0.1093	0.0556	0.0633	0.0592	0.0594
1132	0.0434	0.0839	0.0755	0.0620	0.0990	0.0803	0.1112	0.0565	0.0645	0.0604	0.0603
1131	0.0444	0.0852	0.0765	0.0633	0.1011	0.0821	0.1131	0.0575	0.0657	0.0616	0.0613
1130	0.0454	0.0865	0.0775	0.0647	0.1033	0.0838	0.1151	0.0585	0.0670	0.0629	0.0623
1129	0.0466	0.0880	0.0786	0.0661	0.1056	0.0857	0.1171	0.0597	0.0684	0.0642	0.0633
1128	0.0479	0.0896	0.0797	0.0676	0.1080	0.0876	0.1194	0.0610	0.0699	0.0656	0.0644

1127	0.0493	0.0912	0.0809	0.0692	0.1106	0.0897	0.1217	0.0623	0.0714	0.0671	0.0655
1126	0.0507	0.0929	0.0822	0.0708	0.1132	0.0919	0.1240	0.0637	0.0730	0.0687	0.0667
1125	0.0522	0.0947	0.0835	0.0726	0.1160	0.0942	0.1265	0.0651	0.0747	0.0704	0.0680
1124	0.0536	0.0966	0.0849	0.0744	0.1189	0.0965	0.1291	0.0665	0.0764	0.0720	0.0693
1123	0.0549	0.0985	0.0863	0.0762	0.1218	0.0989	0.1317	0.0679	0.0781	0.0736	0.0705
1122	0.0562	0.1004	0.0877	0.0780	0.1247	0.1012	0.1343	0.0693	0.0797	0.0752	0.0718
1121	0.0575	0.1023	0.0891	0.0797	0.1276	0.1035	0.1369	0.0707	0.0814	0.0768	0.0730
1120	0.0589	0.1041	0.0905	0.0814	0.1304	0.1057	0.1395	0.0720	0.0830	0.0783	0.0742
1119	0.0603	0.1059	0.0918	0.0829	0.1331	0.1078	0.1419	0.0733	0.0845	0.0798	0.0755
1118	0.0618	0.1075	0.0930	0.0843	0.1354	0.1097	0.1442	0.0746	0.0859	0.0812	0.0766
1117	0.0633	0.1090	0.0942	0.0856	0.1377	0.1115	0.1464	0.0757	0.0872	0.0825	0.0777
1116	0.0649	0.1104	0.0953	0.0868	0.1397	0.1132	0.1484	0.0768	0.0884	0.0839	0.0787
1115	0.0664	0.1118	0.0962	0.0880	0.1417	0.1148	0.1504	0.0777	0.0896	0.0851	0.0797
1114	0.0677	0.1130	0.0971	0.0890	0.1435	0.1163	0.1522	0.0786	0.0906	0.0861	0.0805
1113	0.0689	0.1141	0.0980	0.0900	0.1451	0.1176	0.1538	0.0794	0.0916	0.0871	0.0813
1112	0.0699	0.1150	0.0987	0.0908	0.1464	0.1186	0.1553	0.0800	0.0923	0.0879	0.0820
1111	0.0707	0.1157	0.0994	0.0913	0.1473	0.1193	0.1565	0.0806	0.0928	0.0886	0.0826
1110	0.0713	0.1161	0.0999	0.0916	0.1479	0.1197	0.1573	0.0810	0.0932	0.0890	0.0831
1109	0.0719	0.1165	0.1003	0.0918	0.1482	0.1200	0.1580	0.0813	0.0935	0.0894	0.0835
1108	0.0724	0.1168	0.1007	0.0919	0.1483	0.1201	0.1586	0.0816	0.0937	0.0897	0.0839
1107	0.0728	0.1171	0.1010	0.0921	0.1485	0.1204	0.1592	0.0819	0.0940	0.0900	0.0843
1106	0.0731	0.1176	0.1014	0.0923	0.1489	0.1208	0.1599	0.0823	0.0943	0.0904	0.0847
1105	0.0734	0.1182	0.1019	0.0927	0.1497	0.1215	0.1608	0.0828	0.0948	0.0909	0.0851
1104	0.0736	0.1191	0.1027	0.0934	0.1510	0.1225	0.1621	0.0834	0.0956	0.0917	0.0858
1103	0.0737	0.1203	0.1037	0.0943	0.1527	0.1239	0.1638	0.0841	0.0965	0.0927	0.0866
1102	0.0738	0.1218	0.1049	0.0956	0.1548	0.1255	0.1659	0.0851	0.0977	0.0939	0.0875
1101	0.0739	0.1236	0.1063	0.0970	0.1574	0.1274	0.1683	0.0864	0.0992	0.0953	0.0886
1100	0.0741	0.1255	0.1078	0.0987	0.1601	0.1295	0.1709	0.0877	0.1008	0.0969	0.0898
1099	0.0742	0.1274	0.1093	0.1003	0.1628	0.1316	0.1734	0.0890	0.1024	0.0984	0.0910
1098	0.0743	0.1292	0.1107	0.1018	0.1653	0.1336	0.1758	0.0902	0.1039	0.0999	0.0921
1097	0.0744	0.1309	0.1121	0.1031	0.1676	0.1354	0.1780	0.0913	0.1053	0.1012	0.0932
1096	0.0745	0.1325	0.1134	0.1044	0.1697	0.1371	0.1802	0.0923	0.1066	0.1023	0.0941
1095	0.0746	0.1339	0.1146	0.1055	0.1717	0.1385	0.1822	0.0933	0.1077	0.1034	0.0950
1094	0.0746	0.1353	0.1158	0.1066	0.1736	0.1399	0.1841	0.0942	0.1088	0.1044	0.0959
1093	0.0748	0.1368	0.1170	0.1077	0.1755	0.1414	0.1859	0.0952	0.1099	0.1054	0.0968
1092	0.0750	0.1383	0.1183	0.1088	0.1776	0.1428	0.1879	0.0962	0.1111	0.1065	0.0978
1091	0.0752	0.1399	0.1195	0.1100	0.1797	0.1443	0.1899	0.0972	0.1124	0.1076	0.0987
1090	0.0754	0.1415	0.1208	0.1112	0.1818	0.1458	0.1920	0.0982	0.1136	0.1088	0.0997
1089	0.0756	0.1431	0.1221	0.1124	0.1839	0.1474	0.1941	0.0992	0.1147	0.1099	0.1006
1088	0.0758	0.1447	0.1234	0.1137	0.1862	0.1490	0.1963	0.1003	0.1160	0.1111	0.1016
1087	0.0761	0.1463	0.1248	0.1150	0.1885	0.1506	0.1985	0.1013	0.1173	0.1122	0.1025
1086	0.0764	0.1479	0.1261	0.1163	0.1910	0.1524	0.2009	0.1023	0.1187	0.1134	0.1034
1085	0.0768	0.1498	0.1276	0.1177	0.1937	0.1542	0.2034	0.1035	0.1202	0.1147	0.1045
1084	0.0773	0.1517	0.1292	0.1192	0.1966	0.1562	0.2061	0.1047	0.1217	0.1161	0.1056

1083	0.0778	0.1536	0.1307	0.1207	0.1995	0.1582	0.2088	0.1060	0.1232	0.1175	0.1068
1082	0.0784	0.1555	0.1322	0.1222	0.2023	0.1602	0.2116	0.1073	0.1247	0.1190	0.1080
1081	0.0791	0.1573	0.1338	0.1237	0.2051	0.1623	0.2144	0.1086	0.1262	0.1206	0.1093
1080	0.0800	0.1591	0.1353	0.1252	0.2080	0.1645	0.2173	0.1099	0.1276	0.1222	0.1106
1079	0.0810	0.1610	0.1368	0.1267	0.2108	0.1667	0.2201	0.1112	0.1291	0.1237	0.1119
1078	0.0821	0.1628	0.1382	0.1282	0.2135	0.1689	0.2228	0.1124	0.1306	0.1252	0.1132
1077	0.0833	0.1646	0.1397	0.1296	0.2163	0.1710	0.2256	0.1138	0.1322	0.1268	0.1145
1076	0.0845	0.1664	0.1412	0.1311	0.2191	0.1732	0.2285	0.1152	0.1338	0.1284	0.1157
1075	0.0857	0.1681	0.1427	0.1325	0.2217	0.1753	0.2312	0.1165	0.1353	0.1299	0.1170
1074	0.0868	0.1698	0.1440	0.1338	0.2241	0.1772	0.2339	0.1176	0.1367	0.1314	0.1181
1073	0.0880	0.1713	0.1451	0.1351	0.2262	0.1789	0.2364	0.1187	0.1380	0.1327	0.1193
1072	0.0893	0.1728	0.1463	0.1364	0.2282	0.1806	0.2388	0.1197	0.1392	0.1341	0.1205
1071	0.0906	0.1741	0.1474	0.1376	0.2302	0.1822	0.2411	0.1208	0.1404	0.1354	0.1216
1070	0.0919	0.1755	0.1486	0.1387	0.2323	0.1838	0.2434	0.1218	0.1416	0.1367	0.1228
1069	0.0933	0.1769	0.1499	0.1400	0.2346	0.1855	0.2458	0.1230	0.1430	0.1380	0.1239
1068	0.0949	0.1786	0.1513	0.1413	0.2372	0.1874	0.2485	0.1241	0.1444	0.1395	0.1251
1067	0.0965	0.1803	0.1527	0.1427	0.2401	0.1895	0.2513	0.1253	0.1458	0.1411	0.1263
1066	0.0983	0.1821	0.1541	0.1442	0.2432	0.1917	0.2543	0.1264	0.1473	0.1427	0.1276
1065	0.1002	0.1841	0.1556	0.1458	0.2464	0.1940	0.2574	0.1276	0.1488	0.1445	0.1289
1064	0.1022	0.1860	0.1571	0.1475	0.2498	0.1964	0.2606	0.1288	0.1503	0.1462	0.1302
1063	0.1042	0.1879	0.1586	0.1491	0.2531	0.1987	0.2638	0.1301	0.1518	0.1479	0.1315
1062	0.1061	0.1898	0.1601	0.1506	0.2562	0.2008	0.2668	0.1312	0.1532	0.1494	0.1327
1061	0.1080	0.1915	0.1615	0.1521	0.2591	0.2028	0.2695	0.1323	0.1546	0.1507	0.1338
1060	0.1098	0.1932	0.1628	0.1533	0.2617	0.2045	0.2719	0.1333	0.1558	0.1519	0.1348
1059	0.1113	0.1945	0.1640	0.1544	0.2637	0.2059	0.2740	0.1341	0.1569	0.1530	0.1356
1058	0.1126	0.1956	0.1649	0.1553	0.2651	0.2070	0.2757	0.1347	0.1576	0.1538	0.1363
1057	0.1137	0.1965	0.1658	0.1560	0.2664	0.2078	0.2772	0.1352	0.1583	0.1544	0.1369
1056	0.1146	0.1973	0.1666	0.1567	0.2674	0.2086	0.2786	0.1357	0.1589	0.1548	0.1374
1055	0.1154	0.1980	0.1673	0.1572	0.2684	0.2093	0.2798	0.1360	0.1595	0.1552	0.1380
1054	0.1161	0.1985	0.1679	0.1576	0.2693	0.2100	0.2810	0.1363	0.1599	0.1556	0.1385
1053	0.1167	0.1991	0.1685	0.1580	0.2703	0.2107	0.2823	0.1367	0.1603	0.1561	0.1390
1052	0.1172	0.1996	0.1691	0.1585	0.2712	0.2114	0.2837	0.1370	0.1607	0.1565	0.1395
1051	0.1175	0.2001	0.1696	0.1589	0.2720	0.2120	0.2850	0.1373	0.1611	0.1569	0.1399
1050	0.1176	0.2006	0.1700	0.1592	0.2726	0.2125	0.2861	0.1376	0.1614	0.1573	0.1404
1049	0.1177	0.2011	0.1705	0.1596	0.2732	0.2131	0.2873	0.1379	0.1617	0.1577	0.1409
1048	0.1177	0.2018	0.1710	0.1601	0.2740	0.2137	0.2886	0.1383	0.1622	0.1582	0.1414
1047	0.1175	0.2024	0.1716	0.1605	0.2747	0.2142	0.2899	0.1387	0.1626	0.1587	0.1420
1046	0.1173	0.2031	0.1721	0.1609	0.2755	0.2148	0.2912	0.1391	0.1631	0.1591	0.1425
1045	0.1172	0.2037	0.1727	0.1614	0.2763	0.2154	0.2925	0.1394	0.1635	0.1596	0.1430
1044	0.1171	0.2042	0.1733	0.1618	0.2770	0.2161	0.2938	0.1398	0.1640	0.1601	0.1435
1043	0.1172	0.2046	0.1738	0.1623	0.2776	0.2166	0.2949	0.1401	0.1644	0.1605	0.1440
1042	0.1174	0.2048	0.1742	0.1626	0.2780	0.2170	0.2959	0.1404	0.1647	0.1608	0.1444
1041	0.1178	0.2051	0.1746	0.1630	0.2784	0.2173	0.2969	0.1406	0.1650	0.1611	0.1448
1040	0.1185	0.2055	0.1751	0.1634	0.2791	0.2178	0.2980	0.1409	0.1653	0.1614	0.1452

1039	0.1193	0.2060	0.1756	0.1639	0.2801	0.2184	0.2992	0.1413	0.1658	0.1618	0.1456
1038	0.1202	0.2067	0.1762	0.1646	0.2814	0.2193	0.3006	0.1417	0.1663	0.1623	0.1461
1037	0.1213	0.2077	0.1769	0.1654	0.2831	0.2204	0.3024	0.1422	0.1671	0.1630	0.1467
1036	0.1225	0.2088	0.1778	0.1663	0.2852	0.2218	0.3045	0.1429	0.1680	0.1638	0.1475
1035	0.1236	0.2100	0.1787	0.1673	0.2875	0.2234	0.3067	0.1436	0.1690	0.1648	0.1484
1034	0.1245	0.2113	0.1796	0.1684	0.2899	0.2250	0.3091	0.1444	0.1700	0.1657	0.1492
1033	0.1254	0.2125	0.1806	0.1696	0.2925	0.2266	0.3117	0.1453	0.1712	0.1669	0.1501
1032	0.1261	0.2139	0.1818	0.1708	0.2952	0.2284	0.3145	0.1462	0.1725	0.1682	0.1511
1031	0.1266	0.2153	0.1830	0.1721	0.2981	0.2304	0.3175	0.1472	0.1738	0.1696	0.1522
1030	0.1270	0.2168	0.1843	0.1736	0.3010	0.2326	0.3205	0.1482	0.1751	0.1710	0.1533
1029	0.1272	0.2184	0.1856	0.1751	0.3040	0.2348	0.3236	0.1493	0.1765	0.1724	0.1545
1028	0.1274	0.2199	0.1868	0.1767	0.3070	0.2369	0.3267	0.1503	0.1778	0.1738	0.1556
1027	0.1274	0.2213	0.1879	0.1782	0.3096	0.2389	0.3296	0.1513	0.1791	0.1750	0.1567
1026	0.1274	0.2225	0.1889	0.1794	0.3118	0.2405	0.3321	0.1521	0.1802	0.1762	0.1576
1025	0.1272	0.2235	0.1899	0.1805	0.3138	0.2421	0.3344	0.1528	0.1812	0.1772	0.1584
1024	0.1271	0.2244	0.1907	0.1815	0.3155	0.2435	0.3365	0.1535	0.1821	0.1783	0.1593
1023	0.1268	0.2251	0.1914	0.1824	0.3169	0.2448	0.3383	0.1541	0.1828	0.1792	0.1600
1022	0.1265	0.2256	0.1919	0.1830	0.3179	0.2457	0.3399	0.1545	0.1833	0.1798	0.1605
1021	0.1262	0.2259	0.1923	0.1836	0.3188	0.2465	0.3413	0.1548	0.1838	0.1804	0.1610
1020	0.1257	0.2261	0.1927	0.1840	0.3194	0.2470	0.3424	0.1550	0.1841	0.1807	0.1613
1019	0.1252	0.2261	0.1929	0.1843	0.3197	0.2473	0.3433	0.1551	0.1843	0.1810	0.1615
1018	0.1247	0.2259	0.1930	0.1844	0.3197	0.2473	0.3438	0.1551	0.1842	0.1810	0.1617
1017	0.1241	0.2256	0.1929	0.1845	0.3193	0.2472	0.3440	0.1549	0.1839	0.1809	0.1619
1016	0.1235	0.2250	0.1927	0.1843	0.3184	0.2466	0.3438	0.1546	0.1834	0.1806	0.1619
1015	0.1229	0.2239	0.1922	0.1837	0.3168	0.2456	0.3430	0.1540	0.1826	0.1800	0.1618
1014	0.1221	0.2225	0.1914	0.1827	0.3145	0.2440	0.3416	0.1532	0.1814	0.1790	0.1613
1013	0.1213	0.2207	0.1904	0.1814	0.3117	0.2422	0.3399	0.1522	0.1801	0.1779	0.1607
1012	0.1206	0.2188	0.1894	0.1800	0.3087	0.2402	0.3379	0.1511	0.1786	0.1766	0.1601
1011	0.1200	0.2168	0.1883	0.1785	0.3056	0.2380	0.3358	0.1499	0.1770	0.1752	0.1593
1010	0.1193	0.2146	0.1871	0.1770	0.3024	0.2358	0.3335	0.1487	0.1754	0.1738	0.1585
1009	0.1187	0.2126	0.1860	0.1755	0.2995	0.2337	0.3314	0.1474	0.1739	0.1724	0.1577
1008	0.1182	0.2107	0.1850	0.1741	0.2968	0.2318	0.3295	0.1462	0.1725	0.1711	0.1569
1007	0.1178	0.2090	0.1841	0.1729	0.2944	0.2300	0.3277	0.1452	0.1712	0.1699	0.1563
1006	0.1175	0.2076	0.1832	0.1719	0.2924	0.2285	0.3261	0.1442	0.1700	0.1688	0.1557
1005	0.1172	0.2064	0.1825	0.1712	0.2909	0.2273	0.3250	0.1436	0.1692	0.1680	0.1553
1004	0.1170	0.2056	0.1822	0.1708	0.2902	0.2266	0.3245	0.1431	0.1687	0.1675	0.1549
1003	0.1169	0.2052	0.1822	0.1708	0.2903	0.2264	0.3246	0.1429	0.1686	0.1673	0.1547
1002	0.1168	0.2053	0.1824	0.1711	0.2913	0.2268	0.3252	0.1429	0.1689	0.1675	0.1548
1001	0.1167	0.2060	0.1830	0.1719	0.2932	0.2278	0.3266	0.1431	0.1695	0.1681	0.1552
1000	0.1166	0.2069	0.1838	0.1730	0.2958	0.2293	0.3287	0.1437	0.1704	0.1689	0.1557
999	0.1164	0.2080	0.1847	0.1742	0.2984	0.2311	0.3310	0.1444	0.1714	0.1698	0.1564
998	0.1162	0.2090	0.1855	0.1754	0.3008	0.2328	0.3332	0.1451	0.1724	0.1708	0.1570
997	0.1160	0.2097	0.1862	0.1765	0.3027	0.2342	0.3350	0.1458	0.1733	0.1716	0.1576
996	0.1158	0.2101	0.1866	0.1773	0.3039	0.2351	0.3364	0.1462	0.1739	0.1721	0.1581

995	0.1155	0.2099	0.1867	0.1775	0.3041	0.2353	0.3370	0.1463	0.1740	0.1722	0.1583
994	0.1152	0.2092	0.1864	0.1773	0.3032	0.2349	0.3367	0.1462	0.1737	0.1719	0.1582
993	0.1148	0.2079	0.1859	0.1765	0.3015	0.2337	0.3357	0.1456	0.1729	0.1712	0.1577
992	0.1145	0.2062	0.1850	0.1754	0.2989	0.2319	0.3339	0.1447	0.1716	0.1700	0.1570
991	0.1141	0.2040	0.1837	0.1738	0.2955	0.2294	0.3313	0.1435	0.1699	0.1683	0.1560
990	0.1136	0.2013	0.1822	0.1718	0.2912	0.2263	0.3280	0.1420	0.1677	0.1662	0.1548
989	0.1132	0.1983	0.1804	0.1695	0.2864	0.2227	0.3241	0.1402	0.1652	0.1638	0.1534
988	0.1128	0.1950	0.1785	0.1669	0.2810	0.2187	0.3196	0.1382	0.1625	0.1610	0.1517
987	0.1123	0.1913	0.1763	0.1639	0.2752	0.2143	0.3146	0.1360	0.1595	0.1580	0.1498
986	0.1117	0.1874	0.1741	0.1607	0.2689	0.2095	0.3092	0.1335	0.1563	0.1548	0.1477
985	0.1109	0.1834	0.1717	0.1574	0.2624	0.2044	0.3036	0.1309	0.1530	0.1514	0.1455
984	0.1099	0.1795	0.1693	0.1539	0.2559	0.1992	0.2980	0.1283	0.1496	0.1479	0.1432
983	0.1087	0.1756	0.1668	0.1503	0.2494	0.1941	0.2923	0.1257	0.1461	0.1445	0.1409
982	0.1073	0.1718	0.1645	0.1468	0.2431	0.1890	0.2866	0.1231	0.1427	0.1411	0.1386
981	0.1056	0.1683	0.1622	0.1434	0.2369	0.1841	0.2810	0.1205	0.1394	0.1377	0.1363
980	0.1039	0.1649	0.1601	0.1401	0.2311	0.1795	0.2756	0.1179	0.1362	0.1346	0.1341
979	0.1020	0.1617	0.1580	0.1369	0.2254	0.1750	0.2704	0.1154	0.1332	0.1315	0.1319
978	0.1001	0.1587	0.1561	0.1339	0.2201	0.1707	0.2655	0.1131	0.1305	0.1286	0.1299
977	0.0983	0.1560	0.1543	0.1312	0.2152	0.1669	0.2611	0.1110	0.1279	0.1260	0.1280
976	0.0967	0.1537	0.1527	0.1287	0.2109	0.1634	0.2571	0.1091	0.1256	0.1236	0.1263
975	0.0951	0.1516	0.1512	0.1265	0.2071	0.1602	0.2534	0.1074	0.1235	0.1214	0.1248
974	0.0937	0.1498	0.1498	0.1245	0.2036	0.1573	0.2500	0.1058	0.1216	0.1193	0.1234
973	0.0923	0.1482	0.1487	0.1227	0.2005	0.1548	0.2469	0.1043	0.1198	0.1174	0.1222
972	0.0910	0.1468	0.1477	0.1211	0.1978	0.1527	0.2440	0.1031	0.1183	0.1158	0.1211
971	0.0898	0.1456	0.1468	0.1196	0.1952	0.1507	0.2414	0.1019	0.1170	0.1143	0.1201
970	0.0886	0.1443	0.1459	0.1181	0.1928	0.1488	0.2388	0.1007	0.1157	0.1130	0.1191
969	0.0874	0.1432	0.1451	0.1167	0.1906	0.1470	0.2363	0.0997	0.1144	0.1118	0.1181
968	0.0862	0.1421	0.1443	0.1154	0.1884	0.1453	0.2340	0.0986	0.1132	0.1106	0.1170
967	0.0850	0.1410	0.1435	0.1141	0.1863	0.1436	0.2317	0.0976	0.1120	0.1094	0.1160
966	0.0839	0.1399	0.1427	0.1129	0.1842	0.1418	0.2294	0.0966	0.1109	0.1082	0.1150
965	0.0827	0.1389	0.1418	0.1117	0.1820	0.1401	0.2270	0.0956	0.1097	0.1069	0.1140
964	0.0815	0.1379	0.1409	0.1104	0.1797	0.1382	0.2247	0.0946	0.1086	0.1056	0.1131
963	0.0803	0.1368	0.1400	0.1090	0.1773	0.1363	0.2221	0.0935	0.1073	0.1041	0.1120
962	0.0791	0.1355	0.1390	0.1075	0.1747	0.1343	0.2194	0.0924	0.1059	0.1027	0.1110
961	0.0778	0.1342	0.1380	0.1060	0.1720	0.1323	0.2166	0.0913	0.1045	0.1012	0.1099
960	0.0765	0.1328	0.1371	0.1044	0.1691	0.1301	0.2137	0.0902	0.1031	0.0997	0.1088
959	0.0752	0.1312	0.1360	0.1027	0.1661	0.1278	0.2107	0.0889	0.1016	0.0981	0.1077
958	0.0738	0.1296	0.1347	0.1009	0.1629	0.1254	0.2075	0.0875	0.1001	0.0963	0.1064
957	0.0724	0.1279	0.1334	0.0992	0.1598	0.1229	0.2043	0.0860	0.0985	0.0946	0.1051
956	0.0711	0.1263	0.1321	0.0974	0.1566	0.1205	0.2011	0.0846	0.0969	0.0928	0.1038
955	0.0697	0.1246	0.1307	0.0956	0.1536	0.1181	0.1979	0.0832	0.0952	0.0910	0.1023
954	0.0683	0.1230	0.1294	0.0939	0.1507	0.1159	0.1949	0.0819	0.0936	0.0893	0.1010
953	0.0671	0.1215	0.1281	0.0922	0.1480	0.1138	0.1920	0.0807	0.0921	0.0877	0.0997
952	0.0659	0.1202	0.1269	0.0907	0.1455	0.1118	0.1893	0.0795	0.0907	0.0863	0.0985

951	0.0648	0.1189	0.1258	0.0892	0.1431	0.1100	0.1867	0.0784	0.0894	0.0849	0.0975
950	0.0636	0.1175	0.1247	0.0879	0.1407	0.1083	0.1841	0.0774	0.0882	0.0835	0.0964
949	0.0625	0.1161	0.1236	0.0865	0.1385	0.1066	0.1817	0.0763	0.0871	0.0822	0.0954
948	0.0614	0.1149	0.1225	0.0851	0.1364	0.1050	0.1794	0.0753	0.0860	0.0810	0.0944
947	0.0603	0.1137	0.1214	0.0838	0.1343	0.1034	0.1772	0.0743	0.0849	0.0798	0.0934
946	0.0593	0.1126	0.1203	0.0826	0.1324	0.1019	0.1750	0.0733	0.0839	0.0787	0.0925
945	0.0584	0.1114	0.1194	0.0815	0.1306	0.1005	0.1730	0.0724	0.0829	0.0777	0.0916
944	0.0575	0.1104	0.1184	0.0805	0.1290	0.0992	0.1712	0.0716	0.0819	0.0767	0.0909
943	0.0566	0.1093	0.1174	0.0797	0.1274	0.0981	0.1694	0.0708	0.0810	0.0757	0.0901
942	0.0559	0.1083	0.1165	0.0789	0.1260	0.0971	0.1677	0.0700	0.0802	0.0749	0.0894
941	0.0552	0.1075	0.1156	0.0781	0.1246	0.0962	0.1660	0.0694	0.0795	0.0741	0.0887
940	0.0545	0.1067	0.1147	0.0774	0.1233	0.0953	0.1644	0.0688	0.0788	0.0735	0.0880
939	0.0539	0.1059	0.1139	0.0767	0.1220	0.0945	0.1628	0.0683	0.0781	0.0729	0.0872
938	0.0532	0.1051	0.1130	0.0759	0.1206	0.0936	0.1611	0.0677	0.0774	0.0722	0.0865
937	0.0526	0.1042	0.1121	0.0752	0.1192	0.0928	0.1594	0.0671	0.0768	0.0715	0.0858
936	0.0521	0.1034	0.1113	0.0746	0.1181	0.0921	0.1578	0.0666	0.0762	0.0708	0.0851
935	0.0516	0.1026	0.1105	0.0740	0.1170	0.0914	0.1563	0.0661	0.0756	0.0701	0.0845
934	0.0511	0.1019	0.1097	0.0735	0.1160	0.0907	0.1548	0.0657	0.0750	0.0695	0.0839
933	0.0506	0.1011	0.1089	0.0730	0.1149	0.0900	0.1534	0.0653	0.0744	0.0689	0.0834
932	0.0501	0.1004	0.1081	0.0724	0.1139	0.0894	0.1520	0.0648	0.0739	0.0683	0.0828
931	0.0496	0.0997	0.1073	0.0718	0.1129	0.0887	0.1506	0.0643	0.0734	0.0677	0.0823
930	0.0491	0.0989	0.1065	0.0711	0.1120	0.0881	0.1492	0.0638	0.0729	0.0671	0.0817
929	0.0486	0.0981	0.1057	0.0705	0.1110	0.0874	0.1478	0.0633	0.0723	0.0666	0.0811
928	0.0482	0.0974	0.1050	0.0700	0.1101	0.0867	0.1464	0.0628	0.0718	0.0660	0.0804
927	0.0477	0.0967	0.1042	0.0694	0.1091	0.0860	0.1450	0.0623	0.0712	0.0655	0.0798
926	0.0473	0.0960	0.1033	0.0689	0.1082	0.0854	0.1437	0.0618	0.0706	0.0650	0.0792
925	0.0469	0.0954	0.1025	0.0684	0.1072	0.0848	0.1425	0.0613	0.0700	0.0645	0.0787
924	0.0466	0.0947	0.1017	0.0679	0.1062	0.0843	0.1413	0.0609	0.0695	0.0640	0.0782
923	0.0462	0.0940	0.1009	0.0675	0.1053	0.0837	0.1400	0.0604	0.0690	0.0635	0.0776
922	0.0459	0.0932	0.1001	0.0671	0.1043	0.0832	0.1388	0.0600	0.0686	0.0630	0.0770
921	0.0455	0.0924	0.0994	0.0667	0.1034	0.0826	0.1377	0.0595	0.0681	0.0625	0.0765
920	0.0453	0.0918	0.0987	0.0663	0.1026	0.0821	0.1367	0.0592	0.0677	0.0621	0.0760
919	0.0450	0.0912	0.0980	0.0660	0.1020	0.0816	0.1357	0.0588	0.0672	0.0618	0.0756
918	0.0448	0.0907	0.0973	0.0658	0.1014	0.0813	0.1347	0.0586	0.0669	0.0615	0.0752
917	0.0447	0.0903	0.0966	0.0656	0.1010	0.0811	0.1338	0.0584	0.0666	0.0614	0.0750
916	0.0447	0.0900	0.0961	0.0656	0.1008	0.0810	0.1332	0.0583	0.0665	0.0614	0.0749
915	0.0448	0.0899	0.0956	0.0656	0.1007	0.0812	0.1328	0.0583	0.0665	0.0614	0.0748
914	0.0450	0.0898	0.0952	0.0657	0.1007	0.0815	0.1324	0.0583	0.0666	0.0615	0.0747
913	0.0452	0.0898	0.0950	0.0659	0.1009	0.0819	0.1322	0.0585	0.0669	0.0618	0.0747
912	0.0455	0.0899	0.0948	0.0663	0.1014	0.0826	0.1321	0.0588	0.0672	0.0622	0.0748
911	0.0459	0.0901	0.0947	0.0668	0.1020	0.0833	0.1321	0.0591	0.0676	0.0627	0.0749
910	0.0464	0.0904	0.0947	0.0674	0.1028	0.0841	0.1323	0.0596	0.0681	0.0633	0.0752
909	0.0468	0.0908	0.0948	0.0682	0.1037	0.0851	0.1325	0.0601	0.0687	0.0639	0.0754
908	0.0474	0.0913	0.0949	0.0691	0.1048	0.0861	0.1329	0.0607	0.0693	0.0647	0.0757

907	0.0480	0.0919	0.0951	0.0701	0.1060	0.0874	0.1334	0.0613	0.0699	0.0656	0.0762
906	0.0486	0.0927	0.0954	0.0711	0.1073	0.0887	0.1342	0.0622	0.0707	0.0665	0.0767
905	0.0494	0.0936	0.0959	0.0722	0.1089	0.0902	0.1350	0.0631	0.0716	0.0676	0.0773
904	0.0502	0.0946	0.0964	0.0734	0.1106	0.0918	0.1360	0.0641	0.0726	0.0687	0.0779
903	0.0510	0.0956	0.0969	0.0745	0.1124	0.0935	0.1371	0.0650	0.0737	0.0698	0.0785
902	0.0517	0.0967	0.0974	0.0758	0.1143	0.0951	0.1381	0.0659	0.0749	0.0710	0.0791
901	0.0524	0.0979	0.0980	0.0771	0.1163	0.0969	0.1394	0.0668	0.0761	0.0723	0.0798
900	0.0530	0.0991	0.0986	0.0785	0.1184	0.0987	0.1408	0.0678	0.0774	0.0735	0.0805
899	0.0535	0.1004	0.0993	0.0800	0.1205	0.1005	0.1422	0.0688	0.0786	0.0748	0.0812
898	0.0538	0.1015	0.0999	0.0815	0.1225	0.1022	0.1435	0.0697	0.0797	0.0758	0.0818
897	0.0540	0.1025	0.1004	0.0827	0.1244	0.1036	0.1445	0.0706	0.0806	0.0767	0.0822
896	0.0539	0.1031	0.1008	0.0835	0.1258	0.1047	0.1452	0.0712	0.0813	0.0774	0.0825
895	0.0537	0.1032	0.1008	0.0840	0.1264	0.1052	0.1453	0.0714	0.0816	0.0777	0.0826
894	0.0533	0.1029	0.1005	0.0839	0.1263	0.1051	0.1449	0.0714	0.0815	0.0776	0.0823
893	0.0528	0.1022	0.0998	0.0835	0.1255	0.1044	0.1439	0.0710	0.0810	0.0771	0.0819
892	0.0522	0.1012	0.0989	0.0826	0.1240	0.1032	0.1423	0.0704	0.0802	0.0761	0.0811
891	0.0515	0.0998	0.0977	0.0813	0.1219	0.1016	0.1402	0.0695	0.0791	0.0749	0.0801
890	0.0506	0.0981	0.0963	0.0798	0.1195	0.0997	0.1379	0.0684	0.0778	0.0734	0.0790
889	0.0497	0.0962	0.0948	0.0782	0.1169	0.0976	0.1353	0.0671	0.0764	0.0717	0.0778
888	0.0488	0.0942	0.0933	0.0765	0.1141	0.0954	0.1327	0.0658	0.0749	0.0699	0.0764
887	0.0478	0.0922	0.0917	0.0747	0.1114	0.0931	0.1301	0.0643	0.0732	0.0682	0.0750
886	0.0469	0.0902	0.0902	0.0730	0.1087	0.0909	0.1274	0.0629	0.0715	0.0664	0.0736
885	0.0460	0.0883	0.0888	0.0713	0.1061	0.0887	0.1249	0.0615	0.0699	0.0648	0.0723
884	0.0452	0.0864	0.0874	0.0697	0.1036	0.0867	0.1225	0.0602	0.0685	0.0632	0.0711
883	0.0444	0.0846	0.0861	0.0682	0.1013	0.0848	0.1202	0.0589	0.0671	0.0619	0.0699
882	0.0438	0.0829	0.0848	0.0670	0.0991	0.0830	0.1180	0.0578	0.0659	0.0606	0.0689
881	0.0431	0.0814	0.0834	0.0658	0.0972	0.0814	0.1159	0.0567	0.0648	0.0594	0.0679
880	0.0425	0.0801	0.0820	0.0646	0.0954	0.0798	0.1141	0.0556	0.0637	0.0582	0.0669
879	0.0419	0.0788	0.0807	0.0633	0.0937	0.0784	0.1123	0.0547	0.0626	0.0570	0.0659
878	0.0413	0.0775	0.0796	0.0622	0.0922	0.0771	0.1105	0.0538	0.0616	0.0559	0.0650
877	0.0408	0.0763	0.0786	0.0613	0.0908	0.0760	0.1090	0.0530	0.0607	0.0550	0.0642
876	0.0403	0.0752	0.0777	0.0605	0.0895	0.0750	0.1076	0.0523	0.0599	0.0542	0.0634
875	0.0398	0.0742	0.0769	0.0597	0.0881	0.0741	0.1063	0.0515	0.0591	0.0534	0.0627
874	0.0394	0.0732	0.0760	0.0590	0.0869	0.0732	0.1051	0.0508	0.0585	0.0527	0.0620
873	0.0390	0.0723	0.0752	0.0583	0.0859	0.0724	0.1039	0.0502	0.0578	0.0521	0.0614
872	0.0386	0.0715	0.0744	0.0577	0.0851	0.0717	0.1028	0.0496	0.0573	0.0515	0.0609
871	0.0383	0.0707	0.0737	0.0571	0.0844	0.0711	0.1017	0.0491	0.0568	0.0510	0.0603
870	0.0379	0.0700	0.0730	0.0566	0.0836	0.0704	0.1006	0.0487	0.0563	0.0504	0.0598
869	0.0376	0.0693	0.0724	0.0561	0.0829	0.0699	0.0996	0.0484	0.0558	0.0499	0.0593
868	0.0372	0.0687	0.0717	0.0557	0.0822	0.0694	0.0987	0.0481	0.0553	0.0495	0.0590
867	0.0369	0.0681	0.0711	0.0553	0.0815	0.0690	0.0979	0.0479	0.0548	0.0491	0.0586
866	0.0366	0.0676	0.0704	0.0549	0.0809	0.0687	0.0970	0.0475	0.0544	0.0488	0.0581
865	0.0363	0.0671	0.0699	0.0546	0.0803	0.0684	0.0962	0.0471	0.0541	0.0485	0.0575
864	0.0360	0.0666	0.0694	0.0542	0.0798	0.0680	0.0954	0.0467	0.0538	0.0482	0.0570

863	0.0357	0.0661	0.0688	0.0539	0.0794	0.0677	0.0947	0.0464	0.0535	0.0479	0.0565
862	0.0355	0.0656	0.0683	0.0537	0.0790	0.0674	0.0941	0.0461	0.0532	0.0477	0.0562
861	0.0353	0.0653	0.0678	0.0535	0.0787	0.0671	0.0934	0.0459	0.0530	0.0475	0.0559
860	0.0351	0.0650	0.0673	0.0534	0.0784	0.0668	0.0928	0.0457	0.0528	0.0472	0.0556
859	0.0349	0.0647	0.0669	0.0533	0.0781	0.0665	0.0922	0.0456	0.0526	0.0469	0.0553
858	0.0347	0.0645	0.0665	0.0532	0.0778	0.0664	0.0917	0.0455	0.0525	0.0467	0.0550
857	0.0346	0.0642	0.0661	0.0531	0.0776	0.0664	0.0912	0.0454	0.0524	0.0466	0.0547
856	0.0345	0.0641	0.0657	0.0530	0.0773	0.0664	0.0907	0.0453	0.0523	0.0465	0.0545
855	0.0344	0.0639	0.0654	0.0529	0.0771	0.0665	0.0902	0.0452	0.0522	0.0465	0.0542
854	0.0342	0.0637	0.0651	0.0528	0.0769	0.0665	0.0898	0.0451	0.0521	0.0464	0.0540
853	0.0341	0.0634	0.0648	0.0528	0.0767	0.0664	0.0894	0.0449	0.0520	0.0464	0.0538
852	0.0340	0.0631	0.0645	0.0526	0.0765	0.0663	0.0890	0.0448	0.0518	0.0463	0.0535
851	0.0339	0.0628	0.0640	0.0525	0.0762	0.0661	0.0885	0.0446	0.0516	0.0462	0.0532
850	0.0337	0.0626	0.0635	0.0523	0.0760	0.0659	0.0879	0.0445	0.0514	0.0460	0.0528
849	0.0335	0.0624	0.0631	0.0521	0.0759	0.0657	0.0875	0.0443	0.0512	0.0458	0.0525
848	0.0334	0.0623	0.0627	0.0521	0.0758	0.0657	0.0871	0.0443	0.0511	0.0457	0.0522
847	0.0334	0.0623	0.0624	0.0521	0.0756	0.0657	0.0867	0.0443	0.0511	0.0456	0.0521
846	0.0335	0.0623	0.0622	0.0522	0.0754	0.0656	0.0863	0.0444	0.0511	0.0457	0.0520
845	0.0335	0.0623	0.0620	0.0523	0.0753	0.0656	0.0859	0.0444	0.0512	0.0458	0.0519
844	0.0334	0.0623	0.0618	0.0524	0.0751	0.0656	0.0854	0.0444	0.0512	0.0458	0.0518
843	0.0334	0.0623	0.0616	0.0523	0.0750	0.0656	0.0851	0.0443	0.0512	0.0458	0.0516
842	0.0334	0.0623	0.0615	0.0523	0.0749	0.0657	0.0848	0.0442	0.0511	0.0458	0.0515
841	0.0334	0.0623	0.0613	0.0523	0.0749	0.0658	0.0846	0.0442	0.0511	0.0458	0.0515
840	0.0335	0.0624	0.0613	0.0523	0.0750	0.0659	0.0844	0.0443	0.0512	0.0459	0.0514
839	0.0335	0.0625	0.0613	0.0523	0.0751	0.0660	0.0842	0.0444	0.0512	0.0461	0.0514
838	0.0336	0.0627	0.0613	0.0524	0.0752	0.0661	0.0841	0.0444	0.0513	0.0462	0.0514
837	0.0336	0.0629	0.0613	0.0524	0.0752	0.0663	0.0841	0.0444	0.0513	0.0463	0.0515
836	0.0336	0.0631	0.0612	0.0524	0.0752	0.0664	0.0842	0.0444	0.0514	0.0464	0.0514
835	0.0336	0.0632	0.0612	0.0525	0.0751	0.0664	0.0841	0.0444	0.0514	0.0464	0.0513
834	0.0335	0.0633	0.0611	0.0525	0.0752	0.0664	0.0841	0.0445	0.0514	0.0464	0.0512
833	0.0336	0.0634	0.0612	0.0525	0.0753	0.0664	0.0840	0.0447	0.0515	0.0465	0.0512
832	0.0336	0.0636	0.0614	0.0527	0.0756	0.0665	0.0841	0.0449	0.0517	0.0466	0.0513
831	0.0337	0.0637	0.0616	0.0528	0.0758	0.0667	0.0842	0.0451	0.0519	0.0468	0.0514
830	0.0338	0.0639	0.0616	0.0529	0.0758	0.0669	0.0844	0.0451	0.0519	0.0470	0.0514
829	0.0338	0.0641	0.0616	0.0529	0.0758	0.0669	0.0845	0.0451	0.0518	0.0471	0.0513
828	0.0338	0.0643	0.0616	0.0529	0.0758	0.0670	0.0845	0.0451	0.0517	0.0472	0.0512
827	0.0338	0.0645	0.0617	0.0530	0.0758	0.0670	0.0845	0.0450	0.0517	0.0473	0.0512
826	0.0338	0.0647	0.0618	0.0532	0.0758	0.0670	0.0845	0.0450	0.0518	0.0474	0.0513
825	0.0340	0.0650	0.0621	0.0534	0.0759	0.0672	0.0847	0.0450	0.0519	0.0475	0.0516
824	0.0342	0.0653	0.0624	0.0536	0.0761	0.0675	0.0849	0.0452	0.0521	0.0478	0.0518
823	0.0344	0.0657	0.0627	0.0537	0.0763	0.0677	0.0851	0.0454	0.0523	0.0480	0.0520
822	0.0345	0.0659	0.0629	0.0538	0.0766	0.0678	0.0852	0.0456	0.0524	0.0482	0.0521
821	0.0346	0.0661	0.0632	0.0538	0.0768	0.0678	0.0854	0.0457	0.0525	0.0483	0.0521
820	0.0347	0.0663	0.0635	0.0539	0.0770	0.0679	0.0856	0.0458	0.0525	0.0485	0.0522

819	0.0348	0.0665	0.0637	0.0540	0.0772	0.0680	0.0858	0.0460	0.0526	0.0486	0.0523
818	0.0350	0.0668	0.0639	0.0540	0.0775	0.0682	0.0860	0.0461	0.0528	0.0488	0.0525
817	0.0352	0.0671	0.0640	0.0541	0.0778	0.0684	0.0863	0.0462	0.0530	0.0490	0.0527
816	0.0353	0.0675	0.0642	0.0542	0.0780	0.0686	0.0866	0.0463	0.0531	0.0492	0.0530
815	0.0354	0.0678	0.0644	0.0543	0.0783	0.0688	0.0869	0.0463	0.0532	0.0494	0.0532
814	0.0355	0.0682	0.0646	0.0545	0.0785	0.0690	0.0873	0.0465	0.0534	0.0496	0.0533
813	0.0355	0.0685	0.0649	0.0547	0.0786	0.0692	0.0876	0.0466	0.0535	0.0499	0.0535
812	0.0355	0.0689	0.0653	0.0548	0.0788	0.0694	0.0880	0.0468	0.0538	0.0501	0.0538
811	0.0355	0.0692	0.0656	0.0548	0.0789	0.0696	0.0883	0.0470	0.0540	0.0504	0.0540
810	0.0355	0.0695	0.0658	0.0549	0.0791	0.0698	0.0886	0.0471	0.0541	0.0506	0.0542
809	0.0355	0.0698	0.0660	0.0551	0.0795	0.0700	0.0890	0.0473	0.0543	0.0508	0.0543
808	0.0356	0.0702	0.0663	0.0554	0.0799	0.0704	0.0895	0.0475	0.0545	0.0510	0.0546
807	0.0356	0.0707	0.0666	0.0557	0.0804	0.0708	0.0900	0.0477	0.0547	0.0513	0.0549
806	0.0357	0.0711	0.0669	0.0559	0.0808	0.0711	0.0907	0.0479	0.0550	0.0517	0.0553
805	0.0357	0.0715	0.0672	0.0561	0.0811	0.0714	0.0913	0.0481	0.0553	0.0520	0.0556
804	0.0357	0.0719	0.0676	0.0563	0.0814	0.0715	0.0919	0.0482	0.0555	0.0524	0.0559
803	0.0356	0.0722	0.0679	0.0564	0.0815	0.0716	0.0922	0.0483	0.0557	0.0526	0.0562
802	0.0356	0.0725	0.0682	0.0566	0.0817	0.0717	0.0925	0.0484	0.0557	0.0527	0.0565
801	0.0356	0.0728	0.0684	0.0568	0.0818	0.0720	0.0929	0.0486	0.0558	0.0530	0.0568
800	0.0357	0.0731	0.0686	0.0571	0.0821	0.0723	0.0934	0.0487	0.0559	0.0534	0.0571
799	0.0357	0.0734	0.0688	0.0573	0.0824	0.0726	0.0938	0.0489	0.0560	0.0537	0.0573
798	0.0357	0.0736	0.0689	0.0574	0.0826	0.0728	0.0941	0.0490	0.0562	0.0539	0.0573
797	0.0358	0.0739	0.0690	0.0575	0.0829	0.0730	0.0944	0.0492	0.0564	0.0540	0.0573
796	0.0358	0.0741	0.0690	0.0577	0.0831	0.0732	0.0946	0.0493	0.0566	0.0540	0.0574
795	0.0358	0.0742	0.0690	0.0578	0.0833	0.0734	0.0949	0.0493	0.0566	0.0540	0.0575
794	0.0358	0.0742	0.0690	0.0579	0.0836	0.0736	0.0950	0.0494	0.0566	0.0540	0.0576
793	0.0360	0.0743	0.0692	0.0582	0.0839	0.0739	0.0952	0.0495	0.0566	0.0541	0.0577
792	0.0362	0.0746	0.0694	0.0584	0.0843	0.0742	0.0954	0.0496	0.0567	0.0543	0.0579
791	0.0364	0.0748	0.0696	0.0586	0.0846	0.0745	0.0955	0.0496	0.0569	0.0544	0.0581
790	0.0365	0.0748	0.0696	0.0588	0.0848	0.0746	0.0956	0.0497	0.0569	0.0545	0.0582
789	0.0366	0.0748	0.0696	0.0589	0.0850	0.0748	0.0956	0.0497	0.0571	0.0545	0.0582
788	0.0367	0.0748	0.0697	0.0591	0.0853	0.0749	0.0958	0.0498	0.0573	0.0546	0.0582
787	0.0368	0.0749	0.0698	0.0592	0.0857	0.0752	0.0961	0.0500	0.0575	0.0548	0.0584
786	0.0369	0.0750	0.0700	0.0594	0.0860	0.0755	0.0964	0.0502	0.0577	0.0550	0.0586
785	0.0371	0.0751	0.0701	0.0596	0.0863	0.0758	0.0966	0.0504	0.0578	0.0553	0.0588
784	0.0372	0.0752	0.0701	0.0598	0.0865	0.0761	0.0969	0.0505	0.0579	0.0556	0.0590
783	0.0372	0.0752	0.0701	0.0601	0.0868	0.0763	0.0971	0.0505	0.0580	0.0559	0.0591
782	0.0372	0.0753	0.0700	0.0602	0.0871	0.0764	0.0973	0.0505	0.0582	0.0561	0.0592
781	0.0373	0.0754	0.0700	0.0604	0.0874	0.0766	0.0975	0.0506	0.0584	0.0564	0.0592
780	0.0373	0.0755	0.0700	0.0606	0.0876	0.0767	0.0978	0.0506	0.0585	0.0566	0.0593
779	0.0374	0.0756	0.0699	0.0607	0.0878	0.0770	0.0980	0.0507	0.0586	0.0567	0.0593
778	0.0376	0.0756	0.0699	0.0608	0.0880	0.0773	0.0982	0.0509	0.0586	0.0568	0.0594
777	0.0377	0.0756	0.0699	0.0610	0.0882	0.0777	0.0984	0.0511	0.0587	0.0569	0.0595
776	0.0378	0.0756	0.0700	0.0612	0.0883	0.0780	0.0985	0.0512	0.0588	0.0571	0.0596

775	0.0379	0.0756	0.0701	0.0615	0.0886	0.0783	0.0986	0.0512	0.0590	0.0572	0.0597
774	0.0380	0.0755	0.0701	0.0617	0.0888	0.0786	0.0987	0.0512	0.0591	0.0573	0.0596
773	0.0381	0.0753	0.0700	0.0619	0.0891	0.0788	0.0988	0.0512	0.0593	0.0575	0.0597
772	0.0383	0.0753	0.0700	0.0621	0.0894	0.0791	0.0989	0.0514	0.0595	0.0576	0.0597
771	0.0384	0.0753	0.0700	0.0623	0.0897	0.0793	0.0990	0.0516	0.0596	0.0578	0.0599
770	0.0386	0.0753	0.0700	0.0625	0.0900	0.0796	0.0991	0.0519	0.0597	0.0580	0.0601
769	0.0387	0.0754	0.0700	0.0626	0.0903	0.0799	0.0992	0.0521	0.0597	0.0581	0.0603
768	0.0389	0.0755	0.0700	0.0627	0.0906	0.0802	0.0993	0.0522	0.0597	0.0583	0.0604
767	0.0390	0.0756	0.0701	0.0628	0.0910	0.0805	0.0994	0.0523	0.0598	0.0585	0.0605
766	0.0392	0.0757	0.0703	0.0631	0.0913	0.0807	0.0996	0.0524	0.0601	0.0587	0.0606
765	0.0395	0.0759	0.0705	0.0634	0.0917	0.0811	0.1000	0.0527	0.0605	0.0591	0.0608
764	0.0398	0.0762	0.0707	0.0638	0.0921	0.0815	0.1005	0.0530	0.0609	0.0594	0.0609
763	0.0402	0.0765	0.0709	0.0642	0.0924	0.0820	0.1008	0.0532	0.0612	0.0597	0.0610
762	0.0404	0.0767	0.0709	0.0645	0.0927	0.0823	0.1010	0.0534	0.0615	0.0598	0.0610
761	0.0405	0.0769	0.0709	0.0647	0.0931	0.0827	0.1010	0.0535	0.0617	0.0599	0.0610
760	0.0407	0.0772	0.0709	0.0649	0.0935	0.0830	0.1011	0.0537	0.0619	0.0601	0.0611
759	0.0409	0.0775	0.0710	0.0652	0.0940	0.0833	0.1014	0.0539	0.0622	0.0604	0.0614
758	0.0412	0.0779	0.0711	0.0656	0.0945	0.0837	0.1018	0.0542	0.0625	0.0607	0.0618
757	0.0414	0.0782	0.0713	0.0661	0.0950	0.0841	0.1022	0.0545	0.0627	0.0611	0.0622
756	0.0417	0.0784	0.0716	0.0665	0.0954	0.0844	0.1026	0.0547	0.0630	0.0615	0.0624
755	0.0419	0.0785	0.0718	0.0667	0.0958	0.0848	0.1029	0.0548	0.0631	0.0617	0.0626
754	0.0420	0.0786	0.0719	0.0669	0.0961	0.0850	0.1030	0.0550	0.0632	0.0619	0.0626
753	0.0422	0.0787	0.0720	0.0672	0.0964	0.0852	0.1032	0.0552	0.0633	0.0621	0.0627
752	0.0423	0.0789	0.0721	0.0675	0.0968	0.0855	0.1034	0.0555	0.0633	0.0624	0.0628
751	0.0425	0.0791	0.0721	0.0676	0.0971	0.0857	0.1035	0.0557	0.0633	0.0626	0.0628
750	0.0427	0.0793	0.0722	0.0676	0.0973	0.0859	0.1037	0.0558	0.0634	0.0627	0.0629
749	0.0429	0.0796	0.0723	0.0677	0.0976	0.0863	0.1040	0.0559	0.0638	0.0630	0.0630
748	0.0432	0.0799	0.0725	0.0679	0.0980	0.0868	0.1044	0.0560	0.0643	0.0633	0.0633
747	0.0434	0.0803	0.0726	0.0682	0.0986	0.0873	0.1048	0.0562	0.0647	0.0637	0.0636
746	0.0436	0.0806	0.0728	0.0685	0.0991	0.0878	0.1051	0.0564	0.0650	0.0641	0.0639
745	0.0439	0.0810	0.0730	0.0688	0.0995	0.0883	0.1054	0.0566	0.0652	0.0644	0.0641
744	0.0442	0.0814	0.0733	0.0691	0.0999	0.0887	0.1058	0.0569	0.0654	0.0647	0.0643
743	0.0446	0.0817	0.0736	0.0695	0.1003	0.0891	0.1061	0.0572	0.0657	0.0648	0.0645
742	0.0449	0.0820	0.0738	0.0699	0.1007	0.0895	0.1065	0.0574	0.0660	0.0650	0.0646
741	0.0452	0.0823	0.0740	0.0702	0.1012	0.0900	0.1069	0.0576	0.0663	0.0652	0.0647
740	0.0455	0.0826	0.0742	0.0705	0.1018	0.0905	0.1073	0.0580	0.0665	0.0656	0.0649
739	0.0458	0.0830	0.0744	0.0709	0.1024	0.0910	0.1078	0.0584	0.0668	0.0660	0.0652
738	0.0462	0.0833	0.0747	0.0712	0.1028	0.0914	0.1082	0.0587	0.0670	0.0663	0.0655
737	0.0466	0.0836	0.0750	0.0716	0.1033	0.0917	0.1086	0.0590	0.0673	0.0666	0.0658
736	0.0469	0.0839	0.0752	0.0720	0.1038	0.0921	0.1090	0.0593	0.0677	0.0668	0.0661
735	0.0472	0.0842	0.0753	0.0723	0.1042	0.0925	0.1092	0.0595	0.0679	0.0671	0.0662
734	0.0475	0.0844	0.0753	0.0726	0.1046	0.0930	0.1093	0.0597	0.0681	0.0674	0.0663
733	0.0478	0.0846	0.0753	0.0728	0.1051	0.0935	0.1095	0.0599	0.0683	0.0678	0.0664
732	0.0482	0.0850	0.0755	0.0732	0.1058	0.0940	0.1100	0.0602	0.0686	0.0682	0.0665

731	0.0486	0.0854	0.0758	0.0735	0.1064	0.0946	0.1106	0.0604	0.0689	0.0686	0.0667
730	0.0490	0.0858	0.0761	0.0739	0.1071	0.0951	0.1113	0.0606	0.0693	0.0689	0.0670
729	0.0495	0.0862	0.0765	0.0742	0.1077	0.0955	0.1119	0.0608	0.0697	0.0692	0.0673
728	0.0500	0.0866	0.0768	0.0746	0.1083	0.0960	0.1125	0.0611	0.0702	0.0694	0.0676
727	0.0506	0.0870	0.0772	0.0750	0.1089	0.0964	0.1132	0.0615	0.0706	0.0697	0.0679
726	0.0512	0.0875	0.0776	0.0755	0.1097	0.0967	0.1138	0.0619	0.0710	0.0701	0.0683
725	0.0518	0.0881	0.0780	0.0760	0.1105	0.0971	0.1144	0.0622	0.0714	0.0706	0.0688
724	0.0524	0.0887	0.0785	0.0766	0.1113	0.0977	0.1151	0.0626	0.0719	0.0712	0.0692
723	0.0530	0.0892	0.0789	0.0772	0.1121	0.0983	0.1158	0.0630	0.0723	0.0716	0.0695
722	0.0536	0.0896	0.0793	0.0777	0.1128	0.0989	0.1165	0.0634	0.0727	0.0720	0.0698
721	0.0542	0.0900	0.0796	0.0781	0.1134	0.0994	0.1172	0.0637	0.0729	0.0724	0.0701
720	0.0548	0.0903	0.0798	0.0784	0.1140	0.0999	0.1177	0.0641	0.0731	0.0727	0.0703
719	0.0553	0.0906	0.0799	0.0786	0.1145	0.1004	0.1182	0.0643	0.0733	0.0729	0.0705
718	0.0557	0.0908	0.0800	0.0788	0.1148	0.1009	0.1184	0.0645	0.0735	0.0731	0.0707
717	0.0561	0.0911	0.0802	0.0791	0.1152	0.1012	0.1186	0.0648	0.0738	0.0735	0.0709
716	0.0566	0.0915	0.0804	0.0795	0.1157	0.1017	0.1188	0.0652	0.0743	0.0739	0.0711
715	0.0571	0.0919	0.0806	0.0798	0.1164	0.1021	0.1189	0.0657	0.0747	0.0743	0.0713
714	0.0576	0.0922	0.0808	0.0801	0.1169	0.1025	0.1191	0.0660	0.0750	0.0747	0.0714
713	0.0580	0.0925	0.0810	0.0802	0.1173	0.1028	0.1194	0.0663	0.0752	0.0751	0.0715
712	0.0584	0.0927	0.0813	0.0804	0.1176	0.1031	0.1199	0.0664	0.0754	0.0755	0.0716
711	0.0588	0.0928	0.0814	0.0806	0.1178	0.1034	0.1204	0.0666	0.0756	0.0759	0.0719
710	0.0592	0.0930	0.0816	0.0809	0.1181	0.1037	0.1209	0.0666	0.0757	0.0761	0.0722
709	0.0595	0.0932	0.0817	0.0813	0.1184	0.1041	0.1212	0.0668	0.0759	0.0761	0.0725
708	0.0598	0.0936	0.0818	0.0817	0.1189	0.1045	0.1216	0.0670	0.0761	0.0761	0.0727
707	0.0600	0.0940	0.0819	0.0820	0.1193	0.1049	0.1219	0.0672	0.0764	0.0762	0.0729
706	0.0603	0.0943	0.0820	0.0823	0.1197	0.1052	0.1223	0.0674	0.0766	0.0763	0.0731
705	0.0605	0.0947	0.0820	0.0825	0.1200	0.1055	0.1227	0.0677	0.0768	0.0767	0.0734
704	0.0609	0.0951	0.0821	0.0826	0.1203	0.1058	0.1230	0.0678	0.0770	0.0771	0.0738
703	0.0612	0.0953	0.0823	0.0828	0.1206	0.1062	0.1232	0.0680	0.0772	0.0776	0.0741
702	0.0615	0.0955	0.0825	0.0829	0.1210	0.1065	0.1234	0.0683	0.0774	0.0781	0.0744
701	0.0618	0.0958	0.0828	0.0831	0.1214	0.1069	0.1235	0.0685	0.0777	0.0785	0.0745
700	0.0620	0.0961	0.0829	0.0834	0.1218	0.1072	0.1237	0.0686	0.0779	0.0788	0.0746
699	0.0622	0.0963	0.0830	0.0836	0.1221	0.1074	0.1240	0.0686	0.0781	0.0790	0.0746
698	0.0624	0.0965	0.0830	0.0838	0.1223	0.1076	0.1242	0.0687	0.0781	0.0793	0.0745
697	0.0627	0.0968	0.0832	0.0841	0.1225	0.1080	0.1246	0.0689	0.0783	0.0797	0.0745
696	0.0631	0.0971	0.0835	0.0844	0.1229	0.1084	0.1251	0.0693	0.0786	0.0801	0.0748
695	0.0633	0.0973	0.0838	0.0846	0.1232	0.1086	0.1254	0.0695	0.0789	0.0803	0.0751
694	0.0634	0.0974	0.0839	0.0847	0.1233	0.1087	0.1256	0.0695	0.0791	0.0804	0.0753
693	0.0635	0.0974	0.0841	0.0848	0.1234	0.1087	0.1256	0.0693	0.0792	0.0804	0.0755
692	0.0635	0.0975	0.0842	0.0850	0.1235	0.1090	0.1257	0.0692	0.0793	0.0805	0.0757
691	0.0637	0.0976	0.0843	0.0852	0.1237	0.1093	0.1258	0.0692	0.0796	0.0807	0.0758
690	0.0640	0.0978	0.0844	0.0854	0.1240	0.1096	0.1260	0.0696	0.0798	0.0810	0.0759
689	0.0644	0.0982	0.0847	0.0856	0.1245	0.1100	0.1264	0.0701	0.0800	0.0813	0.0761
688	0.0648	0.0988	0.0849	0.0859	0.1252	0.1105	0.1269	0.0706	0.0802	0.0817	0.0763

687	0.0652	0.0994	0.0851	0.0864	0.1259	0.1112	0.1274	0.0711	0.0804	0.0820	0.0765
686	0.0655	0.1000	0.0851	0.0870	0.1266	0.1118	0.1279	0.0714	0.0807	0.0824	0.0767
685	0.0659	0.1005	0.0853	0.0877	0.1274	0.1126	0.1284	0.0717	0.0813	0.0832	0.0771
684	0.0664	0.1010	0.0859	0.0884	0.1285	0.1136	0.1293	0.0723	0.0821	0.0841	0.0776
683	0.0670	0.1017	0.0866	0.0891	0.1300	0.1146	0.1305	0.0731	0.0829	0.0850	0.0782
682	0.0674	0.1027	0.0875	0.0899	0.1318	0.1158	0.1320	0.0738	0.0839	0.0860	0.0790
681	0.0680	0.1041	0.0885	0.0910	0.1342	0.1174	0.1342	0.0748	0.0851	0.0871	0.0800
680	0.0689	0.1061	0.0899	0.0927	0.1373	0.1195	0.1369	0.0762	0.0869	0.0889	0.0813
679	0.0698	0.1086	0.0916	0.0949	0.1410	0.1223	0.1402	0.0780	0.0890	0.0912	0.0829
678	0.0709	0.1115	0.0937	0.0974	0.1453	0.1256	0.1439	0.0801	0.0914	0.0938	0.0846
677	0.0718	0.1148	0.0960	0.1004	0.1501	0.1295	0.1481	0.0824	0.0939	0.0967	0.0865
676	0.0727	0.1183	0.0984	0.1035	0.1553	0.1338	0.1526	0.0849	0.0966	0.0997	0.0883
675	0.0736	0.1218	0.1009	0.1068	0.1606	0.1381	0.1571	0.0873	0.0994	0.1026	0.0902
674	0.0747	0.1251	0.1033	0.1100	0.1657	0.1421	0.1611	0.0896	0.1022	0.1055	0.0919
673	0.0760	0.1282	0.1056	0.1130	0.1704	0.1458	0.1646	0.0917	0.1048	0.1082	0.0937
672	0.0773	0.1309	0.1076	0.1154	0.1744	0.1488	0.1674	0.0936	0.1071	0.1104	0.0955
671	0.0784	0.1328	0.1090	0.1167	0.1772	0.1509	0.1693	0.0952	0.1087	0.1117	0.0970
670	0.0792	0.1338	0.1098	0.1171	0.1788	0.1523	0.1703	0.0963	0.1096	0.1121	0.0980
669	0.0796	0.1339	0.1097	0.1168	0.1791	0.1534	0.1708	0.0967	0.1100	0.1117	0.0982
668	0.0799	0.1338	0.1090	0.1162	0.1784	0.1541	0.1711	0.0965	0.1099	0.1112	0.0978
667	0.0807	0.1339	0.1086	0.1163	0.1778	0.1547	0.1713	0.0963	0.1100	0.1116	0.0976
666	0.0819	0.1345	0.1090	0.1173	0.1781	0.1549	0.1717	0.0965	0.1102	0.1126	0.0981
665	0.0832	0.1350	0.1096	0.1184	0.1788	0.1549	0.1719	0.0969	0.1105	0.1136	0.0987
664	0.0842	0.1353	0.1099	0.1193	0.1793	0.1549	0.1718	0.0971	0.1106	0.1141	0.0990
663	0.0849	0.1352	0.1100	0.1197	0.1795	0.1548	0.1712	0.0972	0.1106	0.1141	0.0990
662	0.0853	0.1350	0.1097	0.1199	0.1792	0.1543	0.1705	0.0971	0.1105	0.1138	0.0988
661	0.0855	0.1346	0.1095	0.1199	0.1786	0.1537	0.1699	0.0969	0.1104	0.1136	0.0985
660	0.0856	0.1341	0.1092	0.1197	0.1776	0.1531	0.1695	0.0965	0.1101	0.1134	0.0981
659	0.0855	0.1334	0.1087	0.1192	0.1764	0.1525	0.1689	0.0960	0.1095	0.1132	0.0977
658	0.0852	0.1327	0.1080	0.1186	0.1752	0.1521	0.1681	0.0956	0.1087	0.1127	0.0973
657	0.0850	0.1320	0.1075	0.1181	0.1743	0.1520	0.1674	0.0955	0.1081	0.1123	0.0972
656	0.0850	0.1320	0.1074	0.1177	0.1740	0.1522	0.1669	0.0957	0.1079	0.1120	0.0974
655	0.0850	0.1324	0.1072	0.1174	0.1739	0.1522	0.1665	0.0959	0.1080	0.1123	0.0975
654	0.0850	0.1323	0.1073	0.1170	0.1740	0.1521	0.1662	0.0962	0.1084	0.1120	0.0975
653	0.0850	0.1323	0.1075	0.1168	0.1741	0.1519	0.1659	0.0964	0.1083	0.1118	0.0973
652	0.0851	0.1322	0.1076	0.1168	0.1740	0.1518	0.1657	0.0964	0.1084	0.1118	0.0971
651	0.0852	0.1319	0.1074	0.1169	0.1736	0.1516	0.1655	0.0962	0.1088	0.1120	0.0969
650	0.0850	0.1316	0.1072	0.1172	0.1730	0.1516	0.1656	0.0958	0.1093	0.1122	0.0967

WB ITRAX data

Age	CalBP	logSi/logTi	logCa/logTi	logInc/logTi	Ti
	-34.9057	0.736549	1.268398	1.191067	7553.48
	-34.7529	0.746079	1.271339	1.185807	7921.04
	-34.6	0.752355	1.276626	1.18966	7915.48
	-34.4457	0.761366	1.28595	1.192625	7682.88
	-34.2914	0.766763	1.278184	1.184362	8211.92
	-34.1371	0.76849	1.26709	1.178541	8710.36
	-33.9828	0.773099	1.277917	1.183869	8457.92
	-33.8285	0.77411	1.304473	1.198953	7488.56
	-33.6742	0.758938	1.320251	1.207827	6814.32
	-33.5196	0.74944	1.316599	1.209181	6774.16
	-33.3644	0.754308	1.304789	1.206303	6972.32
	-33.2092	0.760433	1.296599	1.196089	7495
	-33.0541	0.762134	1.301333	1.196591	7493.32
	-32.8989	0.763585	1.300151	1.198144	7503.24
	-32.7437	0.769146	1.305618	1.202282	7346
	-32.5886	0.762492	1.301978	1.19838	7573.56
	-32.4332	0.760225	1.280101	1.183694	8461.88
	-32.2776	0.766831	1.263635	1.172419	9279.04
	-32.1221	0.768314	1.265453	1.166124	9572.76
	-31.9666	0.771784	1.292941	1.180472	8487.48
	-31.8111	0.774746	1.307378	1.196793	7459.76
	-31.6555	0.771713	1.304103	1.198016	7521.08
	-31.5	0.761299	1.293229	1.188813	8164.32
	-31.3451	0.756992	1.303852	1.1954	7790.08
	-31.1902	0.761566	1.319472	1.209223	7035.08
	-31.0354	0.76229	1.311887	1.206273	7166.88
	-30.8805	0.767233	1.310846	1.211484	6980.96
	-30.7256	0.767301	1.310716	1.216557	6731.96
	-30.5707	0.758015	1.301174	1.214741	6823.76
	-30.4172	0.751688	1.290785	1.20983	7161.84
	-30.266	0.750184	1.308546	1.215423	6939
	-30.1148	0.763755	1.33883	1.224193	6340.48
	-29.9635	0.771695	1.33916	1.220009	6333.88
	-29.8123	0.769428	1.314594	1.209101	6983.96
	-29.661	0.77225	1.308454	1.194706	7678.88
	-29.5098	0.767447	1.301784	1.181133	8283.96
	-29.3639	0.752237	1.263941	1.162342	9736.16
	-29.2198	0.745239	1.240099	1.155492	10435.88
	-29.0758	0.760066	1.279322	1.187783	8375.56
	-28.9317	0.765104	1.308832	1.206437	7075.6
	-28.7877	0.762682	1.3012	1.204829	7104.08

-28.6436	0.767034	1.301516	1.224627	6421.76
-28.5002	0.751621	1.318919	1.252228	5586.44
-28.364	0.731155	1.333693	1.273246	4918.48
-28.2278	0.742004	1.338412	1.288324	4478.92
-28.0915	0.753591	1.338669	1.284277	4580.32
-27.9553	0.751366	1.324338	1.259277	5302.36
-27.8191	0.750453	1.312691	1.237636	5963.88
-27.6829	0.754279	1.312963	1.23508	6113.64
-27.545	0.757968	1.305849	1.232926	6227.48
-27.4051	0.760185	1.299948	1.228415	6310.8
-27.2652	0.763054	1.312587	1.227225	6294.8
-27.1252	0.753292	1.315968	1.223641	6509.16
-26.9853	0.747656	1.309138	1.229948	6374.08
-26.8454	0.758666	1.319767	1.2436	5847.36
-26.7054	0.762116	1.315027	1.231057	6378.76
-26.5514	0.753823	1.309841	1.224916	6604.76
-26.3931	0.763075	1.320848	1.248094	5679.16
-26.2348	0.764821	1.322432	1.258909	5324.32
-26.0765	0.746601	1.318807	1.245025	5855.32
-25.9182	0.74672	1.327009	1.242426	5875.32
-25.7599	0.759475	1.34854	1.253125	5351.84
-25.5985	0.761039	1.356531	1.256293	5225.36
-25.4119	0.75551	1.355648	1.263602	5073.32
-25.2253	0.755498	1.356385	1.269471	4939.04
-25.0387	0.760923	1.362093	1.267792	4958.76
-24.8521	0.760838	1.359267	1.2624	5116.32
-24.6655	0.760494	1.347091	1.256141	5361.04
-24.4789	0.766065	1.343177	1.253878	5451.76
-24.284	0.767569	1.34387	1.254028	5504.24
-24.0791	0.771878	1.348723	1.258725	5346.88
-23.8742	0.769791	1.343404	1.262172	5238.32
-23.6693	0.771414	1.328866	1.256134	5465.16
-23.4644	0.784021	1.317176	1.241201	6001.4
-23.2595	0.782222	1.316848	1.239046	6083.44
-23.0546	0.767617	1.321285	1.245888	5797.2
-22.8473	0.764102	1.323246	1.252765	5610.56
-22.6393	0.765292	1.318548	1.243058	6025.92
-22.4314	0.771279	1.318482	1.232742	6424.6
-22.2234	0.771267	1.320839	1.235268	6314.8
-22.0154	0.769177	1.30938	1.234978	6352.16
-21.8075	0.767529	1.30817	1.245481	6090.36
-21.6007	0.764269	1.327406	1.257561	5551.04
-21.4015	0.765433	1.34417	1.255171	5362.4
-21.2023	0.75023	1.348116	1.254863	5206.28

-21.0031	0.740539	1.353917	1.256915	5141.6
-20.8039	0.767619	1.373254	1.268641	4870.36
-20.6048	0.78004	1.366923	1.261632	5158.04
-20.4056	0.765178	1.34114	1.238678	5938.4
-20.2094	0.747128	1.31772	1.219284	6815.36
-20.0164	0.738075	1.308753	1.213035	7044.04
-19.8235	0.744043	1.321709	1.226075	6366.12
-19.6305	0.750949	1.325541	1.231123	6165.32
-19.4376	0.750377	1.318122	1.228447	6476.32
-19.2447	0.757673	1.332963	1.244277	5928.88
-19.0517	0.767936	1.353314	1.265078	5034.4
-18.8587	0.768832	1.355223	1.260862	5141.72
-18.6656	0.77475	1.358783	1.255597	5367.76
-18.4726	0.779219	1.362236	1.259639	5394.72
-18.2795	0.784058	1.359474	1.252302	5690.8
-18.0865	0.785798	1.350268	1.227836	6464.72
-17.8934	0.789348	1.343779	1.217123	6815.88
-17.6997	0.781716	1.332917	1.213987	7067.88
-17.5028	0.770161	1.321268	1.216122	6953.36
-17.3058	0.77049	1.326828	1.237968	5851.88
-17.1088	0.761836	1.33576	1.253346	5105.44
-16.9119	0.755369	1.347756	1.257762	5047.44
-16.7149	0.751659	1.348121	1.248874	5428.92
-16.518	0.748582	1.342588	1.248004	5463.36
-16.3227	0.751116	1.336925	1.253376	5379.12
-16.1291	0.766311	1.337397	1.258794	5333.6
-15.9354	0.774136	1.345906	1.263886	5226.2
-15.7418	0.766421	1.33379	1.247355	5785.52
-15.5481	0.764815	1.325783	1.235885	6100.56
-15.3545	0.766208	1.31682	1.220862	6866.48
-15.1609	0.768957	1.307256	1.211657	7401.24
-14.9787	0.778617	1.326683	1.240383	6143
-14.7986	0.77195	1.331837	1.255996	5473.32
-14.6185	0.75396	1.325685	1.248691	5702.2
-14.4383	0.756453	1.344882	1.255924	5411.12
-14.2582	0.764703	1.342442	1.248496	5757.32
-14.0781	0.771295	1.33412	1.245313	5901.04
-13.901	0.770274	1.337873	1.257842	5514.84
-13.7368	0.757598	1.339603	1.254598	5602.56
-13.5726	0.750604	1.345976	1.243847	5937.56
-13.4083	0.762533	1.352004	1.23776	6179.52
-13.2441	0.77158	1.343064	1.236064	6171.68
-13.0799	0.775733	1.322455	1.219157	6932.56
-12.9156	0.773415	1.299384	1.191012	8504.68

-12.7429	0.772093	1.29325	1.186718	8628.12
-12.5628	0.771401	1.301553	1.200257	7797.44
-12.3827	0.765478	1.310841	1.212188	7258.72
-12.2025	0.773016	1.31795	1.216595	7023.72
-12.0224	0.781526	1.311623	1.201726	7710.96
-11.8423	0.776495	1.285973	1.177671	9098.72
-11.6622	0.778971	1.264844	1.162539	10031.6
-11.4322	0.785318	1.263979	1.159528	10230.04
-11.1951	0.775788	1.255671	1.154831	10697.04
-10.958	0.772358	1.253733	1.156513	10622.36
-10.7208	0.7789	1.267351	1.166643	9903.08
-10.4837	0.782225	1.285346	1.181668	8939.52
-10.2466	0.784829	1.3043	1.194508	8087.12
-9.99101	0.774341	1.280111	1.17129	9765.32
-9.66874	0.77241	1.261227	1.163538	10363.2
-9.34647	0.791454	1.281517	1.183372	8945.44
-9.0242	0.794019	1.300712	1.196845	8033.88
-8.70193	0.786741	1.316188	1.216137	6981.48
-8.37966	0.781046	1.326324	1.223453	6556.6
-8.05739	0.786784	1.328584	1.212116	6902.92
-7.70353	0.79091	1.323262	1.203512	7347
-7.32484	0.77934	1.326887	1.206977	7279.96
-6.94615	0.769022	1.340495	1.215818	6698.48
-6.56745	0.783154	1.348933	1.223534	6357.84
-6.18876	0.792015	1.339516	1.216597	6871.4
-5.81006	0.787912	1.324031	1.208233	7327.16
-5.43137	0.789275	1.318576	1.205883	7499.4
-5.04185	0.787477	1.313443	1.200842	7891.24
-4.65116	0.77911	1.307444	1.198737	8161.8
-4.26047	0.783042	1.324409	1.212513	7437.04
-3.86977	0.784596	1.324158	1.210865	7372.12
-3.47908	0.778622	1.306936	1.201069	7910.56
-3.08839	0.781972	1.307365	1.200809	7957.52
-2.70351	0.780801	1.310676	1.19515	8159.08
-2.3366	0.774524	1.304688	1.190912	8458.2
-1.96969	0.777307	1.301511	1.188366	8564
-1.60278	0.780682	1.308125	1.192771	8225.72
-1.23587	0.77467	1.299164	1.186887	8651.92
-0.86896	0.76664	1.285947	1.180995	9013.44
-0.50205	0.770483	1.283301	1.184245	8975.36
-0.14742	0.772861	1.279923	1.178439	9440.6
0.198555	0.766503	1.27545	1.16894	9834.92
0.544534	0.769038	1.281143	1.169598	9489.68
0.890514	0.784398	1.292372	1.183831	8518.08

1.236493	0.791036	1.300026	1.194864	7929.68
1.582472	0.781811	1.302024	1.199408	7760.56
1.928452	0.767778	1.286092	1.194531	8179.28
2.267647	0.759403	1.258105	1.178928	9269.64
2.606326	0.766716	1.235566	1.164163	10347.16
2.945005	0.77344	1.216005	1.154513	11020.2
3.283684	0.769263	1.212696	1.153047	10787.48
3.622363	0.755206	1.240059	1.171722	9138.32
3.961042	0.747908	1.278784	1.20911	7129.72
4.300759	0.748247	1.298596	1.218184	6806.32
4.643257	0.760601	1.305112	1.204997	7311.48
4.985755	0.761374	1.276681	1.178487	9039.2
5.328252	0.752715	1.261218	1.172701	9392.28
5.67075	0.745542	1.27377	1.180432	8692.84
6.013248	0.74106	1.266893	1.16977	9364.64
6.355746	0.733954	1.250769	1.152082	10870.72
6.700442	0.738748	1.248011	1.147606	11216.16
7.046519	0.76374	1.259387	1.161487	10013.8
7.392596	0.766988	1.261816	1.160389	9990.88
7.738673	0.761767	1.254304	1.153903	10402.72
8.08475	0.757321	1.238228	1.145581	11204.16
8.430826	0.757225	1.236405	1.143024	11448.04
8.776903	0.765185	1.237773	1.142144	11512
9.123105	0.768587	1.246078	1.149644	10984.2
9.469312	0.76517	1.260266	1.162638	9815.92
9.815519	0.77163	1.263708	1.167884	9475.24
10.16173	0.775046	1.259165	1.162513	10103.08
10.50793	0.771998	1.259591	1.161266	10320.44
10.85414	0.769393	1.262328	1.164133	10168.88
11.19966	0.752793	1.237173	1.144112	12167.28
11.54355	0.755606	1.237586	1.149286	11734.76
11.88745	0.768105	1.258662	1.16612	10092
12.23134	0.767826	1.259586	1.169544	9775.56
12.57524	0.765521	1.254725	1.171843	9444.08
12.91913	0.768683	1.252122	1.166071	10002.92
13.26303	0.770537	1.247445	1.157136	10928.88
13.60683	0.770882	1.239373	1.151201	11351
13.95059	0.7724	1.237635	1.152235	11072
14.29434	0.768652	1.238993	1.153272	11000.68
14.6381	0.767247	1.241565	1.148338	11430.68
14.98185	0.767545	1.244096	1.145634	11488
15.32561	0.769174	1.238858	1.146926	11369.2
15.66936	0.773713	1.234288	1.148239	11362.36
16.01641	0.767257	1.227919	1.143189	11661.32

16.36351	0.762209	1.222156	1.136109	12118.44
16.71061	0.763443	1.225087	1.13901	11781.88
17.05771	0.76388	1.230463	1.148519	11018
17.40482	0.76345	1.238697	1.149653	10920.64
17.75192	0.763253	1.236915	1.145883	11277.32
18.10075	0.767114	1.234232	1.151435	10933.32
18.45316	0.765553	1.229666	1.151052	11072.68
18.80557	0.766012	1.235319	1.156801	10676.24
19.15798	0.771954	1.244166	1.162772	10226.76
19.51039	0.774975	1.237856	1.155689	11000.68
19.86279	0.774149	1.236599	1.154257	11263.64
20.2152	0.775774	1.240492	1.156716	10948.92
20.56773	0.775072	1.248312	1.164982	10260.48
20.92031	0.771696	1.249716	1.170596	10016.68
21.2729	0.775259	1.245496	1.169856	10184.92
21.62549	0.775333	1.24214	1.173268	10044.08
21.97807	0.774419	1.243267	1.181469	9579.72
22.33066	0.770423	1.240012	1.181495	9202.2
22.68316	0.756154	1.233779	1.179746	9169.92
23.02874	0.75618	1.24548	1.189384	8732.8
23.37432	0.754934	1.248299	1.189226	8795.8
23.7199	0.755427	1.244411	1.188608	8776.36
24.06548	0.763966	1.246678	1.187186	8646.28
24.41106	0.757287	1.247093	1.187612	8663.76
24.75664	0.75091	1.249214	1.19799	8254.76
25.09883	0.74939	1.242677	1.19622	8471.04
25.4348	0.73762	1.232336	1.184375	9232.36
25.77078	0.73578	1.236603	1.187754	8804.4
26.10676	0.732292	1.245247	1.201649	7802.68
26.44274	0.733686	1.243999	1.20808	7736.52
26.77872	0.749306	1.246911	1.21886	7607.52
27.1147	0.762656	1.260656	1.242864	6673.72
27.45717	0.756721	1.261689	1.2463	6286.4
27.80248	0.736499	1.247175	1.23491	6576.44
28.14779	0.706858	1.23105	1.238107	6452.52
28.49311	0.692659	1.213247	1.235671	6628.16
28.83842	0.690396	1.209192	1.222691	7355.36
29.18373	0.693507	1.198511	1.229602	7185.28
29.53036	0.699272	1.193328	1.254683	6101.44
29.91025	0.702015	1.214804	1.276879	5248.52
30.29013	0.725271	1.237303	1.282343	4987
30.67002	0.730654	1.236779	1.277835	5047.4
31.04991	0.734088	1.224966	1.278165	5152.24
31.42979	0.741852	1.2114	1.277445	5328.24

31.80968	0.732608	1.208762	1.269216	5524.64
32.20529	0.710309	1.203569	1.249683	6154.88
32.62651	0.707411	1.193784	1.24163	6454.76
33.04773	0.733046	1.210633	1.242988	6371.44
33.46895	0.740941	1.223126	1.236671	6681.28
33.89016	0.740259	1.219461	1.21361	7882.56
34.31138	0.74664	1.220446	1.192102	8892.76
34.7326	0.750411	1.214816	1.186697	9145.2
35.12512	0.744643	1.198044	1.181376	9618.52
35.50663	0.747622	1.184761	1.16784	10794.64
35.88814	0.756662	1.177693	1.148126	12480.84
36.26965	0.759926	1.172006	1.137702	13444.28
36.65116	0.751853	1.161579	1.131718	14350.04
37.03267	0.749146	1.163515	1.142913	13583.72
37.4046	0.757211	1.16884	1.158096	11978.2
37.63933	0.75662	1.160664	1.154829	11930.72
37.87405	0.749483	1.150272	1.147043	12307.84
38.10877	0.746091	1.141635	1.149064	12090.4
38.34349	0.74384	1.127588	1.14533	12811.12
38.57822	0.74329	1.11871	1.137352	13775.72
38.81294	0.73983	1.113347	1.128229	14432.4
38.97323	0.741524	1.111047	1.127947	14234.56
39.02535	0.743139	1.098606	1.137386	13264.12
39.07746	0.741345	1.083727	1.131406	14030.28
39.12958	0.74525	1.079795	1.11975	15463.64
39.1817	0.750719	1.077637	1.111257	16561.24
39.23381	0.756414	1.087929	1.105033	17398.68
39.28593	0.755676	1.100033	1.101315	17972.28
39.43123	0.751911	1.104214	1.1032	17866.52
39.60759	0.752127	1.115121	1.106102	17535.12
39.78395	0.757055	1.125584	1.103708	17773.6
39.96032	0.757616	1.119032	1.096147	18474
40.13668	0.760157	1.112577	1.094189	18864.48
40.31304	0.763452	1.110152	1.096112	19798.24
40.53874	0.763799	1.116381	1.101108	19116.48
41.24906	0.759333	1.126769	1.10693	17266.12
41.95939	0.756333	1.118952	1.102151	17729.08
42.66971	0.760549	1.111838	1.101071	18066.28
43.38004	0.767299	1.105937	1.099297	18684.28
44.09036	0.769971	1.094573	1.088069	20536.4
44.80069	0.767315	1.101551	1.082062	20816.64
45.87292	0.767123	1.118596	1.085438	19775.08
47.41561	0.763631	1.127328	1.090292	19239.32
48.95831	0.759547	1.125456	1.093001	18976.36

50.50101	0.760689	1.115142	1.092947	18823.68
52.04371	0.758925	1.103447	1.091073	19465.6
53.5864	0.759607	1.092825	1.091236	20025.24
55.1291	0.757102	1.07805	1.087803	20756.36
57.12942	0.751113	1.073493	1.083512	21366.8
59.26094	0.749468	1.082583	1.084369	21196.44
61.39246	0.746511	1.085261	1.085712	20957.56
63.52397	0.751676	1.077663	1.084931	21054.76
65.65549	0.756974	1.075317	1.087512	20508.92
67.78701	0.757109	1.070762	1.090499	19813.6
69.94013	0.758383	1.063567	1.091498	20085.88
72.25225	0.756652	1.068689	1.091284	20395.84
74.56436	0.75763	1.075372	1.09143	20430.16
76.87648	0.761042	1.079128	1.091798	20697.56
79.1886	0.76202	1.088295	1.094299	20349.92
81.50072	0.75834	1.103988	1.102825	18709.16
83.81283	0.750637	1.126517	1.110508	16939.6
86.05171	0.740487	1.126646	1.115203	15934.44
88.20529	0.740938	1.104328	1.116725	16264.92
90.35887	0.751162	1.077264	1.1051	18533.08
92.51245	0.758777	1.057987	1.085636	20943.72
94.66603	0.762815	1.067325	1.077084	21824.08
96.81961	0.764504	1.086101	1.082265	21246.04
98.97319	0.76208	1.096594	1.085657	20853.32
101.0005	0.75468	1.103242	1.085569	20922.04
102.9971	0.749396	1.120501	1.096964	19078.08
104.9937	0.751714	1.135539	1.109101	16952.64
106.9903	0.757725	1.131914	1.110164	16260.6
108.9868	0.758988	1.114896	1.107933	16719.52
110.9834	0.754643	1.100034	1.10685	17278.32
112.9726	0.756081	1.096188	1.104173	17766.4
114.9185	0.76276	1.105754	1.097798	18184.16
116.8644	0.763811	1.118784	1.093039	18225.8
118.8103	0.764206	1.121337	1.093624	18586.84
120.7563	0.762518	1.108313	1.092297	19627
122.7022	0.760432	1.09829	1.08996	20364.68
124.6481	0.761256	1.113895	1.091365	20019.6
126.6119	0.752598	1.122743	1.097349	19139.48
128.5945	0.742805	1.106498	1.10477	18168.04
130.5771	0.749964	1.103119	1.106975	17837.88
132.5597	0.757687	1.115531	1.097213	18859.2
134.5423	0.758454	1.115712	1.087147	20008.76
136.5249	0.760032	1.093803	1.084223	20628.96
138.5074	0.758727	1.074395	1.08193	20798.08

140.5142	0.759888	1.087141	1.088143	19825.56
142.526	0.759009	1.088173	1.086994	20408.92
144.5377	0.758613	1.06169	1.078974	21884.84
146.5494	0.759609	1.029157	1.073048	22894.68
148.5611	0.759049	1.008395	1.070492	23345.52
150.5728	0.761859	1.013389	1.075878	22901.56
152.5831	0.763033	1.031225	1.082158	22049.64
154.5869	0.757625	1.04733	1.0898	20523.12
156.5906	0.757826	1.05788	1.097489	19283.04
158.5944	0.767129	1.044266	1.092377	19917.64
160.5981	0.771919	1.022271	1.075853	22513.2
162.6019	0.771103	1.024142	1.067759	24140.8
164.6056	0.769376	1.024566	1.07088	23832.64
166.5914	0.770263	1.01164	1.07121	23968.92
168.5605	0.770045	0.997283	1.068196	24125.08
170.5296	0.763841	0.9906	1.071521	22455.8
172.4986	0.764589	0.985362	1.077247	21753.08
174.4677	0.77243	0.975173	1.076835	23215.36
176.4367	0.768454	0.967884	1.076647	22995.96
178.4058	0.75598	0.958522	1.07985	22321.92
180.3669	0.751024	0.95187	1.081138	22777.56
182.3268	0.753547	0.951882	1.076632	23725.88
184.2867	0.759424	0.962185	1.066664	25505.44
186.2466	0.765135	0.983032	1.060133	26577.36
188.2065	0.766109	0.992008	1.060104	26362.72
190.1664	0.763217	0.997746	1.059302	26174.6
192.1328	0.766275	1.003889	1.057903	26307.84
194.1256	0.771975	0.995703	1.056199	26776.8
196.1183	0.768097	0.992657	1.055569	26941.32
198.111	0.765497	1.000694	1.056039	26637.8
200.1037	0.764623	1.007914	1.053011	27474.64
202.0964	0.761058	1.020215	1.057369	26772.04
204.0891	0.763482	1.038896	1.064897	25039.76
206.1171	0.765394	1.048567	1.06623	24903.08
208.1747	0.764014	1.049619	1.068057	24569
210.2324	0.762616	1.033984	1.064805	25571.68
212.29	0.75875	1.000909	1.056048	28063.4
214.3477	0.76358	0.976476	1.051556	29538.28
216.4053	0.768428	0.956847	1.04751	30504.04
218.463	0.767093	0.940465	1.041735	31486.52
220.5619	0.765298	0.943603	1.045221	30658.92
222.6661	0.762061	0.957676	1.048961	29709.44
224.7703	0.762044	0.977621	1.050268	28854.2
226.8745	0.760776	0.984737	1.055921	27628.12

228.9787	0.762789	0.984032	1.057194	27591.12
231.0829	0.766325	0.977762	1.055166	27694
233.1899	0.766021	0.963552	1.052816	26363.52
235.3061	0.766466	0.959028	1.049016	26151.16
237.4224	0.760242	0.957593	1.05435	26575.92
239.5386	0.750653	0.97229	1.066934	25373.04
241.6549	0.750815	0.974448	1.068418	25580.56
243.7712	0.758824	0.96083	1.062807	26817.84
245.8874	0.763731	0.969208	1.059772	27475.52
247.9943	0.766315	0.964508	1.056773	28316.8
250.0942	0.767631	0.947722	1.051188	29765
252.194	0.764305	0.953851	1.050774	29353.48
254.2939	0.764701	0.961843	1.052148	27634.6
256.3937	0.766095	0.970466	1.052466	26737.84
258.4936	0.76496	0.968164	1.053302	27584
260.5935	0.768561	0.940898	1.046173	30412.92
262.6809	0.76786	0.923959	1.040784	31913.84
264.7672	0.764701	0.934389	1.047428	30497.48
266.8534	0.761919	0.937547	1.053087	28834.56
268.9397	0.765272	0.933299	1.048773	29269.96
271.0259	0.770888	0.944933	1.047465	29148.8
273.1122	0.771155	0.961482	1.051261	26849.68
275.1983	0.772788	0.970427	1.051392	25843.2
277.2838	0.773694	0.975357	1.050848	27282.76
279.3694	0.77667	0.995113	1.055231	27793.64
281.455	0.774214	1.012788	1.058784	27336.8
283.5406	0.765835	1.032972	1.071126	24891.16
285.6261	0.757452	1.050257	1.098892	19885.56
287.7117	0.759661	1.047726	1.106258	18560.36
289.8028	0.76949	1.044106	1.100046	19633.48
291.8977	0.765549	1.040863	1.102255	19338.56
293.9926	0.759607	1.043693	1.105001	18640.84
296.0874	0.755824	1.059561	1.115212	16902.44
298.1823	0.753556	1.088976	1.124433	15359.32
300.2771	0.756682	1.132113	1.131448	14172.56
302.372	0.760571	1.158611	1.13845	13339.8
304.4705	0.765131	1.169604	1.138873	13368.24
306.5691	0.767016	1.186173	1.147477	12552
308.6678	0.769967	1.201128	1.162114	11264.96
310.7665	0.772401	1.209569	1.168405	10697.24
312.8652	0.774956	1.209271	1.16474	10868
314.9639	0.775772	1.219936	1.168243	10397.72
317.0607	0.778144	1.241586	1.17559	9807.96
319.1527	0.783101	1.261097	1.182562	9376.16

321.2447	0.773825	1.278912	1.187357	8918.76
323.3367	0.76944	1.279893	1.187038	8925
325.4287	0.762679	1.268657	1.191728	8788.76
327.5208	0.753872	1.254476	1.19436	8782.6
329.6128	0.75817	1.238392	1.194677	8823.84
331.6966	0.752271	1.22599	1.199975	8625.84
333.7755	0.742574	1.229162	1.212972	7981.48
335.8545	0.741249	1.232338	1.225067	7224.88
337.9334	0.729543	1.223869	1.244889	6387.08
340.0123	0.742967	1.222451	1.261479	5918.16
342.0912	0.750104	1.209766	1.257885	5999.68
344.1701	0.733783	1.187263	1.247765	6116.88
346.2512	0.734821	1.163504	1.237346	6150.2
348.3323	0.730673	1.119914	1.218842	7106.92
350.4134	0.733586	1.109602	1.216373	7638.52
352.4945	0.742952	1.116473	1.216592	7751.12
354.5756	0.7459	1.111708	1.194563	8937.44
356.6567	0.753353	1.114326	1.172805	10375.04
358.7454	0.758221	1.113775	1.16091	11429.24
360.8512	0.755782	1.13214	1.16759	10917.12
362.9569	0.745265	1.153844	1.185721	9584.64
365.0626	0.740285	1.14491	1.194051	8996.08
367.1684	0.741634	1.114131	1.202027	8492.84
369.2741	0.75046	1.093436	1.188252	9511.56
371.3798	0.75381	1.079897	1.159071	11745.04
373.5129	0.752256	1.053112	1.146241	13165.84
375.6606	0.756733	1.044338	1.141626	13668.68
377.8083	0.753582	1.05621	1.144674	13094.16
379.956	0.747563	1.056114	1.148738	12355.8
382.1036	0.738891	1.057045	1.157505	11610.36
384.2513	0.743911	1.06279	1.156402	12091.56
386.399	0.754743	1.076335	1.145851	13068.4
388.5782	0.758507	1.095771	1.140161	13404.76
390.7576	0.759804	1.090299	1.138428	13603.68
392.937	0.759734	1.059614	1.131307	14614.04
395.1164	0.763886	1.034718	1.12426	15503.28
397.2958	0.766944	1.035402	1.1258	15335
399.4752	0.766464	1.049746	1.125367	15422.6
401.6588	0.762923	1.044552	1.126686	15053.2
403.8505	0.752769	1.020276	1.133354	14251.92
406.0421	0.741154	1.02133	1.15001	12782.12
408.2338	0.74205	1.054934	1.165128	11478.24
410.4255	0.747893	1.062872	1.16881	11138.04
412.6172	0.742878	1.048247	1.16467	11180.68

414.8088	0.742618	1.05057	1.162457	11260.4
416.9974	0.750551	1.061152	1.167956	10953.04
419.1845	0.746979	1.073525	1.174207	10611.64
421.3716	0.751447	1.082921	1.179693	10203.8
423.5587	0.756748	1.079228	1.180474	10161.72
425.7458	0.74923	1.086274	1.177728	10316.4
427.9329	0.735804	1.081021	1.185398	9325.84
430.1199	0.71369	1.053343	1.199526	8416.4
432.2998	0.713205	1.067776	1.194637	8997.84
434.4797	0.734449	1.097053	1.184017	9699.48
436.6596	0.742806	1.101814	1.182859	9820.56
438.8395	0.739919	1.096773	1.19042	9477.76
441.0194	0.739421	1.109272	1.201914	8840.2
443.1993	0.737928	1.106236	1.198975	8919.4
445.3773	0.744466	1.094442	1.195528	9111.08
447.5522	0.74766	1.118681	1.198391	8990.84
449.7271	0.747389	1.141109	1.215724	8076.56
451.9019	0.747284	1.136152	1.22917	7227
454.0768	0.740341	1.120402	1.220668	7476.12
456.2516	0.742274	1.108601	1.206253	8245.68
458.4265	0.753463	1.114996	1.195737	8994.76
460.5998	0.754965	1.135098	1.19285	9323.08
462.7724	0.758107	1.152341	1.197355	9057.52
464.945	0.756084	1.162585	1.203113	8626.32
467.1177	0.752163	1.152172	1.196929	8974.28
469.2903	0.746108	1.130184	1.188222	9434.72
471.4629	0.738793	1.100574	1.179363	10014.76
473.6357	0.749853	1.110708	1.183806	9718.92
475.8124	0.751799	1.138784	1.196869	8977.76
477.989	0.73597	1.155073	1.201984	8777.48
480.1656	0.730801	1.172029	1.212202	8098.36
482.3423	0.728119	1.156301	1.214088	7948.88
484.5189	0.725716	1.165432	1.211713	7909.56
486.6956	0.726022	1.199231	1.214665	7595.36
488.8767	0.734035	1.204636	1.221547	7311.2
491.0647	0.737476	1.199911	1.235242	6731.68
493.2528	0.729574	1.216813	1.244223	6408.96
495.4409	0.734115	1.227022	1.24247	6487.48
497.629	0.741918	1.203788	1.241994	6438.96
499.8171	0.737128	1.182485	1.23607	6776.6
502.0051	0.741988	1.196733	1.221395	7569.8
504.2037	0.74456	1.233041	1.221123	7544.8
506.406	0.739822	1.258457	1.229062	7011.12
508.6083	0.761028	1.250264	1.208732	7998.76

510.8107	0.776045	1.224928	1.17507	10033.48
513.013	0.776929	1.1995	1.152231	11893.88
515.2153	0.765216	1.180938	1.130773	14144.08
517.417	0.755001	1.18933	1.13339	13984.76
519.6106	0.750485	1.20362	1.152775	11987.28
521.8043	0.736736	1.223364	1.178106	9981.48
523.9979	0.727032	1.226484	1.206848	8166.2
526.1915	0.737573	1.21124	1.212291	7920.68
528.3851	0.75205	1.190337	1.197924	8797.36
530.5788	0.744578	1.182409	1.200202	8727.8
532.7554	0.725368	1.172357	1.209731	8270.2
534.9085	0.717867	1.157237	1.20599	8574.92
537.0615	0.738219	1.190647	1.207174	8328.64
539.2146	0.752221	1.213386	1.198871	8716.04
541.3676	0.749135	1.21943	1.191197	9091.16
543.5206	0.742469	1.228832	1.195146	8755.96
545.6737	0.742069	1.215535	1.19866	8602.04
547.7774	0.747369	1.203907	1.204373	8422.16
549.8655	0.743319	1.208385	1.204251	8425.8
551.9537	0.734181	1.202044	1.188685	9384.76
554.0418	0.734075	1.181523	1.1805	10058.32
556.13	0.742951	1.159859	1.178305	10332.24
558.2182	0.74837	1.1396	1.176033	10580.04
560.3016	0.745758	1.135043	1.192678	9321.12
562.3435	0.732492	1.140163	1.200735	8605.52
564.3854	0.73307	1.143988	1.192241	8969.96
566.4273	0.74121	1.15629	1.180959	9755.96
568.4692	0.742917	1.137259	1.169832	10749.4
570.5111	0.744712	1.082079	1.164382	11343.92
572.553	0.744452	1.057467	1.155308	12316.36
574.5894	0.753176	1.05481	1.14453	13435.24
576.6188	0.753926	1.072554	1.143815	13369.12
578.6481	0.745936	1.090667	1.145428	12939.36
580.6775	0.746668	1.086411	1.139549	13571.04
582.7069	0.748082	1.084168	1.13887	13581.64
584.7363	0.745776	1.080792	1.148213	12749.24
586.7657	0.738055	1.081812	1.161347	11592.28
588.8075	0.743497	1.083372	1.164429	11396.68
590.8527	0.758694	1.084146	1.150048	12984.64
592.8979	0.759935	1.080301	1.140547	13668.24
594.9431	0.75026	1.073872	1.143528	13118.8
596.9883	0.736276	1.074255	1.151988	12113.68
599.0335	0.732276	1.073739	1.157725	11505.24
601.0805	0.724817	1.088863	1.175691	10348.48

603.1392	0.719628	1.118136	1.192491	9157.6
605.1979	0.717034	1.120073	1.198706	8811.4
607.2565	0.708679	1.097815	1.208441	8276.68
609.3152	0.721597	1.09598	1.213587	7944.24
611.3739	0.733677	1.116648	1.208678	8304.36
613.4326	0.737915	1.141309	1.200336	8733.44
615.4914	0.740579	1.160707	1.203335	8463.24
617.5504	0.739155	1.171681	1.215807	7813.92
619.6094	0.721574	1.166006	1.226404	7369.88
621.6683	0.715431	1.183008	1.238595	6820.72
623.7273	0.727316	1.223675	1.250831	6115.8
625.7862	0.743305	1.202458	1.238058	6668.12
627.8452	0.746023	1.172611	1.229994	7075.96
629.8969	0.731141	1.158718	1.235921	6880
631.9469	0.736426	1.137581	1.223043	7617.72
633.9969	0.744942	1.139945	1.213737	8032.08
636.0469	0.748644	1.155744	1.217834	7739.68
638.097	0.75355	1.152455	1.221274	7568.84
640.147	0.752139	1.153403	1.232743	7026.68
642.1978	0.738707	1.150729	1.241578	6658.16
644.253	0.733272	1.143952	1.243903	6643.04
646.3083	0.732924	1.173113	1.253087	6261.48
648.3635	0.734629	1.170282	1.250219	6354.24
650.4187	0.741063	1.145871	1.231213	7154.08
652.474	0.742621	1.158883	1.225869	7329.04
654.5292	0.747253	1.174903	1.219965	7722.32
656.5983	0.753406	1.180498	1.214646	8039.24
658.6813	0.758192	1.168568	1.221367	7628.68
660.7643	0.753318	1.152912	1.217967	7702.68
662.8473	0.738052	1.159526	1.213445	7765.92
664.9303	0.735006	1.175894	1.219139	7495.24
667.0133	0.730478	1.174011	1.202234	8708.52
669.0963	0.727896	1.162715	1.191135	9377.16
671.2111	0.734568	1.14785	1.191181	9296.56
673.3318	0.742273	1.1316	1.173198	10456.36
675.4526	0.752776	1.130561	1.161146	11394.96
677.5734	0.760559	1.142665	1.156408	11762.92
679.6942	0.760097	1.147364	1.157084	11609.6
681.8149	0.756119	1.148402	1.162788	11250.24
683.9309	0.755618	1.159827	1.168739	10823.04
686.026	0.757171	1.167262	1.171961	10500.56
688.121	0.759844	1.172385	1.16975	10526.92
690.2161	0.764849	1.168175	1.166054	10799.16
692.3111	0.764382	1.149641	1.160027	11458.4

694.4062	0.751076	1.123573	1.157005	11880.64
696.5012	0.732314	1.108232	1.160589	11735.32
698.5351	0.737609	1.122289	1.172793	10771.64
700.5142	0.752839	1.152246	1.185953	9685.16
702.4932	0.748039	1.163249	1.195301	9030.16
704.4723	0.740345	1.159175	1.202817	8551.4
706.4513	0.752913	1.134347	1.194893	9266.12
708.4304	0.766836	1.10003	1.173199	11027.68
710.4095	0.759332	1.08349	1.163638	11637.64
712.2279	0.752451	1.07486	1.163632	11400.4
714.0221	0.755792	1.07986	1.158087	11905.6
715.8164	0.758402	1.086062	1.154807	12330.68
717.6107	0.744444	1.089806	1.164693	11496.68
719.405	0.738084	1.098282	1.183101	10039.88
721.1993	0.746798	1.107743	1.195676	9079.08
722.9669	0.744159	1.112026	1.200054	8778.96
724.6352	0.739691	1.124336	1.215996	7726.52
726.3036	0.731418	1.113812	1.228504	6853.84
727.9719	0.73585	1.101076	1.211676	8002.08
729.6403	0.747275	1.115225	1.202923	8570.96
731.3086	0.73946	1.118153	1.209494	8096.04
732.977	0.741619	1.11632	1.202865	8596.96
734.6342	0.752949	1.131707	1.190668	9357.52
736.2824	0.753974	1.148923	1.188853	9384.68
737.9307	0.747883	1.149912	1.192053	9135.2
739.5789	0.745314	1.147701	1.200853	8614.52
741.2272	0.749528	1.146027	1.204413	8513.28
742.8754	0.750557	1.127924	1.191537	9381.52
744.5237	0.745194	1.109501	1.184712	9903.28
746.233	0.744778	1.101022	1.187583	9777.32
747.9494	0.739163	1.096426	1.192807	9430.52
749.6658	0.740801	1.080542	1.194444	9323.64
751.3822	0.743431	1.061054	1.182551	10150
753.0986	0.744216	1.0556	1.191988	9440.32
754.815	0.749016	1.062247	1.19184	9401.12
756.5434	0.742758	1.056697	1.17316	10806.56
758.3101	0.740992	1.050117	1.179747	10385.04
760.0769	0.749896	1.066565	1.182966	10201.4
761.8436	0.753472	1.068031	1.158686	12190.4
763.6103	0.747811	1.060456	1.137799	13960.36
765.3771	0.747076	1.054874	1.140863	13677.68
767.1438	0.750779	1.054929	1.147676	13076
768.9065	0.754496	1.062206	1.15074	12922.88
770.6663	0.755972	1.058583	1.142485	14010.72

772.4261	0.758527	1.05452	1.133465	14991.44
774.1859	0.756226	1.042555	1.130661	14999.6
775.9457	0.75966	1.031262	1.123946	15686.08
777.7055	0.770367	1.030399	1.109977	17870.72
779.4654	0.769554	1.015939	1.099374	19488.32
781.18	0.76409	1.006767	1.097098	19357.48
782.8908	0.755842	0.998633	1.097924	19150.88
784.6017	0.751256	0.990512	1.103194	18479.32
786.3126	0.749247	0.993205	1.104257	18280
788.0235	0.754283	1.015544	1.098835	19206.92
789.7344	0.762932	1.016298	1.092906	20110.4
791.446	0.76568	1.003078	1.092439	20099.4
793.1596	0.763262	0.995151	1.101062	19020.96
794.8731	0.764396	0.989995	1.107309	18277.84
796.5867	0.7634	0.988468	1.107607	18217.08
798.3003	0.762747	0.980466	1.106008	18512.84
800.0139	0.76159	0.979188	1.102383	18682.52
801.7274	0.758793	0.993198	1.103942	18055.6
803.4955	0.759059	1.009792	1.112008	17243.56
805.2987	0.752025	1.013231	1.119917	16574.28
807.1018	0.748561	1.014859	1.123565	16000.52
808.905	0.750664	1.011372	1.126182	15500.08
810.7081	0.756852	1.012404	1.125601	15419.96
812.5113	0.765825	1.014125	1.119424	16252.12
814.3144	0.767362	1.029696	1.117042	16523.76
816.2478	0.760988	1.042214	1.116328	16451.48
818.1878	0.760888	1.028821	1.117724	16375.8
820.1279	0.763495	1.02251	1.114902	16700.84
822.0679	0.761128	1.02138	1.115054	16782.04
824.008	0.761526	1.013233	1.120606	16231.4
825.948	0.758951	1.019769	1.129519	14989.48
827.8704	0.753671	1.035881	1.140465	13572.68
829.7503	0.754008	1.039162	1.147307	12907.12
831.6302	0.753728	1.038346	1.155607	12292.28
833.51	0.757082	1.061013	1.16507	11588.72
835.3899	0.758712	1.094991	1.163942	11575.56
837.2698	0.759812	1.111536	1.157496	11934.32
839.1497	0.765335	1.093831	1.14944	12793.28
840.8067	0.763569	1.073025	1.145443	13283.04
842.3362	0.763781	1.075245	1.14955	12911.32
843.8657	0.762426	1.052793	1.147627	13032
845.3952	0.754977	1.032145	1.155199	12237.6
846.9247	0.758343	1.033694	1.164868	11429.88
848.4542	0.766261	1.035505	1.166796	11479.88

849.9837	0.767505	1.037502	1.159527	12180.4
850.9447	0.762874	1.038927	1.151324	12918.72
851.8931	0.763161	1.044256	1.146082	13322.44
852.8416	0.768921	1.050268	1.149511	12884.8
853.79	0.764399	1.060061	1.162222	11852.2
854.7384	0.753564	1.063459	1.168446	11489.92
855.6868	0.748855	1.060738	1.180221	10515.4
856.4946	0.738903	1.046049	1.194922	9247.64
857.0046	0.728723	1.057615	1.195363	9177.92
857.5145	0.741211	1.086047	1.185771	9885.24
858.0244	0.741541	1.082334	1.190294	9618.72
858.5344	0.738212	1.080107	1.197711	9076.52
859.0443	0.750944	1.093879	1.192537	9304.4
859.5542	0.75039	1.096667	1.193395	9213.12
859.9634	0.743146	1.086458	1.203884	8738.36
860.3213	0.738827	1.070407	1.221649	7745.24
860.6793	0.747277	1.053949	1.21876	7831.28
861.0372	0.757078	1.054442	1.201792	8842.48
861.3951	0.755003	1.074206	1.205178	8614.56
861.7531	0.750091	1.088418	1.203891	8724.24
862.1115	0.742602	1.096341	1.201014	8964.64
862.5677	0.738808	1.104976	1.211141	8414.4
863.0238	0.738659	1.125227	1.231236	7293.08
863.4799	0.730002	1.129082	1.230854	7217.52
863.9361	0.721915	1.10893	1.215172	7964.8
864.3922	0.73566	1.110706	1.208005	8297.28
864.8483	0.748558	1.118211	1.201132	8698.36
865.345	0.746506	1.106105	1.197585	8976.36
865.9177	0.738965	1.105116	1.198434	8966.6
866.4904	0.730127	1.109376	1.203751	8579.68
867.0631	0.734776	1.10024	1.202762	8581.56
867.6357	0.745575	1.116472	1.208763	8257.24
868.2084	0.749041	1.149274	1.21724	7837.44
868.7811	0.749371	1.141622	1.212699	8107.76
869.3845	0.756075	1.130058	1.206513	8440.56
870.0016	0.769598	1.152867	1.197074	8916.24
870.6188	0.775957	1.161232	1.180939	9910.96
871.2359	0.76957	1.152891	1.170413	10595.44
871.853	0.771465	1.156046	1.172019	10481.28
872.4702	0.776947	1.166529	1.179428	10116.24
873.0867	0.771131	1.183608	1.186774	9668.88
873.6848	0.763105	1.19334	1.199853	8727.2
874.283	0.770372	1.205002	1.210303	7913.36
874.8811	0.775214	1.218818	1.2086	8001.6

875.4793	0.760492	1.221816	1.231011	7230.92
876.0774	0.751742	1.239327	1.261568	6067.44
876.6756	0.756333	1.265876	1.261408	5980.96
877.2641	0.751843	1.266801	1.246276	6411.56
877.8365	0.743331	1.248656	1.242365	6493.96
878.4089	0.748235	1.242467	1.240494	6579.8
878.9812	0.758008	1.233609	1.220012	7482.16
879.5536	0.764333	1.222464	1.199787	8495.28
880.126	0.762739	1.206959	1.185531	9421
880.6984	0.76206	1.185531	1.175837	10183.48
881.2635	0.76736	1.188193	1.169159	10646.04
881.8258	0.779708	1.202454	1.16806	10288.92
882.388	0.782918	1.194618	1.171133	10128.2
882.9503	0.769302	1.18011	1.163047	11091.44
883.5125	0.757609	1.167579	1.15247	12112.68
884.0748	0.76153	1.152839	1.149574	12608.72
884.6373	0.779894	1.153541	1.163046	11286.16
885.2031	0.780261	1.155196	1.170298	9676.28
885.769	0.770196	1.155384	1.174516	9370.52
886.3349	0.763491	1.162466	1.202726	8521.8
886.9007	0.749942	1.155524	1.231335	7261.76
887.4666	0.750864	1.142194	1.246264	6670.56
888.0324	0.761389	1.121124	1.241459	6915.44
888.6003	0.757362	1.113291	1.233848	7190.76
889.1711	0.750379	1.12379	1.238167	6992.92
889.7418	0.752	1.117188	1.230176	7261
890.3126	0.758525	1.122848	1.202514	8640.2
890.8834	0.765375	1.130379	1.183972	9893
891.4542	0.768046	1.125333	1.173955	10838.28
892.025	0.771008	1.118857	1.166376	11255.2
892.5967	0.77614	1.124171	1.172443	10525.68
893.1687	0.77512	1.130588	1.1744	10562.6
893.7407	0.766785	1.118979	1.168566	11288.44
894.3128	0.758237	1.108478	1.170586	11147.28
894.8848	0.755576	1.105287	1.179597	10510.2
895.4568	0.758332	1.098049	1.188221	9976.32
896.0287	0.766306	1.090694	1.192689	9723.76
896.5989	0.767691	1.084265	1.193219	9668
897.1691	0.770479	1.084097	1.187613	10047
897.7393	0.772785	1.082746	1.170808	11294.68
898.3095	0.763642	1.079874	1.153057	12691.64
898.8797	0.759494	1.074227	1.150406	12782.6
899.4499	0.763629	1.068948	1.151391	12613.56
900.0196	0.765909	1.063534	1.147339	13053.6

900.5888	0.76541	1.057802	1.145117	13244.36
901.1579	0.768879	1.068738	1.143188	13323.68
901.7271	0.764718	1.076396	1.139653	13772.84
902.2962	0.756833	1.068039	1.140788	13587.12
902.8654	0.762201	1.06607	1.14543	12721
903.4345	0.762674	1.073023	1.156036	11567.52
904.0047	0.755844	1.07334	1.168463	10881.72
904.5752	0.753389	1.072841	1.161219	11806.52
905.1457	0.749826	1.069411	1.142545	13461.72
905.7161	0.755569	1.06602	1.139095	13892.36
906.2866	0.763073	1.0599	1.141248	13708
906.8571	0.767628	1.05812	1.13933	14037.6
907.4279	0.770894	1.053918	1.136332	14552.28
908.0016	0.76529	1.03374	1.12979	15188.68
908.5753	0.762366	1.023005	1.126601	15526.28
909.149	0.75995	1.01841	1.123489	15914.24
909.7227	0.762182	1.016919	1.116163	16606.96
910.2964	0.766102	1.029682	1.118084	16310.72
910.8701	0.763618	1.066467	1.129092	14905.88
911.4447	0.762995	1.084685	1.137914	13946.8
912.0205	0.758475	1.075193	1.141806	13638.76
912.5962	0.753974	1.068861	1.147563	13009.68
913.1719	0.757541	1.077783	1.153835	12176.76
913.7476	0.753344	1.093666	1.15397	12059.68
914.3234	0.754341	1.096195	1.15406	12204.52
914.8991	0.766758	1.100381	1.152063	12448.72
915.4745	0.776468	1.103566	1.150293	12557.32
916.0498	0.781593	1.101256	1.15365	12349.72
916.625	0.778145	1.106733	1.15119	12603.36
917.2003	0.770847	1.083755	1.141445	13729.88
917.7756	0.772276	1.059918	1.13967	14183.04
918.3509	0.781498	1.055223	1.13773	14284.4
918.9258	0.786793	1.054144	1.129107	15071.04
919.4985	0.788321	1.073576	1.124345	15571.44
920.0712	0.79012	1.081765	1.122609	15999.36
920.6439	0.786691	1.071707	1.122085	16401.04
921.2166	0.77736	1.065181	1.118714	17032.04
921.7893	0.775121	1.068694	1.113681	17271.76
922.362	0.773369	1.0688	1.106951	17572.04
922.9335	0.776024	1.067968	1.107177	17485.2
923.5035	0.781093	1.07362	1.110983	17073.76
924.0736	0.778861	1.079332	1.113898	16506.28
924.6437	0.77392	1.066162	1.119186	16050.16
925.2138	0.77247	1.049522	1.124989	15654.64

925.7839	0.771447	1.060943	1.129604	14901.24
926.354	0.772824	1.081487	1.134522	14312.4
926.9226	0.771423	1.081737	1.136895	14156.52
927.4909	0.766848	1.070873	1.139354	13602.72
928.0592	0.767804	1.074618	1.143186	13072.24
928.6275	0.767143	1.089533	1.14505	13082.56
929.1958	0.761792	1.076702	1.14578	13046.2
929.7642	0.759408	1.049694	1.148273	12827.6
930.3323	0.763349	1.058553	1.159607	11890
930.8995	0.766587	1.095681	1.171242	10844.8
931.4668	0.762505	1.121304	1.187603	9600.08
932.034	0.754111	1.135277	1.198509	8946.24
932.6012	0.752792	1.140536	1.199993	8735.56
933.1685	0.758863	1.143347	1.204109	8442.68
933.7357	0.758333	1.158764	1.216734	7970.72
934.3021	0.756768	1.16659	1.232012	7270.4
934.8678	0.755105	1.17038	1.241385	6761.28
935.4335	0.759494	1.192488	1.259133	5843.6
935.9992	0.764086	1.223543	1.273748	5067.08
936.5649	0.765282	1.258026	1.285266	4709.68
937.1306	0.758311	1.287854	1.304642	4256.28
937.6963	0.753909	1.293847	1.306826	4224.72
938.2599	0.755194	1.28059	1.296067	4609.2
938.8231	0.751519	1.268179	1.303767	4555.28
939.3863	0.754907	1.254407	1.314143	4394.88
939.9494	0.757073	1.248661	1.316128	4402.56
940.5126	0.752678	1.232182	1.318528	4208.88
941.0758	0.751885	1.20461	1.308317	4266.36
941.6384	0.751641	1.196851	1.286279	4851.24
942.1986	0.74921	1.191678	1.270159	5442.16
942.7587	0.753277	1.200012	1.267489	5629.2
943.3188	0.748551	1.194098	1.24595	6595.4
943.8789	0.743732	1.211335	1.246285	6589.8
944.439	0.749905	1.246108	1.269143	5559.88
944.9991	0.76155	1.244604	1.26398	5502.88
945.5586	0.772486	1.254259	1.252464	5835.76
946.1175	0.767729	1.284702	1.272015	5378.84
946.6765	0.75632	1.28297	1.269468	5806.64
947.2354	0.75499	1.297423	1.26768	5774.72
947.7943	0.762109	1.320453	1.278171	5053.6
948.3532	0.767043	1.312012	1.270092	5284.88
948.9121	0.762463	1.289385	1.267011	5651.88
949.4726	0.760699	1.269883	1.267801	5771.16
950.0332	0.756013	1.274495	1.280515	5050.6

950.5939	0.744636	1.263393	1.286588	4512.56
951.1546	0.732995	1.244016	1.292955	4382.88
951.7152	0.737914	1.223793	1.288269	4730.68
952.2759	0.752329	1.195104	1.269516	5355.68
952.8374	0.755492	1.146662	1.257202	5788.08
953.4021	0.754232	1.120495	1.247905	6152.64
953.9668	0.754039	1.105583	1.237426	6762.24
954.5315	0.763948	1.100918	1.22902	7326.88
955.0962	0.766741	1.114267	1.225747	7487.68
955.6609	0.759369	1.112119	1.215211	7823.88
956.2256	0.754532	1.12517	1.213028	7807.36
956.7913	0.746892	1.141256	1.220122	7600.84
957.3578	0.745511	1.146763	1.226795	7379.84
957.9243	0.743251	1.149111	1.233381	7052.76
958.4908	0.739775	1.157979	1.239076	6817.48
959.0573	0.741992	1.168795	1.24827	6421.28
959.6238	0.747891	1.168905	1.255776	5993.04
960.1903	0.748493	1.171151	1.252938	6125.96
960.7547	0.738098	1.172635	1.250388	6373.52
961.3189	0.723283	1.181952	1.256012	6055.08
961.8831	0.729684	1.194183	1.253587	6060.32
962.4473	0.752026	1.209068	1.244617	6432.24
963.0114	0.760393	1.236595	1.238402	6637.56
963.5756	0.759988	1.250097	1.230865	6954.36
964.1384	0.755592	1.258577	1.228506	7020.92
964.6968	0.747752	1.265296	1.223666	7219.24
965.2551	0.747677	1.273329	1.227141	6983.2
965.8135	0.753362	1.277957	1.233694	6404.4
966.3719	0.748684	1.262636	1.222622	6897.36
966.9303	0.742873	1.264803	1.229924	6777.16
967.4887	0.745577	1.265697	1.239676	6379.68
968.0446	0.750526	1.250552	1.236658	6471.92
968.5988	0.754	1.237834	1.234434	6580
969.1529	0.759133	1.222237	1.229231	6899.32
969.707	0.757075	1.202242	1.224397	6803.96
970.2612	0.759545	1.190737	1.221468	6296.84
970.8153	0.766723	1.177116	1.206295	7512.04
971.3695	0.762907	1.15697	1.192373	9187.28
971.9231	0.762879	1.154677	1.196238	9178.8
972.4767	0.763954	1.167395	1.213991	8006.24
973.0303	0.758417	1.163035	1.21227	7988.92
973.5839	0.752255	1.157012	1.19393	9171.48
974.1375	0.756931	1.179044	1.19734	9093.8
974.6911	0.759078	1.188393	1.19951	8781.28

975.2454	0.75955	1.178709	1.195177	9009.36
975.8015	0.761871	1.166778	1.187773	9610.6
976.3576	0.765608	1.149455	1.17455	10573.4
976.9137	0.773309	1.133516	1.164453	11354.12
977.4698	0.772864	1.115997	1.158262	12037.08
978.0259	0.769491	1.10815	1.156264	12520.16
978.5819	0.769197	1.107514	1.154811	12743.28
979.1384	0.765074	1.096204	1.154377	12799.72
979.6951	0.762298	1.090555	1.156857	12518.84
980.2518	0.765632	1.089698	1.156922	12440.44
980.8085	0.76786	1.072848	1.147725	13583.96
981.3652	0.766837	1.060646	1.139561	14485.2
981.9219	0.770134	1.067086	1.13515	14595.96
982.4786	0.772903	1.068135	1.133851	14708.8
983.032	0.769061	1.061606	1.132707	14682.64
983.5853	0.76203	1.060126	1.129259	12887.8
984.1385	0.758704	1.06331	1.132169	11700.76
984.6918	0.755688	1.069608	1.14241	12469.16
985.2451	0.758711	1.064029	1.145732	13333.08
985.7984	0.767236	1.048901	1.136468	14691.8
986.3497	0.766645	1.047238	1.134794	14995.92
986.8964	0.764821	1.062497	1.146458	13767.4
987.4431	0.766926	1.071546	1.155707	12882.76
987.9898	0.766661	1.065281	1.154398	12926.96
988.5364	0.765948	1.06269	1.149359	13211.56
989.0831	0.767514	1.061587	1.143821	13784.28
989.6298	0.769758	1.068091	1.140911	14258.36
990.1742	0.767777	1.080651	1.142195	13976.4
990.7173	0.765931	1.085871	1.144656	13343.84
991.2604	0.768941	1.083743	1.144786	12976.52
991.8035	0.772536	1.094946	1.15182	12403.8
992.3466	0.769142	1.100193	1.153273	12582.52
992.8898	0.76333	1.094281	1.149332	13133.12
993.4329	0.760999	1.104213	1.159207	12268.96
993.9781	0.758646	1.116724	1.169116	11267.12
994.5234	0.751562	1.127218	1.174578	10662.36
995.0686	0.755194	1.120371	1.175085	10334.44
995.6139	0.763952	1.098707	1.174895	10364.76
996.1591	0.757205	1.084369	1.182442	10088.68
996.7044	0.749621	1.083718	1.192432	9473.28
997.252	0.749079	1.09148	1.189072	9652.6
997.8045	0.752766	1.104668	1.182907	10057.44
998.357	0.759293	1.108395	1.186839	9776.08
998.9095	0.748911	1.099451	1.199859	8795.52

999.4619	0.744849	1.113983	1.20946	7998.04
1000.014	0.755197	1.132387	1.210845	7931.12
1000.567	0.757462	1.127928	1.214012	7916.36
1001.124	0.75923	1.130497	1.21108	8149
1001.684	0.761208	1.149723	1.203459	8308.4
1002.243	0.752781	1.159528	1.207924	7603.76
1002.803	0.747739	1.136066	1.207803	7635.6
1003.363	0.755368	1.105435	1.200726	8407.4
1003.922	0.751685	1.103896	1.200383	8449.84
1004.482	0.746855	1.116389	1.20367	8118.48
1005.046	0.748737	1.113692	1.201847	8265.6
1005.611	0.748719	1.113078	1.201459	8200.36
1006.175	0.752145	1.115263	1.198728	8410.12
1006.74	0.754978	1.1232	1.196883	8845.76
1007.304	0.746904	1.137952	1.205168	8347.88
1007.869	0.739929	1.16288	1.219404	7300.04
1008.434	0.749594	1.165454	1.224755	7148.2
1009.002	0.756024	1.157248	1.222174	7581.28
1009.569	0.750433	1.141936	1.210877	8363.88
1010.136	0.751321	1.114072	1.202543	8810.56
1010.704	0.744785	1.104423	1.214475	7670.84
1011.271	0.743198	1.116269	1.207425	8076.08
1011.838	0.759779	1.129448	1.192353	9228.4
1012.409	0.759469	1.130599	1.191634	9191.2
1012.982	0.758591	1.128316	1.194077	9181.8
1013.554	0.766598	1.124911	1.191739	9476.64
1014.126	0.765489	1.125218	1.185153	9692.96
1014.699	0.757414	1.119693	1.183291	9411.64
1015.271	0.753795	1.116719	1.185834	8989.88
1015.843	0.759996	1.127908	1.194548	8700.44
1016.424	0.756838	1.131167	1.20018	8862.96
1017.005	0.75555	1.125119	1.19269	9481.64
1017.586	0.758528	1.114483	1.181522	10067.48
1018.167	0.759502	1.111541	1.175051	10294.48
1018.748	0.764121	1.106624	1.18009	9605
1019.329	0.760028	1.105718	1.190846	8845.76
1019.914	0.747052	1.116009	1.205429	8361.24
1020.505	0.741944	1.109466	1.21715	7951.92
1021.097	0.738886	1.118456	1.22566	7532.24
1021.688	0.739287	1.13762	1.226079	7459.4
1022.28	0.74853	1.133142	1.220253	7686.08
1022.872	0.747402	1.132842	1.215508	7736.84
1023.463	0.749865	1.151854	1.214805	7713.96
1024.055	0.753514	1.146807	1.212164	8110.04

1024.647	0.750542	1.135755	1.209235	8411.96
1025.239	0.757991	1.154307	1.212355	8100.68
1025.831	0.75529	1.179911	1.216305	7761.2
1026.423	0.747361	1.187438	1.222192	7418.64
1027.016	0.747482	1.184028	1.234757	6827.56
1027.607	0.749743	1.166052	1.225913	7297.8
1028.184	0.7518	1.146671	1.214117	7959.16
1028.761	0.748869	1.128026	1.208426	8220.52
1029.338	0.750091	1.104541	1.206012	8285.08
1029.915	0.756478	1.096631	1.207141	8209.68
1030.492	0.758134	1.090873	1.189707	9050.72
1031.069	0.758121	1.074678	1.170273	10095.96
1031.634	0.763189	1.065532	1.162289	10753.08
1032.183	0.770948	1.080301	1.16524	11013.72
1032.731	0.777942	1.099511	1.166258	11287.36
1033.28	0.770327	1.097831	1.160867	11641.52
1033.828	0.765689	1.088771	1.15919	11653.8
1034.377	0.767787	1.081823	1.157336	11881.16
1034.925	0.759419	1.080764	1.160917	11698.24
1035.456	0.750279	1.082479	1.188285	9750.96
1035.98	0.746062	1.068701	1.193878	9288.28
1036.504	0.742359	1.068279	1.187822	9618.68
1037.029	0.743347	1.08749	1.208521	8283.4
1037.553	0.74527	1.092929	1.216296	7650.76
1038.077	0.746476	1.100643	1.215598	7575.28
1038.6	0.750751	1.120493	1.217297	7510.08
1039.113	0.752144	1.123927	1.206845	8149.4
1039.626	0.743354	1.122673	1.206641	8135.6
1040.139	0.743731	1.130195	1.211718	7874.92
1040.651	0.755001	1.141567	1.211432	7654.16
1041.164	0.748937	1.138261	1.21246	6814.88
1041.677	0.747954	1.136022	1.2108	6235.44
1042.19	0.749796	1.140198	1.212447	5870.6
1042.703	0.736962	1.124675	1.218821	6121.88
1043.216	0.736279	1.120318	1.23975	6218.2
1043.729	0.746595	1.128499	1.249861	6254.72
1044.242	0.756107	1.129027	1.239273	6920.4
1044.755	0.76413	1.136696	1.237506	7065.2
1045.268	0.767524	1.140277	1.238316	6892.64
1045.787	0.766963	1.127503	1.227485	7293.76
1046.308	0.760046	1.111872	1.211937	8164.96
1046.828	0.759921	1.097473	1.208822	8335.56
1047.349	0.756687	1.092008	1.212595	8143.72
1047.87	0.761343	1.116146	1.225806	7647.92

1048.391	0.764886	1.139186	1.243471	6717.12
1048.913	0.751648	1.122135	1.251945	6036.48
1049.447	0.736184	1.110967	1.248843	5983.08
1049.981	0.732513	1.127627	1.240853	6265.96
1050.515	0.742413	1.148778	1.235431	6476.88
1051.049	0.748459	1.169849	1.232236	6686.6
1051.583	0.749243	1.172945	1.228994	7027.24
1052.117	0.758846	1.184304	1.238961	6609.48
1052.659	0.761076	1.195123	1.255033	5800.44
1053.21	0.749574	1.17409	1.249632	6164.48
1053.761	0.755505	1.141095	1.241906	6653.44
1054.312	0.767465	1.145938	1.248625	6261.96
1054.863	0.766872	1.150699	1.245927	6323.28
1055.414	0.758748	1.135086	1.238634	6744.12
1055.965	0.749473	1.136972	1.232857	7015.96
1056.526	0.748037	1.168674	1.23714	6660.04
1057.088	0.743795	1.199488	1.245628	6100.24
1057.651	0.747491	1.202758	1.244762	6083.52
1058.213	0.752667	1.205547	1.232483	6710.64
1058.775	0.751714	1.217977	1.215794	7475.08
1059.338	0.752486	1.231375	1.206211	7857.72
1059.9	0.760503	1.241769	1.209913	7502.2
1060.464	0.766098	1.24967	1.222309	6695.68
1061.027	0.746892	1.235625	1.225257	6534.2
1061.59	0.730767	1.210834	1.220107	6782.2
1062.153	0.749093	1.207994	1.237857	6072.4
1062.717	0.758322	1.211891	1.25598	5481.92
1063.28	0.749148	1.197102	1.234145	6602.2
1063.839	0.755176	1.196117	1.21879	7311.4
1064.394	0.759084	1.220628	1.228596	6850.36
1064.949	0.753192	1.237537	1.232417	6574.12
1065.504	0.757128	1.218335	1.222241	6961.8
1066.059	0.762496	1.194342	1.211433	7604.04
1066.613	0.760242	1.197004	1.213563	7593.92
1067.168	0.762643	1.200388	1.20997	7829.32
1067.718	0.761953	1.195555	1.206164	8060
1068.266	0.75637	1.193244	1.20685	7990.68
1068.814	0.753601	1.196328	1.203671	8115
1069.362	0.76115	1.206454	1.211742	7692.24
1069.91	0.768033	1.217178	1.225466	7017.56
1070.459	0.763132	1.220261	1.230236	6809.6
1071.007	0.750454	1.202498	1.220267	7342.04
1071.555	0.741125	1.174777	1.204868	8153.08
1072.104	0.750518	1.191211	1.2209	7304.36

1072.652	0.757062	1.224511	1.244795	6138.8
1073.201	0.754049	1.21958	1.242205	6278.36
1073.749	0.760547	1.212562	1.246995	5900.72
1074.298	0.757964	1.216436	1.233884	5744.08
1074.85	0.748937	1.20762	1.203525	6997.2
1075.405	0.743003	1.211169	1.202635	7816
1075.96	0.74141	1.242764	1.231791	6773.32
1076.514	0.744856	1.271797	1.257961	5597.96
1077.069	0.741374	1.287353	1.266604	5168.32
1077.624	0.742975	1.291832	1.267738	4992.28
1078.179	0.751538	1.289577	1.250137	5686.48
1078.739	0.748918	1.293115	1.236822	6334.96
1079.3	0.75288	1.299933	1.237699	6366.84
1079.86	0.75927	1.300008	1.225434	6837.28
1080.421	0.758365	1.293375	1.211353	7512.56
1080.981	0.752086	1.298742	1.218009	7227.2
1081.542	0.748837	1.329458	1.243041	5847.72
1082.103	0.760265	1.350886	1.249109	5122.2
1082.665	0.765375	1.350272	1.235874	5280.2
1083.228	0.758068	1.353979	1.234346	5418.8
1083.79	0.751494	1.366707	1.254572	5084.6
1084.352	0.749917	1.368111	1.261688	4958.84
1084.914	0.751656	1.357728	1.257097	5196.56
1085.477	0.74507	1.359412	1.266361	4758.6
1086.038	0.734146	1.373694	1.283594	4034.76
1086.598	0.734859	1.374987	1.290381	4100.32
1087.158	0.742675	1.370477	1.298686	4317.08
1087.718	0.736494	1.367199	1.310539	4168.36
1088.278	0.717912	1.368243	1.317255	3828.96
1088.839	0.72872	1.38591	1.341791	3225.44
1089.399	0.755956	1.394198	1.3514	3114.84
1089.955	0.758723	1.394587	1.349367	3213.52
1090.512	0.73977	1.396161	1.354661	3171.12
1091.068	0.744005	1.393787	1.349255	3308.76
1091.624	0.750953	1.387819	1.321931	3799.96
1092.18	0.746561	1.375273	1.287052	4484
1092.737	0.744271	1.356906	1.264423	5096.52
1093.292	0.743484	1.350674	1.261764	5192.6
1093.844	0.755064	1.348433	1.259335	5204.28
1094.395	0.754229	1.326414	1.234571	6131.44
1094.947	0.740778	1.299172	1.205231	7669.44
1095.498	0.72589	1.307471	1.208362	7471.96
1096.05	0.716337	1.328765	1.233251	6202.32
1096.602	0.717227	1.329072	1.251119	5715.88

1097.15	0.709014	1.310924	1.250148	6006.88
1097.697	0.710464	1.302928	1.25575	5793.16
1098.243	0.733881	1.326997	1.282601	4739.52
1098.789	0.743143	1.357344	1.295104	4268.92
1099.336	0.74342	1.35399	1.274528	4836.88
1099.882	0.755919	1.337948	1.255457	5385.96
1100.428	0.76708	1.329645	1.241459	5960.68
1100.97	0.772711	1.325147	1.224374	6644.8
1101.511	0.773593	1.327651	1.220799	6800.16
1102.052	0.770324	1.323727	1.220008	6921
1102.593	0.765159	1.315952	1.21799	7043.56
1103.134	0.755425	1.314673	1.22366	6834.96
1103.675	0.752951	1.313721	1.238394	6285.76
1104.215	0.755073	1.297531	1.248364	5958.64
1104.751	0.753762	1.262707	1.244662	6252.64
1105.288	0.753288	1.231796	1.244297	6413.96
1105.824	0.747903	1.218271	1.2433	6549.92
1106.36	0.739578	1.215629	1.237039	6837.36
1106.896	0.747221	1.216503	1.238087	6770.24
1107.432	0.76004	1.214278	1.232726	6990.36
1107.966	0.75999	1.202723	1.221246	7524.68
1108.498	0.750353	1.194036	1.217272	7461.56
1109.03	0.746501	1.188875	1.214015	7595.8
1109.562	0.741175	1.182156	1.211202	8157.96
1110.094	0.734294	1.19141	1.207967	8374.48
1110.626	0.741858	1.224607	1.218509	7620.6
1111.158	0.751783	1.251608	1.22515	6977.88
1111.69	0.754525	1.249136	1.215046	7142.68
1112.222	0.750145	1.237567	1.203222	7919.48
1112.754	0.741156	1.239095	1.199386	8595.56
1113.287	0.747811	1.258874	1.204909	8288.76
1113.819	0.756734	1.266284	1.201404	8267.92
1114.351	0.747031	1.262964	1.191913	8465.04
1114.885	0.73971	1.277023	1.20648	7506.36
1115.423	0.73916	1.272103	1.219552	7162.8
1115.961	0.730826	1.232143	1.2084	8186.48
1116.499	0.729355	1.18972	1.201717	8923.6
1117.037	0.735851	1.176843	1.21028	8564.16
1117.575	0.723755	1.198952	1.243852	6774.4
1118.113	0.724508	1.188057	1.24468	6660.92
1118.658	0.74303	1.137942	1.21175	8359.08
1119.207	0.756995	1.10215	1.191593	9686.04
1119.756	0.757513	1.088894	1.178121	10763.4
1120.305	0.748811	1.081476	1.176678	11114.96

1120.855	0.742602	1.080654	1.184202	10588.08
1121.404	0.730452	1.089359	1.189174	10033.2
1121.953	0.728735	1.090972	1.196216	9132.8
1122.509	0.73632	1.092848	1.188872	9570.2
1123.066	0.74754	1.086242	1.176834	10777.16
1123.623	0.747353	1.079463	1.190334	9848.52
1124.18	0.735783	1.093461	1.20391	8829.16
1124.736	0.735087	1.103802	1.207996	8670.6
1125.293	0.740964	1.083141	1.189203	10107.84
1125.85	0.745571	1.053982	1.167076	11737.4
1126.407	0.747991	1.055708	1.17551	10750.24
1126.964	0.753468	1.053388	1.17853	10375.88
1127.521	0.754381	1.04614	1.17142	11434.96
1128.078	0.747997	1.073489	1.18254	10759.76
1128.635	0.752332	1.11496	1.198565	9441.96
1129.192	0.757967	1.137585	1.197445	9411.32
1129.745	0.76681	1.131932	1.193128	9636.72
1130.295	0.765903	1.126792	1.195164	9387.04
1130.846	0.751785	1.115128	1.192575	9366.04
1131.397	0.749247	1.102193	1.186899	10005.04
1131.947	0.754062	1.102106	1.192769	9918.04
1132.498	0.755232	1.097375	1.19593	9680.24
1133.049	0.753304	1.100284	1.187329	10125.12
1133.596	0.757662	1.130311	1.188846	9818.72
1134.143	0.766409	1.141012	1.192419	9329.48
1134.69	0.76945	1.121431	1.186704	9693.96
1135.237	0.768076	1.108183	1.180818	10347.32
1135.785	0.768787	1.104824	1.180989	10125.52
1136.332	0.761348	1.091756	1.182214	9998.64
1136.88	0.756717	1.072159	1.177447	10802.76
1137.432	0.748512	1.070192	1.173532	11240.04
1137.983	0.731802	1.074714	1.175478	11133.8
1138.534	0.726275	1.077904	1.179837	10571.84
1139.085	0.723029	1.092642	1.196439	9327.88
1139.636	0.732043	1.120606	1.218041	8167.64
1140.187	0.758228	1.108281	1.217252	8335.04
1140.745	0.760048	1.070495	1.199316	9432.84
1141.306	0.741376	1.043334	1.173483	11100
1141.866	0.736437	1.026805	1.153699	12740.96
1142.427	0.73996	1.033199	1.164036	12119.4
1142.988	0.746287	1.047432	1.194481	9820.72
1143.548	0.747913	1.05357	1.208272	8882.08
1144.109	0.754771	1.066098	1.194134	9787.28
1144.666	0.767885	1.079327	1.186791	10045.84

1145.223	0.772856	1.069957	1.177205	10734.92
1145.78	0.769657	1.05651	1.151453	13096.6
1146.337	0.759261	1.065219	1.145448	13672.6
1146.894	0.752595	1.079963	1.148459	13464.36
1147.451	0.750552	1.087061	1.146146	13379.64
1147.999	0.750505	1.081629	1.139216	13563
1148.53	0.752531	1.088058	1.135333	14153.56
1149.061	0.744392	1.110575	1.142244	13853.44
1149.592	0.738246	1.115577	1.142931	13937.36
1150.123	0.729846	1.111981	1.144891	13726.12
1150.653	0.710156	1.105567	1.147382	13450.12
1151.184	0.702593	1.105348	1.144213	13608.16
1151.686	0.716509	1.10807	1.141722	13620.12
1152.176	0.717338	1.112969	1.147413	13194.72
1152.666	0.714533	1.118139	1.155899	12466.84
1153.156	0.739762	1.120239	1.150144	12941.08
1153.646	0.763914	1.121352	1.139165	13959.24
1154.136	0.773597	1.111715	1.133758	14355
1154.626	0.777994	1.091508	1.13028	14382.8
1155.129	0.775223	1.074969	1.132993	14338.36
1155.631	0.769548	1.064709	1.135981	14723.96
1156.133	0.758652	1.047606	1.134766	15126.68
1156.635	0.751722	1.026679	1.132144	15489.4
1157.138	0.763723	1.037359	1.135535	14960.2
1157.64	0.765527	1.061251	1.1561	12670.8
1158.183	0.760843	1.06147	1.174973	10811.16
1158.787	0.756804	1.059609	1.177952	10747.04
1159.391	0.755942	1.058391	1.176117	11054.32
1159.994	0.75728	1.059594	1.182203	10407.76
1160.598	0.757723	1.064919	1.179228	10591.44
1161.202	0.76155	1.062208	1.16433	11994.8
1161.806	0.761752	1.063163	1.158739	12522.04
1162.543	0.768397	1.075318	1.16777	11775.92
1163.326	0.776433	1.087588	1.173068	11377.88
1164.109	0.772454	1.087787	1.168743	11620.52
1164.892	0.762809	1.084496	1.170868	11479.76
1165.675	0.753483	1.092175	1.181689	10628.4
1166.458	0.748817	1.091611	1.186376	10272.96
1167.253	0.738768	1.083169	1.189766	9853.16
1168.181	0.728246	1.081238	1.197278	9196.64
1169.109	0.73344	1.075087	1.194036	9676.16
1170.038	0.743038	1.074551	1.192297	9586.96
1170.966	0.753479	1.074087	1.187112	9423.56
1171.894	0.76061	1.050584	1.177857	10352.76

1172.823	0.763857	1.029895	1.189669	10043.6
1173.773	0.762045	1.023559	1.21004	8779.76
1174.754	0.765604	1.023622	1.223232	7932.24
1175.735	0.774708	1.038444	1.236658	7067.8
1176.716	0.785766	1.051643	1.248717	6423.48
1177.697	0.796547	1.062984	1.24383	6704.24
1178.678	0.788353	1.067261	1.206293	8937.52
1179.658	0.773715	1.069589	1.17543	11051.12
1180.614	0.767636	1.064886	1.178232	10882.2
1181.563	0.770401	1.064148	1.184019	10175.92
1182.511	0.774681	1.084298	1.18376	10057.52
1183.46	0.771759	1.090263	1.182043	10389.88
1184.408	0.770006	1.086883	1.18026	10648.96
1185.357	0.76986	1.076548	1.177511	10952.68
1186.301	0.765156	1.058735	1.176493	11207.56
1187.209	0.762288	1.040199	1.173932	11411.16
1188.118	0.760563	1.029737	1.176812	11066.8
1189.026	0.759019	1.030542	1.187285	10101.92
1189.935	0.759769	1.037524	1.197605	9278.6
1190.843	0.753418	1.064862	1.206851	8760.24
1191.752	0.749208	1.076853	1.2047	8929.88
1192.657	0.753008	1.045349	1.199089	9303.36
1193.56	0.754388	1.019274	1.19323	9851.52
1194.462	0.754245	1.026957	1.188604	10291.24
1195.365	0.751171	1.038257	1.186933	10282.48
1196.267	0.749255	1.037931	1.190988	9804.56
1197.17	0.74333	1.035055	1.196189	9448.4
1198.072	0.741	1.045378	1.209968	8688.04
1198.993	0.746307	1.073438	1.22868	7669.88
1199.918	0.744632	1.10421	1.252396	6588.24
1200.843	0.74079	1.124985	1.275887	5562.84
1201.769	0.74846	1.137172	1.276947	5510.4
1202.694	0.752524	1.121461	1.255315	6413.88
1203.619	0.741676	1.126645	1.256543	6356.08
1204.545	0.745984	1.157972	1.284781	5270.48
1205.47	0.736294	1.112455	1.271266	5831.92
1206.396	0.735072	1.047938	1.246717	6744.96
1207.321	0.753446	1.029652	1.223848	8066
1208.247	0.747502	1.019213	1.204666	9196.76
1209.172	0.732643	1.008218	1.216424	8522.16
1210.098	0.72972	1.024541	1.249395	6766.96
1210.999	0.744912	1.022692	1.257851	6200.28
1211.875	0.761198	1.000859	1.22513	7770.64
1212.75	0.766244	1.000093	1.189383	9610.36

1213.626	0.770637	0.993627	1.169899	10847.16
1214.501	0.772573	0.980882	1.160117	12178.96
1215.376	0.771345	0.997332	1.157594	12802.68
1216.252	0.776432	1.015005	1.156018	13078.32
1217.057	0.776316	1.018865	1.147284	13826.32
1217.846	0.774847	1.040488	1.148752	13370.08
1218.635	0.766366	1.073837	1.15835	12213.72
1219.424	0.765245	1.084104	1.168932	11451.6
1220.213	0.772147	1.077658	1.173087	11185.16
1221.003	0.759651	1.072054	1.162577	12002.4
1221.794	0.752199	1.071029	1.159225	12359.64
1222.599	0.764724	1.068415	1.172692	11422.24
1223.404	0.773925	1.048268	1.181574	10738.68
1224.209	0.768353	1.023452	1.174924	11323.96
1225.014	0.765557	1.005434	1.164191	12228.4
1225.819	0.770861	1.00507	1.163633	12107.2
1226.624	0.776875	1.01845	1.172987	11146.28
1227.527	0.775158	1.051085	1.192967	9760.56
1228.525	0.768891	1.075274	1.210063	8598.88
1229.523	0.77136	1.095303	1.226992	7382.6
1230.521	0.76505	1.115856	1.231417	7188.48
1231.519	0.762791	1.129726	1.231153	7403.48
1232.518	0.771188	1.136533	1.238372	7050.52
1233.516	0.771173	1.103052	1.22472	7834.44
1234.81	0.772034	1.070858	1.211199	8623.92
1236.157	0.781081	1.056158	1.212908	8418.2
1237.505	0.783651	1.031437	1.207631	8671.4
1238.852	0.779933	1.035346	1.209202	8583.56
1240.2	0.780149	1.051701	1.212736	8406.12
1241.547	0.77777	1.033572	1.201077	9199.24
1242.95	0.774141	1.021378	1.197029	9497.8
1244.589	0.77027	1.02692	1.202648	9008.32
1246.228	0.764465	1.044512	1.213611	8223.04
1247.868	0.76838	1.061521	1.222629	7804.4
1249.507	0.783661	1.060552	1.207991	8939.36
1251.146	0.780482	1.047003	1.209638	9012.72
1252.785	0.761893	1.045878	1.225692	7647.48
1254.486	0.768446	1.070498	1.214969	8192.52
1256.24	0.780429	1.085221	1.196201	9521.04
1257.995	0.776627	1.076631	1.19051	9433.8
1259.75	0.777119	1.058171	1.198885	8828.56
1261.504	0.777451	1.046701	1.214874	8334.4
1263.259	0.774114	1.054255	1.224141	7901.48
1265.014	0.774402	1.060452	1.219418	7951.56

1266.727	0.776986	1.062251	1.211923	8296.72
1268.433	0.784694	1.063515	1.212621	8308.8
1270.14	0.784119	1.065173	1.20875	8435.08
1271.847	0.775903	1.084151	1.202207	8836.16
1273.553	0.775311	1.104077	1.204412	8731.76
1275.26	0.778074	1.106375	1.212185	8281.72
1276.95	0.774377	1.099927	1.218259	7931.64
1278.578	0.768754	1.09516	1.212457	8180.52
1280.207	0.76845	1.10938	1.216168	8144.2
1281.836	0.776283	1.138053	1.231654	7460.36
1283.464	0.775797	1.160712	1.247496	6671.84
1285.093	0.768814	1.177945	1.261639	6030.56
1286.722	0.750219	1.184603	1.275279	5545.2
1288.332	0.737396	1.180388	1.280521	5402.92
1289.928	0.735354	1.185095	1.287707	5179.4
1291.523	0.749779	1.188211	1.295994	4905.52
1293.119	0.754246	1.175066	1.283678	5335.68
1294.715	0.760546	1.15894	1.263836	5979.2
1296.31	0.765767	1.161516	1.230536	7397.2
1297.906	0.751759	1.152666	1.207649	8603.6
1299.51	0.754336	1.128507	1.203517	8869.04
1301.115	0.759709	1.094649	1.192267	9433.04
1302.72	0.767571	1.061242	1.189481	9557.04
1304.325	0.774087	1.049001	1.185692	10101.56
1305.93	0.777486	1.042518	1.17699	10881.84
1307.535	0.768911	1.024682	1.172993	10971.2
1309.145	0.751617	1.014701	1.17957	10524.8
1310.766	0.750812	1.026804	1.207455	8868.52
1312.388	0.763463	1.023932	1.216822	8262.12
1314.01	0.772647	1.002826	1.189691	10092.24
1315.631	0.773445	0.992496	1.160281	12419.32
1317.253	0.776725	0.981329	1.14136	14349.04
1318.875	0.777607	0.970728	1.138056	14509.44
1320.499	0.775953	0.96902	1.142801	13932.76
1322.125	0.770925	0.972608	1.14437	14293.88
1323.751	0.771624	0.980031	1.14486	14343.36
1325.377	0.779892	0.994871	1.139375	14711.16
1327.003	0.776401	0.998434	1.125825	15887.24
1328.629	0.767783	0.995003	1.123499	15498.24
1330.255	0.76326	1.000966	1.130886	14771.88
1331.874	0.766413	0.999496	1.129076	15569.88
1333.494	0.774232	1.001481	1.131225	15522.12
1335.113	0.779292	1.010469	1.134477	15029.08
1336.732	0.774587	1.021881	1.135602	14779.04

1338.351	0.770668	1.030567	1.141675	14169.56
1339.97	0.766756	1.047705	1.146906	13398.36
1341.589	0.771406	1.043091	1.152342	12607.28
1343.207	0.776255	1.02389	1.153716	12740.84
1344.825	0.774311	1.019075	1.154005	13043.12
1346.442	0.774693	1.026539	1.155519	12908.36
1348.06	0.772761	1.035745	1.153536	13184.16
1349.678	0.771221	1.046761	1.156373	12782.8
1351.295	0.774691	1.041488	1.167006	11703.16
1352.921	0.781439	1.033897	1.175263	11049.88
1354.552	0.781557	1.044873	1.185787	10456.6
1356.183	0.787528	1.08368	1.217366	8872.88
1357.814	0.766994	1.120305	1.248489	6626.04
1359.445	0.75401	1.091379	1.253505	5836.84
1361.076	0.772436	1.068125	1.228404	7487.84
1362.707	0.783313	1.07539	1.187265	10425.92
1364.363	0.785518	1.104541	1.167043	11335.32
1366.021	0.780465	1.137362	1.167847	10290.8
1367.678	0.778875	1.135188	1.17353	10202.28
1369.336	0.781572	1.125957	1.181233	10411.92
1370.994	0.779528	1.118292	1.177984	10793.84
1372.651	0.779983	1.123637	1.163392	11813.4
1374.316	0.784795	1.110951	1.150153	13020.64
1375.999	0.785013	1.082342	1.137038	14527.92
1377.682	0.781846	1.079099	1.130694	14981.04
1379.365	0.780043	1.06521	1.127195	14718.36
1381.047	0.782311	1.030105	1.121624	15600.72
1382.73	0.784114	1.034127	1.12601	15891.44
1384.413	0.784441	1.077454	1.13055	15244.24
1386.106	0.780242	1.100514	1.131296	15121.44
1387.804	0.777685	1.103386	1.137011	14719.8
1389.502	0.781654	1.100312	1.137391	14567.48
1391.2	0.786705	1.086816	1.13395	14770.12
1392.898	0.793602	1.052075	1.12578	15615.76
1394.596	0.793049	1.029547	1.123424	16091.16
1396.294	0.788479	1.023438	1.122194	16340.92
1397.998	0.78516	0.999858	1.118658	16799.4
1399.702	0.785136	1.012521	1.128097	15958.56
1401.406	0.787719	1.050147	1.134129	15194.76
1403.109	0.782409	1.073055	1.133497	14843.08
1404.813	0.781259	1.1121	1.151588	12748.44
1406.517	0.788356	1.138618	1.178048	10434.72
1408.221	0.791143	1.158996	1.202811	8943
1409.927	0.786846	1.173185	1.203015	8841.96

1411.632	0.78838	1.181658	1.181128	10087.08
1413.337	0.795988	1.200022	1.180576	10007.04
1415.043	0.799463	1.195077	1.187162	9478.84
1416.748	0.800751	1.149663	1.168292	10994.56
1418.453	0.802852	1.085026	1.144289	13204.84
1420.158	0.803046	1.091784	1.158404	12419.44
1421.864	0.801086	1.158654	1.187089	10092.44
1423.569	0.796614	1.186195	1.191433	9545.4
1425.275	0.791023	1.168051	1.185894	10055
1426.98	0.789659	1.162668	1.183018	10225.84
1428.685	0.797708	1.167453	1.187888	9760.56
1430.391	0.79916	1.144051	1.194257	9492.44
1432.095	0.801327	1.111556	1.184284	10409.64
1433.799	0.805833	1.097186	1.173592	11250.12
1435.504	0.799238	1.074552	1.16182	12516.32
1437.208	0.792627	1.026968	1.151556	13855.2
1438.913	0.791087	1.02164	1.154843	13428.6
1440.617	0.788846	1.022884	1.15066	13453.44
1442.323	0.781485	1.051031	1.139852	14211.04
1444.029	0.7828	1.075104	1.137362	14062.28
1445.736	0.784244	1.043985	1.136138	14184.48
1447.442	0.781196	1.038503	1.131487	15002.72
1449.149	0.788592	1.034068	1.12329	16123.16
1450.855	0.798528	1.006429	1.11882	16212.92
1452.562	0.795262	1.018033	1.127614	15000.24
1454.274	0.792987	1.047346	1.137821	14282.12
1455.987	0.800338	1.046872	1.135826	14574.88
1457.701	0.800504	1.055339	1.129664	15054.68
1459.415	0.795958	1.062899	1.128084	15199.28
1461.129	0.797039	1.02873	1.125276	15867.48
1462.843	0.800605	0.993055	1.125446	15841.96
1464.557	0.80067	0.982397	1.137559	14403.36
1466.282	0.793237	0.995439	1.14974	13146.76
1468.007	0.790619	0.999037	1.162103	11843.24
1469.732	0.793742	1.004467	1.167898	11315.88
1471.457	0.796876	1.015501	1.176703	10693.52
1473.181	0.792723	1.029164	1.183756	10128.12
1474.906	0.780796	1.054134	1.178185	10633.56
1476.629	0.778033	1.045731	1.184	10260.4
1478.35	0.785338	1.055461	1.207421	8649.28
1480.07	0.781683	1.096392	1.23864	6946.16
1481.791	0.777232	1.116673	1.248586	6505.16
1483.511	0.78331	1.142872	1.250822	6364.68
1485.232	0.775323	1.166631	1.263183	5806.76

1486.952	0.760171	1.158532	1.272243	5484.72
1488.65	0.753014	1.128658	1.277549	5271.72
1490.34	0.762729	1.150336	1.29197	4805.56
1492.03	0.774736	1.185413	1.302617	4445.48
1493.72	0.77427	1.160534	1.29511	4671.68
1495.41	0.779971	1.16461	1.296031	4730.28
1497.1	0.770465	1.202034	1.308293	4397.44
1498.786	0.757377	1.17641	1.292804	4815.6
1500.422	0.753366	1.132284	1.283796	4944.08
1502.058	0.734407	1.1524	1.307393	4287.96
1503.693	0.732857	1.152895	1.316507	4198.28
1505.329	0.733048	1.159682	1.311828	4287.64
1506.965	0.72868	1.180368	1.312351	4208.64
1508.601	0.726896	1.176582	1.312132	4264.96
1510.219	0.723012	1.185281	1.312764	4314.16
1511.811	0.722344	1.223869	1.343231	3670.52
1513.403	0.738717	1.236315	1.351171	3474.08
1514.995	0.738465	1.268167	1.368916	3169.84
1516.587	0.721416	1.301849	1.381354	2843.16
1518.179	0.710935	1.275823	1.338944	3587.28
1519.771	0.70952	1.245872	1.311089	4204.4
1521.353	0.730858	1.222075	1.295382	4712.64
1522.932	0.750707	1.23498	1.293699	4766.48
1524.511	0.770553	1.28229	1.313877	4124
1526.09	0.768249	1.333417	1.337133	3436.92
1527.669	0.751236	1.367087	1.362463	2941.04
1529.248	0.744851	1.39884	1.393853	2551.4
1530.828	0.721211	1.430198	1.415774	2314.88
1532.423	0.716829	1.449235	1.417053	2266.12
1534.018	0.722955	1.412067	1.368119	3017.76
1535.612	0.724797	1.391113	1.35115	3250.96
1537.207	0.74723	1.386083	1.362651	3008.32
1538.801	0.751952	1.338078	1.316105	4020.68
1540.396	0.755838	1.317782	1.298892	4257.4
1541.998	0.763146	1.289706	1.307526	4083.32
1543.61	0.750736	1.271795	1.30139	4493.4
1545.222	0.729422	1.269969	1.29075	4941.68
1546.834	0.723114	1.277589	1.300297	4744.76
1548.446	0.715831	1.264299	1.30058	4745.24
1550.058	0.715638	1.222749	1.288612	5019.2
1551.671	0.730787	1.212981	1.283701	5123.84
1553.285	0.733975	1.201262	1.274521	5267.44
1554.901	0.736703	1.169052	1.267713	5475.28
1556.517	0.731784	1.161455	1.265025	5751.72

1558.132	0.725603	1.177929	1.269702	5698.76
1559.748	0.739469	1.190075	1.272883	5469.76
1561.364	0.746474	1.147396	1.266053	5742.2
1562.978	0.748811	1.115442	1.262542	6070.2
1564.586	0.755253	1.136419	1.269637	5811.12
1566.194	0.746588	1.149552	1.268612	5809.24
1567.801	0.746239	1.156672	1.253581	6363.08
1569.409	0.760267	1.151494	1.260834	5995.44
1571.017	0.756539	1.124984	1.251435	6421.8
1572.624	0.747402	1.117159	1.226884	7609.64
1574.237	0.747957	1.127042	1.25695	6428.96
1575.857	0.741942	1.131917	1.278782	5424.96
1577.477	0.73857	1.126456	1.266624	5868.8
1579.096	0.746751	1.121208	1.257323	6160.6
1580.716	0.755462	1.175098	1.261448	5824.72
1582.335	0.750981	1.170629	1.25878	6039.84
1583.955	0.739007	1.115149	1.251054	6478.28
1585.616	0.731475	1.121203	1.262321	5858.04
1587.287	0.729695	1.108162	1.274732	5416.44
1588.958	0.731095	1.108126	1.284362	5223.24
1590.629	0.735697	1.130344	1.293185	4910.04
1592.3	0.73956	1.111487	1.283373	5252.32
1593.971	0.745639	1.097287	1.256778	6287.8
1595.653	0.752801	1.104986	1.239155	6886.08
1597.404	0.757195	1.103006	1.237617	6943.16
1599.155	0.761031	1.14464	1.249567	6487.44
1600.907	0.755221	1.172255	1.264882	5853.2
1602.658	0.750936	1.168498	1.28539	5224.08
1604.409	0.74277	1.189393	1.310804	4422.2
1606.16	0.726565	1.281146	1.337837	3626.08
1607.904	0.7273	1.351323	1.346381	3397.28
1609.642	0.734794	1.346284	1.377186	2953.72
1611.38	0.747111	1.314841	1.359224	3336.16
1613.118	0.748194	1.266411	1.289508	4890.44
1614.856	0.739465	1.235156	1.271692	5509.36
1616.594	0.746187	1.203647	1.267418	5716.6
1618.332	0.756436	1.203317	1.266588	5722.24
1619.917	0.752941	1.194497	1.258551	6086.2
1621.472	0.744843	1.156554	1.24829	6578.84
1623.027	0.748635	1.13058	1.260563	6119.48
1624.581	0.759924	1.114599	1.259126	6034.92
1626.136	0.766215	1.105274	1.237893	6832.24
1627.691	0.765922	1.105258	1.210657	8523.24
1629.187	0.771201	1.128122	1.205869	9001.32

1630.405	0.770481	1.146965	1.237975	7429.24
1631.624	0.744428	1.163701	1.268873	6101.36
1632.842	0.740447	1.182515	1.286545	5350.44
1634.06	0.739257	1.200144	1.296957	4875.8
1635.279	0.710279	1.191778	1.31639	4254.84
1636.497	0.697447	1.190774	1.349524	3414.96
1637.566	0.696419	1.2206	1.352292	3368.56
1638.494	0.706447	1.260431	1.343099	3640.36
1639.423	0.724995	1.301356	1.357532	3393.56
1640.352	0.727826	1.321928	1.369728	3103.12
1641.28	0.720216	1.326919	1.366407	3077.64
1642.209	0.720464	1.351794	1.415741	2413.48
1643.138	0.715087	1.339448	1.444491	2016.64
1643.967	0.708428	1.270612	1.389705	2820.56
1644.78	0.722896	1.188325	1.318868	4323.92
1645.593	0.737245	1.128908	1.278467	5367.64
1646.406	0.736133	1.110622	1.278267	5380.24
1647.218	0.727962	1.100324	1.27545	5496.4
1648.031	0.729549	1.144217	1.28163	5292.92
1648.854	0.72858	1.186113	1.298094	4828.52
1649.715	0.715802	1.164948	1.278806	5556.2
1650.577	0.72875	1.147879	1.280279	5472.48
1651.439	0.742891	1.15356	1.302543	4620.28
1652.3	0.737357	1.155373	1.32793	4007.92
1653.162	0.723064	1.166044	1.370751	3173.92
1654.024	0.699016	1.184135	1.404665	2620.28
1654.932	0.712515	1.166139	1.372188	3187.84
1655.879	0.732903	1.146468	1.298544	4807.8
1656.826	0.744878	1.13335	1.266111	5791.16
1657.773	0.75092	1.115103	1.256303	6126.72
1658.72	0.746777	1.109066	1.25456	6182.48
1659.667	0.751018	1.116508	1.258651	6022
1660.614	0.751672	1.152235	1.262308	5858.04
1661.597	0.751873	1.195532	1.262155	5857.08
1662.584	0.745257	1.200434	1.257147	6059.52
1663.571	0.7459	1.174271	1.239164	6857.48
1664.558	0.763257	1.131847	1.2165	7970.92
1665.545	0.769403	1.086452	1.210315	8329.24
1666.533	0.755903	1.078359	1.231579	7253.68
1667.519	0.736949	1.09354	1.253159	6299.12
1668.502	0.738018	1.131966	1.257504	6231.2
1669.485	0.751735	1.1417	1.262889	5949.84
1670.468	0.747208	1.122745	1.270271	5609.36
1671.451	0.731891	1.136523	1.289611	4962.4

1672.434	0.717621	1.163482	1.312569	4252.2
1673.417	0.703743	1.203425	1.324463	3967.72
1674.388	0.701563	1.239614	1.327204	3859.88
1675.35	0.720973	1.265519	1.330062	3734.2
1676.312	0.727339	1.2782	1.318816	4069.4
1677.273	0.71927	1.31614	1.32862	3845.24
1678.235	0.741935	1.350181	1.351327	3226.64
1679.197	0.75816	1.333043	1.343146	3396.24
1680.159	0.745837	1.310382	1.333878	3684.48
1681.102	0.746333	1.322254	1.334037	3675.44
1682.043	0.760154	1.348449	1.338536	3556.72
1682.984	0.756373	1.385029	1.363384	3093.36
1683.925	0.732645	1.401521	1.364581	2946.72
1684.866	0.738946	1.385649	1.35267	3161.28
1685.807	0.737851	1.365502	1.351905	3245.4
1686.743	0.744547	1.375811	1.377099	2853.32
1687.666	0.748976	1.39581	1.423532	2207.92
1688.589	0.742137	1.359643	1.412999	2361.4
1689.512	0.753171	1.314177	1.370043	2965.84
1690.435	0.76068	1.285091	1.339913	3592.12
1691.357	0.767569	1.244432	1.317786	4196.68
1692.28	0.764266	1.207329	1.303804	4577.8
1693.205	0.751539	1.21387	1.290413	4892.68
1694.13	0.758389	1.257184	1.297237	4709.36
1695.056	0.757016	1.306128	1.305023	4426.68
1695.981	0.749421	1.33501	1.306675	4308.44
1696.907	0.746093	1.319269	1.309311	4286.2
1697.832	0.74876	1.264345	1.300925	4627.84
1698.757	0.768785	1.20167	1.28267	5327.72
1699.716	0.779247	1.146869	1.263358	5957.48
1700.678	0.773453	1.104337	1.245454	6848.28
1701.639	0.760622	1.072607	1.236625	7486.44
1702.6	0.744569	1.063441	1.234589	7337.72
1703.561	0.733841	1.075966	1.243573	6682.24
1704.522	0.735935	1.088804	1.239751	6949.92
1705.502	0.755315	1.103474	1.231515	7278.52
1706.529	0.773396	1.10571	1.228933	7397.4
1707.556	0.776382	1.094005	1.202707	9137.96
1708.582	0.778623	1.090408	1.177527	10823.72
1709.609	0.785503	1.092239	1.170888	11138.32
1710.636	0.782318	1.083282	1.172549	11069.12
1711.663	0.767946	1.088072	1.178417	10583.88
1712.726	0.759126	1.106034	1.18995	9472.28
1713.81	0.757583	1.10995	1.208521	8271.72

1714.894	0.75176	1.114962	1.216183	7925.6
1715.979	0.74303	1.123625	1.216521	7973.96
1717.063	0.744259	1.120275	1.215091	8125.88
1718.147	0.756952	1.111349	1.212282	8262.28
1719.232	0.768404	1.134218	1.215287	8111.48
1720.339	0.772806	1.166876	1.227131	7665.84
1721.447	0.76957	1.172807	1.242233	6943.08
1722.555	0.76026	1.172503	1.244729	6762
1723.663	0.756112	1.159449	1.237897	6954.76
1724.772	0.76211	1.148326	1.234867	6960.72
1725.88	0.770249	1.146654	1.239536	6782.2
1726.986	0.768797	1.143815	1.239238	6927.56
1728.086	0.762205	1.131578	1.237256	7143.48
1729.186	0.764427	1.126931	1.232204	7180.92
1730.287	0.768061	1.125998	1.214975	7875.96
1731.387	0.770917	1.117708	1.217763	7799
1732.487	0.774513	1.108636	1.227726	7359.08
1733.588	0.7761	1.101114	1.233869	7171.76
1734.681	0.774422	1.098559	1.235434	7225.24
1735.77	0.77739	1.087381	1.229983	7494.24
1736.86	0.772458	1.082772	1.224773	7301.08
1737.949	0.76142	1.080171	1.217828	7542.88
1739.039	0.76397	1.067205	1.217303	7980.48
1740.128	0.771096	1.08201	1.216605	8181.6
1741.218	0.776907	1.106649	1.218464	8093.28
1742.312	0.780577	1.119346	1.220448	7921.08
1743.407	0.774613	1.10668	1.21711	8029.04
1744.502	0.769527	1.104833	1.218411	7904.52
1745.597	0.764464	1.114989	1.223767	7712.92
1746.692	0.761508	1.110748	1.230214	7470.84
1747.787	0.766435	1.115266	1.24127	6870.8
1748.888	0.766901	1.109204	1.249897	6394.32
1750.002	0.770883	1.105809	1.250933	6354.72
1751.116	0.781602	1.108693	1.248697	6416.44
1752.231	0.780269	1.109237	1.243469	6646.84
1753.345	0.777512	1.096327	1.229549	7458.12
1754.459	0.774154	1.087396	1.219227	8034.76
1755.573	0.768202	1.080476	1.217514	7956.36
1756.689	0.766922	1.087816	1.226181	7367.64
1757.805	0.762323	1.112782	1.236138	7007.08
1758.921	0.759759	1.13269	1.239859	6938.52
1760.038	0.759186	1.137456	1.241184	6812.2
1761.154	0.76119	1.125686	1.239338	6915.28
1762.27	0.763872	1.132127	1.244864	6658.12

1763.386	0.772715	1.136543	1.258351	6055.68
1764.466	0.776875	1.136031	1.269463	5642.08
1765.546	0.767676	1.134869	1.266985	5757.92
1766.626	0.765249	1.139547	1.27257	5627.32
1767.706	0.779644	1.143256	1.277948	5420.64
1768.786	0.787973	1.133857	1.269927	5616.8
1769.866	0.780065	1.14305	1.261604	5686.08
1770.922	0.771687	1.175725	1.25695	5735.32
1771.935	0.764732	1.18892	1.265124	5683.84
1772.948	0.756971	1.182153	1.267982	5730.16
1773.96	0.769288	1.159343	1.254932	6197.2
1774.973	0.779335	1.124281	1.23971	6896.72
1775.986	0.775151	1.111324	1.226757	7624.92
1776.998	0.773564	1.115055	1.217163	8199.28
1778.009	0.779186	1.129601	1.221502	7947.2
1779.02	0.786847	1.128559	1.225814	7650.52
1780.03	0.779375	1.123126	1.218892	8011.24
1781.04	0.7785	1.129254	1.219003	7891.36
1782.051	0.784093	1.134508	1.221379	7430.92
1783.061	0.780843	1.107853	1.218686	7553.36
1784.077	0.777003	1.084555	1.220201	7767.64
1785.216	0.776637	1.123592	1.235116	7126.12
1786.354	0.777264	1.153677	1.250127	6335.64
1787.493	0.786256	1.14921	1.259379	5960.28
1788.631	0.786683	1.154206	1.262633	5965.4
1789.77	0.781971	1.174834	1.263951	6022.28
1790.908	0.779798	1.191295	1.270499	5766.08
1792.144	0.778511	1.196959	1.27744	5487.2
1793.531	0.784749	1.194958	1.27748	5453.12
1794.918	0.78916	1.194771	1.280615	5296.6
1796.305	0.785004	1.183998	1.284106	5124.6
1797.691	0.78013	1.167273	1.281525	5241.52
1799.078	0.777736	1.158668	1.272779	5660.32
1800.465	0.77723	1.150599	1.268593	5926.96
1802.015	0.785677	1.171281	1.279808	5594.6
1803.625	0.79021	1.185554	1.279644	5562.84
1805.234	0.78753	1.16764	1.269236	5793.72
1806.843	0.787005	1.155214	1.264226	5814.12
1808.452	0.785386	1.147256	1.258509	5974.56
1810.062	0.775142	1.137347	1.25476	6180.84
1811.678	0.768799	1.135228	1.248225	6601
1813.382	0.779982	1.14979	1.252634	6408.68
1815.086	0.79092	1.161621	1.271002	5609.52
1816.789	0.795474	1.162191	1.290678	4995.96

1818.493	0.790276	1.165022	1.287768	5071.48
1820.197	0.787669	1.169864	1.282822	5124.16
1821.901	0.792177	1.173028	1.295798	4733.96
1823.593	0.776005	1.190456	1.296211	4791.92
1825.269	0.761514	1.23516	1.301484	4687.56
1826.945	0.745256	1.279713	1.324688	4134.92
1828.621	0.735271	1.292961	1.335127	3898.56
1830.297	0.744625	1.280885	1.327418	4048.88
1831.973	0.761274	1.264043	1.323752	4112.88
1833.649	0.769494	1.249709	1.322866	4067.8
1835.282	0.76433	1.223292	1.315134	4160.72
1836.901	0.764487	1.190776	1.301432	4552.68
1838.52	0.763201	1.186117	1.293326	4800.72
1840.139	0.776022	1.210615	1.296466	4577.64
1841.758	0.790514	1.214535	1.299827	4462.32
1843.378	0.793629	1.213309	1.295225	4692.76
1844.995	0.795224	1.206367	1.285449	5051.52
1846.594	0.78791	1.188903	1.271363	5495.68
1848.192	0.7834	1.18639	1.263278	5730.08
1849.791	0.789336	1.184878	1.255966	6150.08
1851.39	0.790329	1.187317	1.24393	6802.76
1852.989	0.787383	1.184348	1.24317	6852.44
1854.588	0.79294	1.176547	1.255807	6311.68
1856.193	0.797014	1.175981	1.263752	5962.32
1857.807	0.793027	1.174869	1.261123	6089
1859.42	0.788893	1.169798	1.245913	6727.48
1861.034	0.78912	1.164876	1.226849	7486.72
1862.648	0.790711	1.161574	1.215768	8092.44
1864.261	0.787715	1.1563	1.209762	8439.92
1865.875	0.786273	1.161964	1.21685	8085.56
1867.5	0.788101	1.149914	1.22895	7582.44
1869.129	0.786275	1.135948	1.23797	7161.44
1870.758	0.779174	1.124836	1.232643	7457.6
1872.386	0.777954	1.129077	1.226194	7781
1874.015	0.778752	1.138493	1.23026	7471.52
1875.644	0.769865	1.130419	1.235072	7210.56
1877.272	0.760736	1.138369	1.243074	6783.08
1878.891	0.755403	1.139546	1.237433	6873.52
1880.511	0.765504	1.140406	1.216446	7895.36
1882.131	0.783187	1.146728	1.206059	8523.32
1883.75	0.791138	1.147206	1.20961	8337
1885.37	0.788482	1.131945	1.20497	8682.76
1886.99	0.787885	1.112696	1.200132	9011.92
1888.594	0.792488	1.107319	1.205693	8556.12

1890.183	0.791265	1.111881	1.204693	8599.6
1891.771	0.787064	1.12554	1.206135	8724.72
1893.36	0.785471	1.12005	1.211494	8488.12
1894.948	0.783118	1.094919	1.211397	8485.6
1896.537	0.786018	1.098989	1.213702	8397.68
1898.125	0.789723	1.12635	1.213602	8283
1899.699	0.788789	1.158595	1.208877	8532.12
1901.268	0.784053	1.161715	1.205348	8797.8
1902.838	0.779333	1.141504	1.201346	8977.24
1904.408	0.781049	1.141868	1.204025	8795.16
1905.978	0.779031	1.145453	1.203616	8732.52
1907.548	0.78226	1.160055	1.205748	8614.6
1909.12	0.792918	1.161465	1.209795	8399.16
1910.709	0.795039	1.143022	1.205219	8726.68
1912.297	0.797562	1.141978	1.201583	9010.48
1913.886	0.794382	1.144841	1.202435	8998.2
1915.474	0.779563	1.153156	1.20796	8640.36
1917.063	0.776589	1.159462	1.216185	8061.48
1918.651	0.777382	1.150859	1.216554	7989.88
1920.266	0.777364	1.147497	1.21046	8288.2
1921.909	0.773249	1.14105	1.199283	9040.04
1923.551	0.772894	1.13911	1.198575	9157.4
1925.193	0.779716	1.14033	1.202488	8913.8
1926.835	0.77929	1.130336	1.19767	9129.08
1928.477	0.782007	1.113427	1.200921	8901.76
1930.119	0.781128	1.086723	1.203622	8736.64
1931.805	0.780658	1.094312	1.202053	8843.68
1933.498	0.784014	1.102772	1.206189	8678.6
1935.191	0.784434	1.104011	1.213085	8314.8
1936.885	0.78346	1.123615	1.213247	8300.64
1938.578	0.777209	1.126243	1.205593	8699.12
1940.272	0.765753	1.141225	1.207086	8580.08
1941.969	0.776397	1.162495	1.221073	7719.24
1943.684	0.790514	1.164057	1.231371	7113.4
1945.399	0.784557	1.178699	1.229604	7215.16
1947.114	0.776806	1.201384	1.226961	7314.8
1948.829	0.779858	1.196402	1.229834	7171.4
1950.544	0.781738	1.191445	1.233337	6998.8
1952.259	0.779603	1.192382	1.231187	7150.68
1953.97	0.787412	1.181666	1.228965	7258.24
1955.679	0.791537	1.194011	1.245131	6501.76
1957.387	0.788866	1.214599	1.265273	5653.24
1959.095	0.789772	1.219259	1.269498	5473.56
1960.803	0.795531	1.225653	1.270141	5382.64

1962.511	0.796047	1.231895	1.26748	5395.92
1964.22	0.799928	1.240372	1.260389	5727.28
1965.918	0.804138	1.258974	1.263369	5716.36
1967.614	0.796602	1.285676	1.293232	4759.8
1969.311	0.790337	1.301463	1.312099	3963.76
1971.008	0.788928	1.276928	1.296047	4309.84
1972.705	0.793259	1.257718	1.285381	4796.6
1974.401	0.781413	1.259279	1.27301	5301.64
1976.098	0.777635	1.257056	1.260624	5697.8
1977.796	0.785121	1.274362	1.261919	5591.16
1979.494	0.784222	1.299985	1.266138	5336.68
1981.192	0.782437	1.294571	1.2636	5408.68
1982.89	0.778457	1.276988	1.263121	5488.48
1984.588	0.778369	1.284357	1.274246	5090.4
1986.286	0.776423	1.310455	1.28453	4706.44
1987.991	0.774597	1.318928	1.291149	4486.8
1989.701	0.78087	1.306287	1.295361	4344.88
1991.412	0.777371	1.287669	1.289292	4545.24
1993.123	0.776273	1.274168	1.288097	4660.88
1994.834	0.780651	1.273536	1.289299	4662.92
1996.544	0.770677	1.280608	1.278494	4915.04
1998.255	0.760841	1.262299	1.264747	5433.4
1999.969	0.766825	1.257087	1.275949	5159.12
2001.683	0.774013	1.287564	1.299642	4366.6
2003.397	0.77816	1.299061	1.309613	4111.4
2005.111	0.769142	1.30942	1.315102	4025.16
2006.824	0.755271	1.321267	1.336546	3522.88
2008.538	0.74162	1.313188	1.349203	3143.16
2010.247	0.739727	1.323724	1.349506	3068.08
2011.939	0.736113	1.330101	1.341569	3176.24
2013.631	0.735439	1.353603	1.346637	3062.52
2015.323	0.736076	1.369514	1.359981	2822.84
2017.015	0.741384	1.365946	1.361533	2834.76
2018.707	0.746421	1.375334	1.368676	2753.52
2020.399	0.727533	1.383639	1.389551	2485.52
2022.066	0.735553	1.401982	1.409312	2244.56
2023.713	0.752386	1.433219	1.418514	2123.16
2025.361	0.736434	1.444612	1.407142	2251.52
2027.009	0.722096	1.438194	1.386483	2499.64
2028.657	0.743536	1.443705	1.39545	2400.72
2030.304	0.760898	1.451972	1.397207	2354.56
2031.952	0.719167	1.385349	1.320279	4005.72
2033.579	0.698527	1.368611	1.306566	4195.2
2035.205	0.71418	1.426024	1.379062	2621.56

2036.83	0.720175	1.433562	1.39803	2343.52
2038.455	0.732607	1.425085	1.383487	2537.76
2040.081	0.747874	1.430816	1.371406	2673.24
2041.706	0.743988	1.437645	1.364517	2771.16
2043.34	0.731308	1.443908	1.368634	2700.28
2044.998	0.732183	1.458558	1.3837	2456.48
2046.656	0.745439	1.469555	1.400984	2197.16
2048.313	0.746527	1.48453	1.40455	2093.96
2049.971	0.734325	1.48869	1.408266	2041.6
2051.629	0.718931	1.457186	1.400912	2110.32
2053.287	0.719842	1.432829	1.383077	2267.64
2054.996	0.738982	1.426852	1.371552	2371.44
2056.738	0.725798	1.428412	1.36674	2383.24
2058.48	0.688445	1.442095	1.388854	2203.16
2060.222	0.711719	1.461095	1.41469	2062.56
2061.965	0.734456	1.422537	1.382232	2581.32
2063.707	0.709974	1.394259	1.353943	2835.56
2065.449	0.718039	1.419036	1.375364	2423.88
2067.267	0.70482	1.425491	1.395154	2013.28
2069.089	0.698779	1.474651	1.452494	1331.8
2070.911	0.703088	1.493521	1.475119	1234.6
2072.733	0.706473	1.454706	1.424911	1836
2074.556	0.709374	1.438202	1.39032	2300.76
2076.378	0.69412	1.432764	1.372113	2585.76
2078.21	0.702941	1.450516	1.376403	2482.08
2080.065	0.724528	1.485985	1.400723	2134.96
2081.921	0.723286	1.494776	1.401933	2102.32
2083.776	0.706122	1.472618	1.37057	2519.04
2085.631	0.710011	1.474519	1.36431	2619.76
2087.487	0.735301	1.480359	1.374124	2525.04
2089.342	0.738153	1.473247	1.376455	2528.84
2091.19	0.720713	1.466421	1.376783	2558.6
2093.033	0.735087	1.459148	1.367139	2744.84
2094.877	0.743422	1.45453	1.359264	2876
2096.72	0.715436	1.442804	1.349342	3034.2
2098.563	0.716307	1.458719	1.363401	2854.24
2100.407	0.73961	1.483483	1.377182	2638.08
2102.25	0.747528	1.488499	1.375223	2638.6
2104.068	0.741415	1.512114	1.407592	2085.48
2105.886	0.742331	1.527066	1.414189	1926.4
2107.704	0.732297	1.495873	1.368438	2620.72
2109.522	0.71256	1.44691	1.323269	3448.32
2111.34	0.713037	1.438493	1.319822	3520.28
2113.158	0.718887	1.445243	1.335791	3182.2

2114.972	0.737131	1.454398	1.350531	2974.24
2116.776	0.745921	1.43995	1.336995	3296.6
2118.58	0.743273	1.420957	1.319892	3620.32
2120.384	0.73435	1.419174	1.328568	3540.2
2122.188	0.745317	1.447116	1.353073	3158.24
2123.992	0.761967	1.479612	1.372807	2780.48
2125.796	0.750898	1.489869	1.380342	2649.52
2127.598	0.731531	1.51657	1.39908	2359.92
2129.4	0.724478	1.545958	1.424603	2038.76
2131.202	0.714502	1.5579	1.441689	1853.6
2133.003	0.706203	1.536188	1.433751	1965.64
2134.805	0.702465	1.461722	1.372016	2957.4
2136.607	0.706102	1.426144	1.330838	3536.44
2138.409	0.713322	1.425345	1.321276	3668.48
2140.213	0.718686	1.430296	1.324169	3636.8
2142.017	0.719535	1.454992	1.345045	3212.88
2143.821	0.728632	1.442794	1.333789	3441.08
2145.625	0.730546	1.407486	1.302885	4143.92
2147.43	0.726561	1.390231	1.286988	4536.36
2149.234	0.729512	1.388643	1.28083	4651.64
2151.039	0.729986	1.410769	1.294724	4254.88
2152.845	0.735447	1.451355	1.328873	3422.16
2154.652	0.727881	1.45156	1.330436	3356.68
2156.458	0.722086	1.427488	1.326197	3477.32
2158.264	0.721996	1.377881	1.302229	4263.48
2160.071	0.72577	1.338702	1.281239	4886.72
2161.877	0.723878	1.321678	1.282551	4942.24
2163.685	0.724188	1.292055	1.281076	5069.44
2165.493	0.728822	1.267633	1.283234	4981.84
2167.301	0.729874	1.275692	1.276732	5173.08
2169.109	0.731351	1.284934	1.266021	5625.32
2170.917	0.733974	1.279681	1.255271	6111.24
2172.725	0.728156	1.283439	1.267212	5752.08
2174.533	0.713853	1.282234	1.291422	4930.16
2176.341	0.706484	1.275754	1.312548	4210.24
2178.148	0.703932	1.2947	1.336771	3425.8
2179.955	0.688272	1.332184	1.353253	2972.12
2181.763	0.67766	1.367124	1.36944	2797.36
2183.57	0.678866	1.380286	1.36849	2958.08
2185.378	0.694012	1.389093	1.371878	2926.4
2187.184	0.70979	1.444613	1.413249	2330.44
2188.987	0.725211	1.478976	1.41605	2191.12
2190.79	0.752239	1.496674	1.40149	2274.16
2192.594	0.771832	1.488823	1.37702	2746.2

2194.397	0.755964	1.449862	1.33603	3563.4
2196.2	0.740723	1.451624	1.341361	3464.68
2198.003	0.738678	1.470008	1.36473	2972.28
2199.801	0.745671	1.497713	1.399265	2430.44
2201.597	0.750981	1.488916	1.390712	2588.96
2203.393	0.727464	1.460486	1.359171	3123.16
2205.189	0.705142	1.480616	1.392073	2682.52
2206.985	0.696371	1.517532	1.451432	1959.24
2208.781	0.703386	1.539722	1.492754	1594.92
2210.576	0.737649	1.531946	1.483764	1677.96
2212.366	0.72465	1.518688	1.456088	1882.96
2214.156	0.718426	1.525991	1.457278	1840.52
2215.945	0.743749	1.538739	1.474523	1681.12
2217.735	0.728057	1.538416	1.480776	1607.28
2219.525	0.722617	1.519117	1.452729	1852.16
2221.314	0.726154	1.50124	1.42057	2145.32
2223.103	0.727225	1.512413	1.421076	2151.64
2224.891	0.733493	1.537228	1.4427	1974.88
2226.679	0.730266	1.54164	1.454975	1858.8
2228.467	0.73129	1.555351	1.469793	1700.6
2230.255	0.740152	1.568602	1.470168	1613.6
2232.044	0.749384	1.545021	1.431483	1881.88
2233.832	0.745013	1.52061	1.410729	2037.24
2235.622	0.736468	1.501019	1.413401	2118.76
2237.413	0.748358	1.511651	1.407456	2300.6
2239.204	0.770363	1.532352	1.391498	2465.96
2240.995	0.777059	1.546688	1.392594	2401.88
2242.786	0.770993	1.581597	1.417581	2094.32
2244.577	0.76488	1.578246	1.414427	2163.88
2246.368	0.762402	1.536017	1.389304	2496.56
2248.163	0.750649	1.495914	1.366766	2848.36
2249.957	0.739061	1.451085	1.330448	3517.04
2251.752	0.719459	1.413663	1.306155	4013.92
2253.547	0.694939	1.418636	1.333332	3522.92
2255.342	0.730234	1.455233	1.376126	2763.2
2257.136	0.751778	1.530963	1.411498	2186.92
2258.932	0.742572	1.572787	1.413487	2072.64
2260.728	0.755032	1.569159	1.416988	2037.12
2262.525	0.752644	1.557974	1.417788	2043.96
2264.321	0.755505	1.53425	1.393966	2359.84
2266.118	0.746203	1.462935	1.350717	3120.24
2267.914	0.723164	1.361878	1.30043	4338.04
2269.711	0.711237	1.344469	1.321794	4090.24
2271.507	0.708951	1.348803	1.350424	3443.48

2273.303	0.72317	1.361586	1.339335	3608.68
2275.099	0.736996	1.39241	1.333242	3617.88
2276.895	0.743709	1.409207	1.347586	3309.08
2278.691	0.740493	1.405928	1.359734	3163.56
2280.487	0.749743	1.39404	1.352719	3321.28
2282.282	0.734172	1.374461	1.330981	3735.88
2284.075	0.715618	1.359726	1.320755	3875
2285.869	0.724126	1.388152	1.345533	3307.64
2287.662	0.730622	1.408751	1.37873	2742.44
2289.455	0.733591	1.416034	1.411683	2346.76
2291.248	0.727503	1.423775	1.41678	2325.8
2293.041	0.734934	1.425319	1.414136	2385
2294.831	0.754328	1.400885	1.393826	2737.76
2296.618	0.758922	1.390983	1.364113	3174.36
2298.405	0.750502	1.420456	1.37096	3017.16
2300.193	0.735713	1.432351	1.381321	2801.52
2301.98	0.726331	1.434094	1.395629	2567.84
2303.767	0.725162	1.443908	1.427107	2216.6
2305.554	0.738344	1.452974	1.435541	2142
2307.335	0.748054	1.463309	1.418118	2309.72
2309.113	0.760598	1.492515	1.41636	2263.76
2310.892	0.756738	1.51748	1.420453	2145.84
2312.671	0.745842	1.517198	1.442117	1944.4
2314.45	0.74327	1.491648	1.457011	1827
2316.228	0.740014	1.477447	1.449741	1917.68
2318.006	0.749114	1.468493	1.44127	2046.88
2319.775	0.754471	1.469984	1.423274	2207.6
2321.544	0.759298	1.494366	1.397568	2415.6
2323.313	0.747955	1.5215	1.394209	2352.92
2325.082	0.733064	1.545601	1.419653	2031.12
2326.851	0.720632	1.528086	1.421123	2133.92
2328.62	0.715472	1.498366	1.428415	2123.36
2330.384	0.714813	1.443058	1.41124	2405.84
2332.143	0.714518	1.423142	1.40819	2487.76
2333.903	0.717011	1.429673	1.4043	2503.76
2335.662	0.733486	1.420888	1.387513	2679.04
2337.422	0.758631	1.422858	1.397584	2568.76
2339.181	0.759268	1.419765	1.380262	2861.6
2340.941	0.760125	1.461303	1.388639	2715.04
2342.693	0.749343	1.483818	1.403498	2406.44
2344.443	0.720246	1.421969	1.369252	2969.88
2346.194	0.716677	1.366754	1.343017	3470.4
2347.944	0.737291	1.33269	1.331776	3744.2
2349.695	0.765413	1.32547	1.338086	3643.16

2351.445	0.773185	1.329576	1.348236	3359.96
2353.196	0.756629	1.319005	1.35161	3265.48
2354.946	0.744483	1.319827	1.376268	2905.32
2356.696	0.740263	1.304142	1.367381	3126.96
2358.447	0.743435	1.265766	1.341692	3615.68
2360.197	0.758134	1.244369	1.335039	3834.44
2361.947	0.77897	1.226471	1.315793	4378.44
2363.698	0.784428	1.2105	1.289021	5218.04
2365.456	0.767891	1.176987	1.268483	5956.24
2367.221	0.754224	1.151338	1.251807	6548.96
2368.986	0.756516	1.153557	1.244904	6794.4
2370.752	0.759631	1.175385	1.254227	6318.68
2372.517	0.759219	1.182996	1.256182	6176.04
2374.282	0.753394	1.147681	1.242426	6918.8
2376.048	0.750852	1.143493	1.243517	6939.48
2377.838	0.747179	1.163036	1.250721	6402.04
2379.632	0.74494	1.161125	1.255903	6113.48
2381.427	0.750544	1.17642	1.270638	5716.24
2383.221	0.753813	1.194713	1.285833	5245.44
2385.016	0.746105	1.217639	1.309028	4573.48
2386.81	0.733171	1.226424	1.344192	3758.88
2388.609	0.74405	1.203231	1.367856	3260.76
2390.423	0.759923	1.178017	1.352683	3583.8
2392.238	0.75969	1.188726	1.329484	4078
2394.053	0.758496	1.2076	1.318634	4325.8
2395.867	0.751808	1.202552	1.294456	4977.76
2397.682	0.750571	1.193665	1.28334	5249.68
2399.496	0.76123	1.184901	1.29072	5067.76
2401.307	0.764915	1.167234	1.280421	5374
2403.113	0.753027	1.168551	1.265585	5727
2404.92	0.748636	1.18159	1.264852	5732.4
2406.726	0.754239	1.167926	1.256928	6099.04
2408.533	0.757016	1.14608	1.244892	6735.68
2410.339	0.758329	1.154962	1.249966	6453.72
2412.146	0.761416	1.155877	1.246031	6500.04
2413.922	0.762547	1.144557	1.233137	7213.44
2415.694	0.762329	1.15245	1.237604	6976.64
2417.467	0.764299	1.151778	1.242534	6646.84
2419.239	0.760364	1.157608	1.242318	6774.32
2421.011	0.752984	1.150684	1.243899	6703.08
2422.784	0.756783	1.14604	1.25153	6278.24
2424.553	0.758636	1.156102	1.258771	6058.36
2426.313	0.753332	1.151079	1.256294	6130.64
2428.073	0.74389	1.161056	1.25075	6337.32

2429.833	0.751296	1.174195	1.260528	6015.92
2431.593	0.763384	1.176923	1.28337	5174.72
2433.353	0.749658	1.173903	1.294298	4693.16
2435.114	0.752416	1.179727	1.296617	4582.16
2436.902	0.774907	1.188547	1.294237	4940.16
2438.711	0.783721	1.206955	1.304589	4724.04
2440.521	0.759521	1.20157	1.344865	3652.68
2442.331	0.744656	1.165581	1.367886	3170.04
2444.14	0.75197	1.165735	1.322362	4307.36
2445.95	0.756069	1.155521	1.253847	6457.04
2447.76	0.754967	1.134885	1.224537	7603.96
2449.664	0.767034	1.139931	1.224577	7664.12
2451.579	0.772258	1.149679	1.231792	7162.52
2453.493	0.767488	1.148394	1.241822	6417.4
2455.407	0.777457	1.135279	1.239363	6734.92
2457.321	0.776073	1.1281	1.234203	7242.36
2459.236	0.761793	1.131721	1.243325	6860.84
2461.153	0.756163	1.152036	1.272054	5484.2
2463.082	0.742162	1.124845	1.28608	4771.24
2465.01	0.744451	1.118448	1.291407	4789.24
2466.938	0.747447	1.140195	1.285237	5058.96
2468.867	0.741091	1.131131	1.274721	5289.84
2470.795	0.758676	1.175459	1.267303	5435.64
2472.724	0.781714	1.195801	1.265461	5455.64
2474.534	0.803968	1.179704	1.292447	4644.28
2476.263	0.817137	1.198129	1.3228	3796.52
2477.992	0.839574	1.221095	1.340523	3411.12
2479.721	0.872252	1.25367	1.352045	3231.28
2481.45	0.892049	1.280666	1.352506	3212.64
2483.179	0.894462	1.261296	1.353332	3149.2
2484.908	0.888641	1.274443	1.359265	2980.88
2486.26	0.871276	1.301468	1.359331	3075.68
2487.585	0.823364	1.302019	1.349486	3367.4
2488.91	0.791169	1.29971	1.339849	3575.12
2490.235	0.79477	1.293116	1.331807	3790.28
2491.56	0.791677	1.263123	1.317854	4060.12
2492.885	0.770897	1.226027	1.311596	4169.4
2494.103	0.76042	1.212578	1.307401	4262.2
2495.044	0.763874	1.201188	1.297274	4414.4
2495.984	0.771527	1.212607	1.302486	4305.64
2496.925	0.774197	1.257046	1.337558	3623.08
2497.866	0.735021	1.278276	1.406642	2457.04
2498.806	0.71408	1.261757	1.402832	2439.24
2499.747	0.740896	1.272772	1.353302	3232.6

2500.58	0.759824	1.302837	1.347778	3405.72
2501.348	0.768391	1.309844	1.349239	3377.08
2502.116	0.771217	1.328461	1.354857	3264.08
2502.883	0.771473	1.343488	1.355269	3245.36
2503.651	0.769557	1.335373	1.343987	3422.2
2504.419	0.772993	1.343686	1.341369	3471.48
2505.187	0.781027	1.359122	1.349769	3386.12
2505.99	0.768561	1.366086	1.357413	3270.8
2506.795	0.729022	1.326553	1.309686	4585.56
2507.599	0.729383	1.297602	1.285204	5094.08
2508.404	0.759881	1.310454	1.312602	4246.56
2509.209	0.764535	1.304318	1.312645	4294.88
2510.013	0.758884	1.305828	1.316121	4203.12
2510.849	0.752318	1.322059	1.311428	4343.52
2511.755	0.747138	1.344703	1.314272	4244.28
2512.661	0.752507	1.38115	1.344682	3461.8
2513.567	0.757885	1.36844	1.350045	3367.48
2514.473	0.751668	1.32857	1.337055	3747.88
2515.379	0.752214	1.3372	1.339009	3690.36
2516.285	0.755094	1.35575	1.34875	3461.24
2517.217	0.752219	1.357712	1.352377	3421.012
2518.163	0.75029	1.357356	1.350963	3424.88
2519.108	0.748361	1.357	1.349548	3428.749
2520.054	0.746432	1.356644	1.348134	3432.618
2521	0.744503	1.356288	1.346719	3436.486
2521.946	0.742574	1.355932	1.345305	3440.355
2522.892	0.740644	1.355576	1.343891	3444.223
2523.815	0.738715	1.35522	1.342476	3448.092
2524.738	0.736786	1.354864	1.341062	3451.961
2525.66	0.734857	1.354508	1.339647	3455.829
2526.583	0.732928	1.354152	1.338233	3459.698
2527.506	0.730999	1.353796	1.336819	3463.566
2528.429	0.729069	1.35344	1.335404	3467.435
2529.339	0.72714	1.353084	1.33399	3471.304
2530.223	0.725211	1.352728	1.332576	3475.172
2531.108	0.723282	1.352372	1.331161	3479.041
2531.992	0.721353	1.352016	1.329747	3482.909
2532.876	0.719423	1.35166	1.328332	3486.778
2533.761	0.717494	1.351304	1.326918	3490.647
2534.645	0.715565	1.350948	1.325504	3494.515
2535.522	0.713636	1.350592	1.324089	3498.384
2536.394	0.711707	1.350236	1.322675	3502.253
2537.267	0.709778	1.34988	1.321261	3506.121
2538.139	0.707848	1.349524	1.319846	3509.99

2539.012	0.705919	1.349168	1.318432	3513.858
2539.885	0.70399	1.348812	1.317017	3517.727
2540.758	0.702061	1.348456	1.315603	3521.596
2541.645	0.701015	1.350859	1.317623	3466.44
2542.533	0.701912	1.375265	1.34427	3004.6
2543.42	0.678431	1.40544	1.363701	2775.4
2544.307	0.7135	1.388683	1.363662	2795.48
2545.195	0.702495	1.411736	1.385036	2494.24
2546.082	0.698751	1.407501	1.390448	2475.76
2546.974	0.72128	1.439854	1.410906	2181.36
2547.873	0.709196	1.45555	1.400192	2283.44
2548.772	0.682661	1.436666	1.398248	2305.72
2549.671	0.674899	1.403245	1.353628	2974
2550.57	0.735214	1.422556	1.389629	2475.16
2551.469	0.714967	1.416245	1.416669	2183.16
2552.369	0.731745	1.42408	1.42157	2159.68
2553.256	0.692601	1.372083	1.357223	3091.08
2554.138	0.701603	1.392739	1.394819	2483.64
2555.019	0.65783	1.421487	1.435958	1927.24
2555.901	0.690706	1.385378	1.37171	2635.6
2556.783	0.696004	1.377758	1.334298	3301.44
2557.665	0.734488	1.390084	1.339449	3300.96
2558.545	0.74775	1.377796	1.344315	3224.32
2559.381	0.73868	1.387525	1.332454	3342.88
2560.217	0.723042	1.346131	1.304682	4092.32
2561.053	0.722201	1.318409	1.276968	5035.76
2561.89	0.737861	1.285856	1.256397	5818.96
2562.726	0.747134	1.298631	1.271484	5231.44
2563.562	0.734748	1.265726	1.253049	5988.76
2564.38	0.743491	1.258303	1.268641	5579.12
2565.17	0.759098	1.271795	1.284908	4945.24
2565.96	0.744042	1.293569	1.291324	4527.12
2566.75	0.735889	1.266838	1.27999	5057.52
2567.54	0.724185	1.182538	1.238696	6711.16
2568.329	0.741005	1.212628	1.237551	6717.4
2569.119	0.729417	1.240504	1.262458	5237.6
2569.893	0.724818	1.270282	1.25347	5584.44
2570.661	0.751737	1.277495	1.256934	5777.6
2571.429	0.757222	1.273846	1.272304	5383.04
2572.196	0.742405	1.260828	1.271591	5510
2572.964	0.737272	1.276965	1.3064	4273.12
2573.732	0.725674	1.255951	1.291633	4729.08
2574.5	0.699144	1.201471	1.258022	6027.8
2575.27	0.727721	1.2162	1.248038	6444.24

2576.04	0.742879	1.247204	1.252101	6194.28
2576.81	0.729543	1.237373	1.281633	5071.96
2577.58	0.706527	1.254561	1.299152	4459.76
2578.351	0.736956	1.223553	1.297507	4369.4
2579.121	0.750211	1.239491	1.31316	4029.56
2579.896	0.71609	1.230793	1.280941	4978.12
2580.678	0.742544	1.264621	1.311731	4026.72
2581.46	0.739793	1.301381	1.282683	4732.56
2582.242	0.748705	1.316792	1.258772	5429.04
2583.024	0.754387	1.303394	1.285838	4797.36
2583.806	0.740823	1.261929	1.296068	4687.32
2584.588	0.75723	1.264351	1.312737	4279.84
2585.377	0.767972	1.283796	1.319809	3818.2
2586.167	0.771433	1.275132	1.313898	3997.12
2586.957	0.767007	1.255738	1.297011	4480.12
2587.747	0.75854	1.240609	1.284778	4751.2
2588.538	0.738173	1.235348	1.293182	4489.84
2589.328	0.760942	1.246488	1.294474	4597.36
2590.119	0.753466	1.273302	1.29826	4563.88
2590.913	0.746391	1.246737	1.292118	4669.96
2591.707	0.731489	1.281858	1.322576	3802.36
2592.502	0.74445	1.312083	1.333494	3575.28
2593.296	0.717914	1.285562	1.312399	4020.52
2594.09	0.723951	1.275465	1.300616	4302.92
2594.884	0.738521	1.249889	1.291747	4660.64
2595.678	0.723372	1.229157	1.280887	4931.48
2596.472	0.734024	1.262836	1.276267	5053.32
2597.266	0.721117	1.231545	1.274092	5376.16
2598.059	0.714834	1.284686	1.279537	4982.8
2598.853	0.744198	1.241737	1.267848	5280.72
2599.646	0.73458	1.313528	1.284786	4590.96
2600.44	0.737049	1.346613	1.295499	4308.68
2601.229	0.723336	1.344747	1.305476	4124.08
2602.017	0.728246	1.342483	1.300387	4133.32
2602.805	0.74618	1.345233	1.304512	4134.12
2603.594	0.741318	1.361847	1.309042	4094.2
2604.382	0.739857	1.366744	1.296532	4298.92
2605.17	0.731155	1.346373	1.294539	4412.36
2605.957	0.741441	1.345507	1.289946	4482.96
2606.734	0.714596	1.303444	1.232989	6545.76
2607.512	0.747364	1.323914	1.27851	4928.88
2608.29	0.748559	1.334981	1.295626	4378.12
2609.068	0.779239	1.346403	1.298038	4347.2
2609.846	0.757509	1.341205	1.308058	4015.84

2610.624	0.727027	1.312102	1.345693	3336.44
2611.398	0.719677	1.321302	1.323742	3754.8
2612.167	0.753134	1.291132	1.276826	4847.08
2612.936	0.74336	1.283629	1.230509	6479.8
2613.705	0.748514	1.286587	1.20402	7682.56
2614.475	0.75147	1.307033	1.210455	7117.48
2615.244	0.753006	1.308759	1.221467	6474.88
2616.013	0.75863	1.304013	1.219993	6794.88
2616.781	0.756511	1.300582	1.222953	7068.24
2617.549	0.744161	1.29421	1.248977	6072.56
2618.316	0.740355	1.285104	1.234333	6450.16
2619.084	0.748668	1.300059	1.244369	6167.08
2619.852	0.742895	1.291518	1.2339	6688.44
2620.619	0.745129	1.299885	1.265877	5282.72
2621.388	0.722129	1.297699	1.263025	5195.96
2622.161	0.710589	1.289581	1.267666	5096.32
2622.934	0.719909	1.279516	1.250314	5811.12
2623.707	0.738025	1.285987	1.244578	6145.96
2624.48	0.73455	1.288291	1.243985	6171.16
2625.253	0.721279	1.283033	1.236624	6296.24
2626.026	0.738015	1.276871	1.201852	7710.88
2626.802	0.744829	1.264956	1.163077	9866.32
2627.582	0.749029	1.276924	1.161435	10032.16
2628.362	0.753455	1.270734	1.167818	9796.6
2629.142	0.760758	1.28582	1.198955	7949.16
2629.921	0.761263	1.281314	1.194299	7915.24
2630.701	0.749242	1.294066	1.191856	7927.36
2631.481	0.756933	1.283057	1.183818	8410.84
2632.263	0.753799	1.253321	1.176218	9089.64
2633.045	0.751613	1.243844	1.178747	9451.6
2633.827	0.760029	1.245415	1.187839	9011.04
2634.609	0.765593	1.243389	1.19311	8612.52
2635.392	0.749482	1.233315	1.195972	8405.92
2636.174	0.738247	1.210898	1.186162	9046.76
2636.956	0.742955	1.207269	1.181386	9319.28
2637.736	0.748874	1.212106	1.171165	9702.64
2638.517	0.758826	1.203429	1.154963	10960.76
2639.297	0.760022	1.182586	1.143632	12342.4
2640.078	0.759826	1.188545	1.139894	12533.56
2640.858	0.772475	1.222664	1.146627	11439.24
2641.639	0.765718	1.270713	1.160842	9567.32
2642.418	0.761566	1.249505	1.152717	10612.2
2643.197	0.774647	1.209573	1.132146	12635.36
2643.975	0.775459	1.192812	1.127855	13201.84

2644.754	0.781777	1.172414	1.127697	13205.12
2645.532	0.781092	1.151057	1.127092	13543.8
2646.311	0.779478	1.152632	1.134333	12589.8
2647.089	0.78197	1.139124	1.140363	12268.92
2647.869	0.781317	1.16605	1.139172	12240.56
2648.649	0.777781	1.119617	1.141568	12280.44
2649.429	0.775844	1.101376	1.141513	12414.24
2650.209	0.777403	1.117596	1.151836	11712.52
2650.989	0.772437	1.126097	1.164588	10575.6
2651.769	0.777515	1.102449	1.164633	10388.44
2652.55	0.773778	1.096655	1.174237	9692.72
2653.335	0.770093	1.098052	1.17128	10050.56
2654.12	0.766869	1.1068	1.182827	9158.84
2654.905	0.760198	1.126402	1.192859	8468.16
2655.69	0.74701	1.152768	1.197533	8232.56
2656.475	0.742071	1.142308	1.194534	8483.12
2657.26	0.757314	1.110429	1.195268	8465
2658.048	0.752092	1.114902	1.197578	8358.36
2658.838	0.747929	1.137226	1.217455	7294.4
2659.628	0.748523	1.178505	1.240267	6301.76
2660.418	0.739017	1.180029	1.253389	5668.8
2661.208	0.721085	1.16415	1.219627	6899.12
2661.998	0.730626	1.158794	1.211749	7307.6
2662.788	0.725347	1.130472	1.206093	7617.84
2663.579	0.724589	1.136063	1.19984	8055.04
2664.371	0.735149	1.186042	1.199214	7893.64
2665.162	0.731083	1.200274	1.186712	8440.88
2665.954	0.746125	1.183724	1.177557	8991.32
2666.746	0.742795	1.176537	1.167922	9637.76
2667.537	0.744283	1.193164	1.151125	10645.56
2668.328	0.75663	1.218171	1.16548	9629.84
2669.118	0.75469	1.262125	1.183594	8328.08
2669.907	0.74819	1.24042	1.17362	8982.32
2670.697	0.747021	1.253732	1.183052	8370.88
2671.487	0.758129	1.254086	1.188314	8221.44
2672.276	0.743718	1.209268	1.181099	8761.84
2673.066	0.760393	1.211524	1.158836	9995.92
2673.852	0.75881	1.240661	1.162403	9555.68
2674.637	0.762531	1.217105	1.160875	10052.92
2675.421	0.7573	1.237758	1.161456	9843.08
2676.206	0.751978	1.216896	1.153816	10677.16
2676.99	0.751661	1.205602	1.151669	11006.32
2677.775	0.757582	1.220966	1.155708	10610.84
2678.559	0.762522	1.173837	1.142314	12100.96

2679.336	0.76721	1.168107	1.146911	11681.6
2680.113	0.754917	1.169355	1.150809	11495.2
2680.889	0.752974	1.163871	1.159934	10688.36
2681.666	0.762496	1.143886	1.153256	11398.64
2682.442	0.755299	1.179753	1.161295	10714.12
2683.219	0.763388	1.212213	1.162887	10349.44
2683.993	0.763035	1.160555	1.152271	11241.4
2684.759	0.760127	1.159743	1.15073	11553.76
2685.525	0.762721	1.141733	1.138985	12599.32
2686.29	0.765295	1.15672	1.137731	12580.48
2687.056	0.775964	1.19227	1.147147	11656.28
2687.822	0.774112	1.20429	1.15476	10900.44
2688.588	0.763673	1.20313	1.184022	8917.16
2689.348	0.735757	1.19938	1.200917	7915.72
2690.105	0.752895	1.191414	1.151125	11071.4
2690.861	0.771732	1.199319	1.123311	13303.48
2691.617	0.771098	1.173029	1.115194	14159.16
2692.374	0.776505	1.165763	1.11091	15001.6
2693.13	0.782692	1.154874	1.105655	15546.2
2693.886	0.773926	1.149481	1.105592	15492.64
2694.638	0.777231	1.118716	1.096424	16803.28
2695.39	0.779681	1.100973	1.09851	16763.72
2696.141	0.774819	1.073125	1.098334	16946.24
2696.893	0.780116	1.079266	1.093324	17627.24
2697.644	0.779697	1.102787	1.098853	16449.88
2698.396	0.767091	1.130254	1.105236	15197.64
2699.147	0.773116	1.102446	1.099518	16370.64
2699.899	0.779536	1.065466	1.092629	17814.44
2700.65	0.775185	1.061085	1.091696	18336.8
2701.402	0.767975	1.061898	1.095043	17600.92
2702.153	0.763625	1.069462	1.100994	16555.28
2702.905	0.778275	1.10506	1.09982	16111.44
2703.656	0.77384	1.097749	1.0991	16499.2
2704.409	0.771378	1.111207	1.102241	15967.4
2705.163	0.76559	1.092964	1.087347	17912.64
2705.917	0.772737	1.059122	1.081492	18713.92
2706.671	0.775649	1.042259	1.07987	19042.52
2707.424	0.769642	1.043028	1.082626	18492.76
2708.178	0.76047	1.02083	1.077953	18772.8
2708.932	0.770158	1.038522	1.082176	18181.92
2709.688	0.76388	1.037944	1.08878	17558.72
2710.445	0.761245	1.049667	1.089575	17065.24
2711.201	0.770404	1.045603	1.090306	16965.4
2711.957	0.77121	1.055218	1.091668	16961.36

2712.713	0.775198	1.062968	1.09385	16501.24
2713.469	0.775779	1.047124	1.093864	16645.24
2714.226	0.778864	1.050202	1.094534	16520
2714.985	0.763847	1.072227	1.098269	15870.88
2715.743	0.763887	1.103353	1.119528	13161.08
2716.502	0.76179	1.101288	1.123052	12712.96
2717.26	0.741118	1.105326	1.133352	11673.4
2718.019	0.749008	1.137784	1.15459	9607.526
2718.777	0.749418	1.152158	1.163577	9295.245
2719.537	0.749829	1.166532	1.172565	8982.963
2720.297	0.75024	1.180906	1.181553	8670.682
2721.057	0.750651	1.19528	1.190541	8358.4
2721.817	0.751061	1.209654	1.199528	8046.118
2722.577	0.751472	1.224028	1.208516	7733.837
2723.337	0.751883	1.238402	1.217504	7421.555
2724.098	0.752293	1.252776	1.226492	7109.274
2724.858	0.752704	1.26715	1.23548	6796.992
2725.618	0.753115	1.281524	1.244467	6484.711
2726.379	0.753525	1.295897	1.253455	6172.429
2727.139	0.753936	1.310271	1.262443	5860.148
2727.9	0.754347	1.324645	1.271431	5547.866
2728.66	0.754758	1.339019	1.280418	5235.584
2729.42	0.755168	1.353393	1.289406	4923.303
2730.18	0.755579	1.367767	1.298394	4611.021
2730.939	0.75599	1.382141	1.307382	4298.74
2731.699	0.7564	1.396515	1.316369	3986.458
2732.458	0.756811	1.410889	1.325357	3674.177
2733.218	0.757222	1.425263	1.334345	3361.895
2733.977	0.756937	1.416296	1.324229	3628
2734.735	0.745655	1.397813	1.316183	3914.24
2735.492	0.731607	1.396982	1.33188	3526.04
2736.249	0.718759	1.399485	1.350122	3127.24
2737.006	0.71674	1.407957	1.369691	2832.56
2737.763	0.720911	1.414363	1.365603	2866.72
2738.52	0.715015	1.415362	1.345756	3153.92
2739.277	0.731415	1.42633	1.341743	3222
2740.031	0.747476	1.442226	1.356532	2986.88
2740.784	0.723469	1.429233	1.376703	2708.28
2741.538	0.709324	1.4169	1.393232	2495.8
2742.291	0.713326	1.400848	1.386467	2536.36
2743.045	0.703435	1.384656	1.387121	2553.8
2743.798	0.70687	1.389058	1.3936	2538.2
2744.55	0.721157	1.402592	1.384816	2662.4
2745.299	0.705197	1.389658	1.342909	3458.8

2746.047	0.709346	1.394458	1.322057	3762.68
2746.796	0.736526	1.418077	1.324867	3621.16
2747.544	0.744251	1.429623	1.312857	3799.92
2748.293	0.749031	1.457236	1.318388	3550.36
2749.042	0.76194	1.469504	1.329395	3310.8
2749.789	0.753165	1.469523	1.343407	3142.6
2750.535	0.709886	1.469506	1.400215	2471.2
2751.282	0.67976	1.436643	1.433441	2082.72
2752.028	0.699933	1.392229	1.371575	2991.08
2752.775	0.719832	1.37804	1.308031	4020.36
2753.521	0.724951	1.370435	1.291181	4388.16
2754.268	0.723116	1.362993	1.318822	3808.32
2755.018	0.672575	1.342602	1.328706	3511.8
2755.769	0.663078	1.338322	1.319772	3609.4
2756.52	0.672618	1.336986	1.327422	3501.88
2757.27	0.682315	1.332829	1.335186	3420.72
2758.021	0.719727	1.334945	1.325736	3556.56
2758.772	0.739701	1.30885	1.295454	4312.32
2759.527	0.745507	1.265865	1.272796	5137.92
2760.288	0.746361	1.233904	1.263421	5590.56
2761.05	0.74974	1.232529	1.263693	5573.12
2761.811	0.75211	1.236335	1.257307	5787.24
2762.572	0.744585	1.223591	1.255981	5950.52
2763.334	0.734722	1.230723	1.272428	5407.16
2764.095	0.729288	1.240349	1.307013	4425.36
2764.863	0.714171	1.227302	1.350031	3470.12
2765.635	0.68337	1.238385	1.377069	2885.72
2766.406	0.68262	1.240808	1.385071	2655.28
2767.177	0.697936	1.264203	1.412767	2298.92
2767.948	0.696184	1.276238	1.409586	2404.16
2768.719	0.697594	1.216687	1.360523	3232.4
2769.49	0.698758	1.158472	1.314587	4271.4
2770.263	0.70595	1.151446	1.287538	4954.72
2771.035	0.712224	1.182594	1.291347	4832.92
2771.808	0.713232	1.19022	1.306792	4387.28
2772.58	0.711457	1.18193	1.305726	4409.36
2773.353	0.709865	1.152038	1.289235	4929.88
2774.125	0.703997	1.151311	1.295028	4801.56
2774.895	0.694264	1.187146	1.318694	4146.56
2775.66	0.707333	1.193594	1.327308	3916.76
2776.426	0.719039	1.23032	1.333082	3733.8
2777.191	0.705062	1.24511	1.349588	3329
2777.957	0.69399	1.225474	1.354068	3216.04
2778.722	0.704407	1.26447	1.36363	3054.48

2779.488	0.720189	1.29757	1.378437	2831.24
2780.246	0.7323	1.292394	1.351428	3372.04
2781.003	0.722249	1.276713	1.323503	3852.56
2781.759	0.700656	1.255318	1.329026	3744.2
2782.515	0.691316	1.242237	1.363818	3207.92
2783.272	0.677739	1.254884	1.38471	2828.12
2784.028	0.688759	1.29423	1.385834	2783.28
2784.784	0.705463	1.31589	1.393135	2665.96
2785.536	0.700923	1.299916	1.375527	2829.72
2786.288	0.686533	1.277866	1.347747	3287.48
2787.039	0.704903	1.254718	1.321586	3974.76
2787.791	0.722057	1.254522	1.308791	4270.4
2788.543	0.721802	1.277462	1.310795	4222.44
2789.295	0.73939	1.298357	1.30797	4358.96
2790.047	0.752521	1.312454	1.29049	4810.68
2790.798	0.757978	1.316242	1.265883	5387.6
2791.55	0.75309	1.330219	1.258529	5459.88
2792.302	0.737421	1.313084	1.259336	5473.72
2793.054	0.727772	1.266625	1.244051	6328.6
2793.806	0.742025	1.263611	1.254824	5937.48
2794.557	0.741087	1.280467	1.300627	4450.72
2795.312	0.724566	1.265487	1.325951	3938.04
2796.068	0.735527	1.22636	1.312029	4337.72
2796.824	0.74294	1.198702	1.25663	6205.4
2797.58	0.744962	1.18646	1.208823	8239.68
2798.335	0.75672	1.175392	1.191785	9392.68
2799.091	0.765411	1.173758	1.189553	9576.44
2799.848	0.766307	1.194959	1.201644	8827.36
2800.611	0.760136	1.21923	1.217774	7801.28
2801.373	0.753408	1.251057	1.229011	6957.52
2802.136	0.750583	1.269514	1.233264	6809.4
2802.899	0.749287	1.279938	1.249895	6295.72
2803.661	0.744695	1.288407	1.282032	5133.2
2804.424	0.741885	1.28727	1.31067	4253.76
2805.192	0.742191	1.308264	1.329305	3705.64
2805.964	0.728345	1.328243	1.334358	3593.36
2806.737	0.723021	1.329329	1.326381	3873.72
2807.509	0.738205	1.306218	1.304536	4577.4
2808.282	0.752366	1.294676	1.288097	5078.96
2809.054	0.762719	1.302034	1.28034	5273.56
2809.827	0.762049	1.307903	1.273031	5415.96
2810.607	0.750537	1.310936	1.258538	5845.48
2811.389	0.758388	1.289407	1.227637	7190.6
2812.172	0.768039	1.254333	1.20907	8227.52

2812.954	0.757339	1.218838	1.215745	7974.28
2813.736	0.754465	1.168878	1.211957	8438.32
2814.518	0.76191	1.122132	1.198734	9514.6
2815.302	0.75611	1.111676	1.206341	9139.84
2816.091	0.743637	1.122489	1.214507	8558.92
2816.879	0.740305	1.124352	1.215758	8411.44
2817.668	0.739238	1.141088	1.222325	7924.88
2818.457	0.743084	1.166349	1.215191	8206.96
2819.246	0.754411	1.148976	1.19425	9613.4
2820.035	0.768655	1.137853	1.177887	10846.56
2820.825	0.767369	1.140677	1.16866	11510.8
2821.617	0.768176	1.142241	1.165607	11564
2822.409	0.777619	1.138942	1.157206	12246.2
2823.201	0.778833	1.119053	1.14365	13691.4
2823.993	0.778598	1.100288	1.138057	14390.44
2824.785	0.779827	1.083331	1.140995	14163.6
2825.578	0.778947	1.08349	1.144511	13772.44
2826.37	0.775608	1.108015	1.145217	13534.6
2827.162	0.778276	1.145342	1.154741	12508
2827.954	0.775439	1.168382	1.159722	11980.56
2828.746	0.770178	1.155935	1.151208	12873.16
2829.538	0.768544	1.131455	1.142881	13875.2
2830.33	0.77086	1.126594	1.140668	14117.92
2831.122	0.775243	1.131493	1.139762	14212.24
2831.911	0.779831	1.122623	1.136183	14613.92
2832.701	0.774626	1.102366	1.14071	14229.32
2833.49	0.747998	1.076059	1.159134	12683.6
2834.279	0.734089	1.058645	1.175127	11255.4
2835.068	0.735049	1.058788	1.178666	10803.32
2835.858	0.739011	1.097546	1.177821	10613.84
2836.644	0.737203	1.153698	1.172279	10767.56
2837.427	0.736932	1.171137	1.166558	11256.68
2838.211	0.745274	1.157388	1.160789	11927.2
2838.994	0.746092	1.120274	1.14783	13375.44
2839.778	0.747051	1.104387	1.139891	14186.2
2840.561	0.755989	1.119258	1.143334	13530.76
2841.345	0.759153	1.119761	1.145446	13315.84
2842.124	0.757946	1.106948	1.14101	13774.16
2842.903	0.758953	1.084581	1.134336	14464.96
2843.682	0.761068	1.069513	1.127035	15534.2
2844.46	0.764157	1.094322	1.123965	15771.68
2845.239	0.770586	1.146193	1.128204	14862.44
2846.018	0.769792	1.170522	1.133379	14097.28
2846.797	0.763922	1.166322	1.13382	13916.72

2847.576	0.760254	1.154088	1.125051	14716
2848.355	0.758122	1.139323	1.116473	15939.96
2849.134	0.76071	1.122944	1.119584	16002.88
2849.913	0.760285	1.110932	1.1244	15358.2
2850.692	0.761483	1.109412	1.122522	15407.84
2851.471	0.767197	1.121624	1.123092	15181.4
2852.253	0.766091	1.115607	1.125413	15040.12
2853.037	0.766417	1.080678	1.123466	15627.48
2853.822	0.764739	1.057236	1.123797	15692.32
2854.606	0.763061	1.055382	1.124574	15700.96
2855.39	0.766715	1.048534	1.128744	15395.84
2856.175	0.769216	1.038299	1.135256	14658.92
2856.959	0.771933	1.027632	1.134311	14642.04
2857.747	0.769577	1.055382	1.128564	15190.32
2858.536	0.76364	1.097883	1.127908	15108.96
2859.325	0.766667	1.113418	1.130379	14564.52
2860.113	0.768643	1.132774	1.13345	13899.28
2860.902	0.763205	1.116595	1.138626	13501
2861.691	0.761236	1.082219	1.137835	13970.16
2862.478	0.762184	1.08878	1.145747	12646.72
2863.263	0.755723	1.086429	1.164773	9912
2864.049	0.742344	1.073112	1.178745	9089.48
2864.834	0.732054	1.087165	1.203239	8083.52
2865.619	0.721822	1.131993	1.239848	6085
2866.404	0.729069	1.151544	1.248904	5861.32
2867.189	0.738044	1.138253	1.236861	6410
2867.967	0.735531	1.119522	1.219515	6554.08
2868.741	0.746872	1.103399	1.206216	7255.28
2869.514	0.754849	1.126928	1.209005	7679.76
2870.288	0.749967	1.154634	1.211958	7670.56
2871.061	0.738676	1.156596	1.211085	7867.8
2871.835	0.732494	1.148852	1.22056	7507.16
2872.608	0.730866	1.138095	1.240837	6559
2873.37	0.741905	1.136728	1.275832	5295.36
2874.132	0.742686	1.165108	1.311449	4186.68
2874.893	0.725056	1.168415	1.291489	4751.92
2875.654	0.729919	1.160616	1.248348	6065.84
2876.415	0.75218	1.166071	1.221098	7367.6
2877.177	0.761512	1.135686	1.202747	8591.56
2877.936	0.77048	1.115547	1.19739	8967.12
2878.692	0.775006	1.129057	1.205624	8485.84
2879.449	0.770437	1.149297	1.21735	7806.12
2880.205	0.775952	1.163786	1.238718	6750.04
2880.961	0.784797	1.159304	1.275417	5292.44

2881.717	0.784695	1.137294	1.26908	5587.88
2882.473	0.767539	1.116799	1.222491	7758.88
2883.23	0.752701	1.108425	1.184189	9951.84
2883.988	0.761906	1.086814	1.160857	11629.08
2884.746	0.771272	1.082778	1.15056	12626.56
2885.505	0.769069	1.090563	1.14012	13589.32
2886.263	0.769908	1.087425	1.135695	13929.32
2887.021	0.775076	1.079864	1.129768	14713.44
2887.779	0.777353	1.067712	1.12172	15636.72
2888.542	0.768732	1.085711	1.118131	15899.2
2889.306	0.768215	1.092966	1.112978	16671.96
2890.069	0.779276	1.073575	1.113495	16799.88
2890.833	0.781098	1.060862	1.116068	16451.28
2891.596	0.775862	1.052862	1.115054	16812.44
2892.36	0.783431	1.0509	1.118838	16450.88
2893.124	0.785743	1.058932	1.125433	15597.08
2893.891	0.774457	1.080974	1.126989	15341.08
2894.658	0.768223	1.081088	1.124862	15263.64
2895.425	0.766371	1.068837	1.119049	15869.2
2896.192	0.776383	1.055559	1.116941	16311.56
2896.959	0.789435	1.057836	1.122604	15701.68
2897.726	0.788068	1.089836	1.129133	14864.6
2898.494	0.786119	1.106952	1.134392	14179.48
2899.263	0.785711	1.098197	1.144381	13170.68
2900.032	0.781547	1.095204	1.140885	13434.44
2900.801	0.783892	1.081201	1.12722	14847.56
2901.569	0.788122	1.066447	1.128283	14712.48
2902.338	0.788557	1.094475	1.137654	13500.4
2903.107	0.789588	1.094512	1.138695	13383.36
2903.877	0.790333	1.068063	1.136318	13617.4
2904.646	0.789042	1.078536	1.147225	12609.88
2905.416	0.786571	1.110503	1.16671	10975.2
2906.185	0.787668	1.116666	1.181225	9981.08
2906.955	0.791299	1.123897	1.191512	9370.8
2907.724	0.798565	1.137618	1.196726	8974.24
2908.494	0.802185	1.167883	1.201619	8540.52
2909.264	0.802759	1.182723	1.19885	8632.8
2910.035	0.808952	1.160989	1.199338	8763.64
2910.805	0.811989	1.140277	1.202307	8685.44
2911.575	0.805744	1.147121	1.202414	8592.6
2912.346	0.798388	1.168007	1.208423	8131.157
2913.116	0.78668	1.15664	1.207114	8207.5
2913.887	0.780557	1.155413	1.205281	8326.5
2914.658	0.794224	1.153401	1.211754	7942

2915.429	0.800823	1.168815	1.219697	7504.5
2916.201	0.806664	1.197582	1.242752	6503
2916.972	0.82174	1.175922	1.25799	5857
2917.743	0.829378	1.181817	1.263748	5674
2918.514	0.831969	1.210372	1.278589	5169.5
2919.286	0.817041	1.201538	1.301212	4563
2920.057	0.792945	1.18475	1.295898	4779.5
2920.829	0.780874	1.210148	1.276699	5232.5
2921.6	0.775374	1.218151	1.267263	5572
2922.371	0.779239	1.179127	1.242511	6703.5
2923.143	0.797501	1.181246	1.247107	6501
2923.913	0.812357	1.176208	1.245535	6488
2924.683	0.811054	1.169465	1.227177	7269
2925.453	0.809229	1.179601	1.219081	7648.5
2926.222	0.806699	1.186432	1.216216	7767
2926.992	0.803193	1.204441	1.226254	7192
2927.761	0.803356	1.209141	1.237917	6724
2928.531	0.80458	1.225414	1.257018	6008
2929.298	0.79362	1.246379	1.275163	5288
2930.064	0.779702	1.261	1.30052	4609
2930.83	0.761682	1.288527	1.333193	3801
2931.597	0.737468	1.32798	1.355172	3256.5
2932.363	0.742762	1.344869	1.359734	3095
2933.129	0.749929	1.315239	1.323708	3949.5
2933.895	0.760327	1.295282	1.299677	4456.5
2934.658	0.769279	1.315546	1.326421	3794
2935.422	0.7447	1.34564	1.344361	3410.5
2936.185	0.741235	1.370545	1.33885	3487.5
2936.949	0.748787	1.389155	1.338488	3418
2937.712	0.744818	1.410535	1.361248	3001.5
2938.475	0.728621	1.410289	1.39907	2495.5
2939.239	0.721783	1.41128	1.40706	2394.5
2940.004	0.73658	1.421589	1.399161	2449.5
2940.769	0.723704	1.411698	1.398611	2456
2941.533	0.721851	1.397923	1.37871	2780.5
2942.298	0.731067	1.388612	1.369386	2912.5
2943.063	0.719461	1.375718	1.370314	2898.5
2943.828	0.717783	1.360556	1.350301	3246.5
2944.596	0.738657	1.362978	1.340154	3393
2945.366	0.749035	1.372124	1.344466	3317
2946.136	0.733432	1.368137	1.350287	3263.5
2946.906	0.726948	1.395892	1.361034	3041.5
2947.676	0.718871	1.414148	1.364334	2928
2948.445	0.724528	1.386365	1.359131	3050.5

2949.216	0.730098	1.371379	1.355387	3147.5
2949.991	0.729993	1.347265	1.337928	3543.5
2950.766	0.735565	1.348062	1.319379	3910
2951.541	0.738488	1.361571	1.314802	3996.5
2952.317	0.733191	1.347511	1.306832	4205.5
2953.092	0.714993	1.375554	1.333321	3632
2953.867	0.724353	1.402819	1.358203	3069
2954.643	0.742079	1.39346	1.33543	3495.5
2955.419	0.747784	1.378931	1.305855	4167
2956.196	0.755085	1.36474	1.294001	4509
2956.972	0.759159	1.368185	1.301339	4357.5
2957.749	0.760725	1.384815	1.320382	3915
2958.525	0.759553	1.401719	1.338454	3496.5
2959.302	0.758162	1.432587	1.362012	3041.5
2960.076	0.758907	1.46902	1.374724	2751
2960.849	0.752365	1.473958	1.349935	3076
2961.623	0.763109	1.473433	1.334998	3250.5
2962.396	0.772542	1.471213	1.334555	3276.5
2963.169	0.769689	1.469319	1.341736	3210
2963.943	0.759942	1.470705	1.35539	2977.5
2964.716	0.750887	1.447466	1.341798	3235
2965.487	0.75542	1.428991	1.32558	3485
2966.258	0.74546	1.439541	1.341506	3123
2967.029	0.71679	1.45207	1.37601	2609.5
2967.8	0.703765	1.454654	1.398547	2313
2968.571	0.725429	1.469177	1.399326	2215
2969.342	0.746736	1.467351	1.383619	2416
2970.115	0.75194	1.443549	1.362363	2789.5
2970.891	0.756527	1.440019	1.370243	2700
2971.666	0.738136	1.447169	1.385912	2420
2972.441	0.721421	1.437293	1.367437	2551.5
2973.217	0.746058	1.449238	1.385544	2323
2973.992	0.743931	1.474555	1.413812	2016
2974.768	0.725049	1.480563	1.410155	2068.5
2975.552	0.741745	1.480454	1.40396	2143.5
2976.338	0.744845	1.464315	1.375981	2477.5
2977.125	0.745915	1.44654	1.352086	2749
2977.911	0.758275	1.447017	1.347216	2790.5
2978.698	0.738324	1.461631	1.358835	2575
2979.484	0.72741	1.460754	1.355783	2584
2980.272	0.72127	1.435563	1.327726	3026
2981.067	0.732813	1.430148	1.326071	2994.5
2981.863	0.751261	1.439017	1.345164	2744.5
2982.658	0.743359	1.4293	1.342478	2854

2983.453	0.743374	1.432004	1.334833	2964
2984.249	0.743044	1.427904	1.323938	3240
2985.044	0.747494	1.418113	1.312704	3572
2985.837	0.754542	1.397597	1.289069	4243.5
2986.628	0.749307	1.365047	1.265956	4807.5
2987.419	0.738544	1.340919	1.24996	5416
2988.211	0.734142	1.311368	1.214888	6965
2989.002	0.736049	1.331331	1.229217	6449
2989.793	0.731582	1.36593	1.265456	4926.5
2990.584	0.728554	1.342965	1.250806	5545
2991.361	0.734273	1.321286	1.241649	5824.5
2992.134	0.74337	1.349605	1.284148	4500.5
2992.907	0.749157	1.366499	1.309233	3809
2993.681	0.743967	1.388866	1.311336	3704
2994.454	0.740697	1.429026	1.32765	3289.5
2995.227	0.742538	1.378576	1.308486	3851
2995.998	0.746237	1.330345	1.29761	4192
2996.751	0.712479	1.356137	1.338812	3367
2997.504	0.672409	1.393378	1.373589	2739.5
2998.257	0.68713	1.424343	1.40499	2325.5
2999.011	0.694143	1.429698	1.449823	1875.5
2999.764	0.707514	1.422939	1.409519	2421
3000.517	0.736824	1.426901	1.347323	3142.5
3001.265	0.720502	1.430006	1.362228	2920
3002.009	0.706899	1.414942	1.398076	2458.5
3002.752	0.726932	1.39301	1.380213	2773.5
3003.496	0.745268	1.379691	1.323239	3705
3004.239	0.746935	1.398127	1.319218	3756.5
3004.983	0.753566	1.428532	1.348466	3128
3005.726	0.747181	1.424883	1.344002	3187
3006.471	0.751744	1.41998	1.318279	3669
3007.216	0.754537	1.402134	1.294358	4251
3007.961	0.74985	1.357917	1.269615	5037
3008.706	0.770956	1.372867	1.286655	4637
3009.45	0.773764	1.402374	1.299556	4101
3010.195	0.771061	1.391768	1.27549	4699.5
3010.941	0.767991	1.374722	1.268329	4973
3011.693	0.761318	1.361611	1.288405	4506
3012.445	0.758127	1.356243	1.292972	4466
3013.197	0.759801	1.355159	1.283013	4737.5
3013.949	0.75951	1.347654	1.286857	4657.5
3014.701	0.752557	1.369402	1.305694	4137.5
3015.453	0.761908	1.405431	1.310877	3862.5
3016.208	0.755958	1.377443	1.274437	4926

3016.966	0.751663	1.364769	1.267287	5133
3017.724	0.752722	1.385912	1.288978	4368
3018.482	0.749407	1.400382	1.317549	3758.5
3019.239	0.76089	1.401629	1.384892	2708.5
3019.997	0.763618	1.392488	1.415159	2284.5
3020.755	0.763627	1.391838	1.381387	2709.5
3021.516	0.765166	1.384236	1.326305	3664.5
3022.279	0.75856	1.390394	1.291931	4370
3023.041	0.736348	1.409529	1.289142	4392
3023.803	0.726531	1.399345	1.277036	4694.5
3024.565	0.748443	1.375087	1.284738	4635.5
3025.327	0.76231	1.367928	1.290511	4454.5
3026.09	0.756245	1.35884	1.273842	4861
3026.854	0.744222	1.363335	1.270139	4955.5
3027.619	0.744345	1.35484	1.245659	5781.5
3028.384	0.75364	1.321033	1.22295	6808.5
3029.149	0.753732	1.321888	1.221342	6842
3029.914	0.768561	1.35807	1.236748	6096
3030.678	0.779985	1.38879	1.259298	5190
3031.444	0.769624	1.379012	1.248831	5517
3032.209	0.774894	1.35632	1.234806	6089
3032.975	0.789012	1.34263	1.211473	7237.5
3033.741	0.773625	1.34942	1.212878	7180.5
3034.507	0.751945	1.379094	1.23824	5830
3035.272	0.754893	1.377641	1.228503	6168
3036.038	0.755251	1.342377	1.210232	7319
3036.804	0.740773	1.338008	1.217748	7052.5
3037.569	0.745767	1.365795	1.236585	6012.5
3038.334	0.761666	1.370772	1.235579	6080
3039.099	0.770069	1.374364	1.247353	5713
3039.864	0.759979	1.374815	1.248399	5641.5
3040.63	0.749138	1.363577	1.233201	6156.5
3041.395	0.752743	1.360541	1.235468	6134.5
3042.163	0.755716	1.355968	1.228168	6409.5
3042.93	0.762943	1.334647	1.21464	7059
3043.697	0.770549	1.332221	1.234277	6436
3044.465	0.781679	1.358812	1.27788	4939
3045.232	0.771574	1.364913	1.316641	4023
3045.999	0.755059	1.352826	1.339897	3524
3046.772	0.755509	1.351788	1.318379	3925.5
3047.55	0.759573	1.363575	1.288747	4558
3048.327	0.743121	1.331613	1.256233	5796
3049.105	0.733773	1.304516	1.247595	6113.5
3049.882	0.751429	1.316266	1.264314	5433.5

3050.66	0.753471	1.320257	1.246803	6056.5
3051.437	0.75817	1.324775	1.227789	6687
3052.231	0.768467	1.317338	1.231808	6556.5
3053.027	0.76571	1.324475	1.244382	6062.5
3053.822	0.765325	1.332637	1.242157	6090
3054.618	0.760933	1.304633	1.221106	7112.5
3055.413	0.75464	1.27949	1.204516	7951
3056.209	0.755594	1.288972	1.22112	7232.5
3057.01	0.755405	1.288027	1.234062	6646
3057.826	0.758835	1.255912	1.230643	6829.5
3058.643	0.759986	1.242092	1.238462	6596.5
3059.459	0.752136	1.252766	1.258663	5937.5
3060.275	0.745004	1.27374	1.278407	5315.5
3061.092	0.745862	1.272175	1.267741	5630.5
3061.908	0.744612	1.227332	1.23662	6818
3062.734	0.742678	1.179972	1.219121	7780.5
3063.567	0.749048	1.159702	1.223626	7622.5
3064.4	0.75434	1.15609	1.231848	7090.5
3065.232	0.754365	1.153123	1.235971	6769.5
3066.065	0.755186	1.164041	1.252464	6203.5
3066.898	0.751865	1.17314	1.240883	6931.5
3067.731	0.751656	1.182423	1.205051	8690.5
3068.574	0.760293	1.181863	1.183527	10074
3069.419	0.767401	1.165939	1.178235	10426
3070.263	0.766606	1.16466	1.184418	9895.5
3071.108	0.769532	1.175485	1.189576	9500.5
3071.952	0.768338	1.171529	1.185644	9904.5
3072.796	0.75548	1.147645	1.182307	10323
3073.643	0.745256	1.142891	1.189032	9779
3074.497	0.745232	1.146189	1.191302	9436.5
3075.351	0.752402	1.143859	1.184982	9834.5
3076.204	0.759007	1.14811	1.190037	9582
3077.058	0.758102	1.164189	1.19702	9283.5
3077.912	0.746261	1.189972	1.196522	9227.5
3078.766	0.738159	1.215685	1.205849	8427
3079.626	0.737548	1.217794	1.212935	7966.5
3080.49	0.743807	1.204427	1.212286	8033
3081.354	0.748245	1.193117	1.204645	8555.5
3082.218	0.752686	1.178165	1.197606	9015
3083.081	0.750585	1.180061	1.19603	9076
3083.945	0.738388	1.19899	1.196675	9033.5
3084.809	0.731158	1.209727	1.20224	8613
3085.684	0.733358	1.197219	1.208213	8297
3086.559	0.739773	1.201655	1.210313	8203.5

3087.434	0.742022	1.233645	1.209403	8090.5
3088.308	0.744094	1.251615	1.210915	7880.5
3089.183	0.754127	1.255109	1.215752	7548.5
3090.058	0.7641	1.250009	1.223237	7277.5
3090.934	0.757316	1.261096	1.233732	6892.5
3091.81	0.755162	1.288675	1.237443	6709
3092.687	0.760801	1.303584	1.237177	6630
3093.564	0.753187	1.316313	1.234023	6617.5
3094.441	0.753823	1.33233	1.226319	6805
3095.317	0.768106	1.344285	1.219431	7006
3096.194	0.770284	1.354876	1.221042	6827
3097.058	0.759548	1.338509	1.220416	6939.5
3097.915	0.75596	1.29484	1.204696	7965
3098.772	0.762445	1.268009	1.207991	7935.5
3099.628	0.765951	1.252681	1.216307	7679.5
3100.485	0.769557	1.264198	1.220523	7586.5
3101.342	0.772812	1.317797	1.226302	6927
3102.199	0.769666	1.34514	1.212444	7205.5
3103.015	0.762103	1.323563	1.193313	8252
3103.83	0.755989	1.296316	1.180337	9166.5
3104.645	0.755381	1.294246	1.18149	9128.5
3105.461	0.750492	1.315339	1.196364	8187
3106.276	0.748089	1.333257	1.211391	7296
3107.091	0.748344	1.313923	1.210678	7476.5
3107.899	0.755808	1.295107	1.205833	7898.5
3108.692	0.764447	1.296614	1.196296	8337.5
3109.486	0.758743	1.298482	1.185061	8667
3110.279	0.759012	1.296176	1.187663	8498.5
3111.072	0.762934	1.267452	1.187119	8969.5
3111.865	0.756417	1.261865	1.202795	8452.5
3112.659	0.762212	1.283432	1.217602	7589
3113.486	0.765954	1.287116	1.199908	8494
3114.33	0.759204	1.269472	1.187777	9273.5
3115.174	0.762348	1.252942	1.184558	9576.5
3116.018	0.767942	1.245986	1.174101	10224
3116.861	0.760436	1.251372	1.169323	10503.5
3117.705	0.756894	1.27614	1.17415	9941
3118.552	0.753355	1.290881	1.171707	9676.5
3119.52	0.75023	1.286529	1.169144	9863.5
3120.489	0.758794	1.267606	1.172107	10002
3121.458	0.7525	1.252288	1.175045	9979
3122.427	0.744469	1.258708	1.184238	9205
3123.396	0.748455	1.275136	1.194019	8434
3124.365	0.743147	1.266834	1.191632	8692

3125.384	0.726458	1.248375	1.198424	8350.5
3126.491	0.723419	1.239495	1.201855	8258
3127.599	0.723962	1.224552	1.176829	9939.5
3128.706	0.726953	1.223044	1.161121	10793
3129.813	0.731301	1.223582	1.156268	11138.5
3130.921	0.733605	1.219479	1.152802	11541.5
3132.028	0.733714	1.218572	1.156045	11364.5
3133.186	0.72861	1.203256	1.153649	11598.5
3134.365	0.728638	1.187166	1.150259	11900
3135.543	0.733332	1.17819	1.143842	12612.5
3136.722	0.738134	1.176134	1.142515	12865.5
3137.901	0.739398	1.17878	1.150135	12196
3139.079	0.744491	1.177667	1.14607	12415
3140.258	0.749744	1.173449	1.137052	13373
3141.437	0.743148	1.171154	1.1367	13608
3142.615	0.736664	1.180717	1.139498	13205.5
3143.793	0.731656	1.176079	1.136001	13605.5
3144.972	0.730336	1.169431	1.1382	13533.5
3146.15	0.735964	1.163764	1.138233	13484
3147.329	0.736083	1.154194	1.136846	13489.5
3148.494	0.734495	1.151134	1.140341	13155.5
3149.637	0.739898	1.155447	1.143697	12918.5
3150.781	0.744816	1.14706	1.143352	13043
3151.924	0.746637	1.128153	1.139684	13631.5
3153.068	0.745663	1.133394	1.139207	13639.5
3154.211	0.741675	1.144984	1.139664	13391.5
3155.355	0.741493	1.150834	1.14231	13037.5
3156.483	0.743477	1.15161	1.143	13037
3157.607	0.742907	1.137698	1.136574	13929
3158.73	0.746354	1.120385	1.135229	14237
3159.853	0.743346	1.111037	1.135247	14486
3160.976	0.734923	1.110004	1.138061	14118.5
3162.099	0.743179	1.10981	1.140101	13654
3163.222	0.750106	1.120398	1.134415	14156.5
3164.343	0.751308	1.123627	1.137754	13704.5
3165.464	0.750824	1.110982	1.143947	13218
3166.584	0.74854	1.111869	1.14484	13182
3167.705	0.751759	1.11993	1.143676	13257.5
3168.826	0.755194	1.124387	1.146784	13032
3169.946	0.756765	1.119875	1.14771	12934
3171.07	0.747381	1.1169	1.139394	13733
3172.197	0.740779	1.124872	1.137871	13819
3173.324	0.7447	1.137351	1.143239	13161
3174.452	0.748206	1.134951	1.137764	13811.5

3175.579	0.75195	1.135951	1.13462	14159.5
3176.707	0.752306	1.135437	1.129381	14766
3177.834	0.756849	1.130321	1.129377	14798.5
3178.965	0.759085	1.130464	1.135867	14035.5
3180.098	0.755021	1.134075	1.135824	14092
3181.23	0.758205	1.134533	1.136088	13987.5
3182.363	0.758966	1.131809	1.134371	14133
3183.495	0.754211	1.138354	1.13293	14299.5
3184.628	0.754899	1.147279	1.132472	14244
3185.761	0.762328	1.146955	1.13677	13929
3186.896	0.756558	1.14204	1.144771	13321.5
3188.031	0.744819	1.155604	1.146834	13143.5
3189.166	0.743923	1.169177	1.143137	13406.5
3190.301	0.746734	1.157883	1.138288	13745.5
3191.436	0.754653	1.142637	1.129958	14771
3192.571	0.756124	1.129454	1.126337	15137.5
3193.707	0.746613	1.119981	1.131644	14423.5
3194.842	0.747759	1.121868	1.117822	16070
3195.978	0.771653	1.133304	1.100645	18008
3197.114	0.765153	1.132278	1.109438	17421
3198.249	0.748359	1.119468	1.122747	16129.5
3199.385	0.750259	1.120305	1.119176	16406.5
3200.521	0.741877	1.136141	1.123788	15674.5
3201.656	0.736263	1.140249	1.139075	13701
3202.791	0.743459	1.125444	1.133138	14452.5
3203.926	0.751712	1.122132	1.121087	15823.5
3205.061	0.757767	1.119685	1.114301	16546.5
3206.196	0.753695	1.119776	1.110609	17141.5
3207.331	0.751203	1.117608	1.113561	16970.5
3208.466	0.759347	1.1186	1.118905	16204
3209.599	0.75422	1.131643	1.119129	15960
3210.732	0.748123	1.143486	1.113055	16626.5
3211.865	0.754315	1.139629	1.114115	16388
3212.998	0.767405	1.120195	1.11374	16572.5
3214.131	0.770176	1.112372	1.111386	17274.5
3215.264	0.762788	1.118897	1.116609	16435.5
3216.396	0.764956	1.116694	1.11554	16335
3217.527	0.770893	1.112669	1.112345	16784.5
3218.658	0.773676	1.113178	1.110095	16997
3219.789	0.773071	1.107775	1.112525	16806
3220.92	0.77333	1.114003	1.117288	16295
3222.051	0.778075	1.124704	1.116673	16188.5
3223.181	0.775929	1.117838	1.114452	16674.5
3224.311	0.771501	1.107902	1.114732	16990.5

3225.44	0.76906	1.11137	1.112407	16870
3226.569	0.773667	1.11745	1.113055	16677.5
3227.699	0.770517	1.114602	1.120468	16143.5
3228.828	0.770162	1.107675	1.118779	16300.5
3229.957	0.78064	1.101265	1.110684	17239.5
3231.086	0.770579	1.093848	1.110068	17549.5
3232.215	0.760402	1.103576	1.122223	16191
3233.343	0.761279	1.107814	1.130595	15122.5
3234.471	0.757825	1.099021	1.127245	15312.5
3235.6	0.758183	1.108422	1.130868	14562.5
3236.728	0.760183	1.108584	1.12742	14980
3237.856	0.760186	1.102953	1.120093	16019.5
3238.985	0.760935	1.11929	1.122048	15618
3240.114	0.76542	1.122957	1.118595	15962.5
3241.242	0.76231	1.107613	1.114232	16675
3242.371	0.761847	1.107705	1.111355	17128
3243.499	0.769697	1.120921	1.110023	17317
3244.628	0.769714	1.120602	1.114794	16735.5
3245.757	0.763369	1.118179	1.123785	15706
3246.887	0.762361	1.110433	1.121511	15993
3248.017	0.771446	1.101832	1.116612	16575.5
3249.147	0.768839	1.102397	1.117348	16601.5
3250.278	0.763195	1.101289	1.111982	17297
3251.408	0.766823	1.109882	1.110098	17197.5
3252.538	0.768891	1.110853	1.115081	16556.5
3253.669	0.774525	1.100222	1.120771	16237
3254.802	0.784904	1.105877	1.123283	15845.5
3255.936	0.785053	1.108449	1.122788	15924
3257.069	0.778784	1.100543	1.125232	15779.5
3258.203	0.776142	1.099208	1.126137	15505
3259.336	0.780184	1.092693	1.121185	16185
3260.47	0.778425	1.092681	1.114975	16851.5
3261.604	0.772763	1.100705	1.11669	16606.5
3262.739	0.775676	1.105366	1.124831	15773
3263.873	0.773585	1.104663	1.13516	14564
3265.008	0.769023	1.113845	1.142237	13711.5
3266.143	0.772076	1.108625	1.13419	14433.5
3267.278	0.772975	1.088466	1.125995	15346
3268.412	0.768682	1.087107	1.134856	14552.5
3269.543	0.757874	1.079924	1.151127	13002.5
3270.672	0.750246	1.075312	1.156134	12563.5
3271.802	0.760916	1.081144	1.159423	12140
3272.931	0.766713	1.068885	1.160052	11866.5
3274.061	0.771982	1.059457	1.151993	12553

3275.19	0.776854	1.076188	1.148723	12961.5
3276.318	0.771376	1.072757	1.151264	12888
3277.435	0.767869	1.081221	1.162683	11791
3278.553	0.75604	1.091233	1.176994	10406
3279.671	0.750704	1.087537	1.171158	10921
3280.789	0.764152	1.085334	1.161931	11809.5
3281.906	0.768665	1.065415	1.163363	11719.5
3283.024	0.769932	1.057386	1.165724	11467.5
3284.136	0.778064	1.058234	1.158352	12058.5
3285.243	0.779044	1.068304	1.14964	12844.5
3286.349	0.771412	1.075695	1.154503	12463
3287.456	0.760196	1.069539	1.152915	12686.5
3288.563	0.759436	1.060985	1.148862	13162.5
3289.67	0.767862	1.079028	1.155669	12500
3290.777	0.76918	1.081678	1.159617	12058
3291.884	0.765775	1.071731	1.159487	11946.5
3292.992	0.766193	1.080471	1.154917	12336.5
3294.099	0.770349	1.081523	1.154207	12361.5
3295.207	0.769846	1.073622	1.164556	11522.5
3296.314	0.767792	1.062027	1.168478	11419
3297.422	0.773054	1.065411	1.164363	11788.5
3298.533	0.775591	1.0673	1.160309	12149
3299.653	0.772148	1.063437	1.157768	12356.5
3300.774	0.765426	1.069932	1.155833	12064.5
3301.894	0.765588	1.068476	1.155156	12118.5
3303.015	0.775345	1.072094	1.152434	12596.5
3304.135	0.777616	1.091589	1.145525	13108
3305.256	0.776535	1.088611	1.146237	13002.5
3306.386	0.783426	1.082524	1.154242	12369
3307.523	0.779772	1.078794	1.153056	12768
3308.66	0.765303	1.065528	1.151444	13020
3309.797	0.758253	1.072212	1.158446	12184.5
3310.934	0.758518	1.073542	1.154738	12477.5
3312.071	0.762259	1.060605	1.145928	13388
3313.208	0.76918	1.061973	1.149265	13181
3314.353	0.776823	1.074027	1.156584	12415
3315.498	0.775053	1.070418	1.166753	11361
3316.643	0.77001	1.066035	1.170573	11098
3317.788	0.768716	1.074706	1.164055	11729
3318.933	0.771137	1.082778	1.160933	12076.5
3320.078	0.772813	1.102137	1.155472	12426
3321.222	0.772567	1.100009	1.149213	12936.5
3322.365	0.773817	1.078135	1.152368	12885
3323.508	0.773825	1.078162	1.156509	12502.5

3324.652	0.777454	1.079966	1.154289	12487
3325.795	0.784904	1.080913	1.148143	13069
3326.938	0.783741	1.087407	1.147777	13146.5
3328.081	0.780049	1.087731	1.145911	13274
3329.22	0.787266	1.083757	1.141314	13714.5
3330.355	0.790307	1.075193	1.138871	14271.5
3331.491	0.786946	1.074211	1.139073	14365
3332.626	0.787147	1.073909	1.141079	14064.5
3333.761	0.782278	1.068355	1.14683	13600.5
3334.897	0.777429	1.072516	1.156774	12550.5
3336.032	0.775903	1.072006	1.162961	11939.5
3337.16	0.77763	1.07163	1.16997	11389.5
3338.287	0.777506	1.074355	1.171102	11241.5
3339.414	0.774935	1.065708	1.171974	11138
3340.541	0.768977	1.077522	1.184119	10197.5
3341.668	0.762588	1.093515	1.201411	8947
3342.795	0.763058	1.076278	1.205984	8592.5
3343.92	0.767287	1.062697	1.191804	9520
3345.038	0.771412	1.082451	1.186777	9884.5
3346.157	0.770993	1.085119	1.187661	9828
3347.275	0.771707	1.060054	1.178417	10611.5
3348.393	0.769862	1.05231	1.180795	10431
3349.512	0.753677	1.053832	1.193231	9446
3350.63	0.752197	1.064233	1.197525	9210.5
3351.744	0.76413	1.067657	1.193961	9401
3352.856	0.766417	1.059943	1.175631	10755
3353.967	0.769465	1.061491	1.162931	11753
3355.078	0.770847	1.06938	1.164608	11516.5
3356.19	0.768661	1.084873	1.153329	12398.5
3357.301	0.770167	1.0745	1.157714	12119.5
3358.412	0.773587	1.049188	1.178023	10589
3359.52	0.770628	1.041989	1.177006	10756
3360.628	0.775596	1.044052	1.170998	11200.5
3361.736	0.774192	1.04676	1.183391	10234
3362.844	0.772339	1.040387	1.18155	10350
3363.952	0.768349	1.0343	1.176785	10691.5
3365.06	0.766157	1.057161	1.191552	9607.5
3366.168	0.773654	1.075563	1.204704	8617
3367.277	0.761903	1.057202	1.206317	8448
3368.385	0.75966	1.053866	1.19552	9170
3369.493	0.773583	1.05525	1.183003	10005.5
3370.602	0.782584	1.050565	1.170831	11035
3371.71	0.789382	1.055153	1.169551	11242.5
3372.819	0.790249	1.054536	1.174498	10864

3373.929	0.779712	1.045993	1.173742	10906
3375.039	0.774474	1.048881	1.179146	10403
3376.15	0.777824	1.048548	1.176729	10688.5
3377.26	0.77669	1.055152	1.172986	11017.5
3378.371	0.777988	1.068017	1.183202	10158
3379.481	0.784194	1.046999	1.181007	10380.5
3380.591	0.781177	1.030266	1.174794	10956.5
3381.702	0.770843	1.05117	1.177309	10709
3382.813	0.768942	1.06204	1.181411	10155
3383.923	0.776463	1.052673	1.184664	10015.5
3385.034	0.777615	1.037256	1.180847	10568.5
3386.144	0.772528	1.03133	1.182012	10536
3387.255	0.770645	1.077099	1.191618	9465.5
3388.364	0.776966	1.096904	1.182725	9968.5
3389.473	0.789282	1.067796	1.173796	10995
3390.581	0.792157	1.043886	1.176274	10770.5
3391.689	0.788659	1.040197	1.178199	10437
3392.798	0.780381	1.041402	1.183342	10211.5
3393.906	0.770294	1.02931	1.18507	10257.5
3395.014	0.77541	1.040886	1.182212	10341.5
3396.121	0.784625	1.058823	1.173309	10917
3397.228	0.785351	1.043564	1.168054	11504.5
3398.335	0.779697	1.037923	1.178505	10768
3399.442	0.776471	1.047645	1.185123	10151
3400.548	0.771692	1.047601	1.180692	10560
3401.655	0.772138	1.042781	1.182858	10379
3402.762	0.786167	1.03303	1.175698	10706.5
3403.872	0.790774	1.029881	1.163782	11662.5
3404.982	0.784027	1.025407	1.162302	12105
3406.092	0.780722	1.024649	1.166364	11737
3407.202	0.782972	1.023174	1.16889	11400.5
3408.312	0.781444	1.025339	1.170135	11379.5
3409.422	0.78076	1.043924	1.186175	10189.5
3410.535	0.780244	1.06275	1.203726	8910
3411.653	0.769584	1.061779	1.207886	8601.5
3412.771	0.761108	1.05037	1.201513	9037.5
3413.89	0.766442	1.046588	1.192613	9539
3415.008	0.776524	1.040085	1.182427	10251
3416.127	0.781714	1.035273	1.173181	11020.5
3417.245	0.785761	1.033744	1.163308	11805.5
3418.37	0.786912	1.040753	1.164945	11738.5
3419.498	0.782531	1.040074	1.168707	11378
3420.626	0.786683	1.030379	1.162873	11974.5
3421.754	0.792168	1.038392	1.159205	12494.5

3422.882	0.785477	1.045968	1.164313	12019.5
3424.01	0.782492	1.039293	1.173168	11248
3425.138	0.780895	1.040969	1.179033	10935.5
3426.271	0.779307	1.046291	1.184997	10474
3427.404	0.784829	1.038523	1.186012	10239
3428.537	0.784747	1.050457	1.184869	10234.5
3429.67	0.779266	1.069296	1.178755	10821.5
3430.802	0.769605	1.079412	1.190236	10153.5
3431.935	0.768232	1.078167	1.211529	8526.5
3433.068	0.765058	1.06269	1.211302	8469
3434.2	0.765918	1.055154	1.202078	8891
3435.333	0.777231	1.073482	1.194947	9361
3436.465	0.784022	1.086767	1.186387	10093.5
3437.598	0.787187	1.065285	1.17248	11192
3438.73	0.781873	1.055817	1.167049	11640
3439.862	0.781928	1.060221	1.171758	11222
3440.992	0.774599	1.044708	1.172179	11324
3442.12	0.768183	1.035547	1.184609	10506.5
3443.249	0.768933	1.047299	1.198234	9189.5
3444.377	0.763137	1.077684	1.197328	9086
3445.506	0.767622	1.088435	1.198706	9253
3446.634	0.773735	1.063988	1.203886	8991
3447.762	0.776564	1.051654	1.202553	8939.5
3448.886	0.781885	1.035341	1.192804	9672.5
3450.009	0.787773	1.030974	1.190928	9911.5
3451.133	0.786717	1.042328	1.190271	9909.5
3452.256	0.789634	1.038919	1.188971	9955.5
3453.38	0.795542	1.033908	1.189762	9904.5
3454.503	0.79488	1.04023	1.188613	10000.5
3455.624	0.791494	1.04323	1.192517	9641
3456.742	0.783689	1.04277	1.202703	8963.5
3457.86	0.770622	1.048127	1.212214	8498.5
3458.978	0.762736	1.046235	1.230513	7489.5
3460.096	0.761316	1.046885	1.257839	6146.5
3461.213	0.75482	1.053454	1.263097	5911.5
3462.331	0.764071	1.066609	1.252412	6359.5
3463.446	0.78037	1.086046	1.248497	6531.5
3464.559	0.780407	1.067867	1.249002	6483
3465.673	0.778643	1.036317	1.269726	5717
3466.786	0.780632	1.039808	1.299503	4625.5
3467.9	0.782574	1.056849	1.311492	4281
3469.013	0.787822	1.07262	1.308449	4412.5
3470.127	0.795168	1.073312	1.30174	4581.5
3471.241	0.805748	1.071684	1.310382	4347

3472.355	0.805856	1.061959	1.303461	4634
3473.469	0.793674	1.041617	1.276338	5538
3474.583	0.791508	1.034637	1.27065	5724
3475.697	0.787682	1.034495	1.276468	5434.5
3476.811	0.786001	1.05024	1.298437	4739.5
3477.928	0.806296	1.084733	1.332748	3838.5
3479.047	0.816885	1.087115	1.330612	3910.5
3480.167	0.81696	1.088198	1.328214	3960.5
3481.286	0.811948	1.137376	1.347985	3468
3482.406	0.802522	1.143501	1.336913	3744.5
3483.526	0.801626	1.131591	1.327842	3972
3484.645	0.810472	1.134646	1.349119	3479
3485.77	0.80388	1.123686	1.343773	3590.5
3486.896	0.797163	1.11168	1.317392	4171
3488.022	0.808809	1.078835	1.290754	4950
3489.148	0.811232	1.081505	1.271647	5549
3490.274	0.802663	1.083671	1.236809	6997
3491.4	0.797984	1.073848	1.195173	9144.5
3492.526	0.797847	1.094652	1.197096	9247.5
3493.652	0.800073	1.101626	1.224318	7714.5
3494.779	0.794565	1.101732	1.253771	6284.5
3495.906	0.787163	1.127367	1.27499	5486
3497.032	0.791307	1.148614	1.29927	4733
3498.159	0.787687	1.12517	1.299417	4710
3499.286	0.795793	1.094389	1.271519	5656.5
3500.409	0.809937	1.085444	1.26005	6079.5
3501.531	0.812129	1.089426	1.251931	6379.5
3502.652	0.801778	1.080585	1.228305	7538
3503.773	0.785615	1.082402	1.206038	8780
3504.894	0.786999	1.093331	1.203937	8852
3506.015	0.797237	1.098898	1.215333	8181.5
3507.136	0.794602	1.095465	1.218093	8111
3508.251	0.788757	1.075872	1.209015	8680
3509.365	0.787774	1.100552	1.215491	8180.5
3510.479	0.803411	1.116828	1.245033	6648
3511.593	0.810744	1.071628	1.248533	6584.5
3512.707	0.804051	1.049649	1.21805	8173
3513.821	0.79933	1.05542	1.171432	11364.5
3514.935	0.789936	1.055303	1.134812	14551
3516.048	0.781047	1.052268	1.125004	15888
3517.161	0.768963	1.062778	1.122653	16210
3518.274	0.767797	1.075579	1.126316	15714.5
3519.388	0.766973	1.058771	1.12332	16087
3520.501	0.763682	1.045287	1.114394	16947.5

3521.614	0.768272	1.047989	1.111689	17209
3522.73	0.768363	1.048631	1.107398	17914.5
3523.849	0.771385	1.045764	1.10421	18490.5
3524.968	0.776363	1.045312	1.109222	17972
3526.087	0.780852	1.047397	1.115913	16947
3527.207	0.786352	1.045694	1.120126	15562.5
3528.326	0.789551	1.051248	1.127942	14397.5
3529.445	0.785783	1.071864	1.143317	13565
3530.567	0.787438	1.092942	1.166613	11757
3531.69	0.796689	1.104598	1.198914	9356
3532.812	0.781026	1.107998	1.223172	7735.5
3533.935	0.752538	1.11706	1.226995	7562.5
3535.058	0.743947	1.118645	1.218308	8055
3536.181	0.748429	1.130923	1.219059	7901
3537.301	0.76122	1.14801	1.231195	7198.5
3538.411	0.763227	1.140219	1.228667	7215
3539.521	0.737571	1.144509	1.215882	7883.5
3540.63	0.724832	1.148686	1.217355	7903
3541.74	0.72573	1.136149	1.217932	7912
3542.85	0.727572	1.14106	1.20848	8355.5
3543.96	0.739035	1.145702	1.207424	8285.5
3545.054	0.747631	1.136389	1.206504	8429
3546.133	0.74368	1.123197	1.19888	9080.5
3547.213	0.746085	1.114559	1.20062	8915.5
3548.292	0.758067	1.120995	1.202007	8772
3549.372	0.756906	1.1287	1.193589	9419.5
3550.451	0.758683	1.132702	1.193122	9417
3551.531	0.761988	1.126522	1.190702	9495.5
3552.584	0.759104	1.120958	1.182115	9753
3553.633	0.763149	1.113192	1.166164	11150.5
3554.682	0.775009	1.101641	1.15383	12663.5
3555.732	0.781689	1.096366	1.15153	12841.5
3556.781	0.782676	1.096465	1.154131	12629.5
3557.83	0.778652	1.09051	1.153743	12852
3558.879	0.773815	1.097005	1.151825	12984.5
3559.926	0.775514	1.104599	1.155971	12480
3560.974	0.778552	1.097679	1.154793	12574.5
3562.021	0.78134	1.102915	1.151045	12728.5
3563.068	0.775526	1.101431	1.148211	12794.5
3564.116	0.774232	1.090709	1.147494	12918.5
3565.163	0.782005	1.102146	1.161547	11813.5
3566.227	0.78703	1.111272	1.171779	10963
3567.303	0.778627	1.122543	1.172631	10846
3568.38	0.767506	1.141801	1.17839	10309.5

3569.456	0.767706	1.145245	1.177864	10290
3570.532	0.766799	1.15223	1.177431	10281.5
3571.609	0.772724	1.157241	1.182148	10047.5
3572.685	0.76891	1.152792	1.188535	9852.5
3573.799	0.76294	1.164	1.197904	9224
3574.917	0.773946	1.171399	1.202108	8694.5
3576.034	0.777017	1.163807	1.195706	8857.5
3577.152	0.782854	1.1504	1.18437	9550.5
3578.27	0.787906	1.132146	1.170524	10902
3579.388	0.785195	1.126274	1.161345	11864.5
3580.512	0.78656	1.131838	1.165922	11549.5
3581.654	0.785481	1.128753	1.169048	11354
3582.796	0.78259	1.123175	1.165862	11586.5
3583.938	0.788558	1.12842	1.163019	11745
3585.08	0.790379	1.131514	1.160502	11928.5
3586.222	0.782572	1.131423	1.155829	12181.5
3587.364	0.783469	1.124509	1.149686	12603
3588.509	0.787609	1.122583	1.150851	12763
3589.656	0.782718	1.129888	1.146097	13273
3590.802	0.778041	1.127135	1.14392	13351.5
3591.949	0.782049	1.121429	1.148026	13007.5
3593.096	0.782699	1.114751	1.14305	13489.5
3594.242	0.776939	1.105669	1.142193	13571.5
3595.389	0.773345	1.094479	1.13394	14543
3596.53	0.76926	1.085877	1.122693	15750
3597.67	0.771343	1.090459	1.125927	15333
3598.811	0.778808	1.091793	1.12264	15657
3599.951	0.782644	1.082007	1.116604	16460
3601.092	0.78725	1.076517	1.122554	15844
3602.232	0.792089	1.082203	1.129713	15103.5
3603.372	0.791018	1.080634	1.127416	15622.5
3604.51	0.791476	1.07987	1.128322	15448.5
3605.648	0.793676	1.089384	1.133294	14670.5
3606.786	0.792144	1.093447	1.132453	14875
3607.924	0.78654	1.094889	1.128274	15321
3609.062	0.782052	1.092266	1.129005	15187.5
3610.201	0.785338	1.084971	1.133002	14905
3611.34	0.7884	1.090181	1.139667	14330.5
3612.481	0.789516	1.099984	1.143191	13802.5
3613.622	0.790725	1.102717	1.148629	12945.5
3614.763	0.788814	1.101711	1.157999	12076
3615.904	0.779915	1.091128	1.153308	12675.5
3617.045	0.768211	1.090903	1.155392	12662
3618.186	0.765597	1.116299	1.17072	11364

3619.331	0.763549	1.132028	1.180003	10394.5
3620.476	0.758792	1.116385	1.170791	10988.5
3621.622	0.76322	1.10649	1.164444	11452
3622.767	0.776594	1.118468	1.17414	10689.5
3623.913	0.778889	1.132498	1.187455	9778
3625.058	0.769794	1.137678	1.198819	8926.5
3626.204	0.76591	1.137287	1.198415	8804
3627.35	0.763999	1.135687	1.188878	9571.5
3628.497	0.767812	1.154441	1.187702	9800.5
3629.643	0.766245	1.160886	1.189946	9512
3630.789	0.767162	1.151561	1.187245	9548.5
3631.935	0.767739	1.166915	1.201859	8555.5
3633.082	0.747423	1.16966	1.228367	7048.5
3634.225	0.73916	1.163802	1.240621	6601
3635.368	0.752021	1.164793	1.234208	7097.5
3636.511	0.755248	1.167574	1.232921	7196.5
3637.653	0.742341	1.172928	1.251971	6320
3638.796	0.728789	1.183763	1.27774	5317
3639.939	0.728702	1.226808	1.293146	4697
3641.081	0.729505	1.251388	1.280601	5017.5
3642.219	0.73439	1.245807	1.256305	5842
3643.358	0.740544	1.23525	1.24469	6336
3644.496	0.731745	1.207526	1.239527	6658
3645.634	0.731562	1.18349	1.245179	6530.5
3646.772	0.735375	1.157622	1.250829	6310
3647.91	0.744475	1.140485	1.230807	7238
3649.049	0.756744	1.133418	1.20392	8523.5
3650.188	0.761733	1.142424	1.184818	9567
3651.327	0.76533	1.145731	1.177156	10243
3652.465	0.764658	1.144319	1.176137	10599
3653.604	0.758611	1.163002	1.176681	10505
3654.743	0.75743	1.16809	1.18917	9497.5
3655.882	0.76033	1.156175	1.199634	8808.5
3657.025	0.759035	1.139095	1.199387	8966.5
3658.171	0.752159	1.131718	1.209436	8530.5
3659.316	0.739971	1.124764	1.223172	7656
3660.461	0.73529	1.115028	1.214163	8040
3661.607	0.739509	1.122385	1.195548	9070
3662.752	0.750696	1.148603	1.192016	9226.5
3663.897	0.75747	1.166874	1.186162	9649.5
3665.051	0.758586	1.15478	1.173213	10539
3666.204	0.763975	1.133197	1.172436	10716
3667.358	0.76999	1.124467	1.174738	10704.5
3668.512	0.774659	1.119828	1.175658	10817

3669.665	0.773692	1.109461	1.172098	11181
3670.819	0.765648	1.099617	1.162404	11788
3671.974	0.76435	1.091255	1.161502	11793
3673.131	0.774056	1.080915	1.158329	12116
3674.288	0.781421	1.075414	1.14806	13069
3675.446	0.78225	1.078615	1.145934	13262.5
3676.603	0.781002	1.076931	1.144171	13374
3677.76	0.780935	1.073533	1.141181	13735
3678.917	0.786695	1.08807	1.143707	13470
3680.074	0.79282	1.118108	1.153102	12513
3681.23	0.793517	1.13921	1.159813	11876
3682.385	0.791216	1.14048	1.163666	11436.5
3683.541	0.796439	1.135233	1.171525	10709
3684.697	0.800098	1.140025	1.175301	10363
3685.853	0.79755	1.137275	1.17285	10614
3687.009	0.798087	1.12541	1.170092	10768.5
3688.16	0.802667	1.11227	1.169423	10811
3689.312	0.807459	1.112139	1.173969	10624.5
3690.464	0.805354	1.125201	1.174506	10513.5
3691.615	0.803616	1.131475	1.185115	9808.5
3692.767	0.800229	1.140107	1.205375	8576
3693.918	0.78958	1.15406	1.219407	7750
3695.069	0.794994	1.168121	1.236521	6821
3696.218	0.80583	1.175861	1.25239	6126
3697.366	0.79574	1.179985	1.257893	5946
3698.515	0.79178	1.185654	1.266794	5571
3699.664	0.789874	1.198284	1.276534	5211
3700.813	0.776128	1.216792	1.270938	5422.5
3701.961	0.766161	1.229541	1.261179	5742.5
3703.109	0.766274	1.219583	1.260283	5869
3704.257	0.765015	1.192806	1.258588	6066.5
3705.405	0.768468	1.18353	1.256946	6125
3706.552	0.772901	1.193045	1.265547	5762
3707.7	0.766435	1.181642	1.26355	5854
3708.848	0.765816	1.158182	1.246538	6455
3709.995	0.768316	1.15652	1.238247	6658
3711.143	0.773351	1.150627	1.216877	7775.5
3712.292	0.779194	1.14398	1.176208	10348.5
3713.44	0.786101	1.142646	1.157624	11753.5
3714.588	0.792868	1.134395	1.156203	11954.5
3715.736	0.794371	1.130753	1.156317	12092.5
3716.884	0.796499	1.136004	1.161815	11672.5
3718.033	0.798981	1.150632	1.171472	10717.5
3719.183	0.803158	1.162771	1.174771	10261.5

3720.334	0.806454	1.161068	1.171821	10590
3721.484	0.801542	1.155298	1.167294	11106
3722.634	0.798437	1.147509	1.163489	11409.5
3723.784	0.801957	1.138477	1.167491	11127.5
3724.935	0.807248	1.141944	1.18082	10246.5
3726.088	0.807299	1.145278	1.187669	9744
3727.241	0.797842	1.145406	1.186775	9619.5
3728.395	0.789995	1.147857	1.196779	8910
3729.549	0.780274	1.159777	1.207641	8266
3730.703	0.767809	1.176058	1.206545	8285.5
3731.857	0.767967	1.1815	1.203577	8290.5
3733.011	0.757112	1.157263	1.196653	8885
3734.168	0.755689	1.13762	1.184255	10062
3735.325	0.779447	1.135353	1.167357	11252.5
3736.481	0.787191	1.117142	1.157034	11884.5
3737.638	0.788761	1.101475	1.151951	12480.5
3738.795	0.787876	1.105632	1.131152	14539.5
3739.952	0.785125	1.110316	1.121126	15385.5
3741.108	0.786884	1.105246	1.138149	13930
3742.264	0.783598	1.106424	1.157642	12141
3743.42	0.77698	1.118312	1.166263	11078.5
3744.576	0.77765	1.134181	1.161738	11554.5
3745.731	0.777792	1.122743	1.13855	13946.5
3746.887	0.783339	1.092651	1.116009	16389.5
3748.043	0.790752	1.080302	1.105689	17603
3749.194	0.791005	1.092234	1.108815	17064
3750.344	0.793082	1.099169	1.126336	15104.5
3751.494	0.793115	1.084591	1.129526	15032.5
3752.644	0.787811	1.070759	1.113966	17057
3753.795	0.784752	1.066938	1.106876	17832
3754.945	0.787824	1.059923	1.10846	17431.5
3756.094	0.785696	1.052616	1.106053	17617.5
3757.237	0.788005	1.051576	1.104063	18137
3758.379	0.788658	1.05119	1.110219	17568
3759.522	0.78401	1.053051	1.115635	16567
3760.664	0.7869	1.046605	1.109547	17217.5
3761.807	0.785815	1.034629	1.098889	18837.5
3762.95	0.786907	1.045626	1.099036	18665
3764.09	0.791163	1.06378	1.109792	16846
3765.228	0.790304	1.072016	1.113413	16412
3766.366	0.791423	1.080476	1.111342	16931
3767.504	0.788099	1.081488	1.109662	17229
3768.642	0.783199	1.077552	1.107301	17586
3769.78	0.783132	1.072919	1.107179	17516

3770.918	0.7858	1.077966	1.105025	17567
3772.054	0.793121	1.105685	1.10558	17288.5
3773.191	0.798682	1.127105	1.111069	16272
3774.327	0.797128	1.134084	1.113172	15788.5
3775.464	0.793718	1.144435	1.114823	15644.5
3776.6	0.792475	1.149218	1.116931	15604.5
3777.737	0.794228	1.149377	1.121744	15129.5
3778.873	0.797881	1.145719	1.124573	14724.5
3780.011	0.793294	1.136796	1.122455	15114
3781.149	0.786306	1.136543	1.125372	14828
3782.287	0.789451	1.136546	1.127656	14568.5
3783.424	0.790208	1.118504	1.121426	15465.5
3784.562	0.794676	1.097717	1.117589	16072.5
3785.7	0.800087	1.095339	1.121242	15824.5
3786.839	0.795085	1.101101	1.11821	16063.5
3787.979	0.793852	1.115082	1.11283	16528
3789.12	0.795507	1.128719	1.113177	16391.5
3790.26	0.795834	1.125025	1.112659	16389.5
3791.4	0.796976	1.107667	1.107746	17299.5
3792.541	0.798566	1.095642	1.104831	17769
3793.681	0.800417	1.103247	1.111068	16787
3794.825	0.809063	1.11029	1.118941	15792
3795.97	0.810347	1.112769	1.123606	15336
3797.114	0.80336	1.115969	1.123816	15384
3798.259	0.797727	1.105427	1.117336	16239
3799.403	0.799701	1.105187	1.112162	16686
3800.548	0.808356	1.121023	1.112716	16236.5
3801.693	0.809937	1.127296	1.113997	16285.5
3802.842	0.803383	1.126423	1.111584	16767
3803.991	0.805926	1.128784	1.110257	16611.5
3805.14	0.812024	1.136873	1.110094	16625
3806.288	0.811625	1.157309	1.117952	15802.5
3807.437	0.812929	1.171703	1.127383	14472.5
3808.586	0.804745	1.171062	1.12855	14183.5
3809.736	0.797133	1.164058	1.126983	14454.5
3810.887	0.797388	1.146377	1.133321	14045
3812.038	0.802519	1.135128	1.149834	12530.5
3813.189	0.809671	1.143429	1.162015	11499.5
3814.341	0.81119	1.147874	1.167497	10970.5
3815.492	0.807957	1.149663	1.170482	10545
3816.643	0.805389	1.163003	1.178015	9983
3817.794	0.808006	1.1754	1.191575	9231
3818.945	0.805088	1.19249	1.216438	7956
3820.097	0.798731	1.22245	1.253578	6218.5

3821.248	0.790872	1.275212	1.29525	4656
3822.399	0.767515	1.351654	1.330078	3646
3823.551	0.738037	1.375628	1.322096	3786
3824.701	0.732881	1.348279	1.296987	4431.5
3825.85	0.748109	1.320188	1.291564	4687
3826.999	0.754449	1.308653	1.293972	4696
3828.149	0.749765	1.320906	1.286084	4877.5
3829.298	0.755752	1.328027	1.270511	5223.5
3830.447	0.76215	1.356033	1.28374	4780
3831.596	0.748398	1.387307	1.309611	4079.5
3832.742	0.752017	1.406943	1.342045	3425
3833.887	0.742256	1.414723	1.370896	2920
3835.031	0.722093	1.405587	1.366421	3000
3836.175	0.739503	1.431474	1.363857	2894.5
3837.32	0.762564	1.436565	1.348061	3143.5
3838.464	0.772436	1.420516	1.327725	3563.5
3839.608	0.762141	1.425815	1.333615	3443.5
3840.746	0.748109	1.397803	1.315294	3921
3841.883	0.74529	1.378234	1.298927	4356.5
3843.02	0.749264	1.385914	1.303849	4112
3844.157	0.745243	1.370421	1.2948	4253.5
3845.294	0.738502	1.372412	1.325257	3794.5
3846.431	0.744167	1.420731	1.37822	2813.5
3847.567	0.731978	1.417025	1.355217	3216.5
3848.696	0.728562	1.391452	1.309874	4019.5
3849.824	0.74346	1.380837	1.287729	4570.5
3850.953	0.755155	1.364557	1.266137	5158.5
3852.082	0.75699	1.37879	1.290815	4554.5
3853.211	0.74489	1.387059	1.345391	3364
3854.34	0.736281	1.404791	1.380744	2739.5
3855.465	0.728363	1.439678	1.409609	2312.5
3856.588	0.726091	1.446093	1.431616	2080
3857.711	0.717496	1.45148	1.441625	1962
3858.834	0.689515	1.468187	1.451623	1856
3859.957	0.703067	1.479305	1.434655	2050.5
3861.08	0.739888	1.473244	1.392019	2518
3862.202	0.73545	1.434952	1.358025	3069.5
3863.322	0.726748	1.412011	1.354663	3147
3864.441	0.744757	1.426985	1.389879	2518.5
3865.56	0.747429	1.421614	1.408665	2238
3866.679	0.744493	1.413899	1.401898	2423
3867.799	0.736581	1.435578	1.40477	2411
3868.918	0.714067	1.450938	1.414329	2253
3870.037	0.737509	1.429381	1.428282	2131

3871.155	0.737088	1.391701	1.451589	1949
3872.273	0.732751	1.417664	1.492621	1559.5
3873.391	0.72032	1.436031	1.510218	1381
3874.509	0.696654	1.435976	1.497683	1518.5
3875.627	0.709303	1.47028	1.512823	1461
3876.745	0.715501	1.475756	1.527799	1342
3877.864	0.695978	1.431002	1.498194	1544
3878.984	0.686895	1.422382	1.478288	1686
3880.104	0.685508	1.388605	1.409838	2610.5
3881.224	0.684234	1.362754	1.404105	2659
3882.343	0.688285	1.36333	1.463241	1834.5
3883.463	0.656754	1.376345	1.459641	1876.5
3884.583	0.66373	1.412143	1.458564	1847.5
3885.707	0.703336	1.400279	1.450525	1927
3886.831	0.70035	1.41249	1.453853	1920
3887.955	0.718198	1.433588	1.478602	1698
3889.08	0.734613	1.401047	1.484673	1621.5
3890.204	0.72027	1.319428	1.423301	2294
3891.328	0.703944	1.295245	1.404362	2513.5
3892.453	0.665775	1.314849	1.444635	2049
3893.582	0.66176	1.311601	1.441664	2098.5
3894.71	0.673163	1.288165	1.424574	2285.5
3895.838	0.696501	1.282228	1.419666	2313.5
3896.967	0.724007	1.324474	1.41999	2276
3898.095	0.709836	1.337644	1.405484	2511
3899.223	0.692294	1.345766	1.380731	2808
3900.35	0.71824	1.367387	1.3641	3058
3901.476	0.742085	1.33881	1.346077	3465.5
3902.603	0.741244	1.321022	1.337452	3597.5
3903.729	0.750934	1.311927	1.309742	4242
3904.855	0.743361	1.282318	1.262634	5773.5
3905.981	0.740912	1.269386	1.236566	6685.5
3907.107	0.751957	1.277962	1.238742	6410
3908.224	0.753251	1.27668	1.248975	6053.5
3909.341	0.75705	1.280017	1.254989	5926
3910.458	0.757577	1.31181	1.275707	5231.5
3911.575	0.746837	1.324678	1.291314	4618
3912.692	0.747138	1.313569	1.297403	4412.5
3913.809	0.752809	1.29745	1.283611	5026.5
3914.923	0.738443	1.282058	1.253096	6083.5
3916.029	0.738292	1.278732	1.239961	6553.5
3917.136	0.750606	1.280842	1.232255	6747.5
3918.243	0.758189	1.287763	1.233448	6452.5
3919.35	0.753685	1.294145	1.25371	5694.5

3920.456	0.745673	1.311741	1.299184	4448.5
3921.563	0.737607	1.326829	1.324041	3877.5
3922.67	0.733654	1.310696	1.306441	4390
3923.778	0.74466	1.312314	1.301517	4431.5
3924.885	0.757405	1.338983	1.311974	4087.5
3925.992	0.757618	1.334756	1.30061	4368.5
3927.099	0.742295	1.328082	1.279929	4934
3928.207	0.743094	1.34875	1.282701	4826.5
3929.314	0.751551	1.365291	1.28191	4670.5
3930.433	0.741013	1.336134	1.244412	6017.5
3931.553	0.730201	1.325561	1.223232	6888.5
3932.673	0.734434	1.345028	1.229296	6594
3933.792	0.75501	1.336766	1.233428	6379.5
3934.912	0.765071	1.308919	1.232641	6364
3936.031	0.761178	1.257969	1.222131	7128
3937.157	0.761657	1.215707	1.209379	8155
3938.293	0.756818	1.18795	1.198559	8788
3939.43	0.761281	1.155397	1.192763	9279
3940.567	0.767148	1.148445	1.196814	9252
3941.703	0.759829	1.169936	1.200925	8923.5
3942.84	0.754824	1.19357	1.195682	9139
3943.977	0.759114	1.198422	1.193045	9287.5
3945.119	0.759138	1.199102	1.194564	9035
3946.263	0.754687	1.206586	1.189892	9278.5
3947.408	0.758276	1.236269	1.18888	9078
3948.552	0.766671	1.228988	1.188261	9066
3949.697	0.771218	1.187382	1.184037	9792.5
3950.841	0.768136	1.182619	1.181981	10090.5
3951.986	0.766495	1.186574	1.178864	10146
3953.128	0.763183	1.183212	1.176199	10221
3954.269	0.766024	1.182718	1.176879	10246.5
3955.411	0.771539	1.187196	1.176173	10337
3956.553	0.774515	1.198191	1.178822	10250
3957.695	0.776049	1.216779	1.189718	9459.5
3958.836	0.767946	1.246954	1.192862	8837
3959.975	0.760715	1.282284	1.189804	8495.5
3961.108	0.763904	1.269067	1.181442	9147.5
3962.241	0.762651	1.210514	1.169132	10730.5
3963.374	0.7563	1.161925	1.161451	11798
3964.507	0.761449	1.146529	1.155117	12444
3965.64	0.763031	1.164446	1.15829	12073
3966.773	0.765845	1.190773	1.166097	11176.5
3967.902	0.773021	1.204525	1.167146	10953
3969.029	0.773164	1.207656	1.166857	10890

3970.157	0.770191	1.204947	1.165668	10855.5
3971.284	0.772045	1.223548	1.165275	10612.5
3972.412	0.774688	1.246263	1.161941	10664
3973.54	0.772818	1.251283	1.16179	10750.5
3974.667	0.775128	1.255694	1.16649	10375.5
3975.794	0.780313	1.263829	1.170622	9933
3976.921	0.781078	1.270609	1.173143	9699
3978.048	0.769842	1.267653	1.173213	9767
3979.174	0.764992	1.263578	1.173427	9752.898
3980.301	0.771926	1.25849	1.174102	9782
3981.428	0.769468	1.258497	1.179958	9471.44
3982.555	0.769746	1.257058	1.180979	9286.68
3983.684	0.775636	1.257195	1.181092	9297.36
3984.813	0.777097	1.266927	1.190464	8714.68
3985.942	0.767766	1.256594	1.185634	8983.44
3987.071	0.758483	1.250873	1.183819	9175.36
3988.199	0.758133	1.258521	1.192628	8741.24
3989.328	0.757329	1.249091	1.189332	8948.04
3990.458	0.760409	1.238461	1.189599	8972.68
3991.589	0.757682	1.241495	1.197449	8496.36
3992.72	0.751599	1.238755	1.202528	8275.84
3993.85	0.751734	1.220178	1.210523	8015.24
3994.981	0.759164	1.203884	1.210077	8085.08
3996.111	0.762872	1.200767	1.20426	8480.12
3997.242	0.755107	1.201114	1.209831	8315.28
3998.374	0.752779	1.183145	1.21653	8012.36
3999.505	0.752085	1.176242	1.225974	7534
4000.637	0.745384	1.19428	1.234371	7176.04
4001.769	0.740498	1.210835	1.239833	6898.32
4002.9	0.744388	1.211328	1.240949	6766.76
4004.032	0.74774	1.210861	1.227903	7352.68
4005.164	0.762709	1.217209	1.218293	7786.88
4006.296	0.776153	1.223952	1.217002	7758.56
4007.427	0.766767	1.249907	1.22355	7359.48
4008.559	0.761325	1.240003	1.215418	7856.04
4009.691	0.767758	1.224554	1.203677	8429.48
4010.822	0.777067	1.236635	1.20616	8282.28
4011.954	0.77519	1.247468	1.205136	8418.56
4013.085	0.765256	1.262044	1.211752	7924.76
4014.215	0.763904	1.271154	1.208006	7815.28
4015.345	0.769531	1.283792	1.195148	8385.44
4016.475	0.766122	1.287243	1.19628	8518.68
4017.605	0.763854	1.304497	1.207534	7924.92
4018.735	0.762076	1.309435	1.210876	7500.56

4019.865	0.758886	1.278114	1.192077	8635.92
4020.991	0.755958	1.271675	1.181263	9293.96
4022.118	0.753339	1.290475	1.193068	8486.6
4023.244	0.760188	1.296748	1.209223	7624.68
4024.371	0.765259	1.27926	1.218474	7372
4025.497	0.769416	1.266915	1.21266	7652.56
4026.624	0.768603	1.257016	1.19478	8537.56
4027.749	0.75675	1.246457	1.186312	9152.68
4028.872	0.753228	1.23508	1.185019	9401.8
4029.995	0.757591	1.221743	1.185898	9436.88
4031.118	0.755019	1.220013	1.179376	9818.64
4032.242	0.753442	1.205646	1.164357	10889.28
4033.365	0.754074	1.189263	1.15979	11477.92
4034.488	0.750079	1.165373	1.170727	10910.56
4035.612	0.749347	1.143087	1.183602	10071.72
4036.736	0.751946	1.133258	1.178317	10299.88
4037.86	0.756463	1.145451	1.169844	10792.88
4038.984	0.750864	1.155721	1.179773	10220.36
4040.108	0.743076	1.148518	1.18283	10104.24
4041.232	0.750386	1.147356	1.17543	10569.08
4042.357	0.750983	1.148006	1.172631	10689.08
4043.487	0.747574	1.143938	1.169418	10946.12
4044.616	0.747661	1.138154	1.164551	11334.8
4045.746	0.747925	1.13049	1.164815	11467.52
4046.875	0.750071	1.12253	1.161814	11842.12
4048.005	0.748729	1.118148	1.155424	12308.68
4049.134	0.749116	1.118567	1.155258	12398.92
4050.267	0.75305	1.123771	1.149675	12879.72
4051.403	0.753669	1.114572	1.143952	13453.64
4052.54	0.755315	1.104547	1.1411	13837.12
4053.676	0.758135	1.107999	1.145311	13381.52
4054.812	0.758784	1.150179	1.152378	12575
4055.948	0.762014	1.138912	1.154667	12405.92
4057.085	0.76214	1.130174	1.156516	11998.96
4058.221	0.763135	1.176259	1.15362	11879.72
4059.358	0.769994	1.182937	1.14546	12720.92
4060.495	0.780199	1.185877	1.146649	12742.68
4061.632	0.780806	1.153806	1.152718	12513.44
4062.769	0.77	1.129277	1.152799	12662.56
4063.906	0.766296	1.146558	1.152778	12335.08
4065.041	0.771462	1.143359	1.149105	12565.56
4066.172	0.77503	1.144766	1.142065	13139.88
4067.302	0.770889	1.125242	1.132541	14180.08
4068.433	0.763668	1.081227	1.131124	14755.2

4069.564	0.760936	1.08938	1.140445	13713.48
4070.694	0.758782	1.099833	1.140703	13664.24
4071.825	0.758719	1.097772	1.147596	12922.8
4072.95	0.745005	1.117296	1.178979	10143.2
4074.07	0.734602	1.137233	1.187355	9616.08
4075.19	0.727659	1.146613	1.192674	7704.44
4076.311	0.737698	1.139663	1.171409	8464.8
4077.431	0.763887	1.122531	1.131378	13482.32
4078.551	0.760805	1.118938	1.149138	13041.68
4079.672	0.763239	1.127866	1.17357	10616.76
4080.785	0.78114	1.117096	1.172964	10693.8
4081.898	0.801303	1.104217	1.181248	10315.2
4083.01	0.821671	1.108989	1.203301	8835.8
4084.123	0.820873	1.155727	1.213554	7936.68
4085.235	0.803714	1.183432	1.200584	8514.64
4086.348	0.789244	1.154038	1.179545	9868.52
4087.459	0.789175	1.148279	1.167226	10739.04
4088.567	0.788072	1.164536	1.163881	11139
4089.675	0.783311	1.173172	1.172637	10678.36
4090.783	0.784275	1.171492	1.181018	9921.12
4091.891	0.782981	1.174986	1.177138	10054.52
4092.998	0.782393	1.170002	1.184483	9778.2
4094.106	0.802629	1.132977	1.204034	8783.44
4095.212	0.829379	1.122654	1.21769	7823.68
4096.317	0.83517	1.130145	1.218783	7536.8
4097.422	0.847624	1.127562	1.232075	7000.6
4098.527	0.852314	1.137997	1.251759	6096.56
4099.631	0.849521	1.1609	1.248642	6058.72
4100.736	0.836794	1.19018	1.228179	6768.16
4101.841	0.804945	1.191801	1.205943	7995.6
4102.941	0.785893	1.19765	1.199539	8569.68
4104.041	0.773163	1.189	1.190897	9230.92
4105.14	0.767288	1.185704	1.191727	9115.4
4106.24	0.771226	1.224096	1.202845	8335.16
4107.339	0.77227	1.251411	1.207866	8076.84
4108.439	0.763015	1.235947	1.204205	8062.92
4109.536	0.754888	1.191547	1.189221	9078.24
4110.628	0.753965	1.181774	1.184824	9669.96
4111.72	0.752964	1.181317	1.182999	9870.24
4112.811	0.746664	1.177229	1.181496	9957.16
4113.903	0.732977	1.192848	1.191902	9215.6
4114.995	0.722991	1.202027	1.210987	8019.36
4116.087	0.723487	1.207015	1.227439	7137.6
4117.175	0.711075	1.226374	1.240873	6590.72

4118.26	0.706285	1.248529	1.259384	5791.52
4119.345	0.709903	1.250539	1.272818	5233.6
4120.43	0.711917	1.250074	1.289902	4835.76
4121.515	0.701731	1.251987	1.300557	4600.84
4122.6	0.696743	1.27682	1.32154	4051.64
4123.685	0.697331	1.331062	1.365194	3114.08
4124.773	0.688602	1.374937	1.419294	2338.92
4125.861	0.684623	1.407405	1.470353	1751.8
4126.949	0.68723	1.421405	1.482952	1635.6
4128.037	0.648616	1.390935	1.470484	1796.32
4129.125	0.630011	1.368487	1.468344	1829.72
4130.213	0.685551	1.377682	1.477296	1728.76
4131.304	0.7122	1.404682	1.483567	1664.6
4132.406	0.710227	1.420027	1.47909	1709.08
4133.507	0.710458	1.410338	1.460647	1873.92
4134.608	0.709215	1.396714	1.430952	2152.12
4135.709	0.689919	1.400631	1.425819	2162.28
4136.811	0.701858	1.394478	1.420444	2243.4
4137.912	0.713243	1.365009	1.407082	2435.12
4139.024	0.669091	1.354186	1.414542	2369.84
4140.145	0.669659	1.365723	1.445066	2065.28
4141.265	0.683035	1.390291	1.483615	1684.32
4142.385	0.672188	1.403081	1.497637	1555.47
4143.505	0.670981	1.400899	1.496512	1569.836
4144.625	0.669774	1.398716	1.495388	1584.202
4145.745	0.668567	1.396533	1.494263	1598.568
4146.879	0.66736	1.394351	1.493139	1612.934
4148.013	0.666152	1.392168	1.492015	1627.3
4149.148	0.664945	1.389985	1.49089	1641.665
4150.282	0.663738	1.387803	1.489766	1656.031
4151.417	0.662531	1.38562	1.488641	1670.397
4152.551	0.661324	1.383437	1.487517	1684.763
4153.688	0.660117	1.381254	1.486393	1699.129
4154.831	0.65891	1.379072	1.485268	1713.495
4155.974	0.657703	1.376889	1.484144	1727.86
4157.117	0.656496	1.374706	1.483019	1742.226
4158.26	0.655288	1.372524	1.481895	1756.592
4159.403	0.654081	1.370341	1.480771	1770.958
4160.546	0.652874	1.368158	1.479646	1785.324
4161.689	0.651667	1.365976	1.478522	1799.69
4162.833	0.65046	1.363793	1.477397	1814.056
4163.978	0.649253	1.36161	1.476273	1828.421
4165.122	0.648046	1.359427	1.475149	1842.787
4166.266	0.646839	1.357245	1.474024	1857.153

4167.41	0.645631	1.355062	1.4729	1871.519
4168.554	0.644424	1.352879	1.471775	1885.885
4169.69	0.643217	1.350697	1.470651	1900.251
4170.826	0.64201	1.348514	1.469527	1914.617
4171.962	0.640803	1.346331	1.468402	1928.982
4173.098	0.639596	1.344149	1.467278	1943.348
4174.234	0.638389	1.341966	1.466153	1957.714
4175.369	0.637182	1.339783	1.465029	1972.08
4176.5	0.635975	1.3376	1.463905	1986.446
4177.617	0.634767	1.335418	1.46278	2000.812
4178.735	0.63356	1.333235	1.461656	2015.178
4179.852	0.632353	1.331052	1.460531	2029.543
4180.97	0.631146	1.32887	1.459407	2043.909
4182.087	0.629939	1.326687	1.458282	2058.275
4183.205	0.628732	1.324504	1.457158	2072.641
4184.31	0.627525	1.322322	1.456034	2087.007
4185.408	0.626318	1.320139	1.454909	2101.373
4186.507	0.62511	1.317956	1.453785	2115.739
4187.606	0.623903	1.315773	1.45266	2130.104
4188.704	0.59038	1.317683	1.457128	2077.72
4189.803	0.584677	1.326538	1.455144	2075.52
4190.901	0.622894	1.341207	1.473872	1923.8
4192.001	0.659309	1.325868	1.466407	1986.52
4193.1	0.67388	1.303882	1.433405	2232.68
4194.2	0.693616	1.297609	1.419313	2454.4
4195.299	0.714497	1.27796	1.408738	2651.28
4196.398	0.694842	1.263581	1.376901	3209.2
4197.498	0.677961	1.273407	1.369936	3269.76
4198.605	0.683874	1.292002	1.382363	2988.08
4199.728	0.697891	1.27507	1.352426	3565.52
4200.851	0.699849	1.276787	1.346861	3650.08
4201.974	0.696963	1.269387	1.341065	3856.36
4203.097	0.707915	1.25108	1.334042	4014.24
4204.219	0.708492	1.251043	1.335693	3920.2
4205.342	0.706497	1.267123	1.320816	4213.68
4206.488	0.711844	1.274965	1.309347	4565.68
4207.646	0.721564	1.24936	1.294642	5062.16
4208.804	0.730813	1.24296	1.278508	5489.04
4209.961	0.732019	1.249218	1.273306	5595.08
4211.119	0.737565	1.248298	1.276001	5528.16
4212.277	0.723652	1.238745	1.264195	6048.32
4213.434	0.710681	1.247469	1.263657	6060.2
4214.613	0.714479	1.253962	1.257573	6279.32
4215.791	0.721846	1.24968	1.22367	7883.32

4216.97	0.738385	1.271357	1.205666	8782.72
4218.149	0.745193	1.296604	1.207982	8388.04
4219.327	0.750268	1.313532	1.205622	8186.08
4220.506	0.757561	1.314425	1.192365	8888.36
4221.685	0.751597	1.312906	1.199037	8536.28
4222.868	0.749571	1.329104	1.206015	7886.64
4224.05	0.750391	1.341161	1.19701	8308.56
4225.232	0.754097	1.350887	1.199012	8198
4226.414	0.745599	1.347113	1.2038	7941.56
4227.597	0.727053	1.339107	1.20898	7856.4
4228.779	0.73281	1.340516	1.214653	7691.8
4229.956	0.730065	1.327838	1.2161	7639.64
4231.13	0.698804	1.290219	1.22582	7357.92
4232.305	0.682281	1.240691	1.231492	7518.52
4233.479	0.68392	1.190789	1.231683	7885.76
4234.653	0.668714	1.167051	1.244612	7311.68
4235.828	0.671635	1.153427	1.245849	7492.56
4237.002	0.683907	1.131928	1.228427	8484.72
4238.17	0.666348	1.137378	1.23056	7800.96
4239.338	0.66008	1.140811	1.23112	7534.88
4240.506	0.657095	1.145917	1.221346	8267.2
4241.674	0.645083	1.149847	1.234726	7643.2
4242.842	0.645603	1.132228	1.247795	6948.36
4244.01	0.667617	1.13189	1.241303	7361.52
4245.177	0.681505	1.126762	1.21946	8934.2
4246.341	0.671074	1.139481	1.219197	8835.52
4247.506	0.666143	1.160885	1.227773	8009.68
4248.67	0.653519	1.16051	1.235289	7591.04
4249.835	0.671601	1.163273	1.233756	7659.6
4250.999	0.698336	1.166784	1.223325	8218.44
4252.164	0.710553	1.169074	1.219624	8502.24
4253.328	0.726471	1.169056	1.212127	8845.52
4254.493	0.688408	1.14712	1.213517	8448.24
4255.658	0.673417	1.133208	1.212752	8527.6
4256.823	0.686982	1.144753	1.210027	8908.92
4257.987	0.689567	1.145268	1.214676	8750.36
4259.152	0.69805	1.146204	1.214839	8591.16
4260.317	0.687152	1.13775	1.209845	8868.88
4261.487	0.680335	1.113829	1.214148	8766.64
4262.656	0.702065	1.11878	1.203961	9331.4
4263.826	0.725314	1.155655	1.192317	10113.44
4264.996	0.729238	1.16542	1.18141	11039.96
4266.165	0.739046	1.159319	1.161352	12328.04
4267.335	0.750992	1.174714	1.15144	12779.4

4268.509	0.751801	1.188015	1.142856	13075.32
4269.688	0.756922	1.207449	1.140224	13140.76
4270.868	0.763424	1.227623	1.142066	13182.52
4272.047	0.76538	1.247381	1.143366	12842.84
4273.227	0.768523	1.255137	1.144926	12513.08
4274.406	0.77244	1.235962	1.140771	13263.08
4275.586	0.769881	1.226078	1.144411	13283.12
4276.772	0.759622	1.224664	1.152575	12364.84
4277.961	0.757243	1.210974	1.147521	12818.48
4279.149	0.758544	1.195056	1.144306	13369.6
4280.338	0.75651	1.175755	1.141811	13852.4
4281.526	0.762163	1.154665	1.14028	14284.16
4282.715	0.766925	1.142455	1.14056	14373.24
4283.903	0.769062	1.135524	1.139927	14558.12
4285.086	0.766456	1.122324	1.136296	14995.04
4286.269	0.762146	1.131883	1.139334	14536.24
4287.452	0.764959	1.117335	1.148006	13752.44
4288.636	0.766986	1.08853	1.153849	13505.2
4289.819	0.762886	1.107196	1.156407	13446.68
4291.002	0.753441	1.124747	1.161163	12813.08
4292.176	0.733673	1.135851	1.1779	10724.64
4293.338	0.729347	1.113063	1.174685	10297.52
4294.499	0.748863	1.088884	1.152105	12458.96
4295.661	0.757675	1.117326	1.149543	13191.96
4296.823	0.746906	1.135863	1.162946	11813.28
4297.985	0.745092	1.111891	1.163358	11710.28
4299.146	0.753925	1.098183	1.157323	12599.4
4300.285	0.741586	1.076749	1.157768	12717.44
4301.417	0.725877	1.060737	1.164338	11873.2
4302.549	0.716703	1.103422	1.179373	10440.56
4303.681	0.704305	1.107771	1.190953	9763.12
4304.813	0.695278	1.110167	1.199285	9440.04
4305.945	0.700513	1.11511	1.200446	9399.88
4307.075	0.705494	1.10035	1.196964	9747.84
4308.188	0.695354	1.107862	1.207327	9152.52
4309.301	0.693742	1.095858	1.204988	9457.72
4310.414	0.706897	1.074	1.184952	11037.8
4311.528	0.720087	1.061527	1.171389	11976.44
4312.641	0.727223	1.04811	1.164134	12550.96
4313.754	0.733521	1.030045	1.156663	13381.44
4314.864	0.731632	1.033243	1.15215	13731.6
4315.972	0.73975	1.042288	1.143764	14363.28
4317.079	0.749172	1.049216	1.135864	15079
4318.186	0.748937	1.065546	1.142157	14449.84

4319.294	0.754456	1.077298	1.148813	13834.08
4320.401	0.757902	1.08475	1.144472	14330.96
4321.508	0.758639	1.092849	1.140303	14705.48
4322.618	0.762663	1.108618	1.137138	14785.8
4323.729	0.76588	1.13734	1.141546	14130.52
4324.839	0.765188	1.1546	1.148727	13425.96
4325.949	0.763703	1.157761	1.147791	13646.16
4327.06	0.760576	1.161375	1.150229	13336.44
4328.17	0.761134	1.160661	1.154324	12879.6
4329.28	0.767159	1.154808	1.156041	12885.04
4330.391	0.766031	1.140171	1.150296	13499.16
4331.503	0.761123	1.123597	1.146193	13775.2
4332.614	0.761017	1.112768	1.14671	13850.4
4333.725	0.762393	1.108329	1.148181	13849
4334.836	0.759585	1.108799	1.15426	13057.68
4335.947	0.750972	1.093737	1.155443	12935.08
4337.057	0.745084	1.073867	1.151699	13517.36
4338.165	0.750052	1.078317	1.151605	13573.56
4339.273	0.755583	1.09163	1.152754	13318.6
4340.381	0.756526	1.094388	1.14925	13700.32
4341.489	0.760776	1.095564	1.144169	14227.84
4342.598	0.763494	1.100219	1.142177	14408.92
4343.706	0.762408	1.104929	1.146883	13935.64
4344.809	0.76078	1.104203	1.150361	13454.2
4345.912	0.762484	1.10418	1.146072	14079.96
4347.015	0.758852	1.110514	1.152626	13332.56
4348.118	0.735205	1.109046	1.164423	11009.76
4349.221	0.740918	1.103755	1.152323	12325
4350.324	0.762381	1.101373	1.128315	16183.88
4351.426	0.76468	1.110163	1.128126	16454.52
4352.525	0.758208	1.10816	1.131007	15738.64
4353.624	0.757364	1.104654	1.128288	16040.88
4354.723	0.766718	1.117434	1.133239	15381.36
4355.822	0.767102	1.117652	1.13624	14971.28
4356.92	0.762221	1.114077	1.139117	14599.68
4358.019	0.759626	1.109205	1.139169	14393.56
4359.117	0.764557	1.09319	1.130285	15505.32
4360.213	0.770684	1.089338	1.123373	16411.24
4361.31	0.773786	1.102881	1.121037	16564.84
4362.406	0.775987	1.10451	1.118953	16794.8
4363.503	0.772439	1.094777	1.117417	16930.32
4364.599	0.772362	1.094083	1.118807	16712.32
4365.696	0.775382	1.095326	1.12106	16494.64
4366.791	0.769069	1.09415	1.123556	15798.56

4367.887	0.761041	1.102459	1.131387	14837.96
4368.982	0.75888	1.129511	1.147161	13531.84
4370.078	0.746539	1.151408	1.174379	11153.72
4371.173	0.748834	1.139481	1.186311	10129.08
4372.269	0.760359	1.117403	1.173735	11265.56
4373.364	0.750819	1.100099	1.160917	12405.8
4374.459	0.748681	1.11246	1.169042	11662.68
4375.554	0.763188	1.140431	1.182695	10602.36
4376.648	0.760446	1.131381	1.172973	11561.84
4377.743	0.745131	1.117182	1.16298	12366.12
4378.838	0.746223	1.106548	1.163201	12381.04
4379.933	0.754009	1.114059	1.161144	12507.76
4381.027	0.751912	1.108791	1.164305	12250.84
4382.122	0.742049	1.11476	1.17605	11182.84
4383.216	0.749249	1.124818	1.182918	10513.96
4384.311	0.763243	1.124451	1.180128	10697.4
4385.405	0.767673	1.139963	1.181878	10338.04
4386.5	0.752618	1.140712	1.195034	9407.36
4387.594	0.748213	1.141253	1.200842	9125.76
4388.69	0.761517	1.136927	1.197128	9507.52
4389.785	0.765392	1.130261	1.19992	9380.68
4390.881	0.76503	1.164224	1.210483	8725.72
4391.976	0.75461	1.19145	1.222978	7980.52
4393.071	0.748665	1.183833	1.231431	7417.12
4394.167	0.760387	1.179452	1.229522	7501.56
4395.263	0.771939	1.192633	1.234315	7333.76
4396.363	0.777268	1.216981	1.242084	6915.44
4397.462	0.775755	1.224209	1.238056	7023.6
4398.562	0.769618	1.211612	1.230183	7436.2
4399.662	0.77357	1.201241	1.221924	7905.16
4400.762	0.777063	1.196103	1.219337	8102.04
4401.861	0.767782	1.203342	1.225858	7791.52
4402.966	0.750281	1.221633	1.241063	7148.32
4404.073	0.739879	1.212913	1.248022	6954.68
4405.181	0.734423	1.222704	1.269154	6116.48
4406.289	0.675298	1.295005	1.326129	4119.36
4407.397	0.652944	1.324628	1.344713	3495.36
4408.505	0.69125	1.310695	1.336106	3830.2
4409.613	0.675782	1.299197	1.347826	3677.32
4410.73	0.66199	1.32108	1.388411	3026.28
4411.848	0.673012	1.334112	1.421917	2498.32
4412.966	0.581397	1.317719	1.449406	2203.76
4414.084	0.565047	1.315847	1.472534	1954.36
4415.202	0.62668	1.311272	1.456794	2100.24

4416.321	0.61437	1.334092	1.463028	2027.92
4417.441	0.619899	1.36253	1.481753	1780.44
4418.568	0.644161	1.350968	1.464327	1919.24
4419.695	0.626987	1.340267	1.478384	1817.4
4420.822	0.624272	1.337314	1.463743	1963.4
4421.949	0.621353	1.363108	1.474766	1875.4
4423.076	0.609314	1.38763	1.515676	1495.64
4424.203	0.621785	1.372189	1.537747	1369.12
4425.334	0.651612	1.36678	1.523838	1481.2
4426.468	0.649955	1.394658	1.554918	1331.32
4427.601	0.61439	1.388515	1.551735	1330.48
4428.735	0.632996	1.364761	1.453257	2087.72
4429.869	0.670018	1.365351	1.433384	2295.52
4431.002	0.682211	1.352584	1.402934	2754.08
4432.136	0.687661	1.307748	1.322374	4317.92
4433.274	0.698834	1.286017	1.298774	4906.12
4434.413	0.697826	1.320921	1.344345	3858.64
4435.551	0.683946	1.323722	1.363382	3448.88
4436.689	0.675027	1.328207	1.388177	3088.6
4437.828	0.645382	1.32412	1.412655	2636.16
4438.966	0.650325	1.318614	1.400218	2796.88
4440.105	0.645718	1.306671	1.382844	3138.4
4441.246	0.619117	1.31309	1.395427	2951.28
4442.387	0.578056	1.359139	1.447865	2196.32
4443.528	0.582982	1.370021	1.477673	1889.4
4444.669	0.599731	1.373876	1.492886	1766.88
4445.81	0.617923	1.389296	1.475645	1888.96
4446.951	0.615433	1.382681	1.466934	1940.2
4448.092	0.590736	1.3589	1.450658	2076.56
4449.234	0.638527	1.352232	1.407447	2577.56
4450.375	0.650803	1.356543	1.404313	2692.04
4451.517	0.635906	1.345208	1.429996	2390.56
4452.658	0.646952	1.331236	1.43159	2359.12
4453.8	0.624093	1.371533	1.442681	2212.2
4454.941	0.58846	1.412517	1.480429	1816.72
4456.082	0.549221	1.405061	1.519208	1531.96
4457.222	0.544004	1.401699	1.501208	1682.84
4458.363	0.606101	1.415074	1.451554	2070.48
4459.503	0.631512	1.406521	1.444126	2158.72
4460.644	0.618186	1.394583	1.458269	2041.76
4461.784	0.633423	1.375223	1.42333	2474.04
4462.924	0.673669	1.337122	1.398706	2742.88
4464.064	0.665598	1.310937	1.40991	2634.8
4465.204	0.642685	1.311238	1.422427	2502.92

4466.344	0.679849	1.315879	1.415568	2634.48
4467.484	0.74045	1.339524	1.412387	2650.64
4468.623	0.758543	1.338301	1.404705	2724.84
4469.763	0.761946	1.328112	1.382645	3052.8
4470.903	0.769965	1.323807	1.379218	3120.32
4472.042	0.759079	1.308687	1.360458	3483.32
4473.182	0.761417	1.308834	1.344015	3829.4
4474.321	0.750958	1.3	1.35424	3618.68
4475.461	0.733206	1.298869	1.380439	3103.2
4476.6	0.74184	1.314901	1.38648	2958.44
4477.739	0.754062	1.334093	1.370748	3237.6
4478.879	0.757101	1.336025	1.36652	3361.72
4480.019	0.754444	1.334024	1.377668	3190.04
4481.158	0.754212	1.33462	1.38784	2997.68
4482.298	0.761527	1.323821	1.380634	3104.2
4483.437	0.777449	1.322688	1.361335	3426.2
4484.577	0.781396	1.336301	1.345734	3680.56
4485.717	0.771338	1.316758	1.330246	4100.4
4486.857	0.783775	1.297169	1.337366	4011.64
4487.997	0.790294	1.291663	1.328566	4146.92
4489.137	0.782316	1.266115	1.276277	5739.28
4490.277	0.781868	1.254011	1.251437	6761.4
4491.417	0.779063	1.259849	1.247573	6831.72
4492.557	0.772947	1.255144	1.243004	6813.36
4493.697	0.770089	1.251569	1.243832	6881.44
4494.838	0.768741	1.284009	1.255876	6459.84
4495.978	0.754186	1.310773	1.278521	5581.16
4497.119	0.732043	1.324665	1.307038	4695.24
4498.26	0.702541	1.314937	1.311275	4515.16
4499.4	0.675095	1.299137	1.32239	4291.24
4500.541	0.653923	1.317241	1.361914	3422.24
4501.682	0.625524	1.32752	1.397781	2827.28
4502.823	0.648034	1.33979	1.42372	2460.36
4503.964	0.675657	1.370468	1.44944	2148.76
4505.105	0.661657	1.402968	1.469699	1866.84
4506.247	0.67179	1.397733	1.451321	2084.2
4507.388	0.701063	1.365834	1.411686	2640.64
4508.529	0.70045	1.306752	1.340703	3963
4509.669	0.719044	1.238181	1.263633	6110.28
4510.809	0.754103	1.220547	1.254041	6533.4
4511.949	0.758735	1.2252	1.27148	5879.56
4513.09	0.749667	1.25718	1.311062	4776.84
4514.23	0.735076	1.309685	1.395082	3010.64
4515.37	0.709551	1.355406	1.467356	1993.36

4516.509	0.688798	1.385466	1.484056	1798.32
4517.647	0.680831	1.382573	1.447097	2133.76
4518.785	0.619616	1.377491	1.444681	2103.4
4519.923	0.62557	1.373539	1.486871	1678.4
4521.061	0.656867	1.348468	1.473333	1885.08
4522.199	0.65081	1.363874	1.485479	1850.64
4523.337	0.648462	1.389288	1.495005	1735.36
4524.472	0.601951	1.40147	1.492268	1732.16
4525.607	0.585324	1.391057	1.493495	1717.16
4526.742	0.616874	1.368116	1.466573	1914.96
4527.877	0.672159	1.389376	1.452722	2042.04
4529.012	0.68717	1.429067	1.472973	1882.08
4530.147	0.631953	1.429333	1.491108	1731.92
4531.282	0.611385	1.407949	1.470526	1961.12
4532.416	0.663212	1.377805	1.412878	2659.72
4533.55	0.701247	1.376048	1.382	2971.4
4534.685	0.699657	1.427962	1.451682	2148.36
4535.819	0.709871	1.451359	1.522026	1462.36
4536.953	0.688597	1.423943	1.527909	1435.84
4538.087	0.648551	1.387814	1.485399	1819.08
4539.223	0.647593	1.378214	1.461013	2031.56
4540.358	0.629082	1.370157	1.44744	2171.04
4541.494	0.616348	1.360335	1.43016	2363.52
4542.63	0.62834	1.373386	1.470396	1926.64
4543.765	0.651201	1.401148	1.504606	1545.96
4544.901	0.689497	1.40608	1.458225	2055.16
4546.037	0.690694	1.401304	1.428645	2369.92
4547.176	0.687688	1.401494	1.439749	2225.6
4548.315	0.673999	1.394724	1.442322	2232.64
4549.453	0.66316	1.397326	1.464524	2043.12
4550.592	0.671516	1.398569	1.476819	1897.68
4551.731	0.659343	1.367283	1.46356	2033.68
4552.869	0.630135	1.341993	1.460285	2072.08
4554.009	0.616605	1.365481	1.463646	1988.04
4555.149	0.650134	1.38703	1.450712	2104.84
4556.29	0.666963	1.356016	1.408669	2670.88
4557.431	0.669246	1.320856	1.376298	3065.56
4558.571	0.673071	1.30823	1.376586	3079.48
4559.712	0.677059	1.3197	1.423098	2538.76
4560.853	0.654039	1.350669	1.485672	1817.88
4561.994	0.622609	1.364597	1.490478	1771.72
4563.135	0.634565	1.388834	1.472558	1935.52
4564.276	0.606217	1.408168	1.494554	1744.2
4565.417	0.534222	1.392956	1.501834	1666.68

4566.559	0.557988	1.370849	1.464725	2004.16
4567.7	0.622444	1.375652	1.452258	2108
4568.841	0.633162	1.391449	1.456522	2036.96
4569.982	0.61599	1.409975	1.464117	1963.28
4571.122	0.637842	1.412545	1.458599	2029.48
4572.263	0.673053	1.392394	1.429893	2353.44
4573.404	0.677232	1.365504	1.390552	2942.76
4574.545	0.692484	1.327644	1.342422	3816.08
4575.685	0.699332	1.323993	1.344154	3759.16
4576.826	0.683526	1.328845	1.372793	3193.6
4577.965	0.671564	1.32896	1.399147	2785.92
4579.105	0.678137	1.353017	1.436789	2285.92
4580.245	0.64066	1.351772	1.44211	2231.88
4581.385	0.624274	1.33019	1.426204	2415.08
4582.525	0.646508	1.36148	1.449737	2148.84
4583.665	0.621818	1.369853	1.448368	2148.72
4584.804	0.635825	1.369038	1.444718	2184.52
4585.943	0.66739	1.403926	1.457047	2057.92
4587.082	0.674091	1.41383	1.469943	1941.36
4588.222	0.646487	1.427077	1.504377	1636.32
4589.361	0.630031	1.436541	1.521319	1503.72
4590.5	0.650347	1.414981	1.507602	1596.8
4591.639	0.626207	1.410855	1.515908	1531.52
4592.777	0.598751	1.421982	1.534233	1384.32
4593.916	0.59463	1.407483	1.519443	1510.56
4595.054	0.612694	1.36505	1.474318	1935.12
4596.193	0.648934	1.357427	1.451135	2111.6
4597.331	0.676587	1.356987	1.436945	2290.44
4598.47	0.686862	1.347906	1.430721	2404.8
4599.609	0.662148	1.370467	1.454088	2128.64
4600.749	0.635616	1.368366	1.477357	1890.28
4601.888	0.616999	1.368704	1.518522	1565.4
4603.028	0.581083	1.390446	1.562475	1255
4604.168	0.583304	1.391856	1.548601	1331.12
4605.307	0.603443	1.378022	1.503879	1646.52
4606.447	0.615152	1.362296	1.481582	1836.76
4607.589	0.593241	1.367288	1.452262	2111.96
4608.731	0.583321	1.39766	1.462684	2005.64
4609.874	0.610063	1.400863	1.481869	1791.68
4611.016	0.641521	1.371651	1.465121	1964.72
4612.159	0.62672	1.367178	1.473668	1895.4
4613.301	0.59381	1.386898	1.507235	1603.4
4614.445	0.595927	1.392998	1.525243	1480.96
4615.591	0.554626	1.404956	1.537286	1407.76

4616.738	0.547711	1.434492	1.55159	1305.04
4617.885	0.558531	1.445562	1.564674	1225.32
4619.031	0.562526	1.414244	1.544161	1354.48
4620.178	0.600523	1.39261	1.486638	1777.32
4621.325	0.604365	1.392768	1.456993	2047.32
4622.473	0.63267	1.359948	1.395473	2951.04
4623.624	0.698127	1.323007	1.30368	4712.28
4624.775	0.718166	1.308335	1.257545	6056.76
4625.925	0.720265	1.303805	1.248915	6385.76
4627.076	0.733317	1.307279	1.253112	6463.96
4628.227	0.734053	1.320872	1.270735	5988.76
4629.377	0.717597	1.345615	1.305194	4714.36
4630.531	0.713377	1.360172	1.322624	4121.28
4631.685	0.723465	1.342833	1.295724	4945.56
4632.839	0.727228	1.325554	1.271228	5690.4
4633.993	0.732796	1.319108	1.253419	6466.52
4635.147	0.74371	1.320508	1.237418	7037.68
4636.301	0.747696	1.325085	1.236292	7100.36
4637.455	0.742217	1.316315	1.231881	7361.72
4638.61	0.734788	1.308915	1.225678	7553.44
4639.765	0.720708	1.282299	1.201972	9138.32
4640.92	0.736802	1.279208	1.200682	9239.48
4642.075	0.75257	1.31105	1.215485	7973.04
4643.23	0.743223	1.32846	1.215297	7807.32
4644.384	0.745325	1.324463	1.22111	7611.92
4645.535	0.747927	1.301887	1.209639	8360
4646.682	0.746905	1.282379	1.192177	9353.24
4647.829	0.745513	1.269013	1.212725	8443.88
4648.976	0.742082	1.238707	1.215029	8484.44
4650.122	0.745146	1.220522	1.202097	9251.68
4651.269	0.748607	1.212032	1.204368	9284.48
4652.416	0.745608	1.204343	1.191297	10122.92
4653.547	0.749329	1.198161	1.177522	11167.12
4654.676	0.748052	1.188324	1.176121	11504.72
4655.805	0.747256	1.189366	1.175388	11590.84
4656.934	0.744947	1.186908	1.180018	11241.72
4658.063	0.742794	1.178246	1.175341	11596.96
4659.192	0.745554	1.175394	1.173133	11708.24
4660.316	0.748353	1.191829	1.187383	10567.48
4661.421	0.751189	1.201423	1.187125	10572.08
4662.527	0.750905	1.212404	1.192599	10173.08
4663.633	0.744682	1.235164	1.207205	9091.76
4664.739	0.740053	1.230694	1.204386	9218.8
4665.844	0.739735	1.205323	1.200645	9488.2

4666.95	0.735534	1.186885	1.206275	9287.84
4668.047	0.72717	1.173764	1.211775	8898.84
4669.138	0.724661	1.183958	1.224171	8013.28
4670.228	0.731963	1.203364	1.230961	7580.72
4671.318	0.723215	1.207547	1.233252	7489.2
4672.409	0.714838	1.209841	1.241669	7093.92
4673.499	0.714485	1.224963	1.252492	6645.8
4674.589	0.698458	1.252593	1.266366	6077.52
4675.675	0.689852	1.288948	1.293126	5137.92
4676.76	0.690338	1.312959	1.326601	4164.72
4677.845	0.697406	1.318729	1.324248	4138.68
4678.93	0.713058	1.316032	1.291128	5028.48
4680.015	0.719502	1.300145	1.264341	5981.44
4681.1	0.726863	1.284503	1.252444	6451.32
4682.186	0.736509	1.285473	1.252151	6414.56
4683.273	0.743795	1.291275	1.254772	6309.52
4684.361	0.74557	1.288652	1.250744	6558.6
4685.448	0.730268	1.262924	1.221362	8112.88
4686.536	0.725578	1.240544	1.194722	9620.56
4687.623	0.73664	1.24754	1.195276	9454.88
4688.71	0.746649	1.250053	1.188977	9793.92
4689.8	0.752524	1.247863	1.177756	10615.32
4690.89	0.760012	1.249332	1.181042	10380.6
4691.981	0.763448	1.234086	1.183863	10239.88
4693.071	0.76057	1.219651	1.183395	10297.44
4694.162	0.761084	1.205409	1.17605	10964.84
4695.252	0.766927	1.189864	1.168159	11634.24
4696.343	0.771267	1.191531	1.170163	11506.16
4697.435	0.766344	1.210211	1.166721	11734.92
4698.528	0.763196	1.225442	1.172334	11261.76
4699.622	0.765905	1.231399	1.18156	10368.68
4700.715	0.761401	1.228137	1.174845	10615.2
4701.808	0.758311	1.216465	1.17091	11022.76
4702.901	0.76412	1.22122	1.172161	10970.24
4703.995	0.760035	1.229481	1.171789	10714.76
4705.09	0.753062	1.226259	1.165964	11005.32
4706.186	0.768792	1.21855	1.153377	12657.12
4707.282	0.769841	1.212303	1.167856	12275.8
4708.377	0.729794	1.203276	1.198647	9542.12
4709.473	0.720373	1.199075	1.198452	9056.2
4710.569	0.743733	1.194548	1.179632	10503.72
4711.667	0.754508	1.180398	1.169059	11417.12
4712.767	0.756049	1.157536	1.160765	12284.4
4713.867	0.752557	1.156859	1.160826	12452

4714.967	0.751125	1.18091	1.173863	11377.88
4716.067	0.747384	1.185761	1.180415	10786.4
4717.166	0.74961	1.182509	1.183395	10516.8
4718.266	0.759002	1.197916	1.184277	10352.52
4719.372	0.757845	1.206574	1.185388	10284.16
4720.478	0.750686	1.202933	1.191819	9808.56
4721.584	0.742426	1.190657	1.201139	9175.64
4722.69	0.735622	1.202898	1.207336	8811.88
4723.796	0.734286	1.259969	1.216436	8007
4724.902	0.720671	1.291939	1.243711	6667.24
4726.01	0.696549	1.285179	1.282265	5455.76
4727.123	0.682388	1.280092	1.307436	4685.8
4728.236	0.688908	1.280374	1.314443	4412.6
4729.349	0.710079	1.280486	1.297748	4814.6
4730.461	0.731707	1.289126	1.250516	6415.4
4731.574	0.739862	1.315067	1.231146	6990.12
4732.687	0.744436	1.325066	1.237049	6714.84
4733.802	0.749711	1.314551	1.239288	6739.64
4734.918	0.753269	1.304861	1.24368	6617.24
4736.035	0.75146	1.282493	1.233906	7174.2
4737.151	0.749542	1.25645	1.22122	7916.48
4738.268	0.743277	1.238366	1.212458	8370.68
4739.384	0.745683	1.240401	1.209742	8563.44
4740.501	0.765059	1.245024	1.215866	8700.24
4741.617	0.750617	1.243222	1.239708	7463.68
4742.734	0.713516	1.250991	1.258917	6095.6
4743.85	0.715399	1.257329	1.260191	6016.08
4744.966	0.728015	1.268377	1.265033	5864.6
4746.083	0.733665	1.286454	1.270185	5572.2
4747.199	0.731932	1.301628	1.272379	5434.04
4748.315	0.711266	1.315772	1.301057	4741.32
4749.429	0.676013	1.312153	1.344193	3765.6
4750.543	0.655027	1.323662	1.380679	3095.12
4751.657	0.648211	1.329564	1.380518	3071.92
4752.772	0.65819	1.320248	1.362162	3388.68
4753.886	0.673133	1.327649	1.364644	3346.28
4755	0.676398	1.31973	1.357688	3515.52
4756.114	0.68521	1.311381	1.345742	3770.48
4757.228	0.684775	1.323031	1.357246	3540.8
4758.342	0.673524	1.336987	1.387366	2974.64
4759.457	0.664982	1.331736	1.396407	2758.08
4760.571	0.685641	1.310766	1.329785	4116.92
4761.685	0.723665	1.309287	1.250582	6109.52
4762.799	0.749374	1.31414	1.219678	7283.52

4763.916	0.756036	1.306278	1.20704	8047.64
4765.033	0.751935	1.289556	1.197525	8856.04
4766.15	0.742521	1.281805	1.216015	8169.96
4767.267	0.732778	1.297695	1.25252	6453.2
4768.384	0.74634	1.305145	1.255382	6236.96
4769.501	0.745739	1.294143	1.235302	7135.32
4770.62	0.741215	1.297357	1.228952	7355.68
4771.742	0.74653	1.295489	1.225947	7397.68
4772.864	0.743529	1.271491	1.209992	8386.16
4773.986	0.744651	1.27725	1.207963	8519.64
4775.108	0.738263	1.28171	1.20299	8650.8
4776.23	0.738826	1.25991	1.182766	9927.16
4777.352	0.748287	1.24171	1.167873	11215.44
4778.477	0.748028	1.237364	1.165776	11439.08
4779.603	0.748736	1.240357	1.165528	11254.72
4780.729	0.744811	1.215911	1.144656	13220.36
4781.855	0.746959	1.204627	1.141887	13868.44
4782.981	0.758895	1.225098	1.157912	12316.84
4784.106	0.760835	1.247835	1.158619	11688.72
4785.232	0.751098	1.248325	1.159712	11495.64
4786.36	0.749584	1.225023	1.166945	11526.16
4787.488	0.747875	1.220999	1.178206	10772.8
4788.616	0.74453	1.223513	1.184612	10191.2
4789.744	0.751856	1.216183	1.183834	10481.16
4790.872	0.748421	1.222547	1.190253	9903.84
4792	0.741466	1.23703	1.198545	9165.36
4793.129	0.743806	1.23753	1.192969	9667.52
4794.258	0.759088	1.238477	1.191677	10182.16
4795.386	0.756844	1.251986	1.210193	9061.52
4796.515	0.744118	1.249858	1.213396	8535.12
4797.644	0.748917	1.242338	1.203782	8918.44
4798.773	0.751269	1.254507	1.217863	7831.68
4799.902	0.75023	1.268594	1.240124	6708.48
4801.032	0.752274	1.263186	1.250207	6573.92
4802.162	0.755846	1.268273	1.249945	6601.12
4803.292	0.754615	1.27127	1.230662	7428.8
4804.422	0.756286	1.252604	1.211523	8459.72
4805.552	0.762429	1.230901	1.198822	9371.2
4806.682	0.765279	1.224173	1.193042	9737.28
4807.812	0.756546	1.22172	1.196392	9396.96
4808.943	0.747252	1.208758	1.193248	9711.24
4810.075	0.755921	1.201768	1.188319	10335.56
4811.206	0.75638	1.199541	1.187926	10394.88
4812.338	0.757921	1.202889	1.189877	10134.16

4813.469	0.764985	1.198266	1.184745	10617.56
4814.6	0.764382	1.200454	1.18181	10809.6
4815.732	0.762094	1.206299	1.180445	10877.96
4816.865	0.76148	1.201355	1.179204	11154.36
4817.998	0.760615	1.201414	1.183847	10931.28
4819.13	0.766371	1.194964	1.181576	11114.88
4820.263	0.765136	1.198268	1.180999	11232.56
4821.395	0.757798	1.203599	1.184966	11027.56
4822.528	0.759655	1.198376	1.188155	10747
4823.659	0.757957	1.191168	1.190521	10457.16
4824.79	0.74808	1.190934	1.188381	10448.28
4825.921	0.750379	1.194656	1.188588	10443.72
4827.051	0.75875	1.198197	1.189123	10513.8
4828.182	0.757667	1.203723	1.18493	10814.12
4829.313	0.757668	1.212861	1.183121	10811.32
4830.444	0.760453	1.216505	1.18307	10693.64
4831.569	0.757923	1.214339	1.185588	10625.88
4832.695	0.752631	1.224982	1.189186	10367.88
4833.821	0.752628	1.237565	1.192531	9960.48
4834.947	0.754493	1.241207	1.196081	9714.28
4836.072	0.750157	1.253713	1.203188	9208.76
4837.198	0.745254	1.272175	1.22108	8055.4
4838.321	0.748914	1.27513	1.223012	7920.88
4839.441	0.755312	1.266707	1.210509	8709.44
4840.56	0.748823	1.259997	1.217033	8420.92
4841.679	0.715832	1.265575	1.246196	6973.68
4842.799	0.704091	1.273087	1.280177	5590.96
4843.918	0.705992	1.279491	1.300713	4925.84
4845.038	0.693979	1.310051	1.326391	4249.68
4846.156	0.705817	1.344633	1.350612	3642.92
4847.274	0.723722	1.354494	1.348879	3647.92
4848.392	0.732316	1.349101	1.346974	3653.12
4849.51	0.729403	1.353043	1.353416	3536.08
4850.628	0.724141	1.357579	1.351983	3631
4851.746	0.730207	1.349226	1.352304	3644.88
4852.865	0.732614	1.364819	1.370756	3248.08
4853.988	0.714372	1.385338	1.398741	2764.4
4855.111	0.681862	1.388332	1.427629	2385.96
4856.234	0.689244	1.390651	1.428141	2370.36
4857.356	0.709264	1.378288	1.398447	2785.08
4858.479	0.689817	1.377424	1.408987	2651.56
4859.602	0.689581	1.3822	1.418842	2490.64
4860.729	0.700679	1.373301	1.384321	3006.24
4861.859	0.708887	1.380848	1.374154	3119.64

4862.99	0.714135	1.389403	1.385298	2937.76
4864.121	0.709874	1.39453	1.39543	2778.12
4865.252	0.684074	1.398462	1.415797	2474.2
4866.383	0.642717	1.408093	1.470735	1946.04
4867.514	0.599715	1.415079	1.510199	1592.72
4868.646	0.627645	1.400958	1.485764	1789.88
4869.778	0.655605	1.377204	1.439331	2264.44
4870.911	0.680195	1.381766	1.416293	2503.64
4872.043	0.72164	1.382794	1.378379	3125.16
4873.176	0.730016	1.36487	1.330909	3987.96
4874.309	0.733129	1.348665	1.30888	4487.52
4875.44	0.719556	1.333929	1.317565	4325
4876.566	0.692816	1.346072	1.381672	3152.72
4877.693	0.658134	1.345108	1.407117	2678.16
4878.819	0.657121	1.328963	1.385299	3000
4879.945	0.704822	1.329037	1.36356	3393.36
4881.071	0.722888	1.321478	1.32614	4212.6
4882.197	0.683544	1.301937	1.31369	4548.88
4883.319	0.651412	1.307715	1.370296	3444.72
4884.436	0.661075	1.327214	1.401346	2739.8
4885.552	0.688121	1.313765	1.340377	3984.12
4886.669	0.709908	1.315277	1.300029	4816.04
4887.786	0.669234	1.326704	1.354299	3674.08
4888.903	0.639761	1.34499	1.41098	2616.28
4890.02	0.649279	1.362445	1.42078	2495.16
4891.139	0.63407	1.347113	1.423666	2467.8
4892.26	0.658136	1.350404	1.39867	2794.68
4893.38	0.679657	1.354963	1.376708	3091.8
4894.501	0.667166	1.352085	1.395098	2820.68
4895.621	0.6733	1.352494	1.397142	2775.88
4896.742	0.682218	1.344317	1.369986	3271.72
4897.865	0.681913	1.327229	1.321752	4398.6
4899.006	0.685412	1.320611	1.297984	4867.88
4900.146	0.691799	1.293873	1.275194	5781.4
4901.286	0.699183	1.26529	1.24654	6997.36
4902.426	0.705407	1.266644	1.238832	7287.16
4903.567	0.701104	1.274049	1.258081	6425.2
4904.707	0.701392	1.276933	1.262828	6068.04
4905.857	0.719429	1.277181	1.240627	6801.4
4907.017	0.745153	1.283585	1.228029	7484.44
4908.177	0.753698	1.272765	1.218818	8036.8
4909.337	0.75126	1.250718	1.227089	7775.92
4910.497	0.758116	1.243029	1.224571	7897.24
4911.657	0.757305	1.244208	1.206277	8835.64

4912.817	0.748227	1.235654	1.19387	9710.08
4913.948	0.741494	1.237089	1.20113	9260.24
4915.075	0.744809	1.250484	1.21771	8230.8
4916.202	0.748261	1.257678	1.218759	8138.28
4917.328	0.737837	1.262296	1.224183	7867.32
4918.455	0.716752	1.276357	1.264632	6219.52
4919.582	0.711133	1.318847	1.334058	4161.12
4920.69	0.710398	1.347239	1.375997	3208.04
4921.72	0.689868	1.350823	1.393161	2910.68
4922.75	0.683538	1.358343	1.429944	2440.68
4923.78	0.698293	1.350466	1.403899	2890.76
4924.81	0.71904	1.34694	1.336061	3987.56
4925.84	0.722315	1.325386	1.27382	5822.8
4926.871	0.72809	1.296168	1.237123	7093.84
4927.829	0.729575	1.279435	1.231079	7495.96
4928.725	0.713523	1.299819	1.266433	6255.16
4929.621	0.721984	1.346774	1.324677	4157.24
4930.517	0.729965	1.347085	1.326587	4053.08
4931.414	0.739959	1.338174	1.304224	4662.08
4932.31	0.741308	1.33873	1.301655	4783.76
4933.206	0.725413	1.338093	1.317898	4389.32
4934.026	0.730996	1.332578	1.31077	4608.16
4934.836	0.744743	1.299153	1.276431	5752.36
4935.645	0.741709	1.278177	1.261351	6278.36
4936.455	0.752893	1.301539	1.277612	5630.96
4937.265	0.765277	1.32105	1.289831	5173.8
4938.074	0.753099	1.317456	1.297389	5036.08
4938.879	0.73012	1.327653	1.326	4314.6
4939.667	0.725096	1.327471	1.329843	4132.28
4940.454	0.729213	1.310429	1.301197	4866.4
4941.242	0.729235	1.308939	1.295945	4996.4
4942.029	0.737291	1.317349	1.300634	4820.52
4942.816	0.739093	1.306106	1.304121	4778.08
4943.604	0.739153	1.284055	1.281277	5601.24
4944.406	0.745651	1.278502	1.255372	6447.04
4945.22	0.746181	1.263201	1.238612	7302.32
4946.034	0.74712	1.27795	1.246216	6973.6
4946.848	0.758686	1.307982	1.271969	5838.4
4947.661	0.757473	1.302557	1.259766	6311.52
4948.475	0.749707	1.308321	1.255137	6395.36
4949.289	0.742927	1.316182	1.262229	6063.6
4950.123	0.743224	1.321622	1.267545	5896.16
4950.959	0.746273	1.320112	1.263855	6086.48
4951.795	0.741553	1.324231	1.257785	6232.32

4952.631	0.739989	1.326542	1.255194	6239.28
4953.467	0.743058	1.311743	1.242822	6848.8
4954.303	0.738815	1.303328	1.234464	7318.48
4955.14	0.73787	1.297699	1.2307	7524.2
4955.983	0.744974	1.2983	1.231805	7489.32
4956.827	0.739878	1.302458	1.235303	7273.44
4957.67	0.736249	1.297556	1.234322	7361.2
4958.513	0.743628	1.293017	1.232196	7516.24
4959.356	0.747608	1.298864	1.230817	7518.88
4960.2	0.753543	1.314831	1.23159	7375.08
4961.04	0.762946	1.329931	1.22968	7289.72
4961.879	0.757895	1.3351	1.225382	7393.92
4962.718	0.750353	1.336187	1.228523	7254.4
4963.557	0.747252	1.329429	1.231823	7135.96
4964.396	0.746293	1.317223	1.228111	7424.32
4965.235	0.751572	1.299431	1.216852	8184.6
4966.074	0.751105	1.291348	1.210596	8557.88
4966.908	0.757517	1.297506	1.218707	8082.96
4967.742	0.769278	1.305408	1.219313	7969.64
4968.576	0.771385	1.32178	1.211896	8137.44
4969.41	0.769502	1.331376	1.207426	8288.8
4970.245	0.772766	1.338483	1.206722	8196.16
4971.079	0.779248	1.340754	1.204319	8215.32
4971.912	0.777353	1.332104	1.195701	8750
4972.743	0.774703	1.323539	1.193275	8945.4
4973.575	0.767851	1.311265	1.197236	8870.48
4974.406	0.751214	1.281399	1.186691	9926.64
4975.237	0.738347	1.257523	1.178458	10686.72
4976.068	0.737595	1.25577	1.183724	10344.48
4976.9	0.744616	1.253855	1.187303	10045.08
4977.73	0.747729	1.253006	1.187519	9961.2
4978.559	0.745502	1.25101	1.182025	10498.16
4979.389	0.733117	1.248766	1.183122	10514.88
4980.218	0.727397	1.25216	1.187842	10111.88
4981.047	0.734994	1.25616	1.18577	10121.44
4981.877	0.738551	1.25623	1.181634	10350.44
4982.706	0.73212	1.248604	1.177024	10829.6
4983.532	0.72929	1.246119	1.186791	10332.64
4984.357	0.726771	1.245096	1.198646	9582.24
4985.183	0.722422	1.246717	1.204435	9250.88
4986.009	0.7139	1.223472	1.199829	9796.76
4986.834	0.71179	1.187255	1.186155	10976.52
4987.66	0.716772	1.191853	1.188501	10817.12
4988.483	0.721406	1.211246	1.195614	10131.88

4989.303	0.727219	1.222147	1.186608	10461.28
4990.122	0.732666	1.232096	1.173104	11289
4990.941	0.740329	1.228396	1.157707	12757.6
4991.76	0.73581	1.210452	1.153863	13400.44
4992.579	0.725037	1.181408	1.165132	12685.92
4993.399	0.728328	1.172829	1.160603	12923.68
4994.213	0.743087	1.187625	1.146771	14026.92
4995.025	0.758103	1.191491	1.136853	15038.2
4995.837	0.764738	1.192701	1.134257	15121.92
4996.648	0.757162	1.208108	1.145319	13886
4997.46	0.741824	1.22824	1.162599	12258.72
4998.272	0.738675	1.258219	1.176649	10849.76
4999.084	0.74048	1.287684	1.181998	10055.68
4999.892	0.732496	1.289269	1.188106	9651.8
5000.7	0.7294	1.277624	1.196188	9313.44
5001.508	0.733556	1.260062	1.196437	9510.32
5002.317	0.730893	1.233784	1.19457	9768.48
5003.125	0.73142	1.205114	1.183326	10756.48
5003.933	0.740165	1.173374	1.160398	12924.88
5004.742	0.753352	1.153147	1.143978	14712.04
5005.552	0.773335	1.135071	1.131715	16780.4
5006.362	0.774115	1.114303	1.130121	17225.08
5007.171	0.755396	1.122252	1.147764	14599.2
5007.981	0.743261	1.151222	1.168587	11970.96
5008.791	0.735837	1.14777	1.170788	11932.12
5009.601	0.743761	1.136861	1.152378	13971.4
5010.414	0.75762	1.1279	1.134642	15945.16
5011.228	0.762347	1.118469	1.129868	16579.72
5012.043	0.764151	1.120251	1.125745	16902.8
5012.857	0.760067	1.116762	1.130593	16346.12
5013.672	0.741767	1.116667	1.146811	14541.6
5014.487	0.726217	1.139842	1.159751	13092.48
5015.301	0.723266	1.172608	1.175133	11681.44
5016.118	0.710772	1.166231	1.190844	10501.16
5016.934	0.696778	1.1449	1.201851	9864.16
5017.75	0.703499	1.134226	1.194783	10214
5018.567	0.717397	1.139815	1.189025	10514.84
5019.383	0.725794	1.140739	1.188783	10643.88
5020.2	0.726809	1.127991	1.180642	11101.28
5021.015	0.728314	1.121125	1.170199	12023.56
5021.829	0.725302	1.112256	1.162683	12787.2
5022.643	0.724551	1.09804	1.156366	13494.56
5023.457	0.727383	1.091713	1.151214	14008.76
5024.271	0.71554	1.106956	1.158485	13123.84

5025.085	0.71913	1.115028	1.166072	12433.84
5025.899	0.727989	1.109841	1.16436	12592.84
5026.709	0.729398	1.110249	1.161186	12869.72
5027.518	0.73294	1.123621	1.167567	12324.76
5028.327	0.744979	1.114399	1.165075	12667.92
5029.135	0.755946	1.093663	1.148681	14526.44
5029.944	0.759653	1.10062	1.141947	15305.88
5030.752	0.75784	1.11375	1.146382	14795.68
5031.561	0.747674	1.145592	1.162165	12993.8
5032.365	0.73835	1.206821	1.186119	10589.52
5033.169	0.730825	1.240115	1.194792	9727.6
5033.973	0.72783	1.243218	1.191466	9816.76
5034.777	0.730098	1.233741	1.187899	10088.56
5035.582	0.73484	1.222739	1.184201	10464.32
5036.386	0.734634	1.214734	1.17817	10936.6
5037.189	0.734745	1.205869	1.1684	11723.32
5037.991	0.740718	1.20325	1.159175	12538.28
5038.793	0.743763	1.203931	1.160387	12332.04
5039.594	0.745207	1.197068	1.156779	12708.68
5040.396	0.756492	1.189564	1.150848	13387.68
5041.198	0.762313	1.199725	1.156527	12848.04
5042	0.751971	1.216335	1.172522	11524.96
5042.802	0.733006	1.235209	1.196532	9751.96
5043.603	0.715095	1.243497	1.212746	8682.32
5044.405	0.705555	1.236085	1.217165	8394.32
5045.206	0.71312	1.219424	1.213999	8679.52
5046.008	0.724725	1.206359	1.20514	9293.56
5046.809	0.728805	1.188806	1.192231	10203.88
5047.611	0.736334	1.187432	1.189042	10423.92
5048.415	0.735077	1.226241	1.199563	9493.24
5049.22	0.726142	1.223692	1.202222	9326.04
5050.024	0.729247	1.188727	1.201768	9438.44
5050.828	0.731211	1.182398	1.186769	10505.88
5051.632	0.736735	1.198293	1.169157	11737.84
5052.436	0.749182	1.220498	1.168148	11603.08
5053.243	0.752112	1.244852	1.170951	11142.2
5054.052	0.750807	1.272696	1.174895	10475.76
5054.862	0.74971	1.299682	1.18218	9626.44
5055.672	0.748373	1.335939	1.203687	8157.6
5056.481	0.750588	1.371414	1.228037	6807.48
5057.291	0.74325	1.352007	1.225794	7158.8
5058.101	0.728677	1.308183	1.219293	7641.44
5058.916	0.730163	1.290626	1.219519	7766.28
5059.733	0.741429	1.283125	1.212465	8260.12

5060.55	0.756089	1.258575	1.192388	9531.4
5061.367	0.764198	1.241018	1.182233	10330
5062.184	0.742997	1.259113	1.206873	8821.4
5063.001	0.725646	1.246959	1.233571	7436.92
5063.818	0.715269	1.255903	1.274976	6005.04
5064.639	0.690404	1.336183	1.35788	3695.84
5065.461	0.6576	1.392808	1.39476	2734.88
5066.282	0.678264	1.361564	1.330014	4058.76
5067.103	0.722419	1.302768	1.249523	6627.76
5067.925	0.735932	1.289944	1.243777	6981
5068.746	0.737439	1.286045	1.247359	6753.44
5069.568	0.741219	1.291325	1.234163	7164.8
5070.39	0.734503	1.294356	1.232313	7304.52
5071.212	0.730568	1.262974	1.231369	7635.12
5072.034	0.744425	1.212799	1.224342	8344.28
5072.856	0.749406	1.201489	1.220821	8553.76
5073.678	0.748551	1.236574	1.234661	7623.76
5074.5	0.744153	1.25767	1.249923	6796.28
5075.32	0.753067	1.294011	1.259242	6253.4
5076.139	0.76262	1.330535	1.251278	6432.76
5076.958	0.768828	1.356027	1.250057	6332.08
5077.778	0.771263	1.366576	1.250053	6199.92
5078.597	0.769984	1.368218	1.250192	6119.4
5079.417	0.774163	1.365688	1.257476	5874.6
5080.235	0.767988	1.35257	1.249198	6290.68
5081.051	0.764623	1.343046	1.231471	7012.04
5081.866	0.770934	1.331651	1.223959	7357.48
5082.681	0.765388	1.316504	1.213936	8021.96
5083.496	0.75793	1.313497	1.204546	8574.36
5084.311	0.762958	1.324458	1.205407	8382.48
5085.127	0.75435	1.327519	1.203741	8359.32
5085.939	0.749145	1.321637	1.203177	8305.32
5086.749	0.751909	1.301163	1.193313	9096.76
5087.559	0.754398	1.290784	1.181014	9935.68
5088.369	0.761004	1.286332	1.17102	10704.92
5089.179	0.763641	1.283226	1.171741	10662.72
5089.989	0.763649	1.292447	1.185738	9574.2
5090.799	0.761844	1.287712	1.194589	9188.8
5091.604	0.759312	1.282426	1.214695	8241.2
5092.408	0.750636	1.281615	1.237871	7175.56
5093.211	0.746668	1.281234	1.244014	6973.56
5094.015	0.750663	1.286601	1.246128	6847.56
5094.819	0.735269	1.263048	1.220946	8477.8
5095.622	0.732623	1.249165	1.203211	9460.12

5096.424	0.742747	1.259661	1.209643	8900.52
5097.22	0.730806	1.272879	1.205315	8982.68
5098.015	0.723774	1.287286	1.197822	9194.68
5098.811	0.727893	1.286058	1.184571	9987.24
5099.606	0.733277	1.268256	1.174829	10714.16
5100.401	0.737086	1.237508	1.172147	11312.72
5101.197	0.737074	1.191637	1.160739	12943.96
5101.987	0.743206	1.177064	1.159672	13140.6
5102.772	0.74622	1.198997	1.178656	11334.8
5103.558	0.732983	1.1766	1.183328	11181.4
5104.343	0.724874	1.140945	1.184286	11253.6
5105.128	0.733633	1.13804	1.184036	11158.4
5105.914	0.741263	1.153085	1.172787	12055.52
5106.699	0.739123	1.185628	1.175878	11636.72
5107.477	0.742703	1.22069	1.188618	10412.72
5108.252	0.747574	1.220252	1.189033	10343.8
5109.028	0.736747	1.205066	1.192858	10160.16
5109.804	0.725684	1.202651	1.201769	9583.16
5110.58	0.72133	1.210462	1.212912	8877.88
5111.356	0.713176	1.235557	1.223408	8059.36
5112.132	0.707003	1.281216	1.234801	7320.96
5112.908	0.701641	1.345825	1.26583	5913.44
5113.684	0.696283	1.356866	1.283098	5211.76
5114.46	0.692454	1.279956	1.26881	5980.32
5115.237	0.705756	1.211392	1.253007	6859.28
5116.013	0.718513	1.201237	1.242084	7422.32
5116.789	0.730787	1.216278	1.226633	8157.24
5117.571	0.739049	1.218652	1.220428	8542
5118.36	0.719885	1.225928	1.219467	8582.36
5119.148	0.706254	1.233472	1.20958	9070.2
5119.936	0.709014	1.236762	1.196356	9851
5120.725	0.719084	1.259166	1.193541	9781.56
5121.513	0.715682	1.296492	1.209057	8562.2
5122.301	0.724409	1.331346	1.213241	7939.48
5123.107	0.747771	1.343484	1.199734	8389.16
5123.916	0.753164	1.340807	1.188681	8886.48
5124.725	0.753974	1.33528	1.180567	9428.92
5125.533	0.754413	1.335318	1.17457	9714.68
5126.342	0.751531	1.323962	1.168074	10161.84
5127.15	0.750181	1.299673	1.159881	11061.24
5127.962	0.745282	1.260344	1.14166	13272.08
5128.785	0.742936	1.226108	1.134218	14543.68
5129.609	0.741666	1.217885	1.142693	13960.2
5130.432	0.747107	1.20678	1.141316	14281.52

5131.255	0.755975	1.189773	1.13793	14783.32
5132.078	0.762479	1.174684	1.128586	15981.32
5132.901	0.763527	1.15609	1.118302	17441.32
5133.728	0.751672	1.134418	1.119628	17602.48
5134.556	0.753007	1.123217	1.122353	17569.72
5135.385	0.759509	1.134401	1.121186	17669.52
5136.214	0.759413	1.147826	1.117847	17702.68
5137.043	0.758043	1.150204	1.119617	17166.88
5137.871	0.75221	1.162379	1.128245	15911.6
5138.7	0.748004	1.152635	1.130197	15687.16
5139.527	0.748346	1.114437	1.12709	16383.92
5140.354	0.745878	1.097521	1.132172	16059.48
5141.181	0.74378	1.127306	1.151697	13825.84
5142.008	0.743243	1.139554	1.168569	12162.72
5142.835	0.738529	1.116801	1.16677	12507.72
5143.662	0.735732	1.125005	1.165673	12651.64
5144.488	0.733157	1.147451	1.171846	11955.28
5145.313	0.733881	1.172533	1.181482	11043.32
5146.138	0.744181	1.226775	1.195539	9821.72
5146.962	0.734289	1.270272	1.202838	8876.68
5147.787	0.718708	1.277064	1.207272	8567.2
5148.612	0.728264	1.248551	1.203071	9096.92
5149.436	0.740974	1.220789	1.199816	9474.92
5150.26	0.745031	1.236323	1.211112	8831.28
5151.083	0.730255	1.26178	1.234079	7493.88
5151.907	0.718293	1.262697	1.249743	6713.44
5152.73	0.717623	1.259433	1.251735	6741.8
5153.553	0.71022	1.270234	1.250523	6797.8
5154.377	0.711817	1.282537	1.239098	7152.04
5155.2	0.718644	1.26678	1.210253	8714.4
5156.023	0.731266	1.250773	1.186746	10123.64
5156.845	0.745442	1.258319	1.176152	10671.04
5157.668	0.743641	1.260715	1.170966	10940.36
5158.49	0.748246	1.270652	1.177809	10370.04
5159.313	0.754811	1.276587	1.180468	10078.2
5160.135	0.753411	1.253916	1.178876	10423.12
5160.957	0.748979	1.21611	1.170879	11428.56
5161.778	0.745634	1.207066	1.166771	11718.08
5162.599	0.738652	1.222671	1.168558	11466.8
5163.419	0.730015	1.218331	1.168532	11560.4
5164.24	0.737921	1.203959	1.174258	11261.32
5165.06	0.748644	1.204983	1.175772	11261.04
5165.881	0.74992	1.211508	1.174083	11320.84
5166.699	0.747089	1.229244	1.178525	10872.04

5167.516	0.741593	1.240679	1.183045	10529.28
5168.333	0.738536	1.241123	1.18404	10544.2
5169.149	0.743866	1.247622	1.177629	10994.24
5169.966	0.750708	1.25068	1.168319	11422.44
5170.783	0.763244	1.257396	1.160064	12029.04
5171.6	0.772584	1.259974	1.155362	12635.96
5172.412	0.753224	1.264439	1.173669	11319.16
5173.224	0.73462	1.276213	1.190741	9724.36
5174.036	0.734754	1.281688	1.191583	9302.52
5174.848	0.732301	1.285657	1.186705	9559.44
5175.661	0.734766	1.28394	1.178182	10193.6
5176.473	0.745734	1.266465	1.165625	11285.72
5177.284	0.745018	1.251236	1.161289	11693.44
5178.093	0.737841	1.255618	1.16349	11477.68
5178.902	0.737486	1.291792	1.179814	10035.2
5179.711	0.733844	1.331242	1.209604	7828.32
5180.52	0.714286	1.323777	1.206679	8114.4
5181.33	0.702943	1.315	1.211098	7879.52
5182.139	0.69569	1.305744	1.223351	7268.04
5182.948	0.689369	1.284501	1.210041	8085.76
5183.756	0.707749	1.271168	1.185298	9464.44
5184.565	0.735187	1.254154	1.162382	11132.2
5185.374	0.75378	1.233739	1.156478	11965
5186.183	0.754431	1.220343	1.158027	12175.56
5186.991	0.746256	1.201303	1.157398	12467.88
5187.8	0.740254	1.184125	1.163948	12193.76
5188.61	0.737799	1.194005	1.164624	12031.04
5189.42	0.741524	1.227077	1.164458	11656.92
5190.23	0.741278	1.252234	1.175172	10764.88
5191.04	0.728822	1.253019	1.189862	9847.44
5191.85	0.726569	1.244991	1.205225	8846.68
5192.66	0.735194	1.252928	1.216751	8188.8
5193.471	0.734863	1.274876	1.228914	7543.04
5194.281	0.738297	1.297295	1.242764	6784.64
5195.092	0.73451	1.311369	1.255945	6231.4
5195.902	0.742979	1.318917	1.264146	5987.68
5196.713	0.759901	1.326505	1.264108	5933.52
5197.523	0.744455	1.327722	1.247657	6435.32
5198.334	0.740226	1.344902	1.237806	6565.12
5199.144	0.767337	1.362366	1.232924	6627.84
5199.953	0.784024	1.365101	1.226574	6921.52
5200.762	0.770665	1.342644	1.204692	8150.64
5201.572	0.767223	1.331696	1.194215	8617.04
5202.381	0.776086	1.331691	1.20366	8117.68

5203.191	0.774388	1.313185	1.204131	8372.56
5204	0.772277	1.289217	1.193906	9252.12
5204.807	0.774791	1.26946	1.18017	10165.8
5205.614	0.76767	1.263832	1.171574	10764.32
5206.421	0.76094	1.27059	1.166641	10974.48
5207.228	0.757874	1.284537	1.172154	10312.56
5208.035	0.749003	1.280055	1.172596	10347.28
5208.842	0.752588	1.266512	1.166929	10888.52
5209.648	0.752386	1.248738	1.153772	12050.4
5210.453	0.747461	1.236731	1.145798	12870.88
5211.258	0.750378	1.255504	1.161301	11420.8
5212.063	0.748358	1.256382	1.164197	11103.2
5212.868	0.752151	1.254267	1.166838	11063.32
5213.672	0.756422	1.254519	1.171259	10765.76
5214.477	0.745882	1.240412	1.163125	11510.8
5215.281	0.742839	1.238793	1.158986	11780.48
5216.084	0.747285	1.240539	1.155373	12045.16
5216.887	0.752599	1.245564	1.15869	11720.68
5217.69	0.756508	1.242224	1.162557	11406.52
5218.494	0.751239	1.239186	1.167496	11217.36
5219.297	0.744075	1.257766	1.185163	9920.6
5220.1	0.738225	1.274016	1.195935	9086.56
5220.902	0.739031	1.273041	1.195235	9138
5221.704	0.739222	1.263485	1.187724	9669.52
5222.506	0.735778	1.256613	1.181627	10132.8
5223.308	0.736924	1.257084	1.183624	10058.32
5224.109	0.733708	1.249521	1.171913	11083.4
5224.911	0.723829	1.248494	1.167004	11410.92
5225.713	0.721038	1.238634	1.162932	11919.12
5226.513	0.728037	1.22328	1.154367	12679.48
5227.313	0.732448	1.229058	1.161383	11849.24
5228.113	0.738273	1.239658	1.169706	11130.44
5228.913	0.744959	1.244294	1.169536	11172.6
5229.714	0.73856	1.232801	1.156498	12303.04
5230.514	0.73302	1.231052	1.155979	12355.2
5231.313	0.740389	1.250437	1.168485	11192.72
5232.11	0.739838	1.254143	1.183567	10058.92
5232.908	0.741601	1.241133	1.192476	9557.6
5233.706	0.746148	1.229485	1.184244	10354.08
5234.504	0.732501	1.22024	1.175358	11131.68
5235.302	0.7132	1.217906	1.17461	11304.04
5236.1	0.715995	1.22181	1.177005	10976.32
5236.896	0.715961	1.234872	1.182318	10282.56
5237.692	0.712201	1.236876	1.185111	10187.08

5238.488	0.717582	1.235821	1.185187	10369.76
5239.284	0.716845	1.232928	1.185146	10502.64
5240.08	0.713121	1.212234	1.179858	11065.6
5240.876	0.707449	1.211614	1.186234	10444.12
5241.673	0.700218	1.215403	1.211585	8747.76
5242.471	0.705674	1.212216	1.215298	8511.28
5243.269	0.732162	1.207751	1.201633	9894.4
5244.067	0.743507	1.204799	1.194795	10540.68
5244.866	0.725738	1.206204	1.198701	9536.6
5245.664	0.703272	1.202478	1.215578	8421.6
5246.462	0.700175	1.189732	1.214927	8661.56
5247.266	0.707901	1.186396	1.206296	9089.08
5248.071	0.707682	1.221218	1.211115	8712.64
5248.877	0.711731	1.202004	1.193524	10241.84
5249.683	0.709868	1.158108	1.173336	11937.16
5250.488	0.703943	1.179259	1.190404	10624.48
5251.294	0.703765	1.195096	1.203074	9477.92
5252.1	0.713426	1.194412	1.184339	10707.68
5252.917	0.724468	1.179805	1.16965	12012.88
5253.734	0.723225	1.160392	1.17639	11686.84
5254.551	0.716553	1.146106	1.179775	11430.64
5255.368	0.72296	1.129625	1.172265	12061.4
5256.185	0.730642	1.12844	1.171725	12180.84
5257.001	0.72139	1.143945	1.170668	12213.72
5257.822	0.724091	1.148285	1.161544	12921.76
5258.648	0.729682	1.150743	1.161557	12870.68
5259.474	0.718364	1.133199	1.157682	13269.72
5260.3	0.704763	1.118629	1.162296	12912.04
5261.126	0.69574	1.125984	1.174055	11864.28
5261.952	0.689506	1.141453	1.184186	11013.52
5262.778	0.701915	1.156134	1.187202	10666.6
5263.609	0.713282	1.167291	1.184162	10724.44
5264.441	0.714776	1.16785	1.18545	10638.2
5265.273	0.716216	1.152721	1.186555	10799.2
5266.104	0.711114	1.151005	1.194557	10251.56
5266.936	0.701141	1.144569	1.198913	10012.8
5267.768	0.708299	1.138547	1.189576	10710.68
5268.6	0.715785	1.151789	1.189309	10591.2
5269.435	0.714355	1.151402	1.187577	10764.76
5270.269	0.711727	1.141656	1.181346	11278.6
5271.104	0.710656	1.147588	1.187735	10750.16
5271.938	0.708716	1.165011	1.191626	10416.32
5272.773	0.706181	1.17269	1.188896	10569.16
5273.607	0.712359	1.192768	1.201514	9521.4

5274.442	0.73148	1.220182	1.208456	8935.64
5275.277	0.737321	1.22226	1.204649	9270.68
5276.113	0.734497	1.229556	1.206754	9028.68
5276.948	0.732464	1.233047	1.206164	9028.92
5277.784	0.73366	1.214312	1.209247	9095.52
5278.619	0.726605	1.201878	1.209346	8997.56
5279.455	0.724026	1.194549	1.199825	9579.68
5280.29	0.719529	1.18491	1.186678	10713.28
5281.125	0.713276	1.200241	1.192098	10226.12
5281.96	0.711937	1.223961	1.201378	9363.24
5282.795	0.712016	1.230785	1.198127	9571.44
5283.63	0.717952	1.2367	1.207794	9043.72
5284.465	0.706102	1.241385	1.219531	8260.68
5285.3	0.689786	1.236104	1.219471	8314.92
5286.133	0.691897	1.220561	1.212373	8924.64
5286.966	0.696241	1.203188	1.213159	8895.48
5287.798	0.710231	1.200745	1.209178	9123.56
5288.631	0.719923	1.211383	1.19291	10157.52
5289.464	0.71446	1.224763	1.190374	10230.68
5290.297	0.72576	1.240968	1.198837	9551.64
5291.127	0.728751	1.254455	1.201087	9348
5291.954	0.717491	1.262709	1.200435	9206.4
5292.78	0.722947	1.270015	1.202034	9018.64
5293.607	0.725041	1.262148	1.197254	9360.64
5294.434	0.718732	1.244952	1.190474	9932.24
5295.26	0.72014	1.23531	1.183505	10530.12
5296.087	0.72375	1.229222	1.186368	10252.68
5296.905	0.717066	1.212583	1.186609	10428.88
5297.721	0.70874	1.200628	1.184211	10759.44
5298.537	0.692813	1.195932	1.183261	10934.84
5299.353	0.69166	1.187129	1.177901	11500.32
5300.169	0.71297	1.193532	1.183432	11042.44
5300.985	0.716038	1.205315	1.184331	10933.68
5301.799	0.704371	1.19902	1.181878	11137.92
5302.603	0.701705	1.18985	1.187947	10663.8
5303.406	0.702861	1.18302	1.191148	10365.32
5304.21	0.706389	1.169956	1.180535	11252.24
5305.013	0.712096	1.156643	1.162893	12937.76
5305.816	0.711652	1.160368	1.159368	13204
5306.62	0.710398	1.176889	1.165458	12441.12
5307.422	0.71142	1.167035	1.158497	13121.2
5308.223	0.72156	1.140613	1.144875	14768.96
5309.023	0.727042	1.115994	1.137392	16003.84
5309.824	0.726864	1.112429	1.133026	16527.32

5310.625	0.733417	1.120601	1.133247	16198.68
5311.425	0.737189	1.102652	1.129931	16795.16
5312.226	0.734964	1.103446	1.133085	16471.68
5313.035	0.729196	1.104007	1.136042	15962.72
5313.845	0.730238	1.069228	1.122717	17808.52
5314.656	0.733684	1.078636	1.122566	17826.52
5315.466	0.729565	1.097107	1.133457	16556.12
5316.277	0.729452	1.094267	1.13314	16450.8
5317.088	0.742935	1.081379	1.11982	18196
5317.902	0.7496	1.063682	1.110351	19710.76
5318.731	0.749376	1.063459	1.107998	19797.96
5319.56	0.750763	1.073541	1.11063	19315.88
5320.39	0.741706	1.106019	1.131941	16741.84
5321.219	0.730617	1.112921	1.147655	14928.44
5322.048	0.723259	1.098432	1.145385	15308.32
5322.877	0.72253	1.115833	1.145552	14907.76
5323.712	0.720204	1.122291	1.149475	13960.72
5324.552	0.723294	1.117507	1.144078	14710.24
5325.391	0.73439	1.118606	1.133549	16276
5326.23	0.736443	1.115525	1.127412	17026.2
5327.07	0.735285	1.114828	1.129423	16775.16
5327.909	0.738174	1.114258	1.131144	16685.16
5328.748	0.733025	1.109499	1.129934	16675.32
5329.585	0.717296	1.11256	1.140733	15556.32
5330.421	0.709095	1.148713	1.161155	13367.96
5331.257	0.70509	1.187918	1.185074	10797.56
5332.093	0.70302	1.194167	1.196672	10012.44
5332.929	0.705409	1.15596	1.18839	11090.72
5333.765	0.712787	1.119272	1.173413	12440.8
5334.599	0.734569	1.094294	1.146136	15165.04
5335.422	0.748419	1.066523	1.123646	17832.72
5336.245	0.746594	1.051139	1.121675	18264.6
5337.068	0.749672	1.062332	1.123949	18158.04
5337.891	0.757215	1.080601	1.118303	19029.88
5338.714	0.760817	1.102703	1.120791	18469.8
5339.537	0.754527	1.136467	1.150828	14233.56
5340.356	0.730598	1.159936	1.194602	9953.72
5341.173	0.714955	1.155519	1.195775	10331.04
5341.989	0.714775	1.150105	1.182222	11539.48
5342.806	0.716833	1.144358	1.184629	11557.12
5343.622	0.726452	1.115996	1.169889	12951.56
5344.438	0.736039	1.089764	1.143488	15542.76
5345.255	0.744165	1.095523	1.13776	16350.04
5346.075	0.742516	1.139459	1.163099	13642.84

5346.896	0.732972	1.150667	1.168437	12586.88
5347.716	0.735915	1.09939	1.148121	14671.88
5348.537	0.739671	1.076925	1.13641	16278.72
5349.357	0.738989	1.092145	1.138968	16084.56
5350.178	0.730177	1.086797	1.144279	15333.32
5351.001	0.723806	1.075852	1.146154	14922.24
5351.834	0.726991	1.081839	1.144092	15085.92
5352.666	0.728321	1.08142	1.139695	15597.32
5353.499	0.729032	1.078948	1.135541	16063.64
5354.331	0.724055	1.089178	1.13677	15937.92
5355.164	0.715793	1.092281	1.13805	15845.32
5355.996	0.723547	1.09321	1.134103	16361.36
5356.832	0.737072	1.082523	1.131677	16646.88
5357.671	0.742164	1.066154	1.127733	17320.16
5358.509	0.739151	1.054495	1.123218	18125.68
5359.347	0.734389	1.052763	1.125589	18030.84
5360.186	0.730647	1.069189	1.125037	17947.04
5361.024	0.730275	1.080496	1.124833	17556.52
5361.862	0.724658	1.076764	1.126245	17402.36
5362.697	0.71591	1.075633	1.125763	17581.64
5363.531	0.72305	1.092347	1.130594	16643.28
5364.365	0.730633	1.115118	1.133286	15745.88
5365.199	0.725485	1.1433	1.13905	14682.72
5366.033	0.716341	1.166474	1.150949	13571.36
5366.867	0.71568	1.163785	1.150148	14045.04
5367.698	0.729861	1.149857	1.13754	15403.36
5368.521	0.74027	1.133977	1.129124	16414.04
5369.343	0.730993	1.114896	1.123591	17235.68
5370.165	0.720326	1.107517	1.127412	16849.36
5370.988	0.718738	1.111563	1.135365	15908
5371.81	0.719179	1.115368	1.139091	15314.64
5372.632	0.716836	1.113752	1.139763	15382.2
5373.449	0.71509	1.099943	1.138691	15779.96
5374.262	0.710012	1.077655	1.133957	16368.08
5375.076	0.713039	1.067847	1.120097	18010.4
5375.889	0.729561	1.080806	1.108026	19689.36
5376.702	0.742749	1.104785	1.108694	19717.24
5377.516	0.739002	1.126337	1.122173	17937.52
5378.329	0.732578	1.149584	1.131293	16413.24
5379.139	0.738009	1.148291	1.12558	16920.6
5379.949	0.742407	1.111868	1.112298	19057.16
5380.759	0.746784	1.104	1.1093	19420.24
5381.57	0.743047	1.1237	1.115961	18067.16
5382.38	0.736796	1.127907	1.116453	18116.08

5383.19	0.740507	1.12289	1.119603	18146.24
5384	0.734548	1.11255	1.123249	17714.2
5384.812	0.733335	1.100647	1.117859	18221.88
5385.623	0.741659	1.110914	1.119331	17814.4
5386.434	0.736333	1.127654	1.127236	16682
5387.246	0.734423	1.13525	1.126864	16876.48
5388.057	0.736208	1.124524	1.129075	16572.32
5388.868	0.735233	1.097886	1.120049	17876.56
5389.68	0.740961	1.09489	1.106764	19536.76
5390.491	0.74907	1.102278	1.106286	19567.32
5391.302	0.747561	1.105877	1.109982	19245.44
5392.113	0.746864	1.108435	1.108447	19377.08
5392.924	0.759409	1.108579	1.102197	20476
5393.735	0.773414	1.096037	1.095896	23195.68
5394.547	0.780536	1.084853	1.090907	24734.08
5395.354	0.769854	1.093478	1.098139	21255.08
5396.162	0.756177	1.100195	1.115241	16801.24
5396.97	0.720412	1.078857	1.147206	13104.08
5397.778	0.679136	1.0812	1.172804	11458.8
5398.585	0.688903	1.124826	1.18415	11013.56
5399.393	0.701169	1.121861	1.181307	11232.12
5400.199	0.71188	1.088145	1.170814	12421.84
5401.001	0.723648	1.063699	1.156933	13841.28
5401.803	0.726532	1.047485	1.129946	16693.68
5402.606	0.731499	1.052854	1.121138	17898.6
5403.408	0.72319	1.075182	1.141683	15656.72
5404.21	0.721473	1.067969	1.145944	15027.28
5405.012	0.732778	1.032151	1.128024	17049.52
5405.812	0.74071	1.015359	1.111943	19604.96
5406.611	0.742672	1.008558	1.105212	20807.4
5407.41	0.751267	1.012706	1.100515	21578.04
5408.209	0.760047	1.037197	1.097197	21903.92
5409.008	0.759864	1.045914	1.1007	20901.8
5409.807	0.754805	1.045023	1.106188	20075.04
5410.605	0.745943	1.054098	1.110063	19465.32
5411.405	0.741297	1.057073	1.108987	19568.44
5412.204	0.744367	1.047106	1.105664	20302.24
5413.003	0.739347	1.064361	1.109474	19518.4
5413.802	0.734587	1.097422	1.121755	17551.96
5414.601	0.731517	1.110433	1.135556	15915.52
5415.4	0.734533	1.130266	1.143111	14899.96
5416.201	0.737325	1.136884	1.135673	15518.08
5417.003	0.736107	1.119269	1.126916	16650.48
5417.805	0.746112	1.113597	1.125589	16909.52

5418.608	0.757806	1.110004	1.11377	18365.28
5419.41	0.75911	1.112946	1.103389	19857.6
5420.212	0.748787	1.119338	1.108699	19140.6
5421.015	0.736045	1.12771	1.122419	17243.04
5421.819	0.735914	1.140649	1.130345	16455.24
5422.624	0.739758	1.138733	1.12966	16977.16
5423.429	0.730145	1.129359	1.128704	17222.04
5424.235	0.725255	1.136224	1.126617	17067.52
5425.04	0.727583	1.124734	1.124756	16933.88
5425.845	0.730147	1.088729	1.118872	17675.68
5426.651	0.735597	1.08885	1.1148	18308.32
5427.458	0.738112	1.103836	1.116091	18326.24
5428.265	0.737392	1.098973	1.118628	17903.68
5429.072	0.729943	1.083777	1.118207	17728.68
5429.879	0.731968	1.064449	1.115071	18383.8
5430.686	0.73767	1.062837	1.112309	19062.52
5431.493	0.73448	1.071247	1.112986	19193.92
5432.3	0.733779	1.065927	1.114397	19075.08
5433.108	0.731167	1.054909	1.115155	19035.96
5433.916	0.722479	1.055776	1.113975	19212.16
5434.724	0.72234	1.058036	1.114679	19188.6
5435.532	0.734221	1.055367	1.111881	19844.44
5436.34	0.739213	1.062635	1.108247	20230.48
5437.148	0.73187	1.069088	1.112043	19603.16
5437.957	0.735158	1.074628	1.112507	19338.44
5438.767	0.735256	1.074388	1.115981	18438.32
5439.576	0.727029	1.067376	1.117515	18298.76
5440.386	0.731016	1.072735	1.10714	20075
5441.195	0.741386	1.080221	1.099417	21383.28
5442.005	0.750418	1.066052	1.094203	22532.08
5442.814	0.749724	1.056534	1.091875	22724.08
5443.626	0.742374	1.070296	1.10211	20641.84
5444.439	0.738829	1.084099	1.116809	18563.4
5445.251	0.725407	1.087597	1.127658	17076.76
5446.063	0.718983	1.088351	1.121869	17896.88
5446.875	0.730348	1.107203	1.110261	19427.64
5447.687	0.732955	1.13033	1.109804	19012.12
5448.501	0.724745	1.123596	1.113978	18733.2
5449.316	0.720452	1.106254	1.123129	18097.88
5450.131	0.714523	1.113848	1.139224	15939.76
5450.946	0.734531	1.120191	1.144527	14843.88
5451.762	0.747076	1.115169	1.13475	15938.36
5452.577	0.727774	1.103266	1.12786	16863.88
5453.392	0.724715	1.071337	1.120226	18045.88

5454.208	0.732488	1.049403	1.109633	19893.4
5455.024	0.734469	1.054381	1.10723	20469.76
5455.84	0.728902	1.066346	1.116882	19028.2
5456.656	0.721194	1.085899	1.128316	17349.52
5457.472	0.716745	1.091559	1.136193	16319.32
5458.288	0.712311	1.070498	1.134349	16549.92
5459.104	0.713491	1.058045	1.125635	17702.6
5459.918	0.716854	1.059405	1.121017	18373.6
5460.732	0.723907	1.059802	1.11679	18711.08
5461.546	0.731141	1.058644	1.114053	18981.16
5462.36	0.734993	1.074913	1.125002	17989.68
5463.173	0.743888	1.103237	1.13789	16620.8
5463.987	0.740836	1.11269	1.145775	15573.48
5464.799	0.723803	1.10752	1.153045	14047.6
5465.609	0.711174	1.087392	1.158278	13134.84
5466.418	0.708037	1.076952	1.155538	13755.6
5467.228	0.697527	1.077406	1.153192	14047.36
5468.037	0.696654	1.05829	1.1502	14585.64
5468.847	0.708808	1.047347	1.134807	16619.8
5469.656	0.722806	1.059303	1.117991	18646.16
5470.465	0.735828	1.081608	1.108881	19704.28
5471.273	0.744053	1.100913	1.108495	19666.36
5472.082	0.744485	1.102076	1.109685	19431.96
5472.89	0.738665	1.100485	1.109859	19592.12
5473.698	0.741363	1.127813	1.111803	18849.36
5474.507	0.749487	1.142367	1.105886	19128.16
5475.316	0.755828	1.124826	1.09587	21135.88
5476.127	0.756479	1.110268	1.092668	21994
5476.939	0.753695	1.094766	1.090123	22493.6
5477.751	0.747873	1.080368	1.086983	23299.48
5478.563	0.746229	1.082105	1.089088	22990.56
5479.375	0.742563	1.086991	1.092995	22060.4
5480.187	0.73832	1.094065	1.096841	21300.24
5481.001	0.738628	1.099237	1.100333	20579.84
5481.82	0.731199	1.087508	1.101968	20342
5482.639	0.724711	1.115875	1.11841	18141.6
5483.457	0.720356	1.153499	1.137636	15377.88
5484.276	0.714301	1.159204	1.145536	14293.44
5485.094	0.713162	1.154104	1.14654	14237.52
5485.913	0.715987	1.163683	1.155729	13407.68
5486.734	0.718375	1.177897	1.163841	12465.08
5487.556	0.71452	1.176181	1.162086	12511.12
5488.378	0.712717	1.175629	1.163979	12253.72
5489.2	0.711117	1.16658	1.16227	12633.88

5490.022	0.709072	1.156871	1.150958	13936.84
5490.843	0.719484	1.152362	1.141719	14879.8
5491.665	0.737158	1.150638	1.1371	15386.28
5492.484	0.739201	1.151248	1.134985	15690.36
5493.304	0.73445	1.145761	1.136211	15920.52
5494.124	0.728918	1.139183	1.137235	15937.28
5494.943	0.721234	1.140737	1.144267	14889.88
5495.763	0.721117	1.150455	1.155684	13643.08
5496.582	0.728173	1.15831	1.159191	13442.4
5497.398	0.731749	1.141219	1.151203	14238.84
5498.211	0.734395	1.124583	1.144898	14770.92
5499.024	0.733172	1.134283	1.146087	14607.72
5499.837	0.728706	1.145145	1.148513	14152.36
5500.65	0.724387	1.151792	1.152922	13555.72
5501.463	0.70807	1.164744	1.166919	12271.52
5502.276	0.698696	1.163294	1.173578	11850.28
5503.085	0.705188	1.145256	1.165899	12715
5503.894	0.71248	1.145353	1.159227	13135.32
5504.703	0.720131	1.148846	1.146069	14309
5505.511	0.733516	1.133923	1.136006	15486.08
5506.32	0.740989	1.099254	1.137877	15602.32
5507.129	0.738816	1.091835	1.144722	14949
5507.937	0.739796	1.107052	1.15188	14056.8
5508.746	0.74371	1.097589	1.15402	13807.2
5509.555	0.742461	1.101855	1.154894	13697.68
5510.364	0.739225	1.099623	1.149658	14376.52
5511.173	0.737506	1.083355	1.146737	14755.96
5511.982	0.73754	1.086927	1.146171	14740.36
5512.79	0.740878	1.083084	1.141614	15377.6
5513.601	0.745216	1.080667	1.140421	15509.48
5514.414	0.749089	1.098545	1.143549	15019.64
5515.226	0.746516	1.099175	1.146264	14743.28
5516.038	0.742322	1.102169	1.141656	15178.52
5516.851	0.744846	1.121699	1.138857	15326.92
5517.663	0.745685	1.106904	1.135998	15942.56
5518.476	0.744378	1.094252	1.130066	16820.16
5519.291	0.74956	1.105712	1.131408	16633.48
5520.107	0.753965	1.106815	1.131128	16685.68
5520.922	0.753331	1.101612	1.12467	17422.6
5521.738	0.743513	1.098874	1.13572	16148.72
5522.553	0.735565	1.112462	1.155615	13948.16
5523.369	0.739656	1.114596	1.154163	13954.68
5524.184	0.740667	1.099478	1.138959	15719.48
5525.001	0.740817	1.089497	1.128803	17225.52

5525.817	0.742531	1.078485	1.125653	17616.68
5526.634	0.745508	1.077684	1.122572	17831.16
5527.45	0.749208	1.089192	1.120005	18151.2
5528.267	0.74605	1.106939	1.122439	17791.4
5529.084	0.736094	1.114554	1.126885	17224.84
5529.9	0.730109	1.094975	1.134896	16397.52
5530.716	0.724957	1.096599	1.138302	15462.36
5531.531	0.744825	1.09864	1.122137	17738.92
5532.347	0.759321	1.073437	1.121706	19257.96
5533.163	0.720321	1.058245	1.158249	14874.56
5533.979	0.705866	1.062607	1.167504	12741.64
5534.795	0.723538	1.067706	1.14588	14884.92
5535.61	0.730982	1.069557	1.138263	15972.92
5536.425	0.719517	1.072669	1.14227	15422.88
5537.24	0.711825	1.078959	1.148049	14791.28
5538.055	0.715676	1.104436	1.164571	13257.24
5538.87	0.723469	1.117298	1.155229	13891.6
5539.685	0.733811	1.115778	1.138626	15106.2
5540.5	0.737895	1.126562	1.148133	14089.68
5541.314	0.732876	1.133124	1.15901	13454.24
5542.128	0.723134	1.130243	1.167163	12757.12
5542.943	0.716982	1.121518	1.172828	12001.52
5543.757	0.723485	1.110886	1.162883	12936.4
5544.571	0.737429	1.109407	1.151685	14172.36
5545.386	0.730467	1.10473	1.155611	13949.8
5546.2	0.72096	1.108565	1.160766	13388.76
5547.013	0.732144	1.118892	1.152636	14284.32
5547.827	0.732965	1.125633	1.148127	14588.84
5548.641	0.72348	1.145815	1.149011	14050.16
5549.454	0.732561	1.152616	1.14279	14790.32
5550.268	0.740552	1.137062	1.130826	16370.16
5551.082	0.738935	1.12214	1.12281	17334
5551.893	0.731564	1.11647	1.122697	17523.8
5552.704	0.732141	1.121063	1.125508	17132.72
5553.515	0.738477	1.12743	1.128421	16756.12
5554.326	0.737297	1.132304	1.125549	17071.96
5555.137	0.740248	1.121585	1.112291	19068.88
5555.948	0.742819	1.112895	1.10461	20283.76
5556.758	0.742197	1.129822	1.112126	18970.84
5557.565	0.743199	1.147341	1.120832	17437.08
5558.371	0.738221	1.148767	1.123245	16780
5559.177	0.725494	1.138103	1.123961	16900.68
5559.983	0.732782	1.139668	1.123028	17072.24
5560.79	0.740894	1.145219	1.12683	16416.76

5561.596	0.727043	1.135767	1.126844	16251.76
5562.399	0.725549	1.133162	1.12451	16600.64
5563.199	0.724274	1.136056	1.13026	16276.56
5564	0.720325	1.136645	1.144314	14810.92
5564.8	0.725572	1.132903	1.143862	14689.68
5565.601	0.728869	1.138743	1.131957	15903.08
5566.401	0.730996	1.138852	1.125679	16898.44
5567.202	0.726217	1.116245	1.118824	17969
5568.003	0.716885	1.137471	1.135829	15867.24
5568.804	0.710317	1.163465	1.150727	13984.12
5569.606	0.716269	1.146443	1.144896	14606.4
5570.407	0.724671	1.110065	1.130884	16321.4
5571.209	0.721167	1.093273	1.124103	17212.16
5572.01	0.726665	1.11093	1.126345	16860.48
5572.814	0.736674	1.11889	1.11683	18077.52
5573.626	0.734838	1.134582	1.116724	17946.88
5574.437	0.733938	1.146963	1.128414	16543.6
5575.249	0.730463	1.142513	1.130003	16427.04
5576.06	0.726962	1.131736	1.127999	16769.6
5576.871	0.726752	1.121802	1.121545	17688.84
5577.683	0.729316	1.135049	1.121604	17543.24
5578.505	0.729086	1.13479	1.127332	16925.04
5579.333	0.728791	1.113958	1.125537	17145.36
5580.161	0.73211	1.106326	1.126958	16999.8
5580.989	0.721332	1.106515	1.130533	16776.96
5581.818	0.72601	1.110603	1.128129	17184.68
5582.646	0.731204	1.135765	1.128822	16814.32
5583.474	0.723322	1.135901	1.128894	16621.52
5584.312	0.725588	1.125482	1.122544	17529.92
5585.15	0.73024	1.132473	1.120619	17745.68
5585.988	0.734388	1.132062	1.11997	17599.64
5586.827	0.736703	1.141446	1.11932	17397.68
5587.665	0.733458	1.156435	1.126318	16488.16
5588.503	0.725221	1.139375	1.13366	15977.12
5589.341	0.72452	1.113618	1.132713	16273.68
5590.179	0.730875	1.127258	1.136356	15577.56
5591.016	0.731465	1.145625	1.140851	14999.16
5591.854	0.733312	1.130591	1.131832	16298.44
5592.691	0.737955	1.125562	1.118418	18022.12
5593.528	0.735545	1.144546	1.11499	17994.4
5594.366	0.744781	1.13799	1.107925	19320.6
5595.197	0.757169	1.131548	1.096353	21526.52
5596.025	0.750177	1.140728	1.106765	19865.28
5596.853	0.737796	1.137625	1.125364	16760.8

5597.68	0.727979	1.127289	1.132503	15849.52
5598.508	0.723085	1.124215	1.133292	16094.56
5599.336	0.721857	1.111561	1.125731	17044.6
5600.164	0.729877	1.090012	1.112055	18872.92
5600.986	0.743807	1.07902	1.100016	20803.76
5601.809	0.743721	1.083502	1.10269	20587.44
5602.631	0.739341	1.090555	1.113324	18916.36
5603.453	0.737739	1.08923	1.112334	18783.24
5604.276	0.73357	1.099569	1.108113	18929.64
5605.098	0.739388	1.127883	1.104948	19160
5605.921	0.750161	1.138673	1.108803	18595.64
5606.746	0.750085	1.136446	1.120061	17168.56
5607.571	0.741325	1.146391	1.125618	16470.56
5608.396	0.723367	1.160202	1.133204	15484.88
5609.222	0.72049	1.16177	1.134661	15398.48
5610.047	0.728026	1.168205	1.136685	15156.6
5610.872	0.728016	1.190739	1.141479	14250.6
5611.703	0.729505	1.19988	1.14567	13645.2
5612.538	0.726046	1.190236	1.144056	13997.44
5613.372	0.726103	1.185074	1.138011	14774.28
5614.207	0.728287	1.191105	1.138428	14689.6
5615.041	0.730922	1.200063	1.151113	13482.6
5615.876	0.724443	1.212925	1.170661	11747.44
5616.71	0.714819	1.207415	1.170016	11823.84
5617.552	0.708906	1.199191	1.168153	11982.48
5618.393	0.706209	1.188562	1.156035	13404.12
5619.234	0.721948	1.177753	1.136999	15396.68
5620.076	0.72979	1.182588	1.13875	14943.04
5620.917	0.718912	1.179016	1.144657	14204.08
5621.759	0.714284	1.166183	1.140235	14814.52
5622.601	0.718603	1.177014	1.144668	14297.24
5623.444	0.713791	1.195779	1.169068	11948.4
5624.286	0.703928	1.192611	1.188487	10537.64
5625.129	0.704995	1.196364	1.186881	10704.52
5625.972	0.724379	1.207358	1.175118	11468.56
5626.815	0.743346	1.209557	1.164068	12305.28
5627.658	0.739411	1.209019	1.164718	12140.28
5628.499	0.733282	1.19481	1.168094	11857.04
5629.338	0.729189	1.183508	1.16338	12377.8
5630.178	0.730695	1.189612	1.160751	12729
5631.017	0.729268	1.189591	1.16039	12808.36
5631.857	0.728155	1.18731	1.151931	13515.28
5632.696	0.735377	1.186722	1.143799	14428.48
5633.536	0.732481	1.194174	1.149754	13880.16

5634.371	0.737156	1.208273	1.148908	13680.88
5635.206	0.743914	1.205017	1.138974	14597.4
5636.042	0.739846	1.201168	1.139736	14514.2
5636.877	0.736851	1.196514	1.137135	15048.4
5637.712	0.738676	1.199378	1.134271	15257.56
5638.548	0.74462	1.214037	1.134269	14874.64
5639.382	0.75014	1.219842	1.129234	15368.12
5640.213	0.753341	1.21031	1.124635	16044.64
5641.044	0.753703	1.193245	1.124967	16287.52
5641.876	0.759621	1.186905	1.128106	15995.76
5642.707	0.768179	1.183608	1.11836	17300
5643.539	0.768889	1.180128	1.110293	18966.84
5644.37	0.77568	1.18064	1.113499	19080.04
5645.199	0.766393	1.183323	1.12462	16283.28
5646.027	0.732899	1.191662	1.154657	12338.8
5646.855	0.727369	1.193431	1.166797	11889.88
5647.683	0.743314	1.196394	1.151221	13646.04
5648.511	0.744862	1.202891	1.136397	15269.44
5649.339	0.742737	1.208453	1.139246	14815.04
5650.166	0.741012	1.21379	1.154932	12976.12
5650.991	0.737545	1.209251	1.16106	12425.6
5651.816	0.7337	1.201049	1.160551	12592.64
5652.641	0.73212	1.195067	1.153792	13272.72
5653.467	0.730313	1.19352	1.153231	13378.68
5654.292	0.724412	1.189356	1.153332	13341.52
5655.117	0.733358	1.182257	1.14505	14105.52
5655.941	0.750842	1.173797	1.133185	15585.6
5656.764	0.752764	1.165365	1.128596	16112.96
5657.586	0.751026	1.162509	1.130712	15976.84
5658.409	0.751415	1.16647	1.136374	15343.24
5659.232	0.746942	1.174705	1.13958	15047.12
5660.055	0.752643	1.185482	1.14035	14774.56
5660.878	0.755916	1.172805	1.133094	15514.56
5661.7	0.752827	1.157746	1.123853	16764.36
5662.521	0.75118	1.156526	1.124506	16686.84
5663.342	0.747573	1.148999	1.132008	16155.8
5664.163	0.747154	1.144571	1.141417	15215.92
5664.985	0.753636	1.136447	1.130462	16510.08
5665.806	0.761563	1.125225	1.120139	18050.16
5666.627	0.762007	1.124439	1.121285	17941.08
5667.447	0.763948	1.124211	1.116477	18143.96
5668.267	0.761756	1.118643	1.109556	18755.92
5669.087	0.755768	1.114769	1.105149	19366.08
5669.907	0.756797	1.105895	1.103254	19791.64

5670.727	0.757456	1.076817	1.092394	22010.68
5671.547	0.758165	1.057284	1.08386	23960.44
5672.367	0.763026	1.072951	1.090151	22670.56
5673.186	0.754734	1.067048	1.087449	23271.12
5674.005	0.751319	1.04845	1.090781	23064.32
5674.824	0.76117	1.068812	1.100423	20912.84
5675.643	0.759917	1.097448	1.105755	19641.04
5676.462	0.750255	1.114172	1.119797	17527.52
5677.281	0.741518	1.094986	1.128378	16662.4
5678.1	0.735452	1.073435	1.130682	16689.6
5678.918	0.73168	1.074711	1.139732	15701.6
5679.737	0.734539	1.069208	1.14145	15515.56
5680.555	0.737496	1.061497	1.132909	16486.76
5681.374	0.742544	1.065392	1.128655	17088.4
5682.192	0.750607	1.068348	1.119691	18283.96
5683.011	0.750109	1.078793	1.121851	17872.4
5683.83	0.748708	1.087927	1.132766	16466.36
5684.649	0.750331	1.083364	1.132385	16702.92
5685.468	0.750978	1.053559	1.130682	16994.28
5686.288	0.75455	1.026943	1.125883	17689.92
5687.107	0.762473	1.051799	1.124504	17653.8
5687.926	0.755874	1.081112	1.131826	16456.6
5688.746	0.747297	1.078724	1.132428	16331.96
5689.568	0.753241	1.081234	1.129052	16774.72
5690.39	0.754752	1.098241	1.140337	15630
5691.212	0.757387	1.118124	1.151633	14404.24
5692.033	0.754582	1.111271	1.145938	14868.32
5692.855	0.751656	1.096302	1.145382	14906.8
5693.677	0.749524	1.085106	1.1549	14085.72
5694.501	0.749418	1.078313	1.156999	13803.28
5695.326	0.757141	1.103845	1.150745	14262.08
5696.151	0.7615	1.121891	1.147926	14404.04
5696.976	0.755532	1.086529	1.156648	13697.64
5697.8	0.754565	1.058892	1.163438	13339.6
5698.625	0.759446	1.062316	1.177414	12320
5699.45	0.756837	1.064469	1.180398	11894.32
5700.273	0.754135	1.074412	1.169141	12628.72
5701.096	0.751311	1.072945	1.176751	12082.28
5701.919	0.747629	1.071394	1.172606	12499.68
5702.742	0.748425	1.096338	1.152592	14130.2
5703.565	0.75483	1.082017	1.140045	15611.68
5704.388	0.764436	1.036403	1.138679	16030.56
5705.207	0.767014	1.033015	1.142051	15407.8
5706.021	0.769067	1.036996	1.135205	16277.92

5706.836	0.769028	1.024412	1.125724	17643.36
5707.65	0.769122	1.012209	1.126193	17760.68
5708.464	0.775312	1.001586	1.127655	17609.4
5709.278	0.76928	1.036828	1.12796	17420.44
5710.092	0.76378	1.06755	1.124898	17893.6
5710.895	0.767454	1.050136	1.121756	18276.64
5711.695	0.765322	1.046688	1.126259	17718.16
5712.495	0.760936	1.063943	1.131614	17046
5713.295	0.764993	1.063908	1.129761	17059.96
5714.095	0.772174	1.074217	1.128353	16972.2
5714.896	0.770826	1.089652	1.129417	16880.04
5715.694	0.76103	1.083105	1.128011	17199.6
5716.486	0.758905	1.089128	1.125588	17409.64
5717.278	0.767078	1.088707	1.125169	17464.44
5718.07	0.767679	1.084923	1.127426	17332.2
5718.862	0.764277	1.086735	1.125909	17478.28
5719.654	0.767718	1.090245	1.12497	17490.76
5720.446	0.76942	1.087307	1.124032	17488.68
5721.239	0.770508	1.074364	1.119943	17816.88
5722.033	0.768762	1.062511	1.11646	18564.96
5722.827	0.768221	1.059559	1.11395	19146.08
5723.621	0.770473	1.057411	1.116244	18699.4
5724.414	0.76898	1.063049	1.122661	17944.6
5725.208	0.766973	1.070022	1.127177	17280.48
5726.002	0.768999	1.06831	1.127609	17135.8
5726.805	0.77153	1.082877	1.12472	17488.92
5727.609	0.772151	1.074586	1.119256	18167.12
5728.413	0.773717	1.054553	1.116865	18469.6
5729.217	0.772393	1.040876	1.11548	18655.48
5730.021	0.762582	1.033432	1.115462	18799.12
5730.825	0.755064	1.038246	1.117505	18596.4
5731.631	0.75477	1.039622	1.117915	18547.16
5732.446	0.754477	1.040998	1.118325	18497.92
5733.261	0.754184	1.042374	1.118735	18448.69
5734.076	0.753891	1.04375	1.119144	18399.45
5734.89	0.753598	1.045126	1.119554	18350.22
5735.705	0.753305	1.046502	1.119964	18300.98
5736.52	0.753012	1.047878	1.120374	18251.74
5737.339	0.752719	1.049254	1.120783	18202.51
5738.161	0.752425	1.05063	1.121193	18153.27
5738.984	0.752132	1.052005	1.121603	18104.03
5739.807	0.751839	1.053381	1.122013	18054.8
5740.629	0.751546	1.054757	1.122422	18005.56
5741.452	0.751253	1.056133	1.122832	17956.32

5742.274	0.75096	1.057509	1.123242	17907.09
5743.102	0.750667	1.058885	1.123652	17857.85
5743.929	0.750374	1.060261	1.124062	17808.62
5744.757	0.75008	1.061637	1.124471	17759.38
5745.585	0.749787	1.063013	1.124881	17710.14
5746.413	0.749494	1.064388	1.125291	17660.91
5747.241	0.749201	1.065764	1.125701	17611.67
5748.069	0.748908	1.06714	1.12611	17562.43
5748.9	0.748615	1.068516	1.12652	17513.2
5749.73	0.748322	1.069892	1.12693	17463.96
5750.561	0.748029	1.071268	1.12734	17414.72
5751.391	0.747735	1.072644	1.12775	17365.49
5752.222	0.747442	1.07402	1.128159	17316.25
5753.052	0.747149	1.075396	1.128569	17267.02
5753.883	0.746856	1.076772	1.128979	17217.78
5754.714	0.746563	1.078147	1.129389	17168.54
5755.545	0.74627	1.079523	1.129798	17119.31
5756.376	0.745977	1.080899	1.130208	17070.07
5757.207	0.745684	1.082275	1.130618	17020.83
5758.039	0.74539	1.083651	1.131028	16971.6
5758.87	0.745097	1.085027	1.131437	16922.36
5759.699	0.744804	1.086403	1.131847	16873.12
5760.528	0.744511	1.087779	1.132257	16823.89
5761.358	0.744218	1.089155	1.132667	16774.65
5762.187	0.743925	1.09053	1.133077	16725.42
5763.016	0.743632	1.091906	1.133486	16676.18
5763.846	0.743339	1.093282	1.133896	16626.94
5764.674	0.743045	1.094658	1.134306	16577.71
5765.5	0.742752	1.096034	1.134716	16528.47
5766.326	0.742459	1.09741	1.135125	16479.23
5767.152	0.742166	1.098786	1.135535	16430
5767.978	0.741873	1.100162	1.135945	16380.76
5768.804	0.74158	1.101538	1.136355	16331.52
5769.63	0.741287	1.102914	1.136765	16282.29
5770.453	0.740994	1.104289	1.137174	16233.05
5771.275	0.7407	1.105665	1.137584	16183.82
5772.096	0.740407	1.107041	1.137994	16134.58
5772.917	0.740114	1.108417	1.138404	16085.34
5773.739	0.739821	1.109793	1.138813	16036.11
5774.56	0.739528	1.111169	1.139223	15986.87
5775.382	0.739235	1.112545	1.139633	15937.63
5776.198	0.74167	1.11731	1.131218	16716.88
5777.014	0.749523	1.106355	1.115555	18765.8
5777.83	0.749279	1.113633	1.118402	18557.04

5778.646	0.736502	1.121671	1.132459	16674.36
5779.462	0.732052	1.11766	1.140169	15616.24
5780.278	0.733693	1.144221	1.142368	15027.56
5781.093	0.735382	1.158107	1.137854	15427.52
5781.907	0.733174	1.16713	1.143316	14691.12
5782.721	0.72635	1.185898	1.152028	13526.04
5783.534	0.724654	1.190202	1.156884	13104.56
5784.348	0.726962	1.180433	1.159896	12822.52
5785.161	0.731181	1.161129	1.155308	13457.56
5785.975	0.731907	1.149922	1.150416	14259
5786.79	0.730149	1.16207	1.148037	14489.64
5787.605	0.727275	1.171337	1.147004	14296.92
5788.42	0.727422	1.148216	1.147767	14361
5789.236	0.737207	1.120215	1.139581	15670.04
5790.051	0.739603	1.133615	1.130923	16396.64
5790.867	0.738439	1.152212	1.124595	16779.24
5791.682	0.737565	1.144872	1.123825	17094.8
5792.503	0.733832	1.155865	1.139419	15351.32
5793.323	0.729225	1.157091	1.145573	14643.04
5794.144	0.731442	1.097118	1.125688	17655.8
5794.965	0.741086	1.041164	1.103151	21387.84
5795.786	0.747775	1.042825	1.096395	22602.88
5796.606	0.742466	1.082433	1.102322	21026.44
5797.429	0.734444	1.091879	1.107835	19814.8
5798.254	0.738435	1.081142	1.104098	20538.8
5799.079	0.74075	1.082712	1.100028	21428.84
5799.905	0.740442	1.070397	1.098151	21932.92
5800.73	0.743969	1.068055	1.091707	22823
5801.555	0.741105	1.080476	1.088842	23480.8
5802.381	0.742231	1.08768	1.096064	22072.12
5803.208	0.745311	1.087953	1.096236	21477.24
5804.035	0.74595	1.082422	1.086934	22821.12
5804.862	0.745444	1.080349	1.082306	23941.44
5805.69	0.740905	1.084066	1.086905	23333.68
5806.517	0.734268	1.097748	1.096322	21386.24
5807.345	0.729839	1.121151	1.109384	19334.52
5808.172	0.732411	1.123305	1.114738	18674.64
5809	0.742631	1.125208	1.109389	19015.2
5809.827	0.749352	1.142432	1.106733	18837.84
5810.654	0.74925	1.14891	1.105164	19106.6
5811.481	0.748974	1.149513	1.102133	19635.4
5812.309	0.743957	1.16879	1.1072	18430.24
5813.136	0.740261	1.185568	1.117985	16908.2
5813.963	0.735601	1.189599	1.126503	15946.52

5814.788	0.73452	1.20126	1.128819	15315.08
5815.614	0.737485	1.213647	1.127016	15413.28
5816.44	0.739652	1.216026	1.124586	15749.36
5817.265	0.734691	1.209506	1.125234	15797.8
5818.091	0.733546	1.202658	1.125647	15909.92
5818.917	0.736828	1.18289	1.117829	17024.84
5819.74	0.735388	1.154381	1.113078	18119.24
5820.564	0.728668	1.146085	1.121406	17287.2
5821.387	0.724282	1.15279	1.129752	15996.84
5822.21	0.732568	1.161653	1.135718	15457.16
5823.033	0.730522	1.164355	1.143367	14715.4
5823.856	0.72629	1.172545	1.147016	14205.12
5824.679	0.727319	1.184077	1.150496	13897.8
5825.499	0.727864	1.2022	1.153768	13293.8
5826.319	0.737106	1.221828	1.149652	13165.6
5827.138	0.747453	1.226707	1.142733	13933.64
5827.958	0.745309	1.23892	1.153004	13091.08
5828.778	0.741774	1.253073	1.163513	11905.84
5829.598	0.750104	1.267784	1.160278	11877.24
5830.418	0.758007	1.274475	1.152468	12269.6
5831.236	0.760573	1.268501	1.147424	12685.8
5832.055	0.760176	1.2637	1.147651	12817.72
5832.874	0.754871	1.264662	1.150647	12623.24
5833.693	0.750732	1.26786	1.157642	12057
5834.512	0.759436	1.270975	1.159185	11896.56
5835.331	0.76715	1.272023	1.156859	12077.12
5836.151	0.762325	1.269806	1.158838	12023.12
5836.972	0.753792	1.277256	1.165544	11416.08
5837.793	0.75367	1.280128	1.165832	11243.4
5838.614	0.757534	1.27132	1.155697	11961.48
5839.435	0.759615	1.271019	1.145481	12499.64
5840.255	0.759328	1.268654	1.135393	13378.44
5841.077	0.764254	1.270856	1.138875	13273.36
5841.902	0.76621	1.276777	1.14218	12903.44
5842.728	0.763996	1.277954	1.144047	12688.48
5843.554	0.7653	1.275127	1.150675	12223.4
5844.379	0.763086	1.266648	1.147269	12681.96
5845.205	0.76486	1.258634	1.142797	13245.36
5846.031	0.766736	1.255695	1.142776	13304.52
5846.858	0.765085	1.256401	1.143335	13185
5847.688	0.764353	1.254361	1.139492	13556.28
5848.518	0.763209	1.252545	1.13514	13905.76
5849.348	0.763569	1.259356	1.137274	13421.64
5850.178	0.75988	1.260615	1.138159	13446.36

5851.008	0.761073	1.250413	1.135861	14048.72
5851.838	0.763463	1.253904	1.137243	13819.44
5852.67	0.772373	1.258623	1.137876	13572.44
5853.503	0.775541	1.249934	1.133389	14152.16
5854.336	0.766735	1.250872	1.137415	13999.92
5855.168	0.76859	1.261004	1.144394	13137.12
5856.001	0.767359	1.264024	1.148821	12480.72
5856.834	0.758191	1.251326	1.142543	13428.12
5857.667	0.75258	1.241932	1.137115	14240.44
5858.5	0.750096	1.237989	1.142069	13814.56
5859.334	0.751849	1.238287	1.149962	13047.2
5860.168	0.753802	1.238386	1.155296	12472.12
5861.002	0.753718	1.240306	1.157592	12178.8
5861.836	0.750517	1.239875	1.16551	11543.72
5862.67	0.749595	1.232005	1.170494	11319.76
5863.504	0.744315	1.220603	1.170469	11400.52
5864.338	0.74325	1.210878	1.173759	11275.76
5865.173	0.750248	1.213297	1.174351	11253.96
5866.008	0.744754	1.206219	1.165122	12037.52
5866.843	0.743049	1.201238	1.161765	12272.52
5867.677	0.734138	1.203507	1.165731	12018.56
5868.512	0.718008	1.211011	1.173094	11668.28
5869.348	0.715194	1.20983	1.173553	11637.72
5870.184	0.72141	1.197608	1.164175	12437.16
5871.02	0.725888	1.207286	1.170986	11816.28
5871.856	0.723662	1.215945	1.176101	11273.8
5872.691	0.721642	1.219059	1.177617	11185
5873.527	0.724979	1.222685	1.175282	11357.76
5874.363	0.729553	1.223526	1.170531	11685.12
5875.201	0.734309	1.237016	1.178818	10858.4
5876.038	0.747932	1.24137	1.17739	10768.84
5876.875	0.762447	1.235203	1.164787	11671.28
5877.713	0.756896	1.216571	1.138913	14400.56
5878.55	0.754215	1.224305	1.136401	14500.08
5879.388	0.751294	1.232456	1.145709	13342.4
5880.226	0.744152	1.223516	1.151571	13054.12
5881.065	0.7419	1.211225	1.157942	12800.84
5881.905	0.741164	1.191372	1.151506	13675.64
5882.744	0.738548	1.18598	1.143882	14375.16
5883.583	0.733725	1.185392	1.138951	14869.08
5884.423	0.73222	1.177442	1.134512	15478.16
5885.262	0.73543	1.153875	1.123836	17114.28
5886.104	0.738004	1.132402	1.118201	18306
5886.946	0.739052	1.13293	1.121097	18029.72

5887.788	0.738535	1.139604	1.120649	17943.84
5888.63	0.738054	1.138014	1.111856	18783.76
5889.472	0.739109	1.136162	1.105982	19259.8
5890.314	0.747258	1.123252	1.0975	21005.12
5891.156	0.759358	1.099201	1.082319	23691.04
5892.001	0.764437	1.08787	1.073761	25110.56
5892.846	0.762123	1.121917	1.08288	23615.36
5893.69	0.761171	1.182316	1.110071	18881.84
5894.535	0.758374	1.192828	1.118306	17131.64
5895.38	0.752727	1.160672	1.105906	19006.84
5896.225	0.751367	1.118519	1.092843	21676.24
5897.068	0.753234	1.073698	1.080692	24722.12
5897.911	0.749275	1.084174	1.086272	23668.04
5898.754	0.741673	1.11899	1.104162	19847.52
5899.597	0.73802	1.118201	1.106752	19325.04
5900.44	0.732199	1.093776	1.107884	19732.56
5901.283	0.729625	1.062648	1.122615	17778.8
5902.126	0.743409	1.053605	1.113343	18987.8
5902.963	0.754941	1.060728	1.083679	24249.72
5903.798	0.751537	1.085312	1.104473	21553.6
5904.633	0.738179	1.10629	1.147946	14774.84
5905.468	0.727657	1.108718	1.165642	12775.84
5906.303	0.72792	1.119569	1.163021	13095.04
5907.138	0.738405	1.136489	1.160986	13005.8
5907.971	0.729456	1.143123	1.165891	12541.44
5908.794	0.717058	1.154415	1.173067	11872.72
5909.616	0.724251	1.17814	1.178857	11260.4
5910.438	0.72469	1.187416	1.169837	11997.28
5911.26	0.728498	1.16852	1.156882	13354.8
5912.083	0.738288	1.149842	1.149073	14240.04
5912.905	0.737839	1.153738	1.149035	14067.84
5913.722	0.736912	1.154877	1.149765	14035.44
5914.536	0.736756	1.161559	1.148741	14174.72
5915.349	0.733868	1.17506	1.153017	13664.84
5916.162	0.732668	1.200581	1.162024	12588.04
5916.976	0.733242	1.222611	1.168972	11658.12
5917.789	0.733836	1.21121	1.163517	12239.92
5918.602	0.74006	1.19804	1.15514	13101.72
5919.414	0.743356	1.18556	1.15504	13268.44
5920.226	0.734321	1.159631	1.153085	13732.16
5921.038	0.728528	1.136112	1.155262	13778.76
5921.85	0.728898	1.134166	1.16081	13489.72
5922.662	0.72808	1.128094	1.16134	13544.36
5923.473	0.720504	1.120413	1.157983	13841.76

5924.286	0.712483	1.115661	1.155668	13871.08
5925.103	0.719218	1.104175	1.144573	14960.24
5925.92	0.740743	1.095214	1.125017	17569.88
5926.737	0.740737	1.103206	1.130171	17346.8
5927.554	0.720428	1.128147	1.151046	14549.52
5928.371	0.714664	1.134055	1.157021	13516.72
5929.188	0.725786	1.115377	1.145066	14938.64
5930.007	0.740164	1.098957	1.131587	16693.44
5930.828	0.74746	1.100889	1.126354	17384.52
5931.649	0.747277	1.100188	1.120543	17926.12
5932.47	0.747353	1.100271	1.115856	18376.52
5933.291	0.754138	1.114204	1.114493	18486.32
5934.112	0.758424	1.117038	1.117082	18026.72
5934.933	0.757336	1.106245	1.119181	17899.84
5935.754	0.752331	1.105485	1.12826	16831.12
5936.575	0.735797	1.12201	1.143398	14985.76
5937.397	0.722382	1.150094	1.15983	13300.8
5938.218	0.712474	1.167904	1.176035	11831.72
5939.039	0.711589	1.165577	1.180899	11581.52
5939.86	0.708395	1.154052	1.174432	12075.28
5940.68	0.695196	1.164004	1.177198	11667.2
5941.498	0.698693	1.160417	1.175476	11785.56
5942.316	0.703634	1.129358	1.168683	12592.44
5943.133	0.711698	1.110355	1.168664	12827.2
5943.951	0.723551	1.100563	1.164167	13134.2
5944.768	0.728582	1.09401	1.159985	13449.8
5945.586	0.73815	1.1222	1.157201	13728.52
5946.402	0.745477	1.16407	1.1576	13431.32
5947.217	0.752623	1.181545	1.156214	13336.92
5948.031	0.754404	1.180831	1.147745	14238.52
5948.846	0.745432	1.180968	1.148736	14189.56
5949.661	0.744817	1.188332	1.155383	13458.88
5950.475	0.749027	1.192807	1.153458	13577.84
5951.29	0.753524	1.192416	1.147294	14181.56
5952.104	0.75608	1.194449	1.140998	14716.16
5952.917	0.758012	1.200598	1.135271	15118.84
5953.731	0.769367	1.211757	1.136295	14685.72
5954.545	0.766104	1.210778	1.128314	15566.2
5955.358	0.754466	1.209302	1.118093	16654.04
5956.172	0.760667	1.218588	1.125245	15635.96
5956.986	0.764161	1.221083	1.128218	15280.12
5957.801	0.76678	1.221322	1.127425	15276.76
5958.615	0.77023	1.226575	1.131007	14697
5959.43	0.770728	1.234049	1.132511	14421.56

5960.245	0.768865	1.231064	1.126894	15047.48
5961.059	0.769846	1.230983	1.12264	15442.08
5961.874	0.768157	1.224294	1.11846	15923.36
5962.689	0.769796	1.225855	1.121248	15548.68
5963.504	0.775129	1.231997	1.124083	14969.64
5964.32	0.765284	1.214592	1.114354	16385.28
5965.135	0.762631	1.20836	1.11253	16827
5965.95	0.768609	1.20558	1.1175	16119.56
5966.766	0.771091	1.193044	1.123617	15781.96
5967.581	0.762436	1.178684	1.120502	16511.56
5968.396	0.755877	1.153712	1.106831	18694.04
5969.211	0.759085	1.131375	1.098794	20348.08
5970.026	0.763772	1.127473	1.096916	20689.24
5970.841	0.762835	1.127022	1.09516	20976.72
5971.656	0.753474	1.131469	1.09737	20480.64
5972.471	0.747457	1.155747	1.109822	18374.52
5973.286	0.747522	1.166551	1.118696	17114.96
5974.099	0.738807	1.150362	1.12344	16766.16
5974.913	0.727666	1.15431	1.131706	15903.08
5975.727	0.71754	1.189918	1.14958	13892
5976.541	0.711727	1.219119	1.17104	11636.76
5977.355	0.716845	1.224087	1.172865	11400.12
5978.169	0.729278	1.204177	1.157345	12967.8
5978.982	0.733562	1.175698	1.150128	13737.96
5979.796	0.736256	1.139544	1.14739	14036.4
5980.61	0.747927	1.113077	1.138355	15140.52
5981.424	0.757242	1.115936	1.13499	15823.68
5982.238	0.755929	1.138062	1.137854	15317.6
5983.052	0.750829	1.154323	1.140376	14711.58
5983.866	0.750264	1.156816	1.142017	14580
5984.683	0.749698	1.15931	1.143658	14448.42
5985.499	0.749132	1.161803	1.145299	14316.85
5986.315	0.748567	1.164297	1.14694	14185.27
5987.132	0.748001	1.16679	1.148581	14053.69
5987.948	0.747436	1.169283	1.150222	13922.11
5988.764	0.74687	1.171777	1.151863	13790.54
5989.582	0.746305	1.17427	1.153503	13658.96
5990.402	0.745739	1.176764	1.155144	13527.38
5991.223	0.745174	1.179257	1.156785	13395.8
5992.044	0.744608	1.18175	1.158426	13264.22
5992.864	0.744042	1.184244	1.160067	13132.65
5993.685	0.743477	1.186737	1.161708	13001.07
5994.506	0.742911	1.189231	1.163349	12869.49
5995.329	0.742346	1.191724	1.16499	12737.91

5996.154	0.74178	1.194217	1.16663	12606.34
5996.978	0.741215	1.196711	1.168271	12474.76
5997.803	0.740649	1.199204	1.169912	12343.18
5998.628	0.740084	1.201698	1.171553	12211.6
5999.453	0.739518	1.204191	1.173194	12080.02
6000.277	0.738952	1.206684	1.174835	11948.45
6001.105	0.738387	1.209178	1.176476	11816.87
6001.933	0.737821	1.211671	1.178117	11685.29
6002.76	0.737256	1.214165	1.179757	11553.71
6003.588	0.73669	1.216658	1.181398	11422.14
6004.415	0.736125	1.219151	1.183039	11290.56
6005.243	0.735559	1.221645	1.18468	11158.98
6006.071	0.734994	1.224138	1.186321	11027.4
6006.901	0.734428	1.226632	1.187962	10895.82
6007.73	0.733862	1.229125	1.189603	10764.25
6008.56	0.733297	1.231619	1.191244	10632.67
6009.389	0.732731	1.234112	1.192884	10501.09
6010.218	0.732166	1.236605	1.194525	10369.51
6011.048	0.7316	1.239099	1.196166	10237.94
6011.878	0.731035	1.241592	1.197807	10106.36
6012.708	0.730469	1.244086	1.199448	9974.78
6013.538	0.729904	1.246579	1.201089	9843.202
6014.368	0.729338	1.249072	1.20273	9711.624
6015.199	0.728772	1.251566	1.204371	9580.046
6016.029	0.728207	1.254059	1.206011	9448.468
6016.859	0.727641	1.256553	1.207652	9316.891
6017.689	0.727076	1.259046	1.209293	9185.313
6018.519	0.72651	1.261539	1.210934	9053.735
6019.35	0.725945	1.264033	1.212575	8922.157
6020.18	0.724292	1.258963	1.206396	9415.92
6021.01	0.727767	1.244448	1.198218	9779.72
6021.84	0.73032	1.241093	1.195639	9472
6022.67	0.709168	1.25632	1.207842	8503.24
6023.499	0.684387	1.238296	1.22621	7767.56
6024.328	0.677364	1.198754	1.229409	7913.08
6025.157	0.686281	1.195624	1.23695	7599.24
6025.986	0.700731	1.202197	1.227513	8205.28
6026.815	0.699338	1.190313	1.209563	9159.4
6027.643	0.695176	1.178532	1.208759	9337.52
6028.469	0.701958	1.19035	1.21507	8973.44
6029.292	0.687886	1.196843	1.219844	8523.24
6030.116	0.678576	1.19787	1.214512	8784.36
6030.939	0.683625	1.20862	1.217418	8699.6
6031.763	0.670311	1.208824	1.232843	7889.84

6032.586	0.658805	1.192876	1.223238	8581.72
6033.41	0.679032	1.190335	1.209549	9305.6
6034.222	0.703482	1.192019	1.209967	9200.8
6035.035	0.701161	1.18107	1.206679	9455.16
6035.848	0.696202	1.172838	1.196439	10152.28
6036.661	0.693718	1.178052	1.19427	10281.64
6037.474	0.691212	1.197363	1.20081	9642.36
6038.287	0.706556	1.199651	1.190044	10621.2
6039.094	0.713018	1.190834	1.190545	10787.12
6039.892	0.706081	1.187545	1.195184	10093
6040.69	0.70046	1.17481	1.187549	10564.56
6041.487	0.70519	1.156595	1.179482	11437.52
6042.285	0.717187	1.152371	1.173235	11944.12
6043.083	0.717238	1.159501	1.175043	11760.8
6043.881	0.713945	1.156724	1.175461	11818.4
6044.672	0.719227	1.150492	1.16781	12645.56
6045.46	0.724857	1.158022	1.154638	13868.84
6046.248	0.733378	1.15397	1.146717	14420.28
6047.036	0.744628	1.144877	1.147136	14227.16
6047.824	0.743653	1.139086	1.143732	14791.08
6048.611	0.738834	1.136623	1.141035	15244.44
6049.399	0.748093	1.138952	1.137756	15358.36
6050.186	0.758136	1.13542	1.130947	16236.8
6050.973	0.762151	1.133683	1.120496	18170.88
6051.76	0.768272	1.133462	1.117885	18811.84
6052.547	0.760384	1.132718	1.130176	17443.16
6053.334	0.749249	1.137848	1.143069	16162.24
6054.121	0.745622	1.153698	1.148181	14950.52
6054.911	0.731257	1.185636	1.158706	12827.76
6055.705	0.732569	1.218367	1.157982	12391.08
6056.5	0.750782	1.233922	1.142097	13653.2
6057.294	0.759325	1.235107	1.135003	14166.24
6058.088	0.762666	1.222413	1.129896	14812
6058.883	0.760376	1.219228	1.131368	14827.12
6059.677	0.755332	1.229394	1.140346	13956.52
6060.478	0.754537	1.230939	1.141112	13920.8
6061.282	0.75141	1.223939	1.134356	14547.92
6062.085	0.738408	1.227936	1.141322	13659.24
6062.889	0.728228	1.232908	1.152446	12572.56
6063.692	0.733797	1.228606	1.152143	12753.32
6064.496	0.745326	1.211667	1.144852	13556.16
6065.3	0.748684	1.189203	1.138223	14169.24
6066.112	0.750129	1.178353	1.133968	14801.2
6066.923	0.756452	1.154655	1.124796	16219.6

6067.735	0.755384	1.119059	1.121435	17064.48
6068.547	0.746975	1.111246	1.133405	16094.32
6069.359	0.736558	1.142529	1.147176	14469.2
6070.17	0.73317	1.174862	1.155362	13394.4
6070.985	0.734832	1.187455	1.161069	12721.96
6071.804	0.735506	1.183769	1.160271	12744.6
6072.622	0.735221	1.16758	1.152621	13685.92
6073.441	0.735311	1.157285	1.143214	14924.76
6074.26	0.742853	1.159516	1.134526	15900.04
6075.079	0.747359	1.165758	1.132495	16093.64
6075.897	0.739459	1.173921	1.135502	15737.08
6076.721	0.734796	1.176454	1.139011	15391.08
6077.545	0.732688	1.182201	1.148968	14529.76
6078.369	0.722233	1.187684	1.161095	13384.64
6079.194	0.704088	1.185308	1.173789	12143.64
6080.018	0.694547	1.189292	1.183983	10993.84
6080.843	0.698417	1.193693	1.176313	11283
6081.668	0.708208	1.195075	1.160115	12600.72
6082.496	0.725991	1.203148	1.154156	13095.84
6083.325	0.736759	1.222688	1.157121	12616.84
6084.154	0.737459	1.224037	1.157866	12555.76
6084.982	0.739924	1.201639	1.154604	13174.84
6085.811	0.740311	1.191341	1.155058	13254.84
6086.64	0.724659	1.191102	1.167718	12096.32
6087.469	0.697187	1.191776	1.19568	10123.6
6088.3	0.713995	1.180016	1.195212	10536.44
6089.131	0.74998	1.177864	1.169687	12750
6089.962	0.753245	1.19823	1.165613	13015.8
6090.793	0.752038	1.219213	1.171925	12162.8
6091.623	0.757603	1.231283	1.175597	11517.84
6092.454	0.75423	1.223784	1.177976	11055.96
6093.281	0.744423	1.213466	1.18619	10320.76
6094.107	0.737939	1.205364	1.185433	10261.24
6094.932	0.738082	1.198327	1.16936	11208.08
6095.758	0.74216	1.194688	1.167932	11297.88
6096.584	0.741688	1.18723	1.169855	11735.32
6097.409	0.739068	1.182248	1.165223	12473.92
6098.233	0.738513	1.174637	1.163788	12381.56
6099.044	0.734652	1.164262	1.165968	11911.04
6099.855	0.726688	1.156623	1.169804	11609.24
6100.666	0.727938	1.159484	1.167945	11826.24
6101.476	0.732675	1.16551	1.165702	11906.88
6102.287	0.72419	1.168212	1.16452	11969.8
6103.098	0.720397	1.181476	1.164424	11932.68

6103.898	0.727261	1.20186	1.166297	11531.4
6104.686	0.726149	1.220642	1.170009	11002
6105.474	0.715758	1.231499	1.179114	10123.32
6106.262	0.698974	1.2449	1.189383	9081.32
6107.05	0.687991	1.262199	1.203709	8205.56
6107.838	0.680972	1.266315	1.213078	7880.68
6108.626	0.687388	1.269571	1.21692	7708.92
6109.398	0.708598	1.276398	1.209905	8146.72
6110.168	0.730956	1.282716	1.192522	9100.4
6110.937	0.737635	1.281759	1.178794	9944.6
6111.706	0.735798	1.279677	1.179521	10048.44
6112.476	0.729357	1.276876	1.187773	9709.4
6113.245	0.721733	1.271473	1.190066	9767.36
6114.013	0.729725	1.268711	1.185672	10112.04
6114.774	0.735993	1.271404	1.182667	10127.96
6115.535	0.733194	1.282054	1.185327	9845.92
6116.296	0.723803	1.285427	1.189424	9688.4
6117.057	0.717444	1.274565	1.191367	9523.92
6117.818	0.718113	1.260831	1.195467	9284.2
6118.579	0.723188	1.25495	1.19491	9514.6
6119.341	0.721727	1.240866	1.182836	10416.8
6120.103	0.710488	1.217	1.179932	10832.24
6120.865	0.708671	1.21591	1.184542	10659.4
6121.628	0.713174	1.211906	1.178286	11148.08
6122.39	0.71537	1.195497	1.170504	11720.68
6123.153	0.714885	1.188363	1.172659	11576.88
6123.915	0.708582	1.168867	1.17207	11792.92
6124.684	0.707593	1.15876	1.1647	12484.8
6125.455	0.72083	1.171542	1.168896	12442.08
6126.226	0.717528	1.168941	1.178765	11946.28
6126.996	0.705279	1.155766	1.186979	11047.16
6127.767	0.688614	1.165513	1.198135	9912.48
6128.537	0.67338	1.179302	1.204844	9435.88
6129.311	0.670204	1.180614	1.204335	9479.08
6130.095	0.666271	1.172591	1.205708	9456.36
6130.879	0.674415	1.166954	1.206071	9406.36
6131.663	0.684646	1.155442	1.198579	9851.44
6132.447	0.682243	1.132476	1.190491	10526.16
6133.231	0.687272	1.13134	1.179704	11444.08
6134.015	0.703562	1.124628	1.163969	12861.8
6134.809	0.708581	1.129206	1.163498	12798.24
6135.609	0.706565	1.147786	1.169529	12165.44
6136.41	0.704976	1.159859	1.166243	12226.84
6137.211	0.705411	1.173072	1.163146	12337.2

6138.012	0.718334	1.175825	1.162851	12552.6
6138.813	0.729564	1.171276	1.160367	12714.28
6139.613	0.725951	1.161663	1.15144	13589.72
6140.417	0.725672	1.146204	1.149981	13964.48
6141.222	0.729774	1.120305	1.147321	14481.4
6142.026	0.72474	1.106525	1.141135	15178.88
6142.83	0.731908	1.091121	1.136601	15653.16
6143.635	0.741191	1.056253	1.129967	16609.72
6144.439	0.741319	1.041449	1.13215	16720.92
6145.239	0.73986	1.055219	1.142754	15487.2
6146.026	0.729928	1.059582	1.148644	14591.56
6146.813	0.721897	1.062207	1.14986	14483.2
6147.599	0.714752	1.079311	1.154396	13866.32
6148.386	0.702331	1.097968	1.157477	13552
6149.173	0.700938	1.100928	1.159513	13568.16
6149.959	0.705663	1.098497	1.162573	13308.4
6150.728	0.709625	1.108931	1.164794	13003.52
6151.482	0.708067	1.123514	1.165798	12799.56
6152.237	0.702611	1.134774	1.165555	12816
6152.992	0.706227	1.133013	1.16648	12724.6
6153.746	0.708179	1.137381	1.169892	12366.24
6154.501	0.696919	1.148282	1.179611	11508.56
6155.256	0.700748	1.177261	1.200196	9702.6
6156.021	0.706159	1.210912	1.217733	8357.56
6156.788	0.700018	1.226657	1.22086	8195.56
6157.555	0.697554	1.228655	1.21861	8322.96
6158.322	0.693442	1.225692	1.212699	8750.24
6159.089	0.698627	1.225488	1.207551	9110.12
6159.855	0.697063	1.222722	1.208313	9088.68
6160.644	0.687692	1.225014	1.21119	8922.76
6161.496	0.694739	1.218233	1.208269	9135.6
6162.348	0.696029	1.20252	1.202801	9511.28
6163.2	0.702883	1.212086	1.205132	9306.08
6164.053	0.710494	1.242035	1.21251	8682.6
6164.905	0.704288	1.265436	1.21245	8555.96
6165.757	0.709749	1.267502	1.203454	9056.92
6166.698	0.717522	1.274568	1.201051	9089.24
6167.698	0.712378	1.272486	1.201409	9094.72
6168.698	0.7175	1.239232	1.198	9489.16
6169.698	0.721906	1.212357	1.193542	9871.04
6170.698	0.726273	1.221151	1.194763	9797.28
6171.698	0.723737	1.23903	1.209957	8857.76
6172.698	0.718913	1.205066	1.213814	8840.04
6173.812	0.713912	1.164313	1.220779	8503.32

6174.933	0.6884	1.137817	1.240185	7537.88
6176.054	0.695774	1.142753	1.224415	8507.52
6177.175	0.713652	1.151265	1.202485	9661.6
6178.296	0.717452	1.142588	1.200009	9894.8
6179.416	0.721874	1.156549	1.203949	9603.28
6180.551	0.712206	1.14927	1.209384	9290.04
6181.72	0.693666	1.132893	1.216902	8925.56
6182.89	0.689343	1.149412	1.225794	8325.16
6184.059	0.696129	1.156239	1.22964	8064.64
6185.229	0.701098	1.167836	1.233574	7767.28
6186.398	0.704415	1.159785	1.22518	8215.2
6187.567	0.715941	1.109932	1.210227	9325
6188.726	0.720678	1.082798	1.206309	9786.16
6189.878	0.71328	1.085595	1.203636	9946.56
6191.03	0.709042	1.073212	1.197615	10336.88
6192.182	0.707348	1.056303	1.2107	9439.88
6193.333	0.7091	1.056137	1.229968	8238.56
6194.485	0.696695	1.0804	1.243948	7399.72
6195.637	0.708366	1.101898	1.218796	9194.24
6196.764	0.724062	1.114231	1.191115	10887.08
6197.89	0.708362	1.117548	1.205482	9708.96
6199.017	0.687878	1.121532	1.225807	8520.88
6200.143	0.693882	1.103786	1.221386	8952.52
6201.269	0.704714	1.103722	1.212293	9399.52
6202.395	0.70279	1.098238	1.204486	9768.88
6203.52	0.707877	1.057468	1.200483	10176.6
6204.641	0.711326	1.042825	1.200729	10283.08
6205.762	0.708202	1.074093	1.198091	10448.44
6206.883	0.697599	1.119062	1.216514	9123
6208.004	0.693819	1.127621	1.229093	8120.56
6209.125	0.686683	1.132132	1.235762	7739.96
6210.247	0.670795	1.134279	1.244912	7356.52
6211.376	0.666352	1.162343	1.237483	7735.6
6212.51	0.682957	1.190967	1.223927	8470.76
6213.645	0.705125	1.195312	1.230653	8035.16
6214.779	0.707093	1.203664	1.24493	7227.92
6215.913	0.700846	1.193586	1.232877	7930.4
6217.047	0.70386	1.19724	1.228364	8038.52
6218.181	0.686874	1.193152	1.233984	7618.56
6219.32	0.665372	1.177719	1.234401	7668.76
6220.459	0.668626	1.191637	1.233914	7669.04
6221.599	0.680781	1.191585	1.225821	8151.72
6222.738	0.688319	1.168313	1.208683	9455.68
6223.877	0.691915	1.165516	1.200162	10002.04

6225.016	0.688818	1.164975	1.198086	10100.88
6226.15	0.686849	1.162641	1.199848	9945.24
6227.273	0.681573	1.163717	1.203415	9672.8
6228.396	0.680716	1.151516	1.195043	10383.08
6229.519	0.702127	1.153077	1.185658	11046
6230.642	0.706825	1.150333	1.184035	10952.4
6231.765	0.707816	1.136604	1.176767	11551.4
6232.888	0.716836	1.135086	1.167582	12359.12
6233.988	0.720766	1.133886	1.156646	13507.68
6235.077	0.728109	1.143803	1.157856	13397.88
6236.167	0.727714	1.128954	1.17012	12271.44
6237.256	0.718766	1.096484	1.166474	12812.12
6238.346	0.711195	1.08061	1.159732	13452.84
6239.435	0.704296	1.089385	1.177609	12026
6240.524	0.703468	1.101905	1.195209	10652.24
6241.596	0.708866	1.091193	1.193557	10689.72
6242.669	0.707061	1.07153	1.188771	10957.16
6243.741	0.714071	1.077813	1.167423	12980.36
6244.814	0.712042	1.090666	1.162009	13609.68
6245.886	0.714128	1.087544	1.172045	12671.16
6246.958	0.711394	1.093484	1.177964	12154.52
6248.037	0.712486	1.091805	1.17511	12423.76
6249.127	0.733586	1.088625	1.153066	14569.52
6250.216	0.729026	1.084622	1.158333	14104.88
6251.306	0.717747	1.080072	1.164325	13379.92
6252.395	0.721088	1.099322	1.148548	14840.52
6253.485	0.726165	1.115289	1.140509	15637.92
6254.575	0.722573	1.120596	1.139873	15604.52
6255.698	0.719251	1.129448	1.148312	14597.48
6256.834	0.723883	1.130071	1.153954	14014.84
6257.971	0.739166	1.12875	1.158776	13627.12
6259.107	0.743316	1.133157	1.157282	13647.68
6260.243	0.737971	1.130951	1.145252	14866.64
6261.38	0.749666	1.117028	1.136414	16021.56
6262.518	0.759213	1.099108	1.128188	17247.92
6263.69	0.758968	1.088814	1.121603	18220.92
6264.863	0.75346	1.092264	1.118258	18482.8
6266.035	0.745982	1.095965	1.122422	17702.88
6267.207	0.74049	1.101062	1.13249	16343.36
6268.379	0.735786	1.107296	1.140243	15563.4
6269.551	0.738576	1.101567	1.143935	15170.28
6270.724	0.750146	1.0848	1.136077	16255.44
6271.899	0.756341	1.071203	1.124514	17938.48
6273.074	0.751909	1.067541	1.119215	18676.48

6274.249	0.749462	1.076083	1.118745	18668.44
6275.424	0.751901	1.076662	1.118233	18815.52
6276.599	0.749051	1.068224	1.118408	18908.12
6277.774	0.745815	1.073072	1.12484	18101.12
6278.929	0.746737	1.080447	1.136726	16545.84
6280.078	0.749048	1.077435	1.135527	16394.84
6281.226	0.756856	1.064515	1.123692	18228
6282.374	0.761361	1.043004	1.114286	19859.52
6283.522	0.758938	1.027367	1.113304	20019.44
6284.671	0.750419	1.034742	1.125247	18396.96
6285.817	0.74203	1.038858	1.136021	16868.04
6286.94	0.743466	1.027031	1.13889	16535.56
6288.062	0.742299	1.027592	1.137598	16595.28
6289.185	0.741535	1.041201	1.137581	16349.4
6290.308	0.739196	1.037418	1.136706	16322.2
6291.431	0.73994	1.025073	1.136783	16403.64
6292.554	0.740374	1.024533	1.139496	16166.84
6293.673	0.73734	1.023486	1.143843	15688.96
6294.788	0.735558	1.020147	1.145948	15461.68
6295.903	0.733983	1.01786	1.140845	15960.36
6297.018	0.738338	1.003133	1.131187	17236.88
6298.133	0.74761	0.993908	1.121426	18663.72
6299.248	0.752752	0.99703	1.121139	18790.88
6300.363	0.750129	1.001493	1.126392	18219.44
6301.485	0.749678	1.004231	1.131883	17543.48
6302.608	0.742425	1.019346	1.138802	16439.6
6303.732	0.724983	1.039066	1.134675	16843.52
6304.855	0.699035	1.032856	1.136299	16494
6305.979	0.703984	1.025052	1.133539	16677.28
6307.102	0.730075	1.024131	1.120564	18510.76
6308.227	0.731172	1.033141	1.133221	16985.8
6309.359	0.727578	1.045721	1.153136	14383.52
6310.491	0.727019	1.044347	1.16422	13191.56
6311.622	0.736499	1.041688	1.159316	13794.52
6312.754	0.745125	1.041005	1.147471	15048.48
6313.886	0.735908	1.043542	1.144782	15234.88
6315.018	0.729707	1.049012	1.1386	16116.44
6316.15	0.736479	1.045178	1.128895	17414.16
6317.283	0.733302	1.042993	1.127011	17662.76
6318.415	0.734661	1.057318	1.132771	16968
6319.547	0.74663	1.074368	1.142699	15569.12
6320.679	0.756695	1.092105	1.151623	14452.24
6321.811	0.762071	1.104422	1.155141	13918.92
6322.943	0.767508	1.11296	1.155842	13679.56

6324.07	0.774019	1.108095	1.153742	14157.36
6325.195	0.777799	1.088886	1.142969	15559.96
6326.32	0.771028	1.079968	1.124577	17595.2
6327.445	0.767433	1.082106	1.115472	18562.36
6328.57	0.769398	1.089702	1.115629	18015.88
6329.695	0.763501	1.09703	1.11463	18124.4
6330.82	0.759548	1.095936	1.110502	18853.24
6331.944	0.756901	1.091519	1.108381	18851.36
6333.068	0.750231	1.090934	1.105354	18947.72
6334.191	0.744033	1.091602	1.108155	18162.44
6335.315	0.744334	1.087525	1.11272	17745.4
6336.439	0.752764	1.081304	1.103443	19452.92
6337.563	0.75909	1.081414	1.097407	20153.56
6338.692	0.755926	1.090073	1.09772	20131.4
6339.828	0.751579	1.089992	1.093534	20994.84
6340.963	0.755403	1.087851	1.092658	21113.32
6342.099	0.75433	1.091777	1.098314	20283.12
6343.234	0.747243	1.102355	1.106819	18986.6
6344.369	0.754632	1.120391	1.109312	18289.56
6345.505	0.763176	1.126335	1.104704	18906.44
6346.659	0.762539	1.124437	1.10056	20158.28
6347.817	0.767238	1.12607	1.094393	21422.08
6348.975	0.772149	1.121638	1.08865	22003.96
6350.134	0.771791	1.114997	1.08597	22105.64
6351.292	0.768675	1.118221	1.086489	21994.72
6352.45	0.767483	1.122335	1.086248	22209.6
6353.612	0.765333	1.125409	1.087938	22231.8
6354.791	0.764191	1.139117	1.095514	21011.88
6355.97	0.765932	1.140975	1.097589	20718.56
6357.149	0.770216	1.135837	1.096197	20944.84
6358.328	0.767547	1.139157	1.099285	20510.04
6359.508	0.765517	1.132376	1.099931	20466.32
6360.687	0.764945	1.120726	1.098704	20567.36
6361.872	0.755355	1.121609	1.097403	20874.48
6363.062	0.755741	1.122565	1.094426	21125.56
6364.252	0.757518	1.114698	1.095571	20917.88
6365.443	0.755716	1.12888	1.104163	19477.68
6366.633	0.756278	1.148325	1.112917	17912.88
6367.824	0.75638	1.140253	1.112338	18085.08
6369.014	0.757281	1.130582	1.10103	19813.48
6370.207	0.767776	1.153207	1.092963	20394.52
6371.399	0.772197	1.19742	1.096336	18900.88
6372.592	0.767227	1.227392	1.105357	17201.88
6373.785	0.764976	1.22664	1.106638	16978.16

6374.978	0.765348	1.216674	1.104416	17282.56
6376.17	0.772819	1.200338	1.099434	18257.44
6377.363	0.775703	1.174119	1.094918	19476.8
6378.554	0.774107	1.149366	1.097884	19775.72
6379.745	0.771413	1.123453	1.093539	21004.44
6380.936	0.770442	1.103135	1.086034	22278.32
6382.127	0.772665	1.099798	1.083799	22582.12
6383.318	0.773703	1.094369	1.081736	23069.32
6384.509	0.774839	1.086267	1.081623	23583.72
6385.699	0.774429	1.092827	1.083165	23332.48
6386.887	0.768873	1.103981	1.086164	22534.24
6388.075	0.762905	1.112554	1.090454	21583.84
6389.263	0.762524	1.114652	1.095209	20835.84
6390.452	0.757007	1.113006	1.099425	20286.76
6391.64	0.754219	1.119899	1.103391	19513.08
6392.828	0.751429	1.130226	1.11258	18188.52
6394.013	0.745773	1.126861	1.119949	17469.24
6395.198	0.745249	1.120975	1.121494	17501.53
6396.382	0.744764	1.121875	1.122268	17414.1
6397.567	0.74428	1.122774	1.123042	17326.66
6398.751	0.743795	1.123673	1.123816	17239.22
6399.936	0.743311	1.124573	1.124591	17151.78
6401.12	0.742826	1.125472	1.125365	17064.35
6402.303	0.742342	1.126371	1.126139	16976.91
6403.487	0.741857	1.12727	1.126913	16889.47
6404.67	0.741373	1.12817	1.127687	16802.03
6405.853	0.740888	1.129069	1.128461	16714.6
6407.036	0.740404	1.129968	1.129236	16627.16
6408.22	0.739919	1.130868	1.13001	16539.72
6409.405	0.739435	1.131767	1.130784	16452.28
6410.591	0.738951	1.132666	1.131558	16364.85
6411.777	0.738466	1.133566	1.132332	16277.41
6412.963	0.737982	1.134465	1.133106	16189.97
6414.149	0.737497	1.135364	1.133881	16102.53
6415.335	0.737013	1.136264	1.134655	16015.1
6416.521	0.736528	1.137163	1.135429	15927.66
6417.712	0.736044	1.138062	1.136203	15840.22
6418.904	0.735559	1.138962	1.136977	15752.78
6420.097	0.735075	1.139861	1.137751	15665.35
6421.289	0.73459	1.14076	1.138526	15577.91
6422.481	0.734106	1.14166	1.1393	15490.47
6423.673	0.733621	1.142559	1.140074	15403.03
6424.866	0.733137	1.143458	1.140848	15315.6
6426.06	0.732652	1.144358	1.141622	15228.16

6427.253	0.732168	1.145257	1.142396	15140.72
6428.447	0.731684	1.146156	1.143171	15053.28
6429.641	0.731199	1.147056	1.143945	14965.85
6430.835	0.730715	1.147955	1.144719	14878.41
6432.029	0.73023	1.148854	1.145493	14790.97
6433.219	0.729746	1.149753	1.146267	14703.53
6434.406	0.729261	1.150653	1.147041	14616.1
6435.594	0.728777	1.151552	1.147816	14528.66
6436.781	0.728292	1.152451	1.14859	14441.22
6437.968	0.727808	1.153351	1.149364	14353.78
6439.155	0.727323	1.15425	1.150138	14266.35
6440.342	0.726839	1.155149	1.150912	14178.91
6441.516	0.726354	1.156049	1.151686	14091.47
6442.689	0.72587	1.156948	1.152461	14004.03
6443.862	0.725386	1.157847	1.153235	13916.6
6445.035	0.724901	1.158747	1.154009	13829.16
6446.208	0.724417	1.159646	1.154783	13741.72
6447.381	0.723932	1.160545	1.155557	13654.28
6448.551	0.723448	1.161445	1.156331	13566.85
6449.713	0.722963	1.162344	1.157106	13479.41
6450.876	0.722479	1.163243	1.15788	13391.97
6452.038	0.721994	1.164143	1.158654	13304.53
6453.201	0.72151	1.165042	1.159428	13217.1
6454.363	0.721025	1.165941	1.160202	13129.66
6455.526	0.720541	1.166841	1.160976	13042.22
6456.688	0.720056	1.16774	1.161751	12954.78
6457.851	0.719572	1.168639	1.162525	12867.35
6459.014	0.719087	1.169539	1.163299	12779.91
6460.176	0.718603	1.170438	1.164073	12692.47
6461.339	0.718119	1.171337	1.164847	12605.03
6462.502	0.717634	1.172236	1.165621	12517.6
6463.664	0.71715	1.173136	1.166396	12430.16
6464.836	0.716665	1.174035	1.16717	12342.72
6466.009	0.716181	1.174934	1.167944	12255.28
6467.181	0.715696	1.175834	1.168718	12167.85
6468.353	0.715212	1.176733	1.169492	12080.41
6469.526	0.714727	1.177632	1.170266	11992.97
6470.698	0.718764	1.181721	1.177215	11550.08
6471.873	0.714151	1.184023	1.186186	10963.16
6473.054	0.710434	1.180414	1.182155	11270
6474.235	0.713727	1.187043	1.179132	11462.92
6475.416	0.70386	1.191544	1.191395	10508.04
6476.598	0.68979	1.16459	1.194164	10434.04
6477.779	0.68633	1.136943	1.18665	11135.64

6478.96	0.693482	1.151207	1.188503	10876.92
6480.142	0.699931	1.176531	1.187719	10864.88
6481.325	0.709014	1.188426	1.1829	11195.96
6482.508	0.714432	1.185934	1.187148	10966.16
6483.691	0.708316	1.174101	1.198826	10214.28
6484.873	0.705505	1.158953	1.199875	10008.68
6486.056	0.705042	1.160442	1.197236	10134.56
6487.239	0.693194	1.161543	1.201003	9879.68
6488.417	0.679448	1.152939	1.195021	10369.84
6489.595	0.675479	1.166098	1.192499	10614.84
6490.774	0.690724	1.189082	1.198777	10012.6
6491.952	0.700942	1.196625	1.198467	9970.32
6493.13	0.704737	1.198451	1.192803	10335.48
6494.308	0.714008	1.208361	1.187766	10716.56
6495.485	0.720238	1.212754	1.188476	10773.92
6496.658	0.726614	1.21161	1.18824	10829.16
6497.832	0.729663	1.216192	1.180231	11347.96
6499.006	0.737029	1.229807	1.17237	11718.72
6500.18	0.744821	1.239023	1.16592	11996.2
6501.354	0.740643	1.23741	1.160056	12424.36
6502.528	0.737521	1.241566	1.162772	12175.28
6503.702	0.741875	1.25194	1.168107	11602.28
6504.876	0.742378	1.255451	1.17329	11265.88
6506.05	0.733005	1.243837	1.171038	11468.8
6507.224	0.727562	1.24105	1.174976	11124.64
6508.398	0.723755	1.239454	1.180488	10859.04
6509.573	0.725711	1.239706	1.179017	10907.48
6510.747	0.725777	1.248709	1.182397	10457.28
6511.925	0.724827	1.252778	1.190089	9868.6
6513.103	0.726935	1.253323	1.193409	9612.76
6514.282	0.729979	1.261709	1.194009	9561.2
6515.46	0.725594	1.25266	1.179503	10801.96
6516.638	0.719951	1.239167	1.166673	11892.68
6517.817	0.730755	1.249775	1.17482	11219.8
6518.995	0.73058	1.261588	1.181413	10548.48
6520.174	0.719393	1.262185	1.185651	10173.4
6521.353	0.721615	1.26117	1.193488	9687.44
6522.532	0.72763	1.266162	1.197903	9343.32
6523.712	0.717285	1.265493	1.195885	9584.36
6524.891	0.720383	1.265713	1.194048	9756.56
6526.07	0.730787	1.267859	1.204025	9070.84
6527.244	0.737887	1.264376	1.209556	8791.6
6528.415	0.747823	1.252208	1.204045	9376.24
6529.587	0.735882	1.245939	1.203007	9639.32

6530.759	0.726581	1.272644	1.211822	8838.28
6531.931	0.728562	1.300867	1.214271	8318.96
6533.102	0.727622	1.297116	1.207611	8644.12
6534.274	0.724995	1.288488	1.201838	9092.56
6535.431	0.725318	1.301867	1.203444	8921.8
6536.589	0.732351	1.315866	1.212894	8264.04
6537.746	0.709321	1.312337	1.218655	8000.64
6538.903	0.701756	1.313001	1.219653	7927.4
6540.061	0.717434	1.313501	1.210441	8334.68
6541.218	0.722348	1.318581	1.206619	8516.08
6542.371	0.722142	1.310251	1.203545	8804.88
6543.516	0.720834	1.294571	1.208196	8642.84
6544.661	0.724078	1.297603	1.218104	8021.44
6545.806	0.717422	1.295614	1.215457	8225.76
6546.951	0.716105	1.295623	1.219269	8187.52
6548.095	0.718462	1.297367	1.226899	7742.04
6549.24	0.712199	1.282799	1.224558	7867.2
6550.382	0.704334	1.270842	1.215792	8290.48
6551.521	0.717707	1.279584	1.210857	8471.4
6552.661	0.732377	1.27872	1.200918	9265.28
6553.801	0.721307	1.252472	1.198377	9665.32
6554.94	0.710325	1.230885	1.212206	8830.72
6556.08	0.706203	1.237878	1.221694	8163.96
6557.22	0.709279	1.237123	1.222521	8390.32
6558.361	0.709729	1.226428	1.220472	8673.12
6559.503	0.695092	1.221085	1.219884	8589
6560.644	0.691281	1.209674	1.214701	8984.08
6561.786	0.690566	1.205816	1.215355	8981.6
6562.927	0.677456	1.194643	1.210059	9287.48
6564.068	0.68637	1.195522	1.193605	10288
6565.211	0.710031	1.210881	1.188608	10459.2
6566.356	0.720516	1.225742	1.191302	10111.4
6567.501	0.716126	1.230412	1.184139	10645.6
6568.645	0.709241	1.210004	1.174838	11535.72
6569.79	0.705561	1.202187	1.178767	11320.72
6570.935	0.703648	1.199355	1.179221	11327.24
6572.08	0.712631	1.19659	1.172281	11718.52
6573.226	0.713995	1.199741	1.166905	11898.96
6574.372	0.723395	1.179339	1.156579	12967.64
6575.519	0.7455	1.151767	1.138648	14988.8
6576.666	0.754277	1.146453	1.133589	15719.28
6577.812	0.757353	1.146179	1.139712	15076.96
6578.959	0.755164	1.13202	1.154194	13826.52
6580.106	0.750168	1.136535	1.159964	13356.04

6581.253	0.752761	1.124169	1.150542	14514.76
6582.4	0.751044	1.088465	1.146389	15073.52
6583.547	0.75004	1.064004	1.143042	15365.76
6584.694	0.757659	1.050932	1.13731	16216.24
6585.841	0.763007	1.050839	1.129061	17205.12
6586.988	0.76219	1.043634	1.121818	18167.6
6588.135	0.752824	1.038405	1.126279	17763.64
6589.281	0.748691	1.0335	1.12801	17488.92
6590.427	0.75534	1.026667	1.125517	17622.08
6591.573	0.755012	1.014824	1.127623	17603.84
6592.719	0.752217	1.011706	1.123655	18354.8
6593.865	0.750025	1.016204	1.121092	18501.36
6595.011	0.743653	1.018059	1.13325	16936.48
6596.155	0.731474	1.018367	1.154342	14617.08
6597.299	0.734269	1.004741	1.154691	14566.04
6598.442	0.745284	1.003197	1.137434	16626.72
6599.586	0.745594	1.014823	1.130142	17382.68
6600.73	0.741633	1.009684	1.125038	18087.6
6601.874	0.738354	1.020137	1.125017	18107
6603.017	0.736273	1.039044	1.1301	17229.68
6604.157	0.738911	1.049641	1.131191	17132.88
6605.297	0.738385	1.066303	1.133614	16861.6
6606.438	0.734035	1.073725	1.137939	16286.04
6607.578	0.731091	1.06729	1.142041	15825.2
6608.718	0.736069	1.075681	1.135781	16553.4
6609.859	0.745694	1.090367	1.127411	17389.8
6610.998	0.749628	1.09389	1.127048	17679.48
6612.137	0.748695	1.084798	1.123536	18340.68
6613.275	0.7506	1.079598	1.122545	18449.8
6614.414	0.751863	1.096004	1.128225	17456.64
6615.553	0.744271	1.095439	1.127934	17247.68
6616.691	0.745299	1.095972	1.128743	17162.4
6617.83	0.749087	1.109125	1.138313	16002.48
6618.97	0.742675	1.120707	1.14522	15168.4
6620.11	0.738028	1.138361	1.145251	14973.52
6621.251	0.737156	1.146477	1.147327	14527.8
6622.391	0.732692	1.134581	1.147427	14539.36
6623.532	0.718983	1.111473	1.159586	13562.28
6624.672	0.72404	1.098456	1.159896	13677.64
6625.813	0.73227	1.086227	1.146731	15006.52
6626.959	0.741242	1.076777	1.138456	15912
6628.104	0.748235	1.087474	1.132885	16578.12
6629.25	0.732397	1.07117	1.132331	16762.64
6630.395	0.722101	1.061473	1.143178	15574

6631.541	0.704985	1.112741	1.178215	12181.2
6632.686	0.676167	1.149504	1.208118	9699.28
6633.834	0.678709	1.167835	1.215819	9078.6
6634.984	0.690632	1.190177	1.221933	8604.44
6636.134	0.68887	1.190472	1.225766	8381.28
6637.284	0.69498	1.190028	1.228018	8351.52
6638.434	0.698242	1.192881	1.224616	8408.68
6639.584	0.69709	1.203658	1.21507	8662.2
6640.734	0.700832	1.221719	1.217978	8530.92
6641.885	0.690211	1.242947	1.236786	7657.44
6643.037	0.698615	1.244782	1.234713	7864.44
6644.189	0.704803	1.241961	1.228591	8164.64
6645.341	0.686719	1.247675	1.23721	7599.16
6646.493	0.695003	1.256446	1.237111	7567.8
6647.645	0.704209	1.257153	1.232645	7789.44
6648.796	0.711021	1.250507	1.233784	7807.72
6649.948	0.718333	1.261675	1.247335	7129.32
6651.099	0.702954	1.266933	1.267683	6217.96
6652.25	0.693465	1.262084	1.260536	6530.92
6653.401	0.698801	1.251591	1.239642	7387.52
6654.552	0.707145	1.229337	1.232058	7809.4
6655.704	0.714444	1.225441	1.230318	7922.04
6656.854	0.719251	1.246116	1.23391	7590.48
6658.004	0.724765	1.254793	1.234984	7518.48
6659.154	0.73077	1.253542	1.233574	7692.2
6660.304	0.735133	1.241974	1.227377	8057.92
6661.454	0.7308	1.228834	1.217214	8628.04
6662.604	0.727678	1.219039	1.20903	9211.64
6663.754	0.738731	1.205946	1.192492	10363.72
6664.904	0.748212	1.19277	1.176925	11486.92
6666.053	0.746875	1.173977	1.169191	12252.6
6667.203	0.744751	1.144066	1.164947	12740.96
6668.352	0.748287	1.112333	1.158675	13523.92
6669.502	0.743629	1.084285	1.147401	14935.96
6670.651	0.741087	1.062692	1.142153	15824.48
6671.801	0.741948	1.050523	1.149621	15145.44
6672.951	0.735083	1.048694	1.172924	12697.92
6674.1	0.727765	1.046812	1.178813	11975.36
6675.25	0.721721	1.068428	1.179134	12029.12
6676.4	0.721355	1.095636	1.186362	11384.52
6677.55	0.715333	1.075818	1.164752	13474.36
6678.7	0.72032	1.055194	1.153868	14602.72
6679.85	0.739548	1.045677	1.156528	14338.24
6681	0.74299	1.030037	1.143527	15777

6682.15	0.740584	1.021194	1.136559	16588.68
6683.3	0.741735	1.029405	1.137463	16671.68
6684.45	0.744745	1.048728	1.135301	16904.32
6685.6	0.750613	1.051707	1.125841	18074.36
6686.75	0.755688	1.059788	1.118365	19117.56
6687.9	0.756021	1.06744	1.11537	19496.04
6689.05	0.753256	1.061097	1.109352	20353
6690.2	0.747837	1.085333	1.108477	20317.68
6691.35	0.755634	1.118552	1.128387	17519.16
6692.5	0.762973	1.110531	1.125834	17651.56
6693.65	0.761061	1.086251	1.103388	20722.28
6694.8	0.770049	1.078813	1.09538	22074.08
6695.95	0.772973	1.091438	1.09491	21851.2
6697.1	0.765707	1.107794	1.096946	21453.08
6698.249	0.756828	1.103175	1.097313	21795.68
6699.399	0.765752	1.091754	1.121302	18534.88
6700.549	0.761824	1.06964	1.132513	16841.92
6701.698	0.749265	1.049974	1.115408	19469.44
6702.848	0.759419	1.038023	1.107229	20811.48
6703.997	0.764914	1.046674	1.101977	21121.92
6705.147	0.759356	1.077893	1.102119	20767.44
6706.297	0.757681	1.087542	1.106895	20055.16
6707.446	0.754433	1.073724	1.103759	20581.36
6708.596	0.759169	1.068768	1.103823	20713.96
6709.745	0.763165	1.066463	1.108124	19854.32
6710.896	0.751565	1.046368	1.106246	20238.44
6712.046	0.751916	1.048516	1.105498	20697.8
6713.196	0.757162	1.068478	1.10937	20125.64
6714.346	0.755194	1.086669	1.115891	18702.96
6715.497	0.756886	1.094401	1.115886	18583.84
6716.647	0.759775	1.081117	1.106179	20300.2
6717.798	0.769152	1.067292	1.100045	21243.32
6718.95	0.777732	1.058957	1.100485	21186.76
6720.101	0.78312	1.055952	1.111852	19575.36
6721.253	0.775114	1.042037	1.120743	18388.6
6722.405	0.75843	1.023147	1.122001	18589.68
6723.557	0.761682	1.008817	1.110252	20611.68
6724.709	0.772832	1.008626	1.097282	22498.8
6725.862	0.779052	1.013928	1.098265	22105.2
6727.016	0.775129	1.016367	1.109606	20129
6728.17	0.761268	1.007123	1.121523	18537.12
6729.323	0.754432	0.98805	1.123311	18395.52
6730.477	0.75426	0.984491	1.124008	18364.76
6731.631	0.750852	0.987167	1.123169	18688.12

6732.785	0.743259	0.989263	1.118222	19502.72
6733.942	0.737687	0.996332	1.119006	19408.12
6735.098	0.726223	1.010386	1.1279	17825.88
6736.255	0.7241	1.025114	1.132314	17131.24
6737.412	0.72692	1.044546	1.139711	16223.2
6738.568	0.731967	1.058259	1.151915	14646.68
6739.725	0.740262	1.051507	1.149248	14843.96
6740.883	0.741747	1.026302	1.130312	17350.88
6742.042	0.743984	1.015951	1.118225	19165.04
6743.202	0.749129	1.043413	1.12784	17741.88
6744.362	0.740544	1.061467	1.131581	16901.44
6745.522	0.728168	1.050429	1.120579	18334.2
6746.682	0.726991	1.032185	1.112844	19579.52
6747.841	0.734324	1.042028	1.118174	19025.76
6749.002	0.741546	1.089528	1.142784	15864.52
6750.163	0.735944	1.112854	1.153077	14149.08
6751.325	0.724068	1.101272	1.145827	14925.08
6752.486	0.722631	1.093408	1.144959	15043.56
6753.647	0.719028	1.074024	1.142376	15092.16
6754.808	0.732096	1.037266	1.123273	17824.16
6755.969	0.745982	1.007719	1.106538	20662.4
6757.129	0.736079	0.996862	1.106745	20720.4
6758.289	0.724807	0.992062	1.117463	19157.2
6759.448	0.700363	1.003243	1.142355	15970.28
6760.608	0.694007	1.030519	1.16094	13659.08
6761.768	0.697589	1.054644	1.178247	12018.76
6762.927	0.629094	1.046136	1.227697	8858.84
6764.086	0.604382	1.019309	1.2695	6634.84
6765.241	0.681055	1.039765	1.241878	8048.28
6766.396	0.71116	1.061087	1.197483	10403.12
6767.551	0.700731	1.068818	1.184506	11434.6
6768.706	0.706339	1.083306	1.179175	11905.16
6769.862	0.710568	1.089175	1.174244	12219.24
6771.017	0.71756	1.098618	1.161249	13558.4
6772.169	0.728609	1.102681	1.152187	14206.92
6773.32	0.731414	1.112915	1.154292	13813.76
6774.47	0.73293	1.138194	1.171019	12309.84
6775.621	0.729987	1.144371	1.185213	11090.88
6776.772	0.72233	1.121781	1.172923	12323.48
6777.922	0.724666	1.10508	1.165476	12986.24
6779.073	0.716991	1.099823	1.18665	11254.64
6780.221	0.711038	1.084323	1.184016	11630.64
6781.368	0.714987	1.060117	1.154419	14271.4
6782.516	0.715605	1.061392	1.155346	14101.28

6783.664	0.72318	1.075005	1.169748	12682.68
6784.812	0.72928	1.064242	1.1562	14176.28
6785.959	0.732376	1.062441	1.140408	15879.56
6787.107	0.726873	1.100048	1.1479	14862.44
6788.253	0.722239	1.124385	1.146978	14782.88
6789.4	0.73546	1.123757	1.134205	16142.56
6790.546	0.738374	1.111849	1.120902	17752.44
6791.693	0.737855	1.11051	1.117014	18335.28
6792.84	0.741259	1.122881	1.129513	16906.44
6793.986	0.735565	1.132645	1.136542	15903.48
6795.134	0.726959	1.142659	1.13969	15436.36
6796.282	0.713924	1.140348	1.141874	15103.12
6797.429	0.719438	1.138057	1.158418	13476.96
6798.577	0.747453	1.131319	1.184112	11166.24
6799.725	0.74813	1.10575	1.172818	12324
6800.873	0.742837	1.085686	1.155113	14001.56
6802.021	0.738641	1.072759	1.142132	15648.64
6803.173	0.72879	1.078231	1.132024	16770.52
6804.325	0.731542	1.101527	1.146582	14830.56
6805.477	0.725696	1.088752	1.143674	15279.16
6806.629	0.718136	1.088549	1.147157	14980.88
6807.781	0.730818	1.109888	1.170207	12380.12
6808.933	0.731234	1.099363	1.178288	11621
6810.088	0.726831	1.090311	1.170568	12425.72
6811.247	0.725999	1.077813	1.160701	13511.64
6812.406	0.719892	1.053542	1.158364	13924.56
6813.565	0.724795	1.050867	1.156381	14010.2
6814.724	0.727895	1.061379	1.156994	13771.96
6815.882	0.729977	1.079243	1.157242	13815.68
6817.041	0.732586	1.095353	1.153103	14337.52
6818.204	0.728899	1.079892	1.141363	15633.28
6819.369	0.730045	1.067775	1.134264	16379.88
6820.534	0.726113	1.079271	1.141405	15666.68
6821.699	0.717257	1.09382	1.145918	15224.16
6822.864	0.71833	1.110582	1.141525	15563.08
6824.028	0.721592	1.120197	1.135455	16159.16
6825.193	0.72668	1.134979	1.141789	15077.24
6826.361	0.731035	1.133712	1.143276	14831.68
6827.528	0.725306	1.104629	1.129968	16878.64
6828.696	0.726575	1.083939	1.120998	18217.56
6829.863	0.727728	1.088755	1.121701	18073.92
6831.03	0.727425	1.097274	1.12618	17376.4
6832.198	0.722568	1.092317	1.134533	16388.28
6833.365	0.717592	1.096756	1.141388	15576.84

6834.532	0.721643	1.101941	1.138802	15716.12
6835.699	0.727878	1.135283	1.139776	15262.72
6836.866	0.72404	1.147339	1.146097	14438
6838.032	0.711345	1.113105	1.15119	14103.08
6839.199	0.716801	1.112174	1.163862	13073.84
6840.366	0.719229	1.12596	1.165026	12859.32
6841.532	0.701823	1.140665	1.168994	12391.96
6842.697	0.692037	1.155502	1.180347	11375.96
6843.862	0.693852	1.161248	1.186094	10885.44
6845.028	0.689018	1.175175	1.193803	10264.44
6846.193	0.691118	1.191471	1.192447	10374.08
6847.358	0.689404	1.202833	1.196002	10089.44
6848.523	0.688365	1.216724	1.204292	9322.32
6849.687	0.694618	1.209983	1.202155	9519.6
6850.852	0.695874	1.201548	1.198033	9913.76
6852.016	0.69476	1.208967	1.191871	10187.32
6853.18	0.692759	1.203368	1.180087	11133.32
6854.344	0.701911	1.193672	1.175505	11660.56
6855.508	0.69955	1.179505	1.174561	11777.56
6856.672	0.702911	1.167761	1.171285	12065.2
6857.836	0.71187	1.171266	1.169802	12270.4
6859	0.71156	1.167004	1.168786	12445.76
6860.164	0.712932	1.159781	1.172734	12080.32
6861.327	0.714488	1.16243	1.175469	11915.12
6862.491	0.708408	1.148981	1.168906	12600.36
6863.655	0.704061	1.131543	1.16003	13324.44
6864.819	0.712321	1.134822	1.152804	13952.52
6865.983	0.714416	1.139387	1.147843	14611.96
6867.147	0.724897	1.125777	1.140676	15507.4
6868.311	0.736808	1.113104	1.131335	16559.36
6869.475	0.732573	1.102269	1.129231	16841.96
6870.639	0.729332	1.101677	1.132641	16507.68
6871.804	0.729765	1.126339	1.142495	15189.08
6872.969	0.720166	1.146204	1.149639	14094.92
6874.135	0.708964	1.147834	1.151161	13877.12
6875.301	0.717739	1.146704	1.150755	14020.32
6876.467	0.726552	1.153288	1.149298	14140.24
6877.632	0.72423	1.145619	1.144982	14597.84
6878.798	0.724006	1.133433	1.137198	15578.72
6879.965	0.718831	1.122213	1.13372	16006.44
6881.134	0.717817	1.109244	1.137127	15778.44
6882.302	0.724609	1.126388	1.138475	15439.2
6883.471	0.718342	1.149833	1.14175	14801.52
6884.639	0.722694	1.154548	1.140103	14945.36

6885.808	0.736598	1.153583	1.129776	15994.96
6886.976	0.743471	1.155278	1.125289	16461.8
6888.147	0.745066	1.157166	1.123904	16651.16
6889.317	0.739353	1.154435	1.123873	16580
6890.488	0.740217	1.152487	1.125525	16351.12
6891.658	0.744373	1.155014	1.129233	15967.48
6892.829	0.741038	1.149978	1.134501	15615.48
6893.999	0.734479	1.140113	1.13713	15424.56
6895.17	0.731221	1.136324	1.138533	15239.36
6896.34	0.729193	1.129942	1.138464	15443.88
6897.51	0.727353	1.118995	1.136815	15718.92
6898.681	0.721433	1.11371	1.141363	15106.68
6899.851	0.721921	1.112208	1.148636	14335.72
6901.021	0.719737	1.123669	1.154765	13788.76
6902.192	0.709939	1.149459	1.16317	12837.48
6903.361	0.705399	1.16054	1.169374	12121.24
6904.53	0.703513	1.168502	1.175512	11621.52
6905.698	0.698075	1.180179	1.182333	11088.48
6906.867	0.702059	1.181323	1.174444	11783.08
6908.035	0.714761	1.17382	1.168349	12569.32
6909.203	0.711511	1.162183	1.17488	11978.84
6910.372	0.696682	1.16086	1.180296	11334.24
6911.54	0.701739	1.177222	1.176209	11598
6912.708	0.709488	1.178187	1.166306	12364.64
6913.876	0.69946	1.167785	1.165502	12499.76
6915.044	0.69884	1.172616	1.169612	12146.96
6916.211	0.704703	1.172187	1.168544	12317.2
6917.379	0.704449	1.17317	1.16811	12470.56
6918.548	0.703637	1.175439	1.162209	13024.4
6919.719	0.706662	1.182261	1.15638	13342.28
6920.89	0.707205	1.199527	1.163275	12378.8
6922.062	0.704351	1.205098	1.167686	11953.8
6923.233	0.708606	1.196535	1.160286	12676.12
6924.404	0.715818	1.185939	1.150833	13607.24
6925.575	0.716713	1.186367	1.144297	14136.44
6926.75	0.720451	1.192276	1.13936	14551.88
6927.928	0.724832	1.18982	1.139055	14689.84
6929.106	0.726934	1.195878	1.137853	14764.6
6930.284	0.725101	1.223747	1.138173	14233.08
6931.463	0.726041	1.266014	1.15013	12435.12
6932.641	0.727379	1.289263	1.160615	11261.92
6933.819	0.722293	1.290158	1.166664	10877.4
6935.003	0.715648	1.289892	1.170054	10615.24
6936.187	0.710659	1.281849	1.17174	10456.08

6937.372	0.707754	1.257311	1.168898	10953.64
6938.556	0.704384	1.234323	1.163977	11632.84
6939.741	0.702351	1.20689	1.156749	12573.12
6940.926	0.706625	1.188321	1.149606	13374.72
6942.111	0.708423	1.170791	1.14507	13886
6943.298	0.708465	1.142649	1.13669	14988.36
6944.486	0.711488	1.139922	1.143139	14353.64
6945.674	0.716025	1.152641	1.148192	13586.2
6946.861	0.71841	1.156983	1.140643	14286.84
6948.049	0.72018	1.148946	1.134269	15123.92
6949.237	0.723126	1.1383	1.129214	16002.88
6950.424	0.725568	1.135859	1.130914	16108.4
6951.611	0.724894	1.131775	1.133617	16038.6
6952.798	0.715186	1.133494	1.140487	15244.92
6953.986	0.704554	1.14449	1.155223	13469.96
6955.173	0.701629	1.148608	1.162789	12794.44
6956.36	0.705803	1.147025	1.157936	13235.44
6957.547	0.701937	1.133632	1.146191	14389.88
6958.731	0.701084	1.124405	1.143864	14789.56
6959.914	0.706173	1.120611	1.150755	14165.24
6961.098	0.702725	1.109027	1.156842	13629.92
6962.281	0.700288	1.106176	1.162316	13189.24
6963.465	0.707594	1.125785	1.164177	12974
6964.648	0.710795	1.139975	1.162836	12970.68
6965.83	0.711865	1.128919	1.156034	13529.48
6967.006	0.716986	1.116095	1.142887	14949.64
6968.183	0.726881	1.112611	1.128715	16773.84
6969.359	0.736383	1.117431	1.121886	17582.56
6970.535	0.739669	1.137072	1.125358	16920.28
6971.712	0.743172	1.151596	1.128129	16424.88
6972.888	0.741018	1.154961	1.12709	16463.8
6974.059	0.741066	1.15104	1.124789	16772
6975.225	0.737895	1.133616	1.12372	17234.76
6976.392	0.722347	1.132464	1.134664	16190.56
6977.558	0.705111	1.147434	1.155107	13677.76
6978.725	0.702102	1.160347	1.164657	12515.36
6979.891	0.697219	1.167107	1.163986	12705.36
6981.058	0.69421	1.168979	1.163655	12812.44
6982.217	0.706377	1.162517	1.157414	13388.88
6983.376	0.722156	1.147929	1.145265	14656.44
6984.535	0.732839	1.126472	1.130608	16470.64
6985.694	0.735617	1.11216	1.121517	17739.4
6986.853	0.72814	1.113179	1.124837	17424.76
6988.012	0.722459	1.121436	1.128686	16952.44

6989.171	0.722221	1.13126	1.12636	16936.56
6990.329	0.726352	1.1453	1.130044	16199.44
6991.487	0.730297	1.163119	1.134951	15438.76
6992.645	0.730818	1.183814	1.134741	15115.96
6993.803	0.739049	1.200822	1.132011	14995.28
6994.961	0.74881	1.209212	1.129538	14934.08
6996.119	0.753924	1.212526	1.131795	14703.16
6997.28	0.753212	1.201898	1.128803	15244.32
6998.443	0.757596	1.189178	1.121033	16195.68
6999.606	0.7603	1.17603	1.114961	17213.52
7000.769	0.755743	1.153913	1.108652	18275.88
7001.932	0.750443	1.143602	1.110693	18087.64
7003.095	0.750739	1.153939	1.117547	17282.68
7004.258	0.754172	1.158492	1.119786	17072.96
7005.426	0.756734	1.147729	1.116143	17790.76
7006.595	0.760172	1.132371	1.111409	18725.72
7007.765	0.756257	1.114986	1.109136	19051.72
7008.934	0.753632	1.115322	1.108665	18870.44
7010.103	0.755849	1.114612	1.107703	19164.72
7011.272	0.75817	1.095739	1.104201	20030.04
7012.442	0.755925	1.082071	1.10337	20394.16
7013.615	0.757121	1.06146	1.098394	21459.28
7014.788	0.755309	1.03867	1.090561	22809.84
7015.96	0.75473	1.026049	1.089769	23032.28
7017.133	0.759978	1.024904	1.091791	22470.8
7018.306	0.762538	1.015873	1.089535	22496.84
7019.479	0.765972	1.003883	1.086622	23331.6
7020.652	0.763084	1.020318	1.090873	22533.44
7021.826	0.756104	1.047046	1.096877	21438.44
7023	0.749118	1.057674	1.102571	20599.8
7024.173	0.743956	1.062175	1.108166	19333.52
7025.347	0.742993	1.073293	1.113388	18581.08
7026.521	0.738635	1.088571	1.117092	18095.88
7027.694	0.738965	1.094777	1.119151	17763.2
7028.865	0.739849	1.084107	1.117786	18050.96
7030.035	0.742642	1.069253	1.115404	18314.92
7031.205	0.744441	1.063563	1.112406	18643.36
7032.375	0.749859	1.066604	1.109932	19109.88
7033.545	0.753706	1.052989	1.110216	19311.04
7034.715	0.746449	1.05904	1.11539	18690
7035.882	0.740181	1.078229	1.121693	18003.88
7037.043	0.73262	1.082045	1.128005	17386.92
7038.203	0.727166	1.107161	1.145547	15152.28
7039.364	0.722835	1.129831	1.152985	13974.52

7040.524	0.710281	1.139164	1.157321	13429.04
7041.684	0.701434	1.155335	1.17202	12111.2
7042.845	0.694846	1.178807	1.182261	11215.84
7043.996	0.689197	1.191464	1.185314	10874.43
7045.141	0.690018	1.190338	1.184274	10963.71
7046.287	0.69084	1.189213	1.183234	11053
7047.432	0.691662	1.188088	1.182194	11142.29
7048.577	0.692483	1.186962	1.181153	11231.57
7049.723	0.693305	1.185837	1.180113	11320.86
7050.868	0.694126	1.184712	1.179073	11410.14
7052	0.694948	1.183586	1.178033	11499.43
7053.132	0.69577	1.182461	1.176993	11588.71
7054.263	0.696591	1.181336	1.175953	11678
7055.395	0.697413	1.180211	1.174912	11767.29
7056.526	0.698234	1.179085	1.173872	11856.57
7057.658	0.699056	1.17796	1.172832	11945.86
7058.787	0.699877	1.176835	1.171792	12035.14
7059.911	0.700699	1.175709	1.170752	12124.43
7061.035	0.701521	1.174584	1.169712	12213.71
7062.159	0.702342	1.173459	1.168671	12303
7063.284	0.703164	1.172333	1.167631	12392.29
7064.408	0.703985	1.171208	1.166591	12481.57
7065.532	0.704807	1.170083	1.165551	12570.86
7066.655	0.705629	1.168957	1.164511	12660.14
7067.778	0.70645	1.167832	1.16347	12749.43
7068.902	0.707272	1.166707	1.16243	12838.71
7070.025	0.708093	1.165582	1.16139	12928
7071.148	0.708915	1.164456	1.16035	13017.29
7072.271	0.709736	1.163331	1.15931	13106.57
7073.395	0.710558	1.162206	1.15827	13195.86
7074.523	0.71138	1.16108	1.157229	13285.14
7075.652	0.712201	1.159955	1.156189	13374.43
7076.781	0.713023	1.15883	1.155149	13463.71
7077.91	0.713844	1.157704	1.154109	13553
7079.038	0.714666	1.156579	1.153069	13642.29
7080.167	0.715488	1.155454	1.152029	13731.57
7081.3	0.716309	1.154329	1.150988	13820.86
7082.441	0.717131	1.153203	1.149948	13910.14
7083.582	0.717952	1.152078	1.148908	13999.43
7084.723	0.718774	1.150953	1.147868	14088.71
7085.863	0.719595	1.149827	1.146828	14178
7087.004	0.720417	1.148702	1.145788	14267.29
7088.145	0.721239	1.147577	1.144747	14356.57
7089.298	0.72206	1.146451	1.143707	14445.86

7090.457	0.722882	1.145326	1.142667	14535.14
7091.616	0.723703	1.144201	1.141627	14624.43
7092.775	0.724525	1.143076	1.140587	14713.71
7093.933	0.725347	1.14195	1.139547	14803
7095.092	0.726168	1.140825	1.138506	14892.29
7096.251	0.72699	1.1397	1.137466	14981.57
7097.426	0.727811	1.138574	1.136426	15070.86
7098.6	0.728633	1.137449	1.135386	15160.14
7099.774	0.729454	1.136324	1.134346	15249.43
7100.949	0.730276	1.135198	1.133306	15338.71
7102.123	0.731098	1.134073	1.132265	15428
7103.297	0.731919	1.132948	1.131225	15517.29
7104.474	0.732741	1.131823	1.130185	15606.57
7105.655	0.733562	1.130697	1.129145	15695.86
7106.836	0.734384	1.129572	1.128105	15785.14
7108.017	0.738037	1.126416	1.125121	16468.64
7109.197	0.738974	1.119539	1.122748	16869.16
7110.378	0.740534	1.124445	1.122984	16778.8
7111.559	0.746831	1.1335	1.122715	16755.56
7112.738	0.746253	1.134131	1.122565	16753.56
7113.917	0.744796	1.149987	1.12566	16438.6
7115.096	0.744367	1.172006	1.126557	16133.48
7116.274	0.745903	1.182177	1.127904	15893.48
7117.453	0.74631	1.174619	1.123643	16578.48
7118.632	0.746248	1.161807	1.114692	17756.16
7119.81	0.747994	1.168375	1.116474	17302.76
7120.985	0.746981	1.185607	1.125602	15831
7122.159	0.742634	1.195105	1.132611	14832.2
7123.334	0.742939	1.189797	1.126359	15511.68
7124.508	0.744657	1.186414	1.117026	16536.44
7125.683	0.741941	1.180991	1.113896	17077.92
7126.857	0.746847	1.179698	1.111129	17422.96
7128.032	0.752726	1.191097	1.114337	16803.2
7129.205	0.760284	1.201251	1.114395	16721.32
7130.379	0.7656	1.202323	1.109832	17307.68
7131.553	0.764055	1.203952	1.112548	17016
7132.727	0.763695	1.220445	1.119904	15987.2
7133.901	0.765801	1.24083	1.129411	14639.56
7135.074	0.762761	1.243761	1.133387	14040.16
7136.25	0.766382	1.229766	1.132555	14400.48
7137.427	0.775379	1.20007	1.128972	15191.24
7138.603	0.774672	1.162353	1.128578	15504.92
7139.78	0.767569	1.121747	1.124053	16461.32
7140.956	0.766784	1.09975	1.105303	19129.12

7142.133	0.767501	1.104588	1.091357	21339.72
7143.309	0.765661	1.093391	1.089168	22022.12
7144.489	0.764571	1.071102	1.086785	22390.12
7145.669	0.768582	1.070681	1.087687	22225.56
7146.848	0.768923	1.077184	1.091976	21556.28
7148.028	0.767099	1.069744	1.096607	20869.64
7149.208	0.762065	1.061129	1.102399	19854.4
7150.387	0.75956	1.05806	1.106683	19076.48
7151.568	0.766366	1.054927	1.109652	18920.28
7152.749	0.7659	1.049464	1.107798	19232.96
7153.93	0.763691	1.04574	1.102376	19841.16
7155.112	0.770447	1.057068	1.099621	20392.16
7156.293	0.776129	1.0686	1.096086	21197.92
7157.474	0.772261	1.069013	1.088518	22980.48
7158.656	0.768754	1.059807	1.086857	23513.08
7159.837	0.769514	1.050807	1.08969	22752.44
7161.018	0.773031	1.066585	1.089004	22443.52
7162.199	0.773499	1.07419	1.082835	23183.64
7163.38	0.771107	1.053093	1.076604	24541.56
7164.561	0.771922	1.04572	1.076902	24886.44
7165.743	0.777312	1.05169	1.081095	24250.52
7166.924	0.778349	1.049834	1.080891	24455.52
7168.102	0.773652	1.047611	1.078366	24953.48
7169.28	0.77541	1.057791	1.079687	24287.68
7170.459	0.777879	1.049899	1.077675	24912.6
7171.637	0.77693	1.033161	1.072011	26527.48
7172.815	0.774205	1.045244	1.071309	26549.96
7173.994	0.773736	1.053509	1.071854	26059.8
7175.169	0.774552	1.051607	1.073611	25483.36
7176.341	0.771307	1.05708	1.078736	24264.72
7177.513	0.770376	1.057428	1.081866	23893.84
7178.685	0.770697	1.0546	1.080274	24444.24
7179.858	0.773833	1.050912	1.077558	24619.28
7181.03	0.768537	1.046384	1.077764	24464.56
7182.202	0.75966	1.038445	1.09149	22596.32
7183.366	0.760567	1.053459	1.104105	20840.88
7184.529	0.765536	1.068687	1.097211	21908.36
7185.692	0.769813	1.058119	1.085073	23657.88
7186.855	0.771831	1.045948	1.079369	24643
7188.017	0.774039	1.047046	1.085382	23699.28
7189.18	0.769363	1.053632	1.092986	22051.56
7190.342	0.764557	1.060787	1.087897	22740.56
7191.499	0.76703	1.047981	1.081083	24084.96
7192.656	0.765004	1.037007	1.085429	23770.36

7193.813	0.763312	1.039338	1.090604	23347.6
7194.97	0.762021	1.04002	1.091069	23032.16
7196.127	0.760293	1.04183	1.093084	22362.28
7197.283	0.763203	1.04609	1.095457	21981.28
7198.442	0.760919	1.045939	1.093708	22357.28
7199.602	0.758049	1.050348	1.095234	22006.2
7200.761	0.755819	1.086747	1.106406	19738.16
7201.921	0.753638	1.113929	1.11448	18364.52
7203.081	0.753831	1.109721	1.109417	19206.44
7204.241	0.753641	1.103087	1.105358	19805.52
7205.4	0.753251	1.109099	1.106646	19772.76
7206.569	0.751131	1.115745	1.107255	19480.32
7207.74	0.75254	1.126138	1.113364	18290.24
7208.911	0.753688	1.126518	1.118324	17624.2
7210.082	0.751408	1.121051	1.116095	17876.28
7211.253	0.74986	1.136258	1.122431	16986.48
7212.424	0.74872	1.140105	1.131834	15669.28
7213.597	0.750691	1.120008	1.128997	16230.76
7214.778	0.752974	1.121106	1.13044	16466.44
7215.96	0.752867	1.136779	1.129564	16426.28
7217.141	0.753559	1.140188	1.122689	16892.12
7218.322	0.757546	1.150075	1.119221	17161.24
7219.503	0.760932	1.161435	1.118358	17107.48
7220.684	0.757951	1.164722	1.121144	16631.32
7221.866	0.756097	1.157743	1.120639	16800.08
7223.049	0.755367	1.156332	1.121719	16756.8
7224.232	0.751005	1.164816	1.129871	15755.6
7225.415	0.747386	1.17479	1.142922	14299.96
7226.598	0.749474	1.171784	1.141319	14270.4
7227.78	0.754196	1.18462	1.131774	14886
7228.963	0.758576	1.212286	1.133467	14685.04
7230.14	0.752645	1.211102	1.134876	14762.56
7231.316	0.750122	1.196437	1.136743	14652.8
7232.492	0.758111	1.207181	1.141492	14042.88
7233.668	0.75846	1.238728	1.144125	13416
7234.844	0.753747	1.25539	1.14581	12964.72
7236.02	0.751986	1.257257	1.142512	13160.84
7237.194	0.753043	1.261609	1.140002	13215.8
7238.363	0.748919	1.255745	1.144668	12975.16
7239.532	0.741272	1.232639	1.143708	13550.48
7240.701	0.738284	1.219934	1.135404	14543.92
7241.87	0.736371	1.2289	1.13489	14434.76
7243.038	0.74533	1.255468	1.147778	12938.6
7244.207	0.7512	1.261146	1.155264	12155.32

7245.376	0.741678	1.250732	1.157634	12071.88
7246.544	0.736156	1.257319	1.16007	11898.84
7247.712	0.739884	1.264295	1.16031	11763
7248.881	0.741721	1.268922	1.166085	11207.16
7250.049	0.744136	1.26871	1.169905	10916.44
7251.217	0.74844	1.260367	1.163653	11494.56
7252.385	0.743008	1.258085	1.159784	11847.48
7253.559	0.739002	1.24045	1.151166	12844.56
7254.733	0.737178	1.209821	1.135399	14728.12
7255.907	0.740861	1.198336	1.12507	15819.44
7257.081	0.745029	1.202241	1.124065	15836.04
7258.255	0.745318	1.208596	1.128791	15394.76
7259.429	0.740958	1.21416	1.134025	14815.84
7260.604	0.735179	1.220188	1.137257	14279.92
7261.784	0.732333	1.213663	1.133455	14728.28
7262.965	0.73441	1.204869	1.134197	14964.12
7264.145	0.740506	1.196965	1.134197	15185.4
7265.325	0.743521	1.193065	1.134241	15213.24
7266.505	0.744299	1.189032	1.134427	15210.8
7267.686	0.743154	1.175187	1.13619	15274.92
7268.867	0.74261	1.171593	1.137917	15019.28
7270.049	0.743827	1.180927	1.139552	14614.8
7271.231	0.742533	1.175076	1.144395	14199.4
7272.413	0.746047	1.150787	1.138084	15407.04
7273.595	0.75103	1.133367	1.126825	17196.88
7274.777	0.749487	1.120353	1.116526	18579.28
7275.959	0.750638	1.109359	1.111614	19185.8
7277.138	0.750891	1.105868	1.109951	19447.48
7278.317	0.751048	1.107225	1.109826	19449.64
7279.496	0.752882	1.102687	1.110172	19343.32
7280.676	0.749098	1.100573	1.107899	19670.84
7281.855	0.749132	1.103049	1.106037	19958.68
7283.034	0.7543	1.110343	1.108203	19493.36
7284.212	0.753254	1.116374	1.116084	18460.64
7285.388	0.748557	1.120572	1.125516	17399.12
7286.563	0.739079	1.135872	1.130928	16520.76
7287.738	0.734433	1.122701	1.124761	17361.16
7288.914	0.740293	1.096818	1.116611	18581.08
7290.089	0.745969	1.100831	1.117285	18492.56
7291.264	0.746625	1.105929	1.11701	18617.48
7292.439	0.746072	1.09578	1.109471	19777.72
7293.612	0.747197	1.093133	1.103155	20799
7294.786	0.750201	1.089482	1.098902	21377.52
7295.959	0.753225	1.084022	1.09563	21732.64

7297.133	0.750471	1.097428	1.097664	21554.64
7298.306	0.749886	1.120388	1.102412	20587.52
7299.48	0.759847	1.153653	1.106724	19169.16
7300.654	0.765251	1.189085	1.105515	18553.56
7301.827	0.76181	1.210519	1.104629	18149
7303.001	0.76105	1.214342	1.107406	17921.44
7304.174	0.760408	1.197691	1.102425	19008.92
7305.348	0.758168	1.170189	1.093782	20625.48
7306.522	0.759437	1.151794	1.095207	20846.28
7307.695	0.755493	1.147378	1.102163	19901.44
7308.87	0.752822	1.150396	1.10627	19190.76
7310.045	0.752243	1.143943	1.103274	19721.4
7311.219	0.755068	1.140728	1.097478	20493.04
7312.394	0.759467	1.18285	1.111253	17960.24
7313.568	0.757744	1.232633	1.129385	14822.4
7314.743	0.744484	1.249755	1.138801	13588.44
7315.918	0.727958	1.25093	1.145996	13061.68
7317.094	0.732601	1.248635	1.150993	12499.64
7318.269	0.757018	1.234762	1.134957	14190.28
7319.445	0.755411	1.21692	1.128437	15522.96
7320.62	0.719592	1.207657	1.145212	13977.56
7321.796	0.71795	1.207309	1.144977	13584.12
7322.971	0.737398	1.198069	1.1314	15078.68
7324.148	0.739397	1.188849	1.127561	15717.6
7325.324	0.736154	1.182826	1.13032	15668.96
7326.501	0.739831	1.193046	1.139652	14649.16
7327.677	0.741161	1.217857	1.152431	13018.84
7328.854	0.737035	1.22236	1.156304	12576.32
7330.031	0.73169	1.214976	1.156035	12645.76
7331.208	0.732012	1.209906	1.155712	12844.68
7332.386	0.729281	1.190675	1.150544	13523.24
7333.564	0.726055	1.187441	1.145218	13985.76
7334.743	0.722049	1.194176	1.150835	13487.36
7335.921	0.709546	1.172543	1.16154	12922.12
7337.099	0.702278	1.167683	1.171571	12193.36
7338.277	0.705065	1.183004	1.173863	11691.12
7339.458	0.710871	1.191682	1.168534	12006.6
7340.639	0.715622	1.200294	1.167754	12089.96
7341.821	0.714457	1.205098	1.173358	11546.6
7343.002	0.717877	1.191785	1.170713	11883.24
7344.184	0.721518	1.173749	1.162402	12809.4
7345.365	0.724311	1.158229	1.151791	13983.12
7346.546	0.731141	1.13216	1.134439	16228.4
7347.732	0.733958	1.114228	1.126892	17334.84

7348.918	0.730007	1.109367	1.131507	16867.6
7350.103	0.72577	1.115141	1.138414	16083.4
7351.289	0.72664	1.135434	1.144238	15265.08
7352.475	0.722885	1.132539	1.142704	15391.28
7353.661	0.722725	1.121933	1.139996	15774.24
7354.846	0.724695	1.112332	1.135946	16379.48
7356.032	0.725316	1.099593	1.13584	16605.56
7357.218	0.730466	1.118665	1.138911	15867.52
7358.404	0.729498	1.146953	1.141012	15091.92
7359.59	0.720865	1.15463	1.13739	15519.88
7360.775	0.723062	1.167866	1.13749	15610.44
7361.961	0.730087	1.195686	1.140123	14897.76
7363.141	0.73526	1.243568	1.144549	13460.08
7364.318	0.74138	1.299528	1.15142	11737.76
7365.495	0.744346	1.330666	1.153905	10974.92
7366.672	0.748456	1.327921	1.151803	11236.76
7367.85	0.747489	1.311492	1.145144	12061.04
7369.027	0.749036	1.304666	1.143915	12251.76
7370.203	0.759143	1.308745	1.146056	11873.36
7371.363	0.750751	1.294565	1.141898	12403.72
7372.524	0.736151	1.254043	1.142406	13409.28
7373.684	0.723605	1.220604	1.150065	13448.56
7374.844	0.716028	1.216415	1.153991	13091.04
7376.004	0.728124	1.235435	1.156944	12398.88
7377.164	0.740923	1.243934	1.15096	12524.84
7378.318	0.745466	1.232356	1.144805	13362.76
7379.463	0.746552	1.214362	1.145057	13759.24
7380.608	0.745086	1.181199	1.143466	14252.72
7381.752	0.749663	1.147894	1.142914	14715.6
7382.897	0.745349	1.127083	1.145049	15025.76
7384.042	0.73063	1.118034	1.162491	13581.2
7385.186	0.722973	1.128045	1.165465	12904.52
7386.328	0.73214	1.159108	1.146822	14264.16
7387.468	0.747967	1.189655	1.136645	15009.84
7388.608	0.751426	1.201941	1.132058	15281.64
7389.749	0.752692	1.204584	1.129455	15622.8
7390.889	0.749769	1.204588	1.13038	15700.92
7392.029	0.74843	1.198871	1.131688	15519.68
7393.169	0.743853	1.189139	1.134323	15349.12
7394.316	0.740381	1.18845	1.135367	15260.08
7395.462	0.739738	1.181707	1.12934	15817.96
7396.609	0.737952	1.172293	1.122922	16612.68
7397.755	0.743641	1.159477	1.114516	17915.84
7398.901	0.745786	1.146894	1.111646	18339.48

7400.048	0.745316	1.142154	1.11156	18386.28
7401.197	0.744726	1.136147	1.109557	18819.44
7402.352	0.74139	1.134742	1.108519	18937.44
7403.507	0.741276	1.126739	1.107818	19038.44
7404.662	0.746256	1.117572	1.110753	18901.12
7405.816	0.744311	1.1231	1.120574	17870.48
7406.971	0.736914	1.126631	1.131101	16570.2
7408.126	0.736566	1.138416	1.137158	15666.8
7409.283	0.734437	1.1528	1.137867	15407.72
7410.441	0.736532	1.158833	1.135837	15493.2
7411.599	0.738847	1.172435	1.135256	15445.64
7412.756	0.734033	1.189962	1.139777	14715.96
7413.914	0.723813	1.173741	1.13732	15127.04
7415.072	0.721669	1.147662	1.134789	15801.24
7416.23	0.731987	1.138714	1.143121	14911.44
7417.385	0.737229	1.135724	1.143346	14731.52
7418.541	0.739199	1.132619	1.134144	15894.16
7419.696	0.743916	1.125646	1.120144	17856.88
7420.852	0.747406	1.125917	1.112537	18706.24
7422.007	0.750571	1.135073	1.113913	18475.72
7423.163	0.752324	1.14074	1.120806	17808.56
7424.316	0.752385	1.133623	1.124385	17325.44
7425.467	0.749727	1.117037	1.124306	17294.72
7426.619	0.741584	1.102485	1.127436	17127.44
7427.77	0.728592	1.08235	1.130095	17181
7428.921	0.714993	1.063393	1.134047	16996.16
7430.072	0.707866	1.056941	1.141933	16139.08
7431.223	0.702473	1.041171	1.147028	15603
7432.372	0.693696	1.009229	1.156619	14493.4
7433.52	0.689271	1.002309	1.153682	14751.68
7434.668	0.700128	1.031761	1.13876	16375.12
7435.816	0.719913	1.052476	1.125753	17786.92
7436.964	0.736799	1.06015	1.110942	19821.88
7438.112	0.74524	1.077681	1.106898	20195.72
7439.26	0.742429	1.099716	1.108828	19463.76
7440.407	0.735005	1.112151	1.110901	19049.36
7441.553	0.735528	1.121295	1.11258	18849.64
7442.699	0.745316	1.133927	1.112552	18527.12
7443.846	0.752015	1.1419	1.109246	18699.4
7444.992	0.750965	1.142209	1.109185	18781.8
7446.138	0.74761	1.142108	1.117846	17708.76
7447.285	0.745993	1.133528	1.120598	17449.68
7448.432	0.7435	1.12069	1.115834	18105.2
7449.579	0.739985	1.11615	1.112683	18618.4

7450.726	0.741154	1.101649	1.108678	19403.52
7451.873	0.742831	1.087304	1.108729	19523.24
7453.02	0.744276	1.087503	1.104463	19964.56
7454.167	0.744644	1.075275	1.100433	20846.24
7455.318	0.745614	1.069672	1.104269	20516.48
7456.47	0.73668	1.077517	1.114962	19033.64
7457.621	0.722645	1.068373	1.120711	18402.44
7458.773	0.734703	1.05863	1.113486	19278.8
7459.925	0.747528	1.055737	1.111711	19322
7461.076	0.74595	1.036509	1.110997	19484.36
7462.229	0.741623	1.011236	1.108134	19956.56
7463.388	0.743354	1.014617	1.110885	19729.48
7464.548	0.746574	1.020377	1.111303	19848.12
7465.708	0.740817	1.020416	1.110182	20107.12
7466.867	0.735544	1.039267	1.112075	19746.56
7468.027	0.725292	1.051662	1.119625	18692.8
7469.186	0.721982	1.065677	1.131693	16810.2
7470.349	0.716985	1.0789	1.140622	15313.6
7471.515	0.71489	1.075791	1.138644	15759.48
7472.681	0.725746	1.072836	1.128534	17163.84
7473.847	0.733423	1.070134	1.120766	18094.48
7475.013	0.740663	1.079392	1.118752	18241.04
7476.179	0.743679	1.090382	1.122667	17885.92
7477.345	0.73673	1.08118	1.132313	16920.76
7478.512	0.721996	1.073558	1.137983	16131.16
7479.678	0.703967	1.078257	1.142245	15454
7480.845	0.7066	1.084596	1.138789	15713.76
7482.012	0.727651	1.071475	1.126294	17214.84
7483.178	0.741975	1.060062	1.117566	18414.04
7484.345	0.741576	1.061413	1.113587	19283.88
7485.51	0.732574	1.059286	1.118962	18599.52
7486.671	0.718362	1.072229	1.132668	16529.72
7487.832	0.713884	1.095229	1.140341	15530.12
7488.994	0.713818	1.114377	1.14	15443.56
7490.155	0.718481	1.134642	1.140297	15215.4
7491.316	0.725281	1.153559	1.142437	14636.92
7492.477	0.712998	1.157511	1.140251	14740.24
7493.635	0.707426	1.149528	1.134441	15510.92
7494.79	0.721324	1.139031	1.129953	16150.04
7495.945	0.732802	1.141225	1.127605	16406.4
7497.1	0.737279	1.151169	1.118798	17422.96
7498.255	0.751295	1.16676	1.109315	18252.16
7499.409	0.761962	1.174219	1.101919	18944.44
7500.564	0.758065	1.166418	1.098614	19501

7501.718	0.752924	1.166501	1.106658	18732.24
7502.871	0.746534	1.18237	1.116629	17416.52
7504.024	0.745713	1.188154	1.114836	17418.16
7505.177	0.747507	1.183518	1.111515	17580.8
7506.33	0.746459	1.174929	1.104484	18543.16
7507.483	0.748947	1.171332	1.103711	19006.44
7508.637	0.754114	1.173105	1.105148	18683.56
7509.792	0.756249	1.1705	1.099382	19315.16
7510.948	0.760792	1.175949	1.099359	19260.8
7512.104	0.763964	1.178532	1.103589	18605.32
7513.259	0.764613	1.172871	1.105616	18639.68
7514.415	0.767725	1.170955	1.105637	18737.4
7515.57	0.761265	1.173562	1.108769	18260.84
7516.728	0.753695	1.170575	1.106674	18288.16
7517.887	0.765024	1.161187	1.099139	19490.68
7519.047	0.767701	1.148043	1.099963	20283.32
7520.206	0.754298	1.12932	1.102652	20136.08
7521.365	0.758831	1.11146	1.098602	20568
7522.525	0.770551	1.105651	1.092718	21545.92
7523.684	0.770151	1.101604	1.086077	22967.44
7524.845	0.766085	1.099327	1.091468	22367.12
7526.007	0.762078	1.094444	1.095656	21668.28
7527.168	0.753588	1.080442	1.094791	21880.72
7528.33	0.752132	1.079483	1.095553	21700.8
7529.491	0.757489	1.076273	1.091305	22211.8
7530.652	0.754712	1.077796	1.093026	21915.4
7531.814	0.752937	1.066428	1.090735	22578.2
7532.976	0.751952	1.035977	1.089588	23204.08
7534.137	0.746539	1.026449	1.096352	22161.24
7535.299	0.743695	1.030804	1.103287	20607.88
7536.461	0.738513	1.032713	1.109466	19604.96
7537.623	0.738705	1.044635	1.104788	20237.24
7538.784	0.750662	1.06184	1.09602	21501.88
7539.944	0.755745	1.053659	1.094708	22179.6
7541.101	0.7549	1.045534	1.098591	21812
7542.258	0.751652	1.055865	1.105351	20565.24
7543.416	0.744652	1.063527	1.106318	20331.8
7544.573	0.745806	1.08246	1.099844	21027.56
7545.73	0.751132	1.084821	1.094657	21756.04
7546.887	0.751644	1.08207	1.094744	21694.72
7548.034	0.755008	1.087582	1.100384	20578.68
7549.18	0.757775	1.083012	1.101435	20516.68
7550.325	0.7586	1.078669	1.096476	21504.24
7551.471	0.758156	1.091711	1.092883	21921.92

7552.616	0.757012	1.099329	1.095582	21320.2
7553.761	0.754235	1.085349	1.101744	20526.2
7554.903	0.753356	1.066751	1.10432	20252.88
7556.029	0.755672	1.042974	1.103333	20487.68
7557.156	0.760115	1.037001	1.099878	21124.48
7558.283	0.766886	1.041673	1.088646	23042.56
7559.409	0.769927	1.049496	1.078746	24878.04
7560.536	0.771571	1.058566	1.079154	24884.48
7561.663	0.770571	1.051946	1.075913	25727.28
7562.782	0.766265	1.048927	1.073701	26287.84
7563.896	0.762901	1.059054	1.08452	24251.2
7565.01	0.760304	1.067777	1.092526	22559.72
7566.123	0.761763	1.065894	1.08832	23039.92
7567.237	0.76588	1.051156	1.08426	23806.76
7568.351	0.768437	1.047635	1.08685	23393.08
7569.465	0.764082	1.051503	1.085429	23800.12
7570.583	0.758146	1.057192	1.083338	24214.88
7571.702	0.757182	1.072252	1.089232	22805.28
7572.82	0.750176	1.068328	1.095807	21806.68
7573.939	0.746389	1.055387	1.105258	20722.56
7575.058	0.742778	1.058132	1.111066	19681.24
7576.176	0.742032	1.074714	1.114572	18825.16
7577.301	0.746771	1.089729	1.118935	17898.84
7578.442	0.751411	1.099551	1.111395	18635.44
7579.583	0.761389	1.119751	1.100177	19916
7580.725	0.772885	1.136324	1.092269	21081.12
7581.866	0.773288	1.135477	1.08885	21833.56
7583.007	0.773592	1.13837	1.090821	21549.16
7584.149	0.774628	1.139163	1.091962	21073.56
7585.305	0.773611	1.12529	1.08827	21729.68
7586.471	0.772285	1.127939	1.078908	23389.56
7587.638	0.766649	1.154713	1.080866	22699.08
7588.804	0.767549	1.187805	1.092134	20130.6
7589.971	0.76856	1.219437	1.101435	17908.52
7591.137	0.76701	1.226223	1.103608	17435.36
7592.303	0.769989	1.207798	1.096826	18924.16
7593.482	0.770518	1.185198	1.087598	20876.72
7594.661	0.769714	1.176323	1.088511	21099.56
7595.84	0.771386	1.16071	1.093303	20901.52
7597.02	0.774618	1.131523	1.087272	22234.8
7598.199	0.773605	1.108469	1.080108	23635.08
7599.378	0.771689	1.08779	1.075629	24780.8
7600.557	0.778631	1.066189	1.072619	25497.48
7601.737	0.776027	1.05773	1.073692	25775.76

7602.916	0.765112	1.064569	1.081339	24930.56
7604.096	0.761049	1.057731	1.085073	23596.84
7605.275	0.766826	1.043867	1.079413	24293.08
7606.455	0.771682	1.044925	1.074335	25811.64
7607.634	0.772772	1.041303	1.072296	26370.28
7608.811	0.771215	1.040295	1.07632	25467.32
7609.986	0.771307	1.049463	1.081605	24500.52
7611.161	0.770825	1.046507	1.079309	25033.36
7612.336	0.771418	1.028676	1.073371	26618.28
7613.511	0.772493	1.036169	1.072955	26539.32
7614.686	0.770323	1.037054	1.074945	25776.72
7615.861	0.765618	1.015804	1.078758	25615.2
7617.034	0.762353	1.011521	1.08202	24922.6
7618.208	0.75858	1.012975	1.083417	24225
7619.382	0.759006	1.023786	1.082973	24095.44
7620.555	0.766442	1.029729	1.0773	25267.24
7621.729	0.769656	1.020861	1.072472	26472
7622.902	0.769709	1.024789	1.069665	26769.84
7624.076	0.770769	1.034692	1.067771	26877.36
7625.252	0.771294	1.029975	1.068539	26897.68
7626.427	0.768643	1.011206	1.069011	27113.44
7627.602	0.766506	1.003941	1.070508	26872.6
7628.777	0.768796	1.017105	1.073175	26094
7629.952	0.771322	1.031036	1.077864	25049.36
7631.127	0.771218	1.03807	1.08068	24392.68
7632.3	0.769589	1.035481	1.08431	23704.96
7633.471	0.766572	1.036084	1.091208	22296.76
7634.643	0.767695	1.042272	1.094038	21923.68
7635.814	0.772653	1.043404	1.088102	23204.52
7636.986	0.775748	1.040562	1.082545	24248.04
7638.157	0.77314	1.037578	1.079876	24916.56
7639.328	0.770954	1.030102	1.073632	26055.36
7640.483	0.773306	1.008214	1.069484	26995.68
7641.637	0.774059	0.989982	1.072759	26423.88
7642.791	0.769557	0.987595	1.077629	25793.72
7643.946	0.767626	0.995771	1.082705	25206.28
7645.1	0.768927	1.003889	1.082299	24967.24
7646.254	0.767769	1.008204	1.081461	24864.2
7647.398	0.764408	1.012944	1.086992	23914.16
7648.523	0.759066	1.00878	1.098264	22242.2
7649.647	0.750017	0.999235	1.111403	20083.56
7650.771	0.744471	0.995159	1.114987	19507.84
7651.896	0.751487	1.006845	1.106085	20813.4
7653.02	0.755606	1.033146	1.098901	21475.48

7654.144	0.755197	1.042839	1.09596	21983.32
7655.252	0.757877	1.032324	1.087412	23850.16
7656.351	0.758395	1.025722	1.081679	24793.64
7657.451	0.760259	1.021577	1.079394	24885.96
7658.551	0.762414	1.029679	1.077211	25245.04
7659.651	0.757702	1.019975	1.068605	27439.8
7660.751	0.760769	0.995633	1.064663	28585.88
7661.851	0.766026	0.988647	1.067988	27977.48
7662.95	0.765336	0.98133	1.069137	27976.24
7664.05	0.762685	0.981532	1.071737	27443
7665.15	0.756489	1.002683	1.075926	26382.36
7666.249	0.756012	1.01995	1.080743	25418.16
7667.349	0.756312	1.040163	1.084183	24577.4
7668.449	0.752229	1.042944	1.087887	23669.2
7669.557	0.747877	1.014365	1.09045	23364.76
7670.681	0.744558	1.008281	1.09144	23190.36
7671.805	0.742686	1.015765	1.095263	22336.48
7672.928	0.742617	1.022523	1.101176	21263.48
7674.052	0.743788	1.036188	1.102625	20944.72
7675.176	0.740881	1.070575	1.108522	19725.88
7676.3	0.736622	1.102545	1.117728	18039.72
7677.444	0.736143	1.100223	1.115181	18361.92
7678.596	0.742579	1.101569	1.111597	18739.72
7679.748	0.750645	1.117475	1.113156	18425.36
7680.9	0.751099	1.116964	1.111797	18648.56
7682.052	0.752463	1.11439	1.109903	18949.32
7683.204	0.755774	1.116231	1.109483	18996.12
7684.357	0.761131	1.120511	1.103889	19793.04
7685.522	0.76783	1.133151	1.09742	20642.48
7686.687	0.772609	1.149737	1.098524	20016.28
7687.851	0.771525	1.155377	1.098447	19759.16
7689.016	0.770486	1.151977	1.099065	19752.84
7690.181	0.767427	1.144903	1.102061	19884.04
7691.345	0.763358	1.128028	1.102729	20261.96
7692.508	0.768331	1.112054	1.098351	20868.64
7693.669	0.769646	1.083423	1.088654	22848
7694.83	0.766799	1.048666	1.08451	24323.76
7695.991	0.765603	1.053708	1.090834	23318.24
7697.152	0.770146	1.075211	1.096213	22087.32
7698.313	0.771077	1.078483	1.093352	22486.2
7699.473	0.770115	1.072515	1.091659	22655.8
7700.627	0.770663	1.054433	1.085885	23956.36
7701.778	0.767448	1.03648	1.08079	25355.08
7702.929	0.767648	1.052078	1.085387	24180.6

7704.081	0.76884	1.074448	1.08649	23648.6
7705.232	0.769847	1.068312	1.080864	24809.04
7706.383	0.771604	1.060849	1.079315	25279.08
7707.534	0.771299	1.064332	1.080799	24990.84
7708.68	0.773418	1.078849	1.083754	24288.24
7709.827	0.774064	1.088618	1.087812	23496.08
7710.974	0.7713	1.077106	1.087588	23605.36
7712.12	0.769379	1.064039	1.087975	23624.92
7713.267	0.768802	1.056349	1.089217	23360
7714.413	0.769433	1.047169	1.087837	23775.52
7715.56	0.770162	1.038431	1.087168	24103.28
7716.708	0.771147	1.047158	1.09038	23564.88
7717.855	0.766322	1.073078	1.097211	22199.64
7719.003	0.764136	1.078147	1.099412	21704.12
7720.15	0.764699	1.066471	1.093194	22766.24
7721.298	0.766876	1.064461	1.085639	24141.36
7722.445	0.769408	1.062071	1.083617	24608.12
7723.596	0.763622	1.063342	1.083823	24599.56
7724.748	0.757821	1.055593	1.087047	24060.12
7725.9	0.753691	1.045973	1.091412	23322
7727.052	0.749718	1.037671	1.090112	23397.56
7728.203	0.7528	1.015664	1.084114	24474.92
7729.355	0.755403	1.004903	1.083375	24878.28
7730.508	0.753996	1.00229	1.086707	24441.64
7731.665	0.752698	1.00198	1.088997	23929.04
7732.823	0.751617	0.98957	1.086404	24545.24
7733.98	0.750512	0.985497	1.082897	25323.84
7735.138	0.753086	1.006189	1.084542	25037.56
7736.295	0.753556	1.02459	1.091097	23647.16
7737.452	0.753916	1.016367	1.093272	22757.28
7738.613	0.75565	0.997721	1.08673	24059.72
7739.777	0.755568	1.000002	1.083801	24840.32
7740.942	0.759737	0.998302	1.082143	25137.12
7742.106	0.762703	0.987653	1.078695	25998.32
7743.27	0.76335	0.977722	1.078367	26137.36
7744.435	0.765233	0.968898	1.08176	25464.44
7745.599	0.762436	0.965984	1.087487	24421.2
7746.768	0.762129	0.961086	1.089199	24249.24
7747.937	0.765396	0.955742	1.085654	24716
7749.107	0.767565	0.945976	1.077516	25916.36
7750.277	0.767391	0.942232	1.071176	27701.16
7751.447	0.766546	0.946187	1.073471	28006.76
7752.617	0.762854	0.953856	1.080099	26243.32
7753.787	0.764834	0.949608	1.073742	27073.4

7754.959	0.769207	0.939483	1.063914	29612.08
7756.13	0.766985	0.940703	1.066686	29415.52
7757.302	0.767552	0.945856	1.067402	29155.88
7758.474	0.77101	0.93871	1.065358	29365.88
7759.645	0.772633	0.925754	1.063801	29839.88
7760.817	0.774439	0.931187	1.059599	30777.52
7761.988	0.771691	0.941152	1.054968	31547.68
7763.158	0.770198	0.937912	1.055567	31595.44
7764.327	0.774728	0.94035	1.058591	31180.04
7765.497	0.7733	0.947494	1.058089	31179.68
7766.667	0.769783	0.954145	1.062102	30094.32
7767.836	0.770803	0.953965	1.069199	28483.8
7769.006	0.771656	0.943039	1.070013	28351.52
7770.173	0.772309	0.942594	1.064634	29729.04
7771.339	0.775581	0.940633	1.061015	30773.2
7772.505	0.777674	0.936004	1.059539	31416.28
7773.672	0.772936	0.947744	1.061107	30921.88
7774.838	0.770215	0.961035	1.067147	28944.04
7776.004	0.773868	0.963163	1.064278	29629.24
7777.17	0.773142	0.95969	1.063652	29842.84
7778.333	0.769843	0.957347	1.066558	29231.28
7779.497	0.7685	0.951685	1.064667	29772.28
7780.66	0.769865	0.947413	1.059793	30863.68
7781.824	0.771283	0.949339	1.056151	31773.81
7782.987	0.770705	0.95105	1.057039	31577.29
7784.151	0.770128	0.952761	1.057928	31380.77
7785.314	0.76955	0.954472	1.058816	31184.25
7786.475	0.768972	0.956183	1.059704	30987.74
7787.637	0.768394	0.957894	1.060593	30791.22
7788.799	0.767817	0.959605	1.061481	30594.7
7789.961	0.767239	0.961317	1.06237	30398.18
7791.123	0.766661	0.963028	1.063258	30201.66
7792.285	0.766083	0.964739	1.064146	30005.14
7793.447	0.765505	0.96645	1.065035	29808.63
7794.609	0.764928	0.968161	1.065923	29612.11
7795.771	0.76435	0.969872	1.066812	29415.59
7796.934	0.763772	0.971583	1.0677	29219.07
7798.096	0.763194	0.973294	1.068588	29022.55
7799.258	0.762617	0.975005	1.069477	28826.03
7800.421	0.762039	0.976716	1.070365	28629.51
7801.587	0.761461	0.978427	1.071254	28433
7802.753	0.760883	0.980138	1.072142	28236.48
7803.919	0.760306	0.981849	1.07303	28039.96
7805.085	0.759728	0.98356	1.073919	27843.44

7806.252	0.75915	0.985272	1.074807	27646.92
7807.418	0.758572	0.986983	1.075695	27450.4
7808.587	0.757995	0.988694	1.076584	27253.88
7809.76	0.757417	0.990405	1.077472	27057.37
7810.933	0.756839	0.992116	1.078361	26860.85
7812.107	0.756261	0.993827	1.079249	26664.33
7813.28	0.755683	0.995538	1.080137	26467.81
7814.453	0.755106	0.997249	1.081026	26271.29
7815.626	0.754528	0.99896	1.081914	26074.77
7816.802	0.75395	1.000671	1.082803	25878.25
7817.978	0.753372	1.002382	1.083691	25681.74
7819.155	0.752795	1.004093	1.084579	25485.22
7820.331	0.752217	1.005804	1.085468	25288.7
7821.507	0.751639	1.007515	1.086356	25092.18
7822.684	0.751061	1.009226	1.087245	24895.66
7823.859	0.750484	1.010938	1.088133	24699.14
7825.027	0.749906	1.012649	1.089021	24502.63
7826.196	0.749328	1.01436	1.08991	24306.11
7827.365	0.74875	1.016071	1.090798	24109.59
7828.534	0.748173	1.017782	1.091687	23913.07
7829.703	0.747595	1.019493	1.092575	23716.55
7830.872	0.747017	1.021204	1.093463	23520.03
7832.03	0.746439	1.022915	1.094352	23323.51
7833.18	0.745861	1.024626	1.09524	23127
7834.331	0.745284	1.026337	1.096129	22930.48
7835.481	0.744706	1.028048	1.097017	22733.96
7836.631	0.744128	1.029759	1.097905	22537.44
7837.782	0.74355	1.03147	1.098794	22340.92
7838.932	0.742973	1.033181	1.099682	22144.4
7840.065	0.742395	1.034893	1.100571	21947.88
7841.197	0.741817	1.036604	1.101459	21751.37
7842.328	0.741239	1.038315	1.102347	21554.85
7843.46	0.740662	1.040026	1.103236	21358.33
7844.591	0.729884	1.023214	1.104355	21330.04
7845.723	0.72161	1.008852	1.101299	21743.04
7846.852	0.722227	1.036647	1.09745	22200.08
7847.976	0.725256	1.060742	1.096674	22348
7849.1	0.725649	1.038518	1.098345	22265.4
7850.224	0.714438	1.029175	1.111948	20444.76
7851.348	0.709637	1.053873	1.124033	18420.8
7852.472	0.710052	1.087179	1.126636	17581.12
7853.597	0.709175	1.10678	1.123621	17667.92
7854.723	0.715212	1.0958	1.111863	19394.44
7855.851	0.718863	1.087151	1.105763	20246.08

7856.979	0.721512	1.090693	1.108412	19860.12
7858.108	0.721071	1.086635	1.111415	19562.16
7859.236	0.71459	1.087585	1.110921	19624.08
7860.364	0.715332	1.093918	1.113061	19012.16
7861.492	0.712813	1.090578	1.114009	18742.96
7862.628	0.710266	1.082185	1.110015	19374.36
7863.763	0.720337	1.090032	1.103136	20160.32
7864.899	0.729334	1.106444	1.096425	20761.2
7866.035	0.73256	1.118196	1.092607	21240.24
7867.17	0.739762	1.135494	1.089201	21767.96
7868.306	0.749337	1.156209	1.089558	21446.44
7869.442	0.750583	1.174039	1.090091	20821.84
7870.579	0.754932	1.182445	1.088463	20726.76
7871.716	0.765951	1.171522	1.082114	21820.72
7872.853	0.772745	1.164977	1.079139	22267.32
7873.99	0.779893	1.165587	1.082427	21953.8
7875.127	0.781293	1.156856	1.082495	22385.08
7876.264	0.776194	1.127898	1.076612	23969.36
7877.398	0.770224	1.101393	1.077013	24480.04
7878.53	0.763533	1.084624	1.084592	23430.64
7879.662	0.757298	1.060142	1.081986	24393.08
7880.794	0.74315	1.054356	1.081123	24710.68
7881.925	0.729006	1.054622	1.084342	23649.2
7883.057	0.728899	1.013474	1.078243	25056.88
7884.189	0.735046	0.98835	1.07342	26087.44
7885.315	0.739838	0.997021	1.068305	26945.8
7886.44	0.74777	0.998679	1.060076	28665.56
7887.566	0.755906	0.994291	1.058379	29119.56
7888.691	0.756122	0.985492	1.062144	28611.72
7889.817	0.750304	0.979216	1.064757	28460.64
7890.942	0.747327	0.973792	1.064776	28774.2
7892.067	0.745128	0.978744	1.065593	28167.16
7893.19	0.740848	0.983337	1.062061	28414.36
7894.313	0.740641	0.984057	1.059419	28698.12
7895.436	0.746718	0.999731	1.060326	28600.6
7896.559	0.74722	1.001666	1.061792	28732.6
7897.682	0.748941	0.993178	1.063261	28497.2
7898.805	0.755097	1.007729	1.060248	29171.12
7899.929	0.75578	1.015228	1.057494	29656.64
7901.054	0.749736	0.991657	1.061237	28928.36
7902.178	0.742502	0.984919	1.065205	28191.08
7903.303	0.744679	0.999356	1.07118	26779
7904.428	0.747109	0.992573	1.080582	24956.28
7905.553	0.744381	0.99964	1.083998	24531.32

7906.678	0.738293	1.029485	1.087204	23974.4
7907.806	0.721524	1.049996	1.098073	21732.12
7908.935	0.70677	1.071531	1.123493	17695.04
7910.063	0.700053	1.093995	1.148279	14419.76
7911.192	0.697018	1.119797	1.14911	14464.92
7912.32	0.698177	1.135804	1.145023	14933.08
7913.449	0.700273	1.125506	1.144878	14842.52
7914.579	0.700598	1.111764	1.14671	14519.12
7915.71	0.69166	1.109202	1.147015	14314.52
7916.842	0.689462	1.111057	1.135164	15726.56
7917.973	0.701527	1.120114	1.123545	16991.56
7919.105	0.715552	1.13887	1.116682	17405.4
7920.236	0.728561	1.157375	1.111157	17641.92
7921.368	0.733189	1.171301	1.108955	17771.6
7922.501	0.728149	1.190947	1.113502	17220.56
7923.634	0.724382	1.201582	1.116544	16753
7924.768	0.728886	1.176273	1.10613	18482.96
7925.901	0.73625	1.131264	1.092491	21112.92
7927.035	0.735813	1.09309	1.081447	23511.24
7928.168	0.730569	1.085432	1.083447	23439.96
7929.302	0.735073	1.094139	1.085744	23253
7930.435	0.740554	1.11662	1.092538	21985.76
7931.568	0.742835	1.166004	1.104714	19030.56
7932.701	0.740305	1.200459	1.108421	17813.92
7933.834	0.732212	1.200002	1.107578	17925.28
7934.967	0.73596	1.168317	1.100678	19456.44
7936.1	0.737373	1.146115	1.099255	19863
7937.232	0.74044	1.159648	1.100643	19196.52
7938.361	0.74459	1.152854	1.093298	20522.72
7939.49	0.743055	1.096557	1.080328	23697.56
7940.619	0.741497	1.04432	1.077503	25136.32
7941.748	0.738968	1.020385	1.083365	24578.88
7942.877	0.747257	1.005885	1.078244	25646.32
7944.006	0.759875	0.999427	1.06732	27805.68
7945.129	0.760184	1.000902	1.068375	27578.84
7946.25	0.751896	1.025685	1.079755	24848.44
7947.371	0.733117	1.065513	1.094085	21922.92
7948.492	0.699592	1.058129	1.114338	19299.76
7949.613	0.671652	1.03948	1.132728	17273.68
7950.734	0.685509	1.044175	1.11874	19043.2
7951.855	0.728507	1.057108	1.082228	24087.04
7952.969	0.756548	1.086154	1.062959	26812.52
7954.083	0.767021	1.122042	1.061685	26245.64
7955.197	0.767563	1.16011	1.071322	23830.36

7956.311	0.76459	1.175789	1.079271	22284.48
7957.425	0.765505	1.168928	1.077343	22623.8
7958.54	0.765226	1.173482	1.073686	22812.76
7959.653	0.766725	1.183065	1.075408	22406.96
7960.767	0.764589	1.176688	1.07892	22296.24
7961.88	0.75957	1.157024	1.078007	22924.04
7962.993	0.758655	1.122778	1.073154	24621.52
7964.106	0.757482	1.071666	1.068692	26474.6
7965.22	0.762743	1.018756	1.058064	29642.68
7966.333	0.759306	0.995922	1.062376	29264.88
7967.45	0.743286	1.004671	1.075927	26329.08
7968.569	0.751337	1.010064	1.062251	29258.92
7969.688	0.77009	1.030133	1.044244	32742.84
7970.806	0.774727	1.073089	1.042164	32337.36
7971.925	0.773138	1.094172	1.051443	30176.64
7973.044	0.77277	1.066046	1.059416	28875.64
7974.163	0.775746	1.024653	1.050724	31456.12
7975.283	0.773552	1.002331	1.038109	35093.4
7976.404	0.774097	0.985232	1.036113	35986.68
7977.525	0.775074	0.999747	1.037753	35150.88
7978.645	0.770648	1.045192	1.045894	32195.72
7979.766	0.764652	1.077004	1.072741	26089.28
7980.886	0.749598	1.024773	1.092216	22678.04
7982.002	0.753024	0.967997	1.074832	26759.44
7983.109	0.766254	0.975488	1.050766	31911.84
7984.217	0.769629	0.995707	1.043104	33865.32
7985.324	0.765724	1.038488	1.052765	30936.64
7986.432	0.75197	1.042994	1.072488	26314.96
7987.54	0.752481	1.002029	1.072658	26780.12
7988.647	0.76117	0.978177	1.054626	30805.56
7989.734	0.762019	0.979209	1.045314	33635.76
7990.814	0.761582	0.991289	1.051271	32607.64
7991.894	0.759415	1.008402	1.055449	31167.12
7992.974	0.758819	1.027547	1.056487	30725.08
7994.054	0.758038	1.043283	1.054682	30748.32
7995.134	0.756757	1.034755	1.052072	31718.96
7996.213	0.754427	1.008929	1.054165	31719.08
7997.283	0.754656	1.057784	1.061078	28974.96
7998.354	0.755973	1.11868	1.075536	25065.36
7999.425	0.755759	1.072052	1.066502	28139.08
8000.495	0.763101	0.999825	1.041937	34864.56
8001.566	0.776705	0.970126	1.039561	35979.84
8002.636	0.784621	0.968448	1.050845	33087.76
8003.728	0.782699	0.966961	1.055323	32130.28

8004.846	0.776696	0.950843	1.055839	32548.68
8005.964	0.772331	0.938943	1.056409	32629.48
8007.082	0.773656	0.926439	1.051821	33630.12
8008.2	0.772321	0.912701	1.048919	34195.56
8009.318	0.767266	0.915251	1.061735	30991.6
8010.437	0.765153	0.915989	1.081481	26604.8
8011.636	0.755967	0.91423	1.104544	22687.2
8012.86	0.752077	0.914428	1.094003	24611.72
8014.083	0.761148	0.912271	1.05639	32466.08
8015.307	0.763656	0.910093	1.047742	34682.68
8016.53	0.767858	0.910392	1.055336	32558.04
8017.753	0.776685	0.919671	1.057231	31388.96
8018.99	0.772892	0.923321	1.045795	34549.48
8020.325	0.771934	0.91626	1.037139	37188.4
8021.66	0.778127	0.917044	1.03713	37526.84
8022.995	0.780684	0.925803	1.035376	38190.84
8024.33	0.77943	0.935413	1.033455	38027.92
8025.665	0.776959	0.935218	1.030285	39055.56
8026.999	0.778744	0.925403	1.028234	39915.6
8028.361	0.781856	0.921828	1.031602	38996.76
8029.753	0.783594	0.926846	1.034896	38232.92
8031.144	0.781848	0.937108	1.033366	38146.76
8032.536	0.778628	0.942888	1.034359	37541.2
8033.928	0.775648	0.939634	1.041388	35802.88
8035.32	0.774712	0.950727	1.046461	34388.52
8036.712	0.779317	0.987649	1.051064	32678.96
8038.103	0.780842	1.008322	1.055507	30991.28
8039.495	0.774622	0.99191	1.056778	31002.16
8040.886	0.769894	0.96236	1.052768	32306.96
8042.278	0.771423	0.951069	1.053105	32377.24
8043.669	0.77249	0.938674	1.059472	31525.96
8045.06	0.770277	0.924657	1.068465	29735
8046.448	0.766112	0.918136	1.072832	28827.96
8047.811	0.758391	0.908046	1.074884	28605.04
8049.175	0.754795	0.909692	1.092131	24708
8050.539	0.746836	0.918382	1.109026	21236.84
8051.902	0.734712	0.932533	1.107535	21846.28
8053.266	0.730758	0.951392	1.099408	22988.12
8054.63	0.722523	0.989894	1.097263	22547.6
8055.984	0.719165	0.996808	1.083152	25757.4
8057.328	0.730664	0.983419	1.060368	30678.72
8058.673	0.735028	0.984382	1.041393	34605.36
8060.018	0.741275	0.994497	1.032644	36456.24
8061.362	0.755303	0.995403	1.033547	36833.4

8062.707	0.767066	0.981357	1.029053	39031
8064.051	0.776583	0.970723	1.022526	41441.52
8065.389	0.781673	0.951597	1.018677	42794.16
8066.725	0.78448	0.934968	1.012431	45501.56
8068.061	0.782742	0.942704	1.011057	46109.84
8069.397	0.780711	0.954158	1.014769	44083.04
8070.733	0.780997	0.964837	1.017733	42312.68
8072.069	0.778106	0.985559	1.025352	39757.88
8073.403	0.773765	0.99453	1.029393	38364.88
8074.73	0.769592	0.991298	1.030113	37860.44
8076.057	0.769002	0.985214	1.031305	37741.76
8077.383	0.773516	0.975433	1.028764	39069.08
8078.71	0.778012	0.966309	1.022648	41466.32
8080.037	0.779999	0.963587	1.018	42594.72
8081.364	0.782568	0.969147	1.016524	42435.16
8082.678	0.78423	0.981727	1.015381	42565.84
8083.982	0.781752	0.975075	1.015505	43529.64
8085.285	0.778531	0.968509	1.018843	42768.56
8086.588	0.77855	0.964307	1.020683	42007.64
8087.891	0.776919	0.954841	1.018408	42477.88
8089.195	0.773141	0.970591	1.018168	42260.88
8090.498	0.774248	0.984028	1.019408	41710.16
8091.769	0.776682	0.978598	1.01795	42004.8
8093.034	0.771863	0.980566	1.018359	42438.52
8094.3	0.764304	1.005842	1.027097	39339.08
8095.565	0.762924	1.030679	1.037305	35274.04
8096.831	0.761965	1.046009	1.044748	32751.8
8098.096	0.764841	1.065547	1.050662	30655.96
8099.357	0.764707	1.073213	1.053177	30140.36
8100.598	0.754662	1.045265	1.048474	32064.76
8101.839	0.751306	1.024318	1.047985	32671.76
8103.08	0.751753	1.017985	1.051873	31737.8
8104.321	0.751219	1.000277	1.053585	31166.8
8105.562	0.754143	1.016353	1.052523	31218.92
8106.803	0.75919	1.050887	1.047172	32263.6
8108.057	0.766039	1.058231	1.045832	32507.64
8109.321	0.766679	1.057794	1.05294	30528.76
8110.585	0.752931	1.059923	1.065389	27837.8
8111.849	0.736859	1.064435	1.079083	25337.64
8113.113	0.739164	1.082898	1.08453	23895.12
8114.377	0.74036	1.073831	1.084455	24173.76
8115.642	0.73604	1.065104	1.089483	23655.96
8116.969	0.740464	1.074928	1.095264	22391.32
8118.304	0.734603	1.080134	1.103597	21054.4

8119.64	0.725516	1.073559	1.110267	20314.96
8120.975	0.728956	1.037754	1.099403	22592.44
8122.311	0.742984	1.010868	1.078507	26900.72
8123.647	0.756321	1.011909	1.066212	29395.52
8125	0.764286	1.022855	1.060588	30026.88
8126.416	0.767806	1.047598	1.060216	29583.92
8127.832	0.764164	1.081522	1.062668	28535.68
8129.248	0.754833	1.087701	1.06459	28027.08
8130.664	0.753894	1.069126	1.065152	28441.96
8132.08	0.755689	1.060151	1.05967	29452
8133.495	0.760439	1.080059	1.053787	29881
8134.934	0.76673	1.123441	1.051139	29374.92
8136.39	0.771515	1.169002	1.058168	26459.56
8137.846	0.773257	1.188379	1.060783	24973.44
8139.302	0.776557	1.185422	1.057564	25853.28
8140.757	0.780969	1.168182	1.052659	27600.32
8142.213	0.778522	1.150987	1.048746	29122
8143.669	0.777814	1.16183	1.055386	27198.6
8145.122	0.776654	1.178013	1.059799	25287.64
8146.575	0.780178	1.178371	1.054688	26055.04
8148.028	0.782506	1.168443	1.047265	28037.8
8149.481	0.785568	1.161843	1.043686	29191.04
8150.934	0.791167	1.161648	1.040664	29607.68
8152.387	0.79117	1.157326	1.035537	31109.12
8153.835	0.787219	1.166452	1.039542	30060
8155.267	0.786939	1.183233	1.049275	27400.4
8156.699	0.788469	1.176158	1.0487	27707.36
8158.131	0.788817	1.14698	1.038813	31412.96
8159.563	0.788879	1.115796	1.028783	35423.68
8160.995	0.788803	1.104626	1.025157	36406.76
8162.427	0.790174	1.114483	1.031659	34485.96
8163.854	0.789565	1.127516	1.039642	32170.64
8165.277	0.78575	1.128541	1.040101	31701.96
8166.7	0.785744	1.121349	1.039642	31934.28
8168.124	0.785052	1.115242	1.036865	32606
8169.547	0.78498	1.121009	1.036203	32259.72
8170.971	0.786539	1.123577	1.038113	31602.08
8172.394	0.787447	1.116687	1.041123	31274.04
8173.823	0.78656	1.112705	1.046081	30770.96
8175.252	0.782966	1.111368	1.046556	30427.36
8176.681	0.7802	1.116539	1.043996	30202.96
8178.109	0.782309	1.126194	1.044568	30175.8
8179.538	0.786649	1.128315	1.047483	29993.84
8180.967	0.785317	1.116242	1.050151	30298.68

8182.398	0.779936	1.096801	1.052006	30814.76
8183.833	0.77775	1.094513	1.058529	29294.8
8185.268	0.781108	1.093838	1.062591	28236
8186.703	0.781684	1.08786	1.06779	26956.76
8188.138	0.7731	1.092458	1.081815	23929.68
8189.573	0.765239	1.106829	1.09381	21722.72
8191.008	0.762364	1.125278	1.090942	21941.56
8192.437	0.772468	1.140157	1.07867	23529.6
8193.861	0.784979	1.156369	1.073079	24033.12
8195.286	0.782302	1.168059	1.072129	23961.4
8196.71	0.778754	1.178275	1.073768	23331.36
8198.135	0.780676	1.191152	1.0768	22492.52
8199.559	0.78093	1.199073	1.077903	22080.36
8200.984	0.780844	1.201581	1.07808	21717.16
8202.381	0.784065	1.202345	1.074988	21992.84
8203.778	0.783481	1.202042	1.07668	21949.36
8205.175	0.778041	1.193369	1.078754	21763.08
8206.572	0.773368	1.186436	1.07377	22324.76
8207.968	0.774412	1.189144	1.076001	21748.56
8209.365	0.771726	1.193874	1.080569	20670.88
8210.753	0.768761	1.197938	1.083307	19993.28
8212.122	0.775258	1.200767	1.08586	19640.88
8213.491	0.779791	1.200915	1.086112	19779.6
8214.86	0.776937	1.197589	1.081942	20459.84
8216.228	0.771752	1.199707	1.082255	20267.52
8217.597	0.769552	1.199211	1.083181	20115.96
8218.966	0.77936	1.206473	1.086286	19499.4
8220.331	0.788418	1.217545	1.087096	18964.76
8221.693	0.786842	1.21756	1.081409	19762.88
8223.056	0.780779	1.208905	1.076736	21044.96
8224.418	0.782489	1.209588	1.080405	20554.52
8225.781	0.78158	1.216854	1.087742	18743.24
8227.143	0.775398	1.206207	1.077754	20443.56
8228.506	0.774854	1.194506	1.076792	21501.64
8229.885	0.765059	1.180686	1.085753	20817.16
8231.264	0.749632	1.15675	1.090282	20559.56
8232.643	0.749825	1.14226	1.091513	20745.76
8234.022	0.755257	1.134659	1.089669	21517.72
8235.401	0.748423	1.128126	1.087236	21666.64
8236.78	0.742427	1.119468	1.08897	21369.8
8238.167	0.743911	1.096194	1.082714	23384.44
8239.569	0.746564	1.07631	1.068752	26619.64
8240.971	0.746735	1.076833	1.066629	26668.16
8242.374	0.751363	1.070037	1.064601	26676.64

8243.776	0.757471	1.050266	1.062115	27828.48
8245.178	0.764178	1.031657	1.058313	29666.52
8246.581	0.76943	1.023293	1.053789	30486.2
8247.99	0.769569	1.018533	1.050809	30883.68
8249.402	0.769149	1.01738	1.046762	32060.52
8250.814	0.768175	1.025041	1.042862	33199.56
8252.226	0.769508	1.018606	1.03929	34317.08
8253.638	0.769907	1.017343	1.039707	34036.48
8255.05	0.768298	1.02641	1.042417	32983.4
8256.462	0.763788	1.017214	1.048013	32005.88
8257.869	0.757891	1.007905	1.058386	30339.12
8259.276	0.753148	1.00458	1.068935	28084.52
8260.683	0.744221	0.991719	1.077673	26646.36
8262.09	0.735338	0.984091	1.084047	25684.96
8263.498	0.735125	0.991208	1.088738	24598
8264.905	0.733948	1.007547	1.091679	23570.88
8266.308	0.742753	0.999332	1.066098	28654.08
8267.706	0.767721	0.995176	1.03392	35653.6
8269.104	0.779881	1.007124	1.02644	37711.04
8270.502	0.782145	1.01593	1.020899	39771.72
8271.899	0.783373	1.023453	1.017413	40820.28
8273.297	0.782954	1.018754	1.018501	40836.68
8274.695	0.784461	1.02098	1.02076	40592.52
8276.093	0.788814	1.016107	1.023907	39779.52
8277.49	0.788706	1.019455	1.025545	39272.08
8278.888	0.783377	1.026412	1.032731	37526.64
8280.286	0.777356	1.016237	1.045338	34404.16
8281.684	0.773578	1.023816	1.050583	32486.64
8283.082	0.772085	1.045231	1.04777	32396.24
8284.48	0.77382	1.054661	1.047518	32461.6
8285.888	0.777649	1.04179	1.045156	33456.56
8287.296	0.779265	1.058882	1.042451	33420.6
8288.704	0.779377	1.109368	1.045239	31434.6
8290.112	0.782584	1.158484	1.050881	28403.64
8291.519	0.783461	1.207479	1.055399	24841.32
8292.927	0.782948	1.239261	1.062128	22210.52
8294.339	0.782742	1.240278	1.062266	22258.12
8295.756	0.780671	1.241821	1.061155	22079.08
8297.173	0.778383	1.255898	1.069208	20302.72
8298.59	0.775332	1.261131	1.076063	19319.32
8300.007	0.767154	1.25663	1.079537	19202.76
8301.425	0.767017	1.240453	1.079368	19986.92
8302.842	0.770781	1.212451	1.075725	21609.84
8304.255	0.771468	1.192342	1.071722	22888.96

8305.666	0.774469	1.179566	1.067567	23842.12
8307.077	0.775311	1.16884	1.064105	24907.32
8308.488	0.773785	1.175294	1.063875	24719.8
8309.899	0.768155	1.18422	1.069212	23725.16
8311.31	0.760572	1.186025	1.075368	22752.12
8312.72	0.75179	1.193265	1.082204	21176.6
8314.109	0.751697	1.204987	1.088022	19903.32
8315.498	0.758865	1.211975	1.088826	19529.4
8316.888	0.762736	1.216124	1.085631	19703.52
8318.277	0.761959	1.211765	1.085435	19938.28
8319.666	0.758445	1.196447	1.085264	20503.96
8321.056	0.754654	1.185449	1.086179	20762.68
8322.435	0.757099	1.184446	1.090836	20094.32
8323.802	0.758237	1.182773	1.090858	20209.36
8325.169	0.755357	1.18043	1.093338	19997.48
8326.536	0.747445	1.180396	1.100793	18913.84
8327.903	0.741184	1.178056	1.105516	18162.4
8329.27	0.739468	1.173511	1.106421	18207.36
8330.637	0.736617	1.170037	1.111292	17815.08
8332.002	0.748109	1.16777	1.108955	18044.64
8333.366	0.762193	1.168421	1.095975	19667.4
8334.73	0.758674	1.170348	1.085989	21490.6
8336.095	0.756662	1.17806	1.086975	21365.8
8337.459	0.752955	1.185247	1.089974	20628.52
8338.824	0.748895	1.180125	1.090276	20751.6
8340.19	0.757783	1.175586	1.090486	20705.16
8341.573	0.764823	1.181539	1.090245	20594.36
8342.956	0.767499	1.191151	1.08605	20915.92
8344.34	0.76874	1.191285	1.078129	21802.68
8345.723	0.77009	1.186608	1.074397	22198.8
8347.106	0.774091	1.184186	1.07692	21961.6
8348.489	0.768631	1.176632	1.079037	22306.44
8349.884	0.756895	1.170011	1.07968	22618.24
8351.293	0.759882	1.173425	1.08247	21907.28
8352.702	0.764524	1.177995	1.081893	21711.16
8354.111	0.762215	1.17876	1.079148	22053.84
8355.52	0.765665	1.181638	1.077413	22299.36
8356.929	0.767795	1.189291	1.073238	22690.68
8358.338	0.764568	1.19103	1.072354	22625
8359.759	0.762244	1.184114	1.078262	22144.16
8361.182	0.763974	1.176867	1.085152	21552.44
8362.605	0.764083	1.165547	1.087547	21560.2
8364.028	0.762002	1.149922	1.088225	21894.24
8365.452	0.762652	1.14339	1.087863	22288.92

8366.875	0.76538	1.140756	1.083392	23185.24
8368.298	0.76621	1.136464	1.086515	22758.92
8369.723	0.767333	1.131355	1.08938	22342.88
8371.147	0.769422	1.123434	1.08371	23357.92
8372.571	0.769806	1.120768	1.081233	23927.84
8373.996	0.77101	1.112364	1.08114	24481.44
8375.42	0.768848	1.106785	1.078633	24936.72
8376.845	0.764891	1.107077	1.075525	25232.48
8378.266	0.763583	1.094682	1.070261	26225.24
8379.684	0.763978	1.092431	1.066471	26831.04
8381.103	0.764734	1.09628	1.067018	26574.56
8382.521	0.767397	1.094435	1.069418	25599.72
8383.939	0.766641	1.096195	1.074135	24420.2
8385.358	0.764827	1.090727	1.078716	23843.16
8386.776	0.763278	1.083974	1.081648	23655.76
8388.19	0.758493	1.087054	1.084953	23089.24
8389.602	0.751908	1.093696	1.088551	22552.12
8391.015	0.746232	1.091795	1.091139	22637.96
8392.427	0.745136	1.093073	1.094185	22031.16
8393.84	0.744507	1.099428	1.095343	21361.88
8395.253	0.738026	1.109187	1.095776	21224.4
8396.665	0.735666	1.111274	1.097941	20875.72
8398.073	0.739686	1.095312	1.100746	20601.12
8399.481	0.743458	1.090832	1.104265	20084.76
8400.889	0.744527	1.096013	1.110159	19060.56
8402.297	0.738573	1.092126	1.112771	18540.6
8403.705	0.740231	1.086625	1.105753	19301.84
8405.113	0.744551	1.08385	1.096916	20966.8
8406.519	0.740121	1.0721	1.093759	21856.92
8407.922	0.74368	1.064185	1.091646	22090.96
8409.326	0.752756	1.064962	1.08703	22538.56
8410.729	0.755716	1.054364	1.084799	22924.36
8412.133	0.75748	1.044857	1.088718	22647.6
8413.537	0.757221	1.045771	1.099369	21314.76
8414.94	0.748672	1.076704	1.111277	19406.68
8416.339	0.743833	1.101435	1.116089	18471.16
8417.738	0.744911	1.090855	1.11418	18764.28
8419.136	0.742406	1.094633	1.119765	18003.16
8420.534	0.743259	1.107583	1.124514	17187.04
8421.932	0.745345	1.102722	1.123663	17287.6
8423.33	0.749465	1.099085	1.124664	17164.2
8424.727	0.749707	1.109356	1.127509	16652.72
8426.119	0.749081	1.130716	1.132335	15976.12
8427.511	0.747578	1.136611	1.136769	15552.12

8428.903	0.749026	1.131301	1.141593	15077.76
8430.295	0.750552	1.133826	1.142514	14828.6
8431.687	0.753144	1.134664	1.146997	14292
8433.078	0.752931	1.128974	1.152417	13942.76
8434.468	0.742646	1.114843	1.149276	14482.12
8435.855	0.740703	1.10068	1.146619	14744.48
8437.243	0.741004	1.10594	1.146159	14659.08
8438.63	0.741491	1.10705	1.145787	14504.88
8440.018	0.750519	1.09225	1.141197	15152.68
8441.405	0.757597	1.081348	1.138209	15845.2
8442.793	0.753866	1.073432	1.139084	15940.96
8444.182	0.749201	1.070176	1.135148	16389.08
8445.571	0.751399	1.072822	1.130772	16780.52
8446.96	0.755632	1.071484	1.126381	17409.36
8448.349	0.758469	1.054212	1.114641	19319.28
8449.739	0.759685	1.0631	1.103641	20943.28
8451.128	0.762774	1.078219	1.099951	21362.88
8452.519	0.768713	1.056712	1.095342	22344.68
8453.916	0.772811	1.038165	1.090381	23490.52
8455.314	0.775387	1.027783	1.081294	24617.28
8456.711	0.775191	1.017798	1.071141	26503.72
8458.109	0.77314	1.014174	1.06489	28307.48
8459.506	0.773438	1.008152	1.061175	28964.04
8460.904	0.778568	1.004896	1.062043	29085.48
8462.307	0.78351	1.021719	1.061326	29398.56
8463.714	0.784622	1.036931	1.062524	28682.36
8465.122	0.786188	1.029188	1.064194	28287.92
8466.529	0.786077	1.019597	1.059643	29171.76
8467.937	0.786607	1.022816	1.056647	29291.88
8469.345	0.785015	1.043406	1.061269	28304.6
8470.752	0.783231	1.073899	1.074635	25875.52
8472.165	0.786584	1.077011	1.082616	24020.24
8473.578	0.785762	1.051731	1.081565	24326.52
8474.991	0.785075	1.041315	1.080303	25281.6
8476.404	0.785167	1.03378	1.077922	26105.64
8477.817	0.78208	1.014183	1.075998	26342.48
8479.23	0.782427	1.000405	1.074603	26519.6
8480.644	0.779921	1.005211	1.075393	26488.44
8482.057	0.780135	1.015279	1.078753	25902.76
8483.471	0.787035	1.014332	1.080453	25609.44
8484.885	0.78762	1.010539	1.076879	26196.2
8486.299	0.78699	1.013616	1.071766	26908.36
8487.712	0.788003	1.015137	1.071449	27202.52
8489.126	0.787614	0.995059	1.070453	27946.96

8490.538	0.782988	0.971903	1.064973	29432.04
8491.95	0.779614	0.973724	1.058812	30321.32
8493.361	0.78358	0.989966	1.059635	30094.12
8494.773	0.782342	0.999608	1.066438	28962
8496.184	0.778017	0.997431	1.069008	27967.68
8497.596	0.779018	0.993462	1.066863	28301.6
8499.007	0.780759	0.995191	1.067083	28437.12
8500.416	0.778917	1.006449	1.066808	28371.36
8501.825	0.777718	1.01733	1.065511	28335.48
8503.234	0.781512	1.027959	1.064761	28239.56
8504.644	0.784906	1.033274	1.063672	28693.84
8506.053	0.787161	1.019882	1.064214	29285.88
8507.462	0.788734	1.009537	1.070193	28455.56
8508.87	0.78695	1.004659	1.071641	28122.88
8510.277	0.784273	1.002037	1.069158	28042.04
8511.684	0.784631	1.008472	1.072904	26987.8
8513.091	0.78765	1.017602	1.075818	26458.16
8514.498	0.789936	0.999016	1.074074	26776.6
8515.905	0.789425	0.992979	1.07893	25574.56
8517.312	0.790556	1.008419	1.083611	24122.24
8518.718	0.789715	1.012455	1.077435	25561.28
8520.122	0.788072	1.003601	1.072229	26939.84
8521.526	0.791899	0.987434	1.069984	27367.4
8522.93	0.792101	0.972814	1.069181	27835.6
8524.334	0.790635	0.976967	1.071836	27534.28
8525.738	0.788714	1.017336	1.077016	26419
8527.142	0.785925	1.009492	1.0821	25508.92
8528.541	0.78822	1.007056	1.085481	24606.6
8529.939	0.790396	1.041589	1.083527	24667.28
8531.338	0.793952	1.027832	1.078966	25940.68
8532.737	0.794802	0.991073	1.08287	25709.88
8534.135	0.798147	0.973959	1.092656	23985.32
8535.534	0.800003	0.979077	1.103161	21792.52
8536.93	0.79695	0.985413	1.107979	20703.2
8538.321	0.797281	0.980216	1.101796	21841.96
8539.712	0.798847	0.9695	1.098179	22416.68
8541.102	0.799192	0.958451	1.104874	21270.12
8542.493	0.800104	0.96419	1.106444	20989.72
8543.884	0.796827	0.9817	1.099256	21936.04
8545.275	0.790635	0.986084	1.095272	22459.64
8546.661	0.786577	0.990668	1.091849	23011.2
8548.045	0.78305	1.002137	1.09192	22948.4
8549.429	0.783773	1.005934	1.094468	22454
8550.813	0.786581	0.997962	1.095013	22168

8552.197	0.788859	0.986188	1.089791	22896.16
8553.581	0.788538	0.992588	1.090786	22965.96
8554.965	0.78459	0.999629	1.102426	21333.76
8556.348	0.787092	0.998636	1.102044	21153.8
8557.731	0.790328	1.005861	1.102249	20703.68
8559.115	0.788777	1.01006	1.110149	19131.36
8560.498	0.787806	1.004171	1.118213	18083.96
8561.881	0.789384	0.982364	1.124937	17641.68
8563.265	0.790399	0.971156	1.129741	17086.92
8564.65	0.796207	0.978339	1.130161	16630.44
8566.039	0.799269	0.991674	1.122021	17301.48
8567.428	0.795705	1.010107	1.122765	17265
8568.818	0.794907	1.008174	1.133746	16207.48
8570.207	0.795497	0.996494	1.137182	15756.24
8571.596	0.796463	0.997293	1.14222	14979.36
8572.985	0.797751	1.001411	1.149853	13955.48
8574.38	0.803211	1.013434	1.15344	13398.68
8575.778	0.805129	1.029352	1.153337	13410.48
8577.176	0.799461	1.022444	1.148393	13949.52
8578.573	0.799058	1.009476	1.150295	14041.92
8579.971	0.800598	1.001339	1.153178	13818.96
8581.369	0.799631	1.005598	1.149052	14044.04
8582.766	0.804554	1.020917	1.145276	14583.52
8584.169	0.801042	1.02519	1.14748	14477.24
8585.571	0.791186	1.019693	1.156752	13571.32
8586.974	0.791699	1.011363	1.158202	13337
8588.377	0.793501	1.000794	1.153614	13832.4
8589.779	0.798828	1.004221	1.160963	13256.64
8591.182	0.799433	1.003987	1.167907	12543.6
8592.585	0.79368	1.007078	1.165557	12810.72
8593.988	0.79481	1.013346	1.165522	12713.28
8595.392	0.795991	1.008021	1.168292	12230.68
8596.796	0.793391	1.023512	1.17209	11919.32
8598.199	0.794295	1.017477	1.174627	11735.16
8599.603	0.797333	0.999713	1.172278	11871.44
8601.007	0.797292	0.998655	1.166666	12413.44
8602.41	0.791563	0.988432	1.155403	13495.28
8603.813	0.792044	0.990772	1.147086	14241.08
8605.216	0.796429	0.994025	1.143922	14420.52
8606.62	0.796811	0.991595	1.138467	15114
8608.023	0.795493	0.98433	1.126031	16718.96
8609.426	0.794056	0.974447	1.113813	18292.2
8610.83	0.793987	0.978679	1.108247	19378.84
8612.235	0.791893	0.989511	1.108789	19313.76

8613.64	0.792068	0.99184	1.113266	18261.6
8615.045	0.796428	0.984875	1.121143	17004.48
8616.45	0.799856	0.987601	1.129015	16045.36
8617.855	0.798597	0.999031	1.1304	16041.76
8619.26	0.79864	0.996754	1.136786	15406.48
8620.667	0.803333	0.987277	1.142964	14559.44
8622.076	0.805231	0.989983	1.142076	14661.28
8623.485	0.802021	1.00483	1.13903	15113.08
8624.895	0.797088	1.004796	1.143906	14685.88
8626.304	0.790107	0.992975	1.153737	13825.96
8627.713	0.7902	1.003356	1.155757	13508.2
8629.123	0.796446	1.016226	1.150824	13685.76
8630.535	0.797865	1.00771	1.138722	14962.72
8631.947	0.792492	0.984799	1.12634	16643.4
8633.36	0.788489	0.976928	1.121778	17627.68
8634.773	0.791386	0.995472	1.118661	18144.56
8636.186	0.793869	1.002408	1.108481	19544.52
8637.599	0.792803	0.990576	1.098603	20928.16
8639.012	0.792314	0.987219	1.092281	21583.44
8640.422	0.792737	0.982559	1.082762	23364.68
8641.833	0.792787	0.975637	1.075647	25036.88
8643.243	0.792358	0.974038	1.081591	24203.6
8644.654	0.792064	0.977815	1.091553	22383.48
8646.065	0.793362	0.973893	1.095433	21561.16
8647.475	0.787776	0.963252	1.094432	21802.76
8648.882	0.786128	0.978984	1.093663	21837.12
8650.285	0.790713	1.011341	1.098169	20961.32
8651.687	0.792899	1.017162	1.108658	19478.88
8653.089	0.793378	0.995383	1.121944	17868.44
8654.492	0.790363	0.979111	1.123453	17525.12
8655.894	0.790596	0.975211	1.113479	18743.8
8657.296	0.784608	0.959867	1.104245	20192.56
8658.692	0.786588	0.951098	1.103723	20216.2
8660.086	0.789516	0.953094	1.105606	19894.28
8661.479	0.785009	0.94647	1.102283	20490.2
8662.873	0.790558	0.95023	1.103055	20329.36
8664.266	0.796717	0.961568	1.110715	19212.56
8665.66	0.794797	0.967878	1.113968	18565.76
8667.053	0.789039	0.976217	1.115314	18094.88
8668.446	0.780887	0.964188	1.123884	16711.76
8669.839	0.779311	0.953244	1.130138	16007.12
8671.232	0.785962	0.949712	1.118576	18035.6
8672.624	0.788923	0.959757	1.099577	20752.76
8674.017	0.786051	0.957784	1.082665	23757.4

8675.41	0.787274	0.941674	1.071203	26210.48
8676.806	0.789575	0.942804	1.069852	26722.4
8678.207	0.789186	0.939522	1.06911	26898.32
8679.608	0.790316	0.962921	1.069848	26441.16
8681.008	0.791785	0.978791	1.076282	25066.08
8682.409	0.791922	0.96811	1.076808	24687.52
8683.81	0.788278	0.956954	1.072697	25390.04
8685.211	0.78412	0.960162	1.06818	26526.28
8686.62	0.786255	0.974243	1.06725	27008.08
8688.032	0.788912	0.973608	1.066313	27288.48
8689.444	0.786522	0.959468	1.058168	28874.52
8690.856	0.78864	0.9616	1.04694	31096.24
8692.268	0.789933	0.975293	1.042032	31927.24
8693.68	0.787007	0.978947	1.043211	31753.28
8695.093	0.78557	0.976903	1.043382	31698.32
8696.511	0.789707	0.975462	1.044742	31378.52
8697.93	0.791795	0.963822	1.038717	32955
8699.348	0.787613	0.963887	1.033016	34003.56
8700.766	0.787523	0.972004	1.035277	32878.44
8702.185	0.788525	0.961491	1.031839	34421.68
8703.603	0.785223	0.953729	1.026226	36914.88
8705.022	0.784571	0.94849	1.025586	36816
8706.441	0.786104	0.947856	1.025909	36450.08
8707.86	0.784156	0.96539	1.022939	37693.88
8709.279	0.780569	0.977758	1.023891	37972.96
8710.698	0.780426	0.965735	1.027503	37136.32
8712.118	0.781718	0.951551	1.028692	36321.24
8713.537	0.782859	0.942864	1.029778	35513.32
8714.955	0.78791	0.945756	1.027139	36707.96
8716.373	0.789569	0.959946	1.024695	38391.44
8717.791	0.784402	0.972008	1.027936	37704.28
8719.208	0.783287	0.970139	1.033095	36397.36
8720.626	0.780708	0.988604	1.039274	34957.24
8722.044	0.778779	1.023515	1.044318	33436.96
8723.462	0.78014	1.030428	1.043257	33575.44
8724.882	0.773413	1.035488	1.042086	33544.08
8726.302	0.767285	1.042412	1.042972	32801.16
8727.722	0.762993	1.049857	1.043671	32073.72
8729.141	0.763931	1.056811	1.04241	32247.4
8730.561	0.765257	1.06121	1.04156	32520.56
8731.981	0.759179	1.072693	1.048016	30881.4
8733.404	0.759612	1.080757	1.056006	28700.28
8734.829	0.760387	1.08041	1.060239	27414.44
8736.255	0.758884	1.079827	1.062444	27047.24

8737.68	0.758492	1.082044	1.066239	26264.16
8739.105	0.756962	1.078908	1.068856	25661.32
8740.531	0.756997	1.075466	1.070578	25803.52
8741.956	0.749933	1.067576	1.077717	25084.92
8743.387	0.744317	1.031902	1.08232	24370.92
8744.818	0.749978	0.997063	1.07814	25421.4
8746.249	0.752738	1.006608	1.077343	25828.44
8747.68	0.741984	1.012792	1.083531	24718.12
8749.112	0.733158	1.01857	1.086877	23991.24
8750.543	0.732338	1.0134	1.0762	25480.44
8751.974	0.734905	0.986414	1.065026	27610.96
8753.406	0.737831	0.97601	1.060457	29637.2
8754.837	0.740056	0.976047	1.056353	31453.56
8756.268	0.744274	0.971306	1.058451	30455.36
8757.7	0.747358	0.97269	1.05959	29663.52
8759.131	0.751657	0.993248	1.059445	30025.4
8760.563	0.752637	0.998667	1.057823	30629
8761.991	0.753458	1.005338	1.051664	31884.36
8763.417	0.762438	1.002349	1.045191	33638.92
8764.842	0.772307	1.016401	1.037535	35766.44
8766.268	0.776948	1.009055	1.02862	38470.6
8767.693	0.776369	0.97503	1.026042	39666.08
8769.119	0.776834	0.984565	1.026712	38700.52
8770.545	0.782026	0.986587	1.023251	39352.88
8771.962	0.785026	0.975817	1.016657	41284.92
8773.378	0.784733	0.969553	1.014732	42140.48
8774.794	0.782858	0.970933	1.017828	41836.56
8776.21	0.782016	0.982769	1.019405	41050.08
8777.626	0.783554	0.982007	1.019203	40713.68
8779.042	0.784769	0.973583	1.016847	41545.52
8780.457	0.784776	0.977572	1.014663	42343.96
8781.864	0.783603	0.989098	1.01935	40235.2
8783.271	0.782539	0.99279	1.025485	37926.52
8784.677	0.779467	0.987671	1.031225	36651.6
8786.084	0.778183	0.985417	1.03562	35358.16
8787.491	0.778991	0.998526	1.037149	34456.6
8788.898	0.778943	1.014928	1.040162	33367.32
8790.301	0.779661	1.031964	1.042492	32749.24
8791.699	0.777052	1.049119	1.04361	32175.4
8793.097	0.775469	1.063784	1.043301	31833.52
8794.496	0.776925	1.07402	1.043093	31732.4
8795.894	0.775129	1.075057	1.044877	31776.72
8797.293	0.774384	1.070134	1.045774	32194.52
8798.691	0.776372	1.075631	1.045812	31260.16

8800.083	0.772967	1.083506	1.047849	30341.16
8801.475	0.77065	1.089596	1.05415	29467.08
8802.867	0.766213	1.089776	1.059242	28497.2
8804.258	0.763974	1.082939	1.060522	28062.92
8805.65	0.765023	1.077967	1.065305	26602.8
8807.041	0.76532	1.068856	1.07299	25021.08
8808.432	0.765317	1.063037	1.078814	24429.52
8809.82	0.760792	1.063798	1.08717	23413.68
8811.208	0.760797	1.064592	1.096448	21750.04
8812.597	0.761494	1.068389	1.102842	20621.72
8813.985	0.754068	1.052853	1.102363	20719.36
8815.373	0.752011	1.028075	1.09907	21603.52
8816.761	0.762101	1.028109	1.101901	21627.76
8818.149	0.762858	1.039146	1.105732	21004.6
8819.537	0.754171	1.0286	1.104301	21254.76
8820.925	0.753222	1.016604	1.094919	22617.08
8822.313	0.758323	1.032836	1.087993	23366.96
8823.701	0.762392	1.055308	1.088841	22923.2
8825.089	0.76709	1.064613	1.091034	22707.96
8826.477	0.770065	1.05441	1.088146	23725
8827.867	0.769758	1.052728	1.087298	23807.88
8829.257	0.768915	1.059553	1.090756	22867.72
8830.647	0.769437	1.056548	1.091677	22634.08
8832.036	0.771568	1.06147	1.09205	22495.04
8833.426	0.773166	1.069467	1.093374	22050.48
8834.816	0.777644	1.056451	1.091443	22632.44
8836.206	0.779931	1.044144	1.090749	23296.72
8837.596	0.771241	1.039384	1.096043	22443.52
8838.987	0.765499	1.022482	1.097994	21853.68
8840.377	0.769377	1.027662	1.098583	21606
8841.768	0.776896	1.028609	1.09312	22489.56
8843.158	0.782292	1.012013	1.08881	23195.56
8844.549	0.782156	1.026767	1.093246	22351.88
8845.939	0.783569	1.04262	1.098012	21727.64
8847.329	0.785284	1.036453	1.09856	21519.88
8848.719	0.782356	1.032251	1.099165	21058.72
8850.109	0.782122	1.036304	1.096455	21594.68
8851.499	0.788534	1.037309	1.090901	22980.84
8852.889	0.79337	1.028553	1.090912	23511.16
8854.279	0.79492	1.021818	1.091998	23324.24
8855.667	0.794799	1.007539	1.093234	23040.72
8857.055	0.79414	0.997009	1.093829	23096.16
8858.443	0.796938	0.988107	1.095123	22804.52
8859.831	0.799573	0.986208	1.098342	22165.68

8861.219	0.800481	1.005582	1.096875	22214.44
8862.607	0.800463	1.003926	1.092981	22839.44
8863.994	0.795507	0.989223	1.090537	23753.28
8865.379	0.791545	0.996038	1.093874	23409.72
8866.763	0.793327	1.008663	1.097472	22437.28
8868.147	0.795573	1.025014	1.096809	22412.28
8869.531	0.797365	1.021623	1.09759	22274.8
8870.916	0.79863	1.001309	1.0985	22135.6
8872.3	0.797041	0.996279	1.099509	21981.24
8873.681	0.795383	0.995881	1.098952	22230.64
8875.059	0.792741	1.011472	1.099152	22241.68
8876.438	0.794679	1.023837	1.100903	21682.56
8877.817	0.795545	1.010122	1.10445	20921.68
8879.195	0.793306	1.006457	1.107274	20368.24
8880.574	0.795352	1.016124	1.108711	19908.08
8881.953	0.798161	1.013387	1.105906	20344.32
8883.327	0.800865	0.996005	1.102064	21459.12
8884.701	0.802225	0.9824	1.09834	22202.92
8886.075	0.798084	0.984715	1.091388	23236.68
8887.448	0.796831	0.981661	1.089602	23827.88
8888.822	0.802561	0.972033	1.099088	22116.88
8890.196	0.805401	0.968965	1.10573	20729.64
8891.57	0.804591	0.978478	1.099447	21656.12
8892.944	0.804268	0.995826	1.093235	22802.64
8894.318	0.804177	1.017544	1.0946	22781.44
8895.691	0.802871	1.002638	1.101035	21976.24
8897.065	0.804751	0.993707	1.107493	21169.6
8898.439	0.805565	1.001477	1.106007	21018.24
8899.813	0.7995	0.992886	1.098732	21801.68
8901.19	0.789282	0.980538	1.094775	22308.4
8902.569	0.788938	0.988549	1.094452	22167.2
8903.948	0.790022	0.989048	1.08851	23165.76
8905.327	0.787728	0.971537	1.085315	24017.36
8906.706	0.790405	0.972061	1.087414	24016
8908.084	0.792506	0.973327	1.088952	23415.44
8909.463	0.793337	0.980118	1.0894	22944.16
8910.85	0.798088	0.9817	1.089493	22984.6
8912.236	0.799001	0.979867	1.092419	22593.84
8913.623	0.793099	0.996658	1.100212	21472.88
8915.009	0.787852	1.000014	1.104417	20775.6
8916.396	0.78999	0.992385	1.110728	19703.08
8917.783	0.794396	1.014576	1.125592	17523
8919.171	0.793413	1.029588	1.136849	16131.32
8920.563	0.79239	1.020842	1.138296	15889.16

8921.956	0.794735	1.008586	1.147219	14794.64
8923.348	0.800125	1.004704	1.168577	12617.52
8924.74	0.800366	1.017088	1.179023	11738.04
8926.132	0.798797	1.015716	1.180761	11727.84
8927.525	0.800484	1.001029	1.182789	11429.4
8928.919	0.795499	0.990282	1.17528	12059.2
8930.315	0.78645	0.980217	1.167509	12818.44
8931.71	0.780071	0.98551	1.176253	11897.12
8933.106	0.786697	1.003364	1.186825	10688.16
8934.501	0.798764	1.006919	1.192944	10177.64
8935.897	0.801388	1.009588	1.198622	9832.04
8937.293	0.800823	1.013277	1.197318	10014.96
8938.689	0.807073	1.026224	1.192078	10306.28
8940.086	0.811743	1.029274	1.188344	10403.88
8941.482	0.807709	1.014236	1.186213	10723.8
8942.879	0.807227	1.006281	1.19589	10309.36
8944.275	0.801698	0.999213	1.196722	10255.8
8945.672	0.802878	1.012376	1.196671	10097.6
8947.068	0.808869	1.025223	1.203815	9562.48
8948.463	0.809023	1.033025	1.201115	9728
8949.858	0.811567	1.034519	1.198503	10022.72
8951.253	0.810962	1.028062	1.197591	10146.56
8952.648	0.807153	1.026134	1.195214	10202.48
8954.043	0.805882	1.040654	1.191717	10296.92
8955.439	0.80661	1.089395	1.193855	10049.6
8956.831	0.803434	1.097466	1.196006	9825
8958.222	0.80194	1.069655	1.192364	10153.68
8959.614	0.802662	1.057399	1.193496	10156.88
8961.005	0.800383	1.085347	1.196248	9900.92
8962.397	0.804115	1.099288	1.195241	9932.84
8963.788	0.810165	1.080379	1.192654	10211.44
8965.179	0.814492	1.060799	1.197298	9942.48
8966.566	0.811577	1.039301	1.198194	9884.8
8967.952	0.804307	1.045031	1.189142	10495.92
8969.339	0.800584	1.049532	1.180979	11139.52
8970.726	0.801334	1.060136	1.181746	11290.56
8972.113	0.807091	1.06169	1.18619	11170.6
8973.499	0.813744	1.059403	1.186845	10831.16
8974.885	0.80879	1.077369	1.193173	9477.48
8976.269	0.799144	1.073581	1.196725	9162.6
8977.652	0.795314	1.053566	1.192917	9947.76
8979.036	0.797614	1.047538	1.196619	9882.52
8980.42	0.803145	1.057694	1.196132	9895.56
8981.803	0.80752	1.077866	1.196636	9692

8983.187	0.807688	1.074162	1.19474	9828.32
8984.57	0.803811	1.070316	1.187314	10497.12
8985.952	0.807633	1.075514	1.19252	10171.76
8987.335	0.805	1.056019	1.19278	10172.44
8988.717	0.795113	1.064578	1.191221	10248.72
8990.1	0.798887	1.079248	1.202013	9556.76
8991.482	0.801602	1.052197	1.200519	9774.92
8992.865	0.802328	1.043845	1.183063	10953.16
8994.247	0.803273	1.055033	1.169759	11917.28
8995.629	0.79846	1.054385	1.165038	12551.76
8997.011	0.798879	1.051845	1.159282	13096
8998.393	0.799303	1.048087	1.155999	13244.56
8999.775	0.798446	1.047668	1.158912	13089.12
9001.157	0.798052	1.061656	1.164227	12514.64
9002.538	0.801892	1.077146	1.172057	11616.76
9003.918	0.800859	1.094974	1.184195	10654.52
9005.297	0.792906	1.105296	1.185194	10518
9006.677	0.784614	1.088859	1.158264	12983.52
9008.057	0.781734	1.075373	1.140426	14744.4
9009.437	0.787013	1.073229	1.146995	13951.08
9010.817	0.79533	1.076827	1.144887	14300.48
9012.193	0.804547	1.080775	1.138822	15397.48
9013.569	0.802628	1.069186	1.137285	15799.68
9014.945	0.790205	1.046636	1.126591	16932.96
9016.321	0.785364	1.03917	1.120369	17744.6
9017.697	0.786164	1.051909	1.11717	18431.08
9019.072	0.785473	1.059569	1.120187	17934.04
9020.448	0.784755	1.061228	1.127494	16738.44
9021.819	0.783082	1.071754	1.123263	17329.52
9023.191	0.782529	1.070484	1.125177	17363.28
9024.562	0.783985	1.057595	1.131373	16648.48
9025.933	0.78218	1.066519	1.136325	15721.88
9027.305	0.775757	1.077298	1.139315	15200.8
9028.676	0.772447	1.069104	1.135113	15796.68
9030.046	0.77609	1.06149	1.136128	15764.32
9031.415	0.786851	1.080632	1.139094	15317.76
9032.784	0.79006	1.065797	1.13386	15972.76
9034.153	0.790756	1.018324	1.130872	16770.52
9035.521	0.791083	1.004456	1.128787	17332
9036.89	0.789005	1.009428	1.128064	17438.36
9038.259	0.787898	0.998458	1.130919	16996.8
9039.627	0.787451	0.994265	1.131687	16940
9040.996	0.793126	1.011928	1.135279	16566.44
9042.364	0.797448	1.02431	1.139785	15649.92

9043.732	0.795403	1.033274	1.140948	15036.56
9045.1	0.797964	1.028575	1.149584	14353.68
9046.469	0.793249	1.026269	1.165647	12741.24
9047.837	0.783675	1.040942	1.172104	11700.92
9049.206	0.791112	1.049455	1.170265	11848.24
9050.576	0.799364	1.044408	1.172543	11876.28
9051.945	0.801201	1.042319	1.18178	11244.6
9053.314	0.802888	1.085386	1.192483	10388.4
9054.683	0.807724	1.094699	1.195601	10164.4
9056.053	0.810589	1.053819	1.186159	10886.72
9057.422	0.805695	1.040449	1.179286	11575.08
9058.793	0.800487	1.050115	1.180477	11537.32
9060.163	0.799144	1.064434	1.178673	11584.04
9061.533	0.796476	1.083146	1.175974	11704.12
9062.904	0.792332	1.071937	1.171644	12110.88
9064.274	0.795781	1.063227	1.16713	12455.2
9065.644	0.798736	1.081525	1.161222	12916.84
9067.015	0.79635	1.106677	1.156453	13527.2
9068.387	0.79687	1.142183	1.142989	14891.64
9069.758	0.791241	1.156233	1.109154	18624.64
9071.129	0.786107	1.137028	1.07697	23636.24
9072.501	0.784303	1.102328	1.061551	27482.48
9073.872	0.78082	1.078823	1.057995	28836.8
9075.244	0.783418	1.064775	1.058478	28806.68
9076.616	0.783035	1.046728	1.058428	28851.32
9077.989	0.78051	1.019874	1.054645	30336.12
9079.362	0.778794	1.00747	1.051735	31482.56
9080.735	0.775136	1.015147	1.054033	30346.88
9082.108	0.776342	1.029236	1.061342	28060.16
9083.48	0.77699	1.054071	1.06937	26474.36
9084.855	0.777108	1.05089	1.072644	26165.24
9086.23	0.777796	1.031458	1.071353	26623.92
9087.605	0.770545	1.016617	1.070376	26701.4
9088.981	0.765878	0.989813	1.067782	27227.32
9090.356	0.769071	0.98056	1.067782	27498.6
9091.732	0.769714	1.008028	1.077322	25473.52
9093.107	0.7662	1.014321	1.07561	25796.28
9094.486	0.764714	1.011216	1.07017	27047.56
9095.865	0.767766	1.045729	1.083065	24285.6
9097.244	0.76463	1.062143	1.096253	21570.84
9098.624	0.758615	1.055635	1.102173	20803.2
9100.003	0.76123	1.064373	1.109976	19713.96
9101.382	0.764839	1.070266	1.116101	18557.72
9102.762	0.762993	1.063038	1.11889	18028.16

9104.144	0.759527	1.052901	1.127529	16867.28
9105.527	0.759863	1.041674	1.130617	16538
9106.909	0.761975	1.028854	1.123584	17555.48
9108.291	0.767645	1.023437	1.112394	19065.92
9109.673	0.778522	1.025214	1.098346	20974.76
9111.056	0.787606	1.012303	1.080499	24368.92
9112.437	0.787127	1.004893	1.059704	29183.88
9113.818	0.78161	1.018187	1.046719	32135.88
9115.199	0.778201	1.016295	1.043389	33182.96
9116.579	0.774943	0.999406	1.046228	32769.32
9117.96	0.76946	0.994212	1.066219	28109.12
9119.341	0.767069	0.983433	1.084289	24111.48
9120.722	0.771712	0.992393	1.092107	22654.92
9122.097	0.776507	1.020963	1.089172	22964.68
9123.471	0.775671	1.027005	1.072403	26039.04
9124.845	0.769325	1.01833	1.059591	29024.2
9126.22	0.770408	1.036187	1.05646	29635.12
9127.594	0.773378	1.038564	1.055697	29827.56
9128.968	0.772282	1.019668	1.060187	29296.16
9130.341	0.772933	1.017752	1.065911	28177.07
9131.709	0.773234	1.015931	1.066069	28163.74
9133.076	0.773534	1.01411	1.066226	28150.42
9134.443	0.773835	1.012289	1.066383	28137.09
9135.811	0.774135	1.010468	1.06654	28123.76
9137.178	0.774436	1.008647	1.066697	28110.43
9138.546	0.774736	1.006826	1.066855	28097.11
9139.913	0.775037	1.005005	1.067012	28083.78
9141.282	0.775337	1.003184	1.067169	28070.45
9142.65	0.775638	1.001363	1.067326	28057.12
9144.018	0.775938	0.999542	1.067483	28043.8
9145.386	0.776239	0.997721	1.06764	28030.47
9146.754	0.776539	0.9959	1.067798	28017.14
9148.123	0.77684	0.994079	1.067955	28003.82
9149.499	0.777141	0.992258	1.068112	27990.49
9150.877	0.777441	0.990437	1.068269	27977.16
9152.254	0.777742	0.988616	1.068426	27963.83
9153.632	0.778042	0.986795	1.068584	27950.51
9155.009	0.778343	0.984973	1.068741	27937.18
9156.387	0.778643	0.983152	1.068898	27923.85
9157.767	0.778944	0.981331	1.069055	27910.52
9159.158	0.779244	0.97951	1.069212	27897.2
9160.548	0.779545	0.977689	1.069369	27883.87
9161.939	0.779845	0.975868	1.069527	27870.54
9163.33	0.780146	0.974047	1.069684	27857.22

9164.72	0.780446	0.972226	1.069841	27843.89
9166.111	0.780747	0.970405	1.069998	27830.56
9167.506	0.781048	0.968584	1.070155	27817.23
9168.905	0.781348	0.966763	1.070313	27803.91
9170.303	0.781649	0.964942	1.07047	27790.58
9171.702	0.781949	0.963121	1.070627	27777.25
9173.1	0.78225	0.9613	1.070784	27763.92
9174.499	0.78255	0.959479	1.070941	27750.6
9175.897	0.782851	0.957658	1.071098	27737.27
9177.297	0.783151	0.955837	1.071256	27723.94
9178.698	0.783452	0.954016	1.071413	27710.62
9180.098	0.783752	0.952195	1.07157	27697.29
9181.499	0.784053	0.950374	1.071727	27683.96
9182.899	0.784353	0.948553	1.071884	27670.63
9184.299	0.784654	0.946732	1.072042	27657.31
9185.699	0.784955	0.944911	1.072199	27643.98
9187.097	0.785255	0.94309	1.072356	27630.65
9188.495	0.785556	0.941269	1.072513	27617.32
9189.893	0.785856	0.939448	1.07267	27604
9191.29	0.786157	0.937627	1.072827	27590.67
9192.688	0.786457	0.935806	1.072985	27577.34
9194.086	0.786758	0.933985	1.073142	27564.02
9195.482	0.787058	0.932164	1.073299	27550.69
9196.876	0.787359	0.930343	1.073456	27537.36
9198.27	0.787659	0.928522	1.073613	27524.03
9199.664	0.78796	0.926701	1.073771	27510.71
9201.059	0.78826	0.92488	1.073928	27497.38
9202.453	0.788561	0.923059	1.074085	27484.05
9203.847	0.788862	0.921238	1.074242	27470.72
9205.237	0.789162	0.919417	1.074399	27457.4
9206.627	0.779578	0.922637	1.081931	25333.56
9208.017	0.778321	0.925636	1.085993	23834.52
9209.407	0.780824	0.928679	1.08604	23846.28
9210.797	0.775632	0.940723	1.103895	20649.04
9212.187	0.785775	0.9467	1.109561	19412.04
9213.576	0.796162	0.94892	1.106896	19397.96
9214.963	0.791069	0.944253	1.101481	20375.36
9216.35	0.787518	0.940383	1.098738	21236.64
9217.737	0.799049	0.951114	1.115231	18587.12
9219.124	0.809998	0.959403	1.127096	16687.56
9220.511	0.809638	0.958388	1.125547	16883.76
9221.898	0.800095	0.947488	1.110754	19377.36
9223.287	0.800269	0.943579	1.101888	20852.68
9224.676	0.804927	0.954672	1.1131	18824.32

9226.065	0.81128	0.966906	1.127306	16724.84
9227.454	0.815929	0.970698	1.125048	17425.6
9228.844	0.807555	0.967936	1.112347	19103.92
9230.233	0.802139	0.967241	1.101079	20701.8
9231.622	0.805096	0.961503	1.086272	23838.96
9233.019	0.812896	0.963062	1.087356	24064.12
9234.416	0.813334	0.973655	1.104693	21240.52
9235.813	0.806586	0.979723	1.117306	19278.52
9237.21	0.804702	0.98957	1.132971	16916.56
9238.607	0.805118	0.999492	1.14097	15583.56
9240.004	0.804569	1.001614	1.122721	17981.48
9241.404	0.799831	1.004664	1.105525	20437.8
9242.812	0.802514	1.007276	1.101598	20994.6
9244.22	0.81236	1.014744	1.103164	20614.52
9245.629	0.812826	1.023753	1.104146	20333.88
9247.037	0.806822	1.02386	1.09328	22297.48
9248.445	0.803186	1.016835	1.083664	24380.68
9249.853	0.80359	1.010921	1.082916	24742.24
9251.267	0.804583	1.009801	1.087107	23923.44
9252.685	0.802706	1.010767	1.093072	22832.48
9254.103	0.800639	1.012341	1.093458	22572.76
9255.521	0.803409	1.016488	1.093975	22446.8
9256.939	0.80455	1.019934	1.092204	23015.84
9258.357	0.804682	1.021826	1.090052	23545.4
9259.774	0.806607	1.023509	1.093061	23037.96
9261.2	0.802977	1.027708	1.100479	21688.2
9262.626	0.793897	1.027914	1.102877	21256.56
9264.052	0.791852	1.030696	1.102962	20860.84
9265.478	0.800628	1.046239	1.110006	19468.44
9266.904	0.806645	1.059261	1.114257	19033.16
9268.33	0.804639	1.064985	1.122581	18007.12
9269.758	0.800293	1.059965	1.137141	16030.6
9271.189	0.803296	1.056846	1.154082	14088.36
9272.621	0.800389	1.058193	1.165186	13144.72
9274.052	0.805107	1.060269	1.170357	12763.72
9275.483	0.812389	1.063452	1.178188	11720.96
9276.914	0.811293	1.068529	1.19305	10289.52
9278.345	0.811821	1.074381	1.20059	9731.08
9279.777	0.808352	1.077315	1.201949	9709.68
9281.208	0.806905	1.0808	1.211562	9184
9282.639	0.802551	1.077712	1.21563	8922.96
9284.071	0.803798	1.07601	1.221872	8482.76
9285.502	0.80423	1.078948	1.219826	8629.44
9286.933	0.800828	1.084282	1.220973	8564.84

9288.365	0.79809	1.089682	1.227233	8128.56
9289.791	0.799559	1.075458	1.206836	9498
9291.217	0.810025	1.065454	1.198287	10171.6
9292.643	0.803423	1.064283	1.195231	10247.4
9294.069	0.792778	1.056706	1.184547	11028.16
9295.495	0.800971	1.062405	1.19052	10607.04
9296.921	0.8108	1.079561	1.204628	9292.32
9298.345	0.820629	1.094235	1.216003	8539.24
9299.764	0.818626	1.10174	1.21864	8338.12
9301.183	0.81389	1.097685	1.215689	8409.4
9302.602	0.815154	1.092236	1.202432	9394.92
9304.021	0.810774	1.081671	1.185434	10609.84
9305.441	0.815244	1.081242	1.183201	10856.92
9306.86	0.818025	1.085894	1.181366	11080.24
9308.278	0.814352	1.077563	1.174278	11655.96
9309.697	0.81546	1.073712	1.171867	11875.2
9311.115	0.816145	1.073771	1.172925	11912.2
9312.533	0.814084	1.073116	1.177085	11508.4
9313.951	0.81319	1.065303	1.171975	11972.64
9315.369	0.815891	1.065267	1.167158	12473.2
9316.787	0.8173	1.074554	1.169423	12002.8
9318.211	0.812514	1.07802	1.172625	11646.96
9319.635	0.812487	1.076363	1.175341	11519.08
9321.058	0.812594	1.06888	1.171336	11946.48
9322.482	0.813746	1.06712	1.169829	12010.12
9323.906	0.816314	1.069949	1.165566	12262.2
9325.329	0.815195	1.06768	1.155918	13290.4
9326.756	0.81619	1.06825	1.154991	13316.72
9328.187	0.817394	1.065411	1.160284	12948.2
9329.618	0.817641	1.070166	1.169236	12421.76
9331.05	0.816416	1.073939	1.170365	12166.68
9332.481	0.814087	1.066075	1.15967	13068.36
9333.912	0.811535	1.070316	1.158384	13364.92
9335.343	0.805658	1.071922	1.156455	13651.76
9336.775	0.799491	1.060671	1.14538	14590.48
9338.207	0.797538	1.056366	1.136676	15326.6
9339.639	0.795782	1.057728	1.126869	16515.64
9341.071	0.797077	1.053742	1.124153	16729.68
9342.504	0.793581	1.052842	1.123504	16651.56
9343.936	0.786368	1.046853	1.119117	17196.8
9345.367	0.78856	1.053932	1.122118	16479.44
9346.792	0.790846	1.050173	1.121785	16538.4
9348.218	0.799413	1.029715	1.121641	16939.44
9349.643	0.805918	1.034064	1.122567	17196.4

9351.068	0.809277	1.045443	1.124107	17249.88
9352.493	0.806149	1.038116	1.127266	16876.32
9353.918	0.797496	1.039481	1.132988	16105.76
9355.339	0.802362	1.036739	1.141809	14987.24
9356.753	0.806308	1.025112	1.152202	13764.72
9358.168	0.804491	1.05122	1.162808	12506.2
9359.582	0.805385	1.059046	1.175698	11354.24
9360.996	0.803902	1.04272	1.184527	10658.76
9362.411	0.804017	1.041344	1.183863	10778.88
9363.825	0.812213	1.045289	1.18527	10686.92
9365.234	0.813329	1.057939	1.186005	10615.76
9366.641	0.813396	1.063684	1.18817	10402.88
9368.048	0.816593	1.070047	1.198351	9645.56
9369.455	0.822213	1.080084	1.207436	9094.36
9370.862	0.824629	1.068128	1.19859	9830.6
9372.27	0.818474	1.053419	1.182656	11048.24
9373.677	0.817494	1.060124	1.182712	11133.84
9375.081	0.816164	1.087395	1.19359	10197.72
9376.486	0.806254	1.07757	1.191973	10076.2
9377.891	0.79681	1.042335	1.174046	11369.44
9379.295	0.796591	1.028112	1.155416	13063.76
9380.7	0.794879	1.021642	1.14159	14365.48
9382.105	0.788739	1.022146	1.136864	14896.32
9383.51	0.790735	1.024341	1.139983	14753.48
9384.915	0.786762	1.034858	1.146227	13751.8
9386.32	0.785256	1.043402	1.150647	13274.52
9387.725	0.789099	1.029637	1.150176	13627.8
9389.131	0.785933	1.021863	1.156455	12884.48
9390.536	0.785143	1.026322	1.171588	11518.44
9391.941	0.784851	1.051938	1.189418	10001.52
9393.346	0.798032	1.106739	1.209889	8378.12
9394.751	0.814285	1.106037	1.228667	7410.04
9396.157	0.822362	1.078741	1.237486	7218.68
9397.562	0.827286	1.075526	1.223856	8058.4
9398.967	0.828243	1.065432	1.202349	9378.6
9400.372	0.81913	1.054823	1.187958	10588.28
9401.777	0.811809	1.043096	1.174549	11505.88
9403.182	0.815908	1.035776	1.169419	11856.08
9404.586	0.821605	1.042914	1.175645	11563.8
9405.99	0.823895	1.05433	1.178212	11301.64
9407.395	0.820665	1.054691	1.17336	11625.44
9408.799	0.815937	1.048215	1.173069	11642.04
9410.204	0.81255	1.042846	1.163598	12556.4
9411.608	0.811302	1.056417	1.151943	13620.4

9413.011	0.811514	1.069118	1.154751	13184.88
9414.415	0.810751	1.066075	1.168461	11831.24
9415.818	0.809692	1.067345	1.177646	11104.52
9417.222	0.814144	1.073288	1.187306	10456.48
9418.625	0.81753	1.07782	1.198572	9522.8
9420.029	0.821007	1.075558	1.199522	9531.92
9421.433	0.821863	1.074601	1.201089	9574.32
9422.838	0.821089	1.081413	1.21058	9023.04
9424.243	0.823379	1.084778	1.216314	8658.72
9425.648	0.81348	1.07335	1.180167	11307.72
9427.052	0.795697	1.041535	1.119941	17557.44
9428.457	0.79153	1.032906	1.086361	22246.72
9429.862	0.79373	1.039917	1.079348	23301.8
9431.27	0.791054	1.026255	1.077601	24153.92
9432.678	0.785793	1.012283	1.076107	24691.32
9434.087	0.77299	1.007999	1.075302	24066.36
9435.495	0.767682	1.012971	1.074014	24413.36
9436.903	0.774822	1.025586	1.07633	24701.28
9438.311	0.779708	1.034178	1.08198	23480.72
9439.721	0.779679	1.034668	1.083498	23099.48
9441.132	0.785831	1.032828	1.081579	23619.84
9442.544	0.789186	1.026562	1.078728	23422.92
9443.955	0.782424	1.019749	1.074609	23761.2
9445.367	0.776829	1.016713	1.070114	24971.68
9446.778	0.774693	1.019589	1.065064	26000.28
9448.19	0.772547	1.025852	1.066091	25712.44
9449.601	0.775721	1.028756	1.069701	24942.4
9451.012	0.783676	1.036942	1.0735	24214.2
9452.423	0.784696	1.038496	1.067638	25581.6
9453.834	0.785674	1.042639	1.062608	26379.28
9455.245	0.788123	1.050684	1.062622	25937.84
9456.656	0.786648	1.052131	1.059317	26407.08
9458.066	0.787438	1.052571	1.057299	27120.48
9459.472	0.789699	1.043032	1.048957	29135.52
9460.878	0.793761	1.033328	1.049869	28979.08
9462.284	0.790892	1.031081	1.061099	26804.52
9463.69	0.782608	1.033102	1.065726	25485.24
9465.096	0.776655	1.029779	1.061408	26078.48
9466.502	0.77327	1.027101	1.060678	26035.08
9467.904	0.77186	1.024299	1.062462	25914.16
9469.303	0.770051	1.01474	1.060082	26566.96
9470.703	0.770752	1.011539	1.061109	26167.8
9472.102	0.767322	1.021411	1.0627	26076.88
9473.502	0.762588	1.022891	1.058727	26913.28

9474.901	0.763891	1.011764	1.052384	28348.44
9476.301	0.765189	1.016378	1.056742	27610.56
9477.699	0.764518	1.025422	1.064366	25967.88
9479.097	0.76646	1.025276	1.06607	25806.08
9480.496	0.769	1.020335	1.069912	25284.12
9481.894	0.771417	1.02152	1.079781	23397.52
9483.292	0.774693	1.026588	1.082119	23142.24
9484.69	0.779035	1.026067	1.082344	23196.72
9486.089	0.780879	1.028084	1.086552	22023.68
9487.492	0.779881	1.031905	1.08577	21796.92
9488.896	0.77758	1.032414	1.081697	22289.96
9490.299	0.780736	1.045183	1.086472	21263.64
9491.702	0.785174	1.057851	1.093033	20036.13
9493.105	0.784546	1.058257	1.092592	20092.15
9494.508	0.783918	1.058663	1.092151	20148.17
9495.915	0.783291	1.059068	1.09171	20204.19
9497.327	0.782663	1.059474	1.091269	20260.21
9498.738	0.782035	1.05988	1.090828	20316.23
9500.149	0.781407	1.060286	1.090386	20372.25
9501.56	0.78078	1.060692	1.089945	20428.26
9502.972	0.780152	1.061098	1.089504	20484.28
9504.383	0.779524	1.061504	1.089063	20540.3
9505.799	0.778896	1.061909	1.088622	20596.32
9507.216	0.778269	1.062315	1.088181	20652.34
9508.633	0.777641	1.062721	1.08774	20708.36
9510.05	0.777013	1.063127	1.087299	20764.38
9511.468	0.776386	1.063533	1.086858	20820.4
9512.885	0.775758	1.063939	1.086417	20876.42
9514.302	0.77513	1.064345	1.085976	20932.44
9515.722	0.774502	1.064751	1.085535	20988.46
9517.141	0.773875	1.065156	1.085094	21044.48
9518.561	0.773247	1.065562	1.084653	21100.5
9519.981	0.772619	1.065968	1.084212	21156.51
9521.4	0.771991	1.066374	1.083771	21212.53
9522.82	0.771364	1.06678	1.08333	21268.55
9524.24	0.770736	1.067186	1.082889	21324.57
9525.66	0.770108	1.067592	1.082448	21380.59
9527.08	0.76948	1.067997	1.082007	21436.61
9528.5	0.768853	1.068403	1.081566	21492.63
9529.92	0.768225	1.068809	1.081125	21548.65
9531.34	0.767597	1.069215	1.080684	21604.67
9532.76	0.766969	1.069621	1.080243	21660.69
9534.18	0.766342	1.070027	1.079802	21716.71
9535.6	0.765714	1.070433	1.079361	21772.73

9537.02	0.765086	1.070838	1.07892	21828.75
9538.44	0.764459	1.071244	1.078479	21884.76
9539.86	0.763831	1.07165	1.078038	21940.78
9541.28	0.763203	1.072056	1.077597	21996.8
9542.7	0.762575	1.072462	1.077156	22052.82
9544.12	0.761948	1.072868	1.076715	22108.84
9545.54	0.76132	1.073274	1.076274	22164.86
9546.96	0.760692	1.073679	1.075833	22220.88
9548.38	0.760064	1.074085	1.075392	22276.9
9549.8	0.759437	1.074491	1.074951	22332.92
9551.22	0.758809	1.074897	1.07451	22388.94
9552.639	0.758181	1.075303	1.074069	22444.96
9554.058	0.757553	1.075709	1.073628	22500.98
9555.477	0.756926	1.076115	1.073187	22557
9556.896	0.756298	1.07652	1.072746	22613.01
9558.315	0.75567	1.076926	1.072305	22669.03
9559.734	0.755042	1.077332	1.071864	22725.05
9561.153	0.754415	1.077738	1.071423	22781.07
9562.568	0.753787	1.078144	1.070982	22837.09
9563.983	0.753159	1.07855	1.070541	22893.11
9565.398	0.760485	1.09625	1.066629	23410.88
9566.813	0.768667	1.115921	1.066066	23327.88
9568.228	0.771883	1.095658	1.068424	23959.32
9569.643	0.778571	1.095583	1.067289	24842.48
9571.056	0.779832	1.109377	1.064954	24565.4
9572.464	0.778536	1.089817	1.068905	23849.68
9573.872	0.779632	1.071819	1.076285	22946.32
9575.279	0.780846	1.071742	1.093268	20287.88
9576.687	0.777775	1.080078	1.106576	17989.84
9578.095	0.779701	1.117725	1.104377	17882.08
9579.503	0.782917	1.124359	1.099572	18391.6
9580.906	0.786605	1.086861	1.097307	19293.52
9582.306	0.792756	1.071694	1.100152	19425.4
9583.706	0.795274	1.071484	1.102651	19275.48
9585.107	0.798821	1.08045	1.105026	18960.76
9586.507	0.796684	1.078371	1.099905	19706.16
9587.907	0.799321	1.067099	1.098248	19802.4
9589.307	0.805669	1.070372	1.108732	18336.4
9590.705	0.805909	1.076192	1.119813	17190.8
9592.103	0.804221	1.079935	1.125032	16141.04
9593.501	0.802207	1.076194	1.123632	16356.28
9594.899	0.803001	1.06972	1.123618	16794.56
9596.297	0.805577	1.07039	1.125714	16428.84
9597.695	0.801822	1.065855	1.12028	17252.76

9599.094	0.796557	1.057614	1.123411	17117.52
9600.496	0.795486	1.051501	1.113588	18427.2
9601.898	0.798038	1.052089	1.097761	20525.8
9603.3	0.800368	1.055771	1.098641	20475.1
9604.702	0.79974	1.056812	1.098945	20409.92
9606.104	0.799112	1.057853	1.09925	20344.73
9607.506	0.798483	1.058894	1.099554	20279.55
9608.913	0.797855	1.059935	1.099859	20214.36
9610.323	0.797226	1.060975	1.100163	20149.18
9611.733	0.796598	1.062016	1.100468	20083.99
9613.143	0.79597	1.063057	1.100772	20018.81
9614.553	0.795341	1.064098	1.101077	19953.62
9615.963	0.794713	1.065139	1.101381	19888.44
9617.373	0.794085	1.066179	1.101685	19823.25
9618.789	0.793456	1.06722	1.10199	19758.07
9620.206	0.792828	1.068261	1.102294	19692.88
9621.623	0.792199	1.069302	1.102599	19627.7
9623.04	0.791571	1.070343	1.102903	19562.51
9624.457	0.790943	1.071383	1.103208	19497.33
9625.873	0.790314	1.072424	1.103512	19432.14
9627.292	0.789686	1.073465	1.103817	19366.96
9628.714	0.789058	1.074506	1.104121	19301.77
9630.136	0.788429	1.075547	1.104426	19236.59
9631.558	0.787801	1.076587	1.10473	19171.4
9632.98	0.787172	1.077628	1.105034	19106.21
9634.402	0.786544	1.078669	1.105339	19041.03
9635.824	0.785916	1.07971	1.105643	18975.84
9637.248	0.785287	1.080751	1.105948	18910.66
9638.672	0.784659	1.081791	1.106252	18845.47
9640.097	0.78403	1.082832	1.106557	18780.29
9641.521	0.783402	1.083873	1.106861	18715.1
9642.945	0.782774	1.084914	1.107166	18649.92
9644.369	0.782145	1.085955	1.10747	18584.73
9645.794	0.781517	1.086996	1.107775	18519.55
9647.215	0.780889	1.088036	1.108079	18454.36
9648.635	0.78026	1.089077	1.108383	18389.18
9650.056	0.779632	1.090118	1.108688	18323.99
9651.477	0.779003	1.091159	1.108992	18258.81
9652.898	0.778375	1.0922	1.109297	18193.62
9654.319	0.777747	1.09324	1.109601	18128.44
9655.736	0.777118	1.094281	1.109906	18063.25
9657.148	0.77649	1.095322	1.11021	17998.07
9658.559	0.775861	1.096363	1.110515	17932.88
9659.971	0.775233	1.097404	1.110819	17867.7

9661.382	0.774605	1.098444	1.111124	17802.51
9662.793	0.773976	1.099485	1.111428	17737.33
9664.205	0.773348	1.100526	1.111732	17672.14
9665.608	0.77272	1.101567	1.112037	17606.96
9667.008	0.772091	1.102608	1.112341	17541.77
9668.408	0.771463	1.103648	1.112646	17476.59
9669.808	0.770834	1.104689	1.11295	17411.4
9671.208	0.770206	1.10573	1.113255	17346.21
9672.608	0.769578	1.106771	1.113559	17281.03
9674.008	0.768949	1.107812	1.113864	17215.84
9675.405	0.768321	1.108852	1.114168	17150.66
9676.802	0.767693	1.109893	1.114473	17085.47
9678.199	0.767064	1.110934	1.114777	17020.29
9679.596	0.769869	1.091224	1.105974	18737.24
9680.993	0.774082	1.064807	1.097644	20716.56
9682.39	0.766698	1.065141	1.114712	18773.8
9683.79	0.747084	1.082463	1.158657	13657.16
9685.193	0.746245	1.10286	1.190504	10323.2
9686.596	0.766068	1.105015	1.175165	11362.12
9687.999	0.779571	1.098408	1.143092	14357.68
9689.403	0.789925	1.093038	1.122926	17022.96
9690.806	0.797702	1.072769	1.102513	20432.28
9692.209	0.797666	1.073217	1.088176	22621.68
9693.622	0.802866	1.100085	1.09934	20518.16
9695.037	0.809583	1.113466	1.11857	17539.32
9696.452	0.809638	1.116865	1.12686	16503.48
9697.867	0.809973	1.129923	1.127664	16225.92
9699.282	0.810231	1.128538	1.122201	16835.6
9700.697	0.806977	1.117677	1.113153	17982.72
9702.113	0.807566	1.124308	1.114324	17528.16
9703.535	0.805614	1.129231	1.11431	17693.08
9704.958	0.80811	1.138658	1.114895	17507.68
9706.381	0.812457	1.149011	1.120709	16358.4
9707.804	0.810411	1.144755	1.119939	16681.08
9709.227	0.807478	1.137733	1.116481	17381.2
9710.65	0.794923	1.142451	1.118635	16968.76
9712.073	0.785378	1.169236	1.127692	15468.04
9713.499	0.78307	1.202107	1.123484	15663.88
9714.924	0.783345	1.224734	1.108834	16783.16
9716.349	0.781064	1.217896	1.110862	16552
9717.774	0.766937	1.189762	1.147185	13558.16
9719.2	0.768895	1.155416	1.157284	12830.6
9720.625	0.781495	1.12617	1.11798	17506.76
9722.049	0.784112	1.137288	1.097171	19764.8

9723.474	0.786474	1.156815	1.0913	20055.56
9724.898	0.788987	1.149679	1.086498	20928.56
9726.322	0.786578	1.154606	1.088815	20586
9727.746	0.780377	1.152219	1.090495	20288.84
9729.171	0.777984	1.141657	1.092628	20264.48
9730.595	0.773234	1.170795	1.09452	19267.88
9732.02	0.774007	1.195679	1.090108	19219.6
9733.444	0.780547	1.194634	1.08421	19956.04
9734.869	0.783574	1.184469	1.094721	18767.8
9736.293	0.768893	1.158597	1.113826	17118.72
9737.718	0.762511	1.136566	1.130662	15677.24
9739.142	0.76859	1.124986	1.149303	13927.16
9740.568	0.769752	1.118421	1.158513	13005.8
9741.995	0.780601	1.109099	1.146474	13949.16
9743.421	0.789735	1.100142	1.122909	16563.48
9744.848	0.791416	1.082847	1.093309	21068.16
9746.275	0.791075	1.063001	1.072725	24907.32
9747.702	0.792201	1.073729	1.076753	24598
9749.128	0.791975	1.105195	1.085242	22600.8
9750.557	0.79036	1.132982	1.086589	21833.88
9751.987	0.787704	1.134926	1.079477	23219.8
9753.417	0.787842	1.114832	1.077766	23957.8
9754.847	0.795318	1.115196	1.090241	21601.88
9756.276	0.79788	1.135345	1.087576	21184.16
9757.706	0.794132	1.14868	1.079392	22050.92
9759.136	0.78945	1.139134	1.082769	21802.12
9760.567	0.785118	1.118068	1.091445	20962.68
9761.997	0.787784	1.090999	1.084495	22433.32
9763.428	0.790666	1.083997	1.07549	23741.2
9764.859	0.793991	1.108033	1.088304	21318.28
9766.29	0.793179	1.111415	1.091736	20764.4
9767.72	0.787859	1.101207	1.082915	22303.28
9769.151	0.784445	1.08964	1.079655	23047.64
9770.58	0.784316	1.120756	1.081748	22160.8
9772.01	0.783115	1.139681	1.082151	21943.72
9773.44	0.77641	1.110553	1.080386	22673.08
9774.869	0.774989	1.128732	1.087697	20741.72
9776.299	0.780337	1.151473	1.086326	20475.76
9777.728	0.784628	1.13809	1.082152	21593.8
9779.155	0.787545	1.111287	1.082317	22256.8
9780.581	0.793016	1.114419	1.079865	23019.32
9782.007	0.792148	1.145725	1.079551	22718.28
9783.433	0.784741	1.129422	1.077099	23400.88
9784.859	0.776055	1.115768	1.083951	22438.68

9786.285	0.781327	1.152755	1.090594	20223.92
9787.71	0.783793	1.165092	1.084924	20691.32
9789.13	0.769029	1.159112	1.090771	20203.4
9790.55	0.755989	1.167603	1.115945	17008
9791.969	0.744312	1.159119	1.138007	14781.8
9793.389	0.745916	1.135278	1.138439	15206.08
9794.809	0.764742	1.125765	1.124749	16583.48
9796.228	0.774122	1.119571	1.106165	18727.68
9797.643	0.773413	1.109531	1.091542	20591.28
9799.053	0.777424	1.116277	1.083765	21731.68
9800.464	0.772938	1.138413	1.085802	21589.2
9801.874	0.778387	1.172445	1.111398	17588.32
9803.284	0.786837	1.169254	1.100741	18568.96
9804.695	0.779605	1.140986	1.085667	20880.04
9806.105	0.774266	1.127577	1.10702	18685.16
9807.507	0.772089	1.115356	1.117828	17395.32
9808.908	0.777198	1.109597	1.117429	17487.6
9810.309	0.77377	1.1014	1.104002	19612.96
9811.71	0.771299	1.08191	1.105468	19458.16
9813.11	0.773437	1.062754	1.118232	17794.72
9814.511	0.772213	1.060842	1.11901	17742.6
9815.911	0.767043	1.073312	1.126828	16705
9817.309	0.756618	1.089254	1.154639	13700.88
9818.706	0.75391	1.087973	1.17135	11881.6
9820.104	0.76528	1.095468	1.167401	12172.28
9821.502	0.773239	1.120083	1.155345	13302.88
9822.899	0.775616	1.139114	1.147701	13870.68
9824.297	0.775827	1.149711	1.159925	12654.72
9825.696	0.774968	1.143119	1.165689	12160.96
9827.098	0.785	1.142082	1.154826	12948.48
9828.499	0.788585	1.158151	1.149498	13062.16
9829.901	0.800535	1.165667	1.143889	13431.2
9831.302	0.802987	1.141063	1.135807	14679.16
9832.704	0.783951	1.105607	1.149666	13829.64
9834.105	0.792234	1.077937	1.157075	13298.6
9835.514	0.805304	1.086856	1.141921	14802.68
9836.923	0.798011	1.100705	1.12327	16630.32
9838.332	0.79261	1.092298	1.109546	18212.4
9839.741	0.793685	1.104902	1.113257	17256.4
9841.15	0.787994	1.095158	1.124149	15608.96
9842.56	0.772662	1.071068	1.135059	14844.72
9843.97	0.772187	1.075024	1.151416	13549.56
9845.382	0.776833	1.061289	1.15342	13613.88
9846.794	0.782619	1.022595	1.125734	17182.92

9848.206	0.790444	0.996315	1.098242	20865.44
9849.618	0.79116	1.043303	1.107131	18908.08
9851.03	0.790455	1.086156	1.115426	16956.52
9852.442	0.794435	1.071543	1.115626	16903.32
9853.852	0.801087	1.066802	1.121273	16682.84
9855.261	0.804343	1.071022	1.119656	17498.56
9856.67	0.804819	1.081718	1.121546	17254.56
9858.079	0.805252	1.090202	1.1261	16551.76
9859.488	0.809355	1.125924	1.13194	15728.52
9860.897	0.809108	1.121765	1.132961	15710.88
9862.306	0.799768	1.093236	1.126842	16736.8
9863.709	0.797064	1.0801	1.135469	15986.28
9865.112	0.798443	1.050256	1.138686	15848.36
9866.516	0.795807	1.043533	1.124713	17568.16
9867.919	0.79693	1.038818	1.11212	19361.76
9869.322	0.799756	1.01963	1.104422	20648.8
9870.725	0.80231	1.00667	1.099586	21587.28
9872.128	0.802829	1.000789	1.087941	23798.12
9873.531	0.802381	1.010784	1.076789	25251.08
9874.934	0.804217	1.019821	1.073887	25257.52
9876.337	0.803846	1.034744	1.073687	25050.68
9877.74	0.80145	1.047654	1.070989	25468.12
9879.143	0.801136	1.03959	1.066846	26282.64
9880.546	0.803105	1.024519	1.064435	26865.92
9881.954	0.798662	1.012442	1.0646	26902.64
9883.364	0.790432	1.015959	1.067679	26314.8
9884.774	0.788704	1.025982	1.072703	25312.28
9886.185	0.787278	1.030794	1.077542	24058.32
9887.595	0.787429	1.047162	1.079073	23339.84
9889.005	0.793165	1.079689	1.080619	22675.04
9890.415	0.781309	1.084332	1.076519	23440.96
9891.834	0.766585	1.093395	1.087435	21602.96
9893.252	0.770337	1.126263	1.112749	17417.8
9894.671	0.768944	1.145011	1.12148	16218.28
9896.09	0.75218	1.127855	1.131517	15436.56
9897.508	0.742086	1.117869	1.159999	12908.52
9898.927	0.754255	1.106707	1.190789	10374
9900.344	0.767988	1.068333	1.196026	10121.92
9901.757	0.791928	1.061123	1.166966	12715.24
9903.171	0.801792	1.060357	1.111449	19576.04
9904.584	0.788657	1.03946	1.078194	24518.4
9905.998	0.772119	1.03762	1.092984	21972.08
9907.411	0.760457	1.070406	1.142362	15447.6
9908.825	0.76551	1.102025	1.18979	10609.76

9910.225	0.772174	1.117754	1.202752	9545.16
9911.617	0.774056	1.138348	1.186578	10688
9913.01	0.777799	1.141387	1.173122	11607.56
9914.402	0.79162	1.122307	1.160707	12620.68
9915.794	0.801931	1.120309	1.136867	14941.8
9917.187	0.813312	1.129607	1.133018	15249.44
9918.579	0.819708	1.098537	1.119069	17795.28
9919.944	0.813067	1.05966	1.091399	22483.04
9921.309	0.812692	1.054537	1.082968	23699.36
9922.673	0.814126	1.071689	1.081187	23489.4
9924.038	0.808073	1.0933	1.075204	24099.56
9925.402	0.798373	1.123495	1.066732	25165.24
9926.767	0.794207	1.254232	1.081513	19044.84
9928.127	0.801784	1.312743	1.105227	14213.36
9929.48	0.806012	1.165651	1.10259	18544.4
9930.833	0.801345	1.032682	1.083752	23626.48
9932.186	0.800389	1.017195	1.074851	25461.44
9933.539	0.803039	1.045336	1.084963	23341.6
9934.892	0.798755	1.073431	1.101784	20045.24
9936.245	0.791471	1.091412	1.127169	16467.32
9937.603	0.793973	1.062938	1.134013	15838.4
9938.964	0.796816	1.046022	1.118557	17880.88
9940.325	0.807717	1.089779	1.15094	14273.52
9941.686	0.810692	1.100943	1.168036	12221.4
9943.048	0.802945	1.069831	1.148654	14289.76
9944.409	0.800552	1.047557	1.132718	16409.2
9945.77	0.806442	1.047944	1.116443	18205.28
9947.151	0.810303	1.063435	1.120219	17196.76
9948.531	0.81028	1.077504	1.146691	14039
9949.912	0.82396	1.090894	1.177829	11088.2
9951.293	0.827861	1.096952	1.192327	10043.72
9952.674	0.826855	1.107087	1.190297	10145.28
9954.055	0.832025	1.111389	1.185455	10333.64
9955.439	0.825276	1.083691	1.155066	13419.48
9956.829	0.811628	1.066254	1.119792	17334.8
9958.219	0.806249	1.052682	1.101959	19985.76
9959.609	0.803844	1.026384	1.093661	21092.28
9960.999	0.80357	1.032324	1.102474	19606.76
9962.389	0.807532	1.043238	1.115877	17621.72
9963.779	0.807948	1.046359	1.115862	17890.68
9965.167	0.810644	1.053692	1.111234	18653.68
9966.552	0.808295	1.051565	1.111761	18552.44
9967.938	0.806526	1.057142	1.111632	18702.44
9969.323	0.80597	1.053325	1.098464	20545.32

9970.709	0.803914	1.024007	1.081192	23238.84
9972.095	0.801841	1.00818	1.078702	23903.56
9973.48	0.801948	1.012631	1.083229	23104.04
9974.852	0.803714	1.011911	1.078099	24107.28
9976.224	0.800521	1.001568	1.067075	26728.12
9977.596	0.800346	1.00261	1.075277	25291.64
9978.968	0.801516	1.008003	1.083762	23368.92
9980.341	0.800142	1.001965	1.077052	24586.12
9981.713	0.802203	0.991223	1.082181	23740.84
9983.081	0.807265	0.991663	1.0871	22725.84
9984.443	0.810788	0.999878	1.086271	22941.36
9985.805	0.8095	0.997718	1.078368	24654.36
9987.167	0.805744	1.001625	1.072898	25420.8
9988.529	0.805485	1.021148	1.076321	23822.24
9989.891	0.806314	1.029413	1.074068	24045.88
9991.253	0.804168	1.022786	1.069636	25065.32
9992.612	0.798515	1.022559	1.069646	24794.48
9993.97	0.800507	1.010007	1.063353	26968.68
9995.327	0.803923	0.991532	1.054533	29674.68
9996.685	0.801729	0.992377	1.057466	28681.44
9998.042	0.801173	1.003451	1.062746	26516.6
9999.399	0.798396	1.014446	1.06739	24953.8
10000.76	0.800434	1.0234	1.069804	25157.16
10002.12	0.804627	1.027521	1.069305	25900.07
10003.47	0.804399	1.02716	1.069102	25936.75
10004.83	0.80417	1.026799	1.068898	25973.44
10006.19	0.803942	1.026439	1.068695	26010.12
10007.55	0.803713	1.026078	1.068492	26046.8
10008.91	0.803485	1.025718	1.068288	26083.48
10010.27	0.803257	1.025357	1.068085	26120.16
10011.63	0.803028	1.024997	1.067882	26156.84
10013	0.8028	1.024636	1.067678	26193.52
10014.36	0.802571	1.024276	1.067475	26230.2
10015.72	0.802343	1.023915	1.067272	26266.88
10017.09	0.802114	1.023554	1.067068	26303.56
10018.45	0.801886	1.023194	1.066865	26340.24
10019.83	0.801658	1.022833	1.066661	26376.92
10021.2	0.801429	1.022473	1.066458	26413.6
10022.58	0.801201	1.022112	1.066255	26450.28
10023.95	0.800972	1.021752	1.066051	26486.96
10025.33	0.800744	1.021391	1.065848	26523.64
10026.71	0.800515	1.02103	1.065645	26560.32
10028.08	0.800287	1.02067	1.065441	26597
10029.47	0.800059	1.020309	1.065238	26633.69

10030.86	0.79983	1.019949	1.065035	26670.37
10032.25	0.799602	1.019588	1.064831	26707.05
10033.64	0.799373	1.019228	1.064628	26743.73
10035.03	0.799145	1.018867	1.064425	26780.41
10036.42	0.798917	1.018507	1.064221	26817.09
10037.81	0.798688	1.018146	1.064018	26853.77
10039.21	0.79846	1.017785	1.063815	26890.45
10040.61	0.798231	1.017425	1.063611	26927.13
10042.01	0.798003	1.017064	1.063408	26963.81
10043.41	0.797774	1.016704	1.063204	27000.49
10044.8	0.797546	1.016343	1.063001	27037.17
10046.2	0.797318	1.015983	1.062798	27073.85
10047.6	0.797089	1.015622	1.062594	27110.53
10049	0.796861	1.015262	1.062391	27147.21
10050.4	0.796632	1.014901	1.062188	27183.89
10051.8	0.796404	1.01454	1.061984	27220.57
10053.2	0.796176	1.01418	1.061781	27257.25
10054.6	0.795947	1.013819	1.061578	27293.94
10056	0.795719	1.013459	1.061374	27330.62
10057.39	0.79549	1.013098	1.061171	27367.3
10058.79	0.795262	1.012738	1.060968	27403.98
10060.19	0.795033	1.012377	1.060764	27440.66
10061.58	0.794805	1.012017	1.060561	27477.34
10062.98	0.794577	1.011656	1.060357	27514.02
10064.38	0.794348	1.011295	1.060154	27550.7
10065.77	0.79412	1.010935	1.059951	27587.38
10067.17	0.793891	1.010574	1.059747	27624.06
10068.56	0.793663	1.010214	1.059544	27660.74
10069.95	0.793435	1.009853	1.059341	27697.42
10071.35	0.793206	1.009493	1.059137	27734.1
10072.74	0.792978	1.009132	1.058934	27770.78
10074.14	0.792749	1.008771	1.058731	27807.46
10075.53	0.792521	1.008411	1.058527	27844.14
10076.92	0.792292	1.00805	1.058324	27880.82
10078.32	0.792064	1.00769	1.058121	27917.5
10079.71	0.791836	1.007329	1.057917	27954.19
10081.11	0.791607	1.006969	1.057714	27990.87
10082.5	0.791379	1.006608	1.057511	28027.55
10083.89	0.79115	1.006248	1.057307	28064.23
10085.29	0.790922	1.005887	1.057104	28100.91
10086.68	0.790694	1.005526	1.0569	28137.59
10088.08	0.790465	1.005166	1.056697	28174.27
10089.47	0.790237	1.004805	1.056494	28210.95
10090.87	0.790008	1.004445	1.05629	28247.63

10092.26	0.78978	1.004084	1.056087	28284.31
10093.66	0.789551	1.003724	1.055884	28320.99
10095.05	0.789323	1.003363	1.05568	28357.67
10096.45	0.789095	1.003003	1.055477	28394.35
10097.84	0.788866	1.002642	1.055274	28431.03
10099.24	0.788638	1.002281	1.05507	28467.71
10100.64	0.788409	1.001921	1.054867	28504.39
10102.03	0.790449	1.003453	1.057528	27803.88
10103.43	0.793307	1.015018	1.066267	26128.56
10104.82	0.800662	1.039078	1.099876	20550.92
10106.22	0.811941	1.062343	1.12549	16175.04
10107.61	0.814576	1.077376	1.132172	15279.24
10109	0.812971	1.074686	1.109938	18423.28
10110.4	0.81108	1.086595	1.081579	22397.6
10111.79	0.812294	1.113118	1.08096	22047.04
10113.19	0.816849	1.127616	1.12426	16473
10114.58	0.825638	1.140589	1.177388	10904.76
10115.98	0.837774	1.162412	1.193605	9687.4
10117.37	0.835351	1.192026	1.180648	10630.04
10118.77	0.817366	1.200081	1.159073	12101.6
10120.16	0.806837	1.184864	1.145024	13376.52
10121.56	0.804944	1.180539	1.153023	12639.4
10122.96	0.800043	1.168285	1.158726	11755.88
10124.36	0.793882	1.12934	1.145526	13324.2
10125.76	0.790074	1.113325	1.144179	14094.44
10127.16	0.796253	1.101999	1.136172	15474.12
10128.56	0.806186	1.093914	1.112847	18184.16
10129.96	0.813935	1.109671	1.099062	19497.16
10131.36	0.808989	1.12463	1.115552	17405.76
10132.77	0.788087	1.113464	1.135636	15238.88
10134.18	0.783292	1.117112	1.139075	15140.44
10135.59	0.792361	1.141166	1.12419	16941.92
10137	0.801297	1.198592	1.100039	18414.48
10138.4	0.802507	1.290612	1.098075	16053.72
10139.81	0.799928	1.197562	1.086869	20311.52
10141.23	0.803829	1.038749	1.067904	26689.92
10142.65	0.806851	1.009763	1.067922	26767.76
10144.07	0.809181	1.022353	1.072065	25655.12
10145.49	0.811013	1.025228	1.07062	25578.36
10146.91	0.812388	1.015845	1.067613	26237.16
10148.33	0.815862	1.017051	1.078325	24307.52
10149.76	0.82015	1.030292	1.09826	20831.72
10151.18	0.814108	1.027341	1.097776	20864.88
10152.61	0.809854	1.017408	1.089849	22006.44

10154.04	0.814814	1.033211	1.095213	21032.92
10155.47	0.817894	1.049899	1.098022	20389.6
10156.89	0.819033	1.062324	1.095225	20772.8
10158.32	0.8189	1.062153	1.090517	21656.16
10159.75	0.816389	1.041478	1.085617	23002.32
10161.18	0.811153	1.027671	1.076861	24777.36
10162.61	0.810225	1.033702	1.074986	24724.64
10164.04	0.810442	1.058835	1.089748	21966.84
10165.47	0.80055	1.079197	1.109858	18897.16
10166.9	0.797478	1.063447	1.106768	19452.12
10168.33	0.803719	1.045796	1.098961	20492.28
10169.76	0.805291	1.049427	1.098734	20715.92
10171.19	0.807079	1.055293	1.090282	22092.44
10172.61	0.812789	1.1671	1.100298	18657.8
10174.04	0.811511	1.423163	1.140689	9731.52
10175.47	0.794765	1.417664	1.15375	8964.52
10176.9	0.791638	1.164227	1.131232	15374.52
10178.32	0.808595	1.044176	1.119121	17977.48
10179.75	0.810546	1.021406	1.09438	22130.68
10181.17	0.80841	1.037342	1.068676	27288.6
10182.6	0.813503	1.050635	1.064119	28653.16
10184.02	0.811497	1.019112	1.053096	30976.28
10185.45	0.80308	0.99496	1.049598	31571.92
10186.87	0.79619	0.991148	1.055634	29928.36
10188.3	0.794656	0.992007	1.061066	28468.8
10189.72	0.788891	0.986534	1.057275	29703.52
10191.14	0.787021	0.985787	1.049925	31722.68
10192.56	0.790151	1.00085	1.049657	30866.88
10193.98	0.7976	1.035129	1.090805	23015.08
10195.4	0.806104	1.065144	1.114607	18301.28
10196.82	0.807656	1.091204	1.089688	21711.64
10198.24	0.802806	1.196493	1.085153	19918.68
10199.65	0.796843	1.206549	1.087226	19434.48
10201.07	0.800894	1.130124	1.093492	20487.56
10202.49	0.806296	1.116732	1.097998	20018.56
10203.91	0.80512	1.10268	1.088939	21662.84
10205.32	0.800949	1.079868	1.077092	24048.28
10206.74	0.797196	1.063336	1.075403	24681.48
10208.17	0.79643	1.038485	1.077246	24796.76
10209.59	0.796888	1.025666	1.074012	25480.92
10211.01	0.794325	1.041692	1.070816	26026.4
10212.44	0.792763	1.078814	1.074552	24854.28
10213.86	0.796206	1.092777	1.080145	23470.92
10215.28	0.79755	1.048566	1.082605	23471.2

10216.72	0.795749	1.015079	1.076553	24781.64
10218.16	0.791349	1.020593	1.070802	25937.2
10219.59	0.791464	1.024255	1.075481	25186.28
10221.03	0.79589	1.015922	1.085406	23195
10222.47	0.798202	1.037579	1.096121	20879.04
10223.91	0.797604	1.026865	1.084955	23297.68
10225.35	0.793256	0.982488	1.058361	29540.16
10226.8	0.791262	0.973364	1.050144	31367.6
10228.25	0.792787	0.981358	1.051126	30806.48
10229.7	0.791992	1.004394	1.05413	29926.6
10231.15	0.791923	1.019694	1.059831	28414.84
10232.6	0.798145	1.047506	1.068657	26020.2
10234.05	0.797446	1.051804	1.072793	24664.88
10235.49	0.795447	1.02331	1.06573	26820.32
10236.92	0.797077	1.023289	1.059363	28251.96
10238.35	0.784848	1.181617	1.069501	21789.88
10239.78	0.77649	1.418091	1.124485	10905.48
10241.21	0.780147	1.400137	1.12522	11497.12
10242.64	0.784962	1.173499	1.066618	23892.4
10244.07	0.789387	1.016258	1.038001	33323.92
10245.44	0.793349	0.992763	1.045013	31617
10246.81	0.800695	1.024432	1.082333	23438.88
10248.17	0.814291	1.068239	1.127838	16158.08
10249.54	0.830103	1.104762	1.158769	12630.16
10250.91	0.832129	1.119919	1.151514	13544.44
10252.27	0.824168	1.10822	1.129454	15862.32
10253.61	0.812801	1.087033	1.119575	17256.4
10254.9	0.807155	1.079852	1.121248	17147.64
10256.18	0.805585	1.072818	1.125653	16369
10257.46	0.806011	1.068084	1.126512	16274.84
10258.74	0.818335	1.072049	1.125548	16336.24
10260.03	0.816208	1.071792	1.109499	18661.68
10261.31	0.811742	1.079717	1.097766	20445.32
10262.56	0.80979	1.087759	1.095696	20544.4
10263.79	0.80449	1.097996	1.087522	21936.96
10265.02	0.80905	1.103307	1.076233	23901.52
10266.25	0.805436	1.081653	1.059477	27380.92
10267.49	0.796149	1.061519	1.053209	29048.64
10268.72	0.794854	1.065924	1.069363	25728.24
10269.95	0.801812	1.095516	1.098295	20413.28
10271.18	0.808421	1.111611	1.10753	18729.16
10272.4	0.807371	1.10821	1.092371	20810.04
10273.63	0.806522	1.107184	1.087477	21733.16
10274.85	0.803699	1.119279	1.101895	19597.52

10276.08	0.806796	1.152008	1.11663	16890.16
10277.31	0.81191	1.179442	1.109984	17159.96
10278.54	0.812105	1.205109	1.102256	17471.36
10279.79	0.812348	1.305523	1.116415	13601.64
10281.04	0.815599	1.468338	1.143605	7938.08
10282.29	0.819401	1.54296	1.157778	5597.105
10283.54	0.819458	1.534868	1.156465	5914.614
10284.79	0.819515	1.526777	1.155151	6232.123
10286.04	0.819572	1.518685	1.153837	6549.632
10287.3	0.819629	1.510594	1.152523	6867.141
10288.56	0.819686	1.502502	1.15121	7184.65
10289.82	0.819743	1.494411	1.149896	7502.159
10291.08	0.8198	1.486319	1.148582	7819.668
10292.34	0.819857	1.478228	1.147268	8137.177
10293.61	0.819914	1.470136	1.145955	8454.687
10294.87	0.819971	1.462045	1.144641	8772.196
10296.12	0.820028	1.453953	1.143327	9089.705
10297.38	0.820085	1.445862	1.142013	9407.214
10298.63	0.820142	1.43777	1.1407	9724.723
10299.89	0.820199	1.429679	1.139386	10042.23
10301.14	0.820256	1.421587	1.138072	10359.74
10302.39	0.820313	1.413496	1.136758	10677.25
10303.64	0.82037	1.405404	1.135445	10994.76
10304.88	0.820427	1.397313	1.134131	11312.27
10306.12	0.820484	1.389221	1.132817	11629.78
10307.35	0.820541	1.38113	1.131503	11947.29
10308.59	0.820598	1.373038	1.13019	12264.8
10309.82	0.820655	1.364946	1.128876	12582.3
10311.06	0.820712	1.356855	1.127562	12899.81
10312.3	0.820769	1.348763	1.126248	13217.32
10313.53	0.820826	1.340672	1.124935	13534.83
10314.76	0.820883	1.33258	1.123621	13852.34
10316	0.82094	1.324489	1.122307	14169.85
10317.23	0.820997	1.316397	1.120994	14487.36
10318.46	0.821054	1.308306	1.11968	14804.87
10319.7	0.821111	1.300214	1.118366	15122.38
10320.95	0.821168	1.292123	1.117052	15439.89
10322.2	0.821225	1.284031	1.115739	15757.4
10323.45	0.821282	1.27594	1.114425	16074.9
10324.71	0.821339	1.267848	1.113111	16392.41
10325.96	0.821396	1.259757	1.111797	16709.92
10327.21	0.821453	1.251665	1.110484	17027.43
10328.47	0.82151	1.243574	1.10917	17344.94
10329.74	0.821567	1.235482	1.107856	17662.45

10331.02	0.821624	1.227391	1.106542	17979.96
10332.29	0.821681	1.219299	1.105229	18297.47
10333.56	0.821738	1.211208	1.103915	18614.98
10334.84	0.821795	1.203116	1.102601	18932.49
10336.11	0.821852	1.195025	1.101287	19250
10337.37	0.821909	1.186933	1.099974	19567.5
10338.63	0.821966	1.178842	1.09866	19885.01
10339.88	0.822023	1.17075	1.097346	20202.52
10341.13	0.82208	1.162658	1.096032	20520.03
10342.39	0.822136	1.154567	1.094719	20837.54
10343.64	0.822193	1.146475	1.093405	21155.05
10344.89	0.82225	1.138384	1.092091	21472.56
10346.07	0.822307	1.130292	1.090777	21790.07
10347.25	0.822364	1.122201	1.089464	22107.58
10348.43	0.822421	1.114109	1.08815	22425.09
10349.61	0.822478	1.106018	1.086836	22742.6
10350.79	0.809457	1.101468	1.092625	21766.08
10351.97	0.800046	1.123744	1.105939	19326.76
10353.11	0.803671	1.171408	1.123095	16196.2
10354.19	0.802365	1.264725	1.12394	13599.48
10355.27	0.793304	1.259397	1.112519	15050.68
10356.34	0.783819	1.177844	1.109676	17621.44
10357.42	0.784304	1.18995	1.116893	16607.44
10358.5	0.788912	1.223198	1.120025	15374.36
10359.57	0.794551	1.230408	1.126679	14644.88
10360.6	0.795447	1.214836	1.133179	14278.6
10361.61	0.79489	1.194051	1.128456	14884.36
10362.62	0.796697	1.160476	1.117523	16468.28
10363.63	0.802152	1.123247	1.113067	17493.68
10364.64	0.809483	1.087688	1.103587	19341.2
10365.65	0.810943	1.0614	1.085809	22122.36
10366.66	0.8034	1.037992	1.07425	24410.76
10367.65	0.799344	1.016927	1.067806	26311.2
10368.64	0.803995	1.029647	1.071966	25434.16
10369.63	0.807122	1.056124	1.090278	21607.6
10370.62	0.812596	1.079058	1.120247	16785.36
10371.61	0.813612	1.09086	1.133408	15108.36
10372.6	0.816419	1.101493	1.135749	15089.68
10373.6	0.823669	1.119777	1.131544	15453.12
10374.61	0.820622	1.142843	1.117474	16719.72
10375.61	0.81424	1.163658	1.100426	18316
10376.62	0.810564	1.182713	1.082858	20184.36
10377.63	0.810565	1.223454	1.075842	20138.68
10378.64	0.81524	1.272679	1.072319	18616.52

10379.64	0.823333	1.296052	1.074416	17198.52
10380.66	0.826601	1.278099	1.075613	17848.52
10381.68	0.817634	1.219679	1.065721	21551.64
10382.7	0.811169	1.17567	1.060221	24026.04
10383.72	0.811752	1.164106	1.065624	23524.56
10384.74	0.814047	1.151286	1.068981	23217.28
10385.76	0.812905	1.125448	1.064434	25069.24
10386.78	0.811349	1.100186	1.063631	25978.48
10387.8	0.810022	1.080098	1.067429	25471.84
10388.82	0.812064	1.060672	1.073118	24817.04
10389.84	0.814811	1.04826	1.077774	23890.32
10390.86	0.809577	1.037631	1.077896	23789.92
10391.88	0.805886	1.035316	1.081608	23211.36
10392.9	0.811505	1.042165	1.085999	22586.4
10393.91	0.817249	1.043513	1.079699	23918
10394.93	0.815679	1.033089	1.069722	25812.12
10395.94	0.815122	1.025655	1.064842	26804.16
10396.95	0.81376	1.017827	1.060894	27999.28
10397.96	0.812394	1.008974	1.056938	29004
10398.97	0.811336	1.017465	1.053659	29675.88
10399.98	0.810214	1.032257	1.053473	29614.76
10400.98	0.814972	1.041539	1.055215	28992.76
10401.97	0.812681	1.037031	1.056978	28560.72
10402.97	0.809921	1.034805	1.060553	27531.8
10403.96	0.813191	1.043259	1.061724	27041.64
10404.96	0.812353	1.05021	1.059787	26761.16
10405.95	0.811289	1.069527	1.059507	25040.28
10406.95	0.810116	1.076868	1.062421	22954.16
10407.92	0.803757	1.090773	1.061847	22208.52
10408.9	0.80263	1.151123	1.063429	20407.96
10409.87	0.810423	1.194861	1.067254	18368.56
10410.85	0.814367	1.22212	1.071074	16390.96
10411.82	0.809416	1.251408	1.078409	13943.4
10412.79	0.807702	1.271944	1.081426	12812.48
10413.76	0.818084	1.301502	1.07711	13404.36
10414.71	0.816644	1.337698	1.080256	12567.04
10415.67	0.80993	1.36863	1.089535	10617.08
10416.62	0.818939	1.380049	1.093308	10354.56
10417.58	0.823455	1.36645	1.095655	10727.16
10418.53	0.824256	1.343231	1.098796	11353.68
10419.48	0.82672	1.318491	1.099689	12489.16
10420.44	0.834029	1.307939	1.097909	13156.28
10421.39	0.846307	1.308206	1.090349	14079.08
10422.34	0.848485	1.319003	1.08012	14837.96

10423.3	0.844959	1.350678	1.082135	13905.28
10424.25	0.841859	1.327766	1.07914	15752.36
10425.2	0.835776	1.273795	1.064664	19468.24
10426.16	0.833157	1.269132	1.061923	19993.88
10427.14	0.835313	1.29722	1.072886	17737.8
10428.11	0.837012	1.334738	1.079972	15177.44
10429.08	0.837747	1.374061	1.083365	13075.56
10430.06	0.840002	1.404212	1.091216	11405.92
10431.03	0.842817	1.411288	1.094706	10968.36
10432.01	0.840541	1.400861	1.092815	11487.04
10433	0.83257	1.36444	1.086035	13439.16
10434.01	0.825531	1.2915	1.077523	17247.04
10435.02	0.818354	1.197065	1.070261	21815.04
10436.03	0.810573	1.111056	1.066489	24958
10437.04	0.803711	1.072694	1.068729	25465.72
10438.05	0.802763	1.073609	1.076329	24075.32
10439.06	0.797134	1.083022	1.081405	23209.16
10440.09	0.790781	1.096154	1.089099	21541.6
10441.12	0.793456	1.110763	1.101818	19219.28
10442.16	0.797202	1.129339	1.114222	17682.64
10443.19	0.795923	1.138731	1.118668	17143.4
10444.22	0.791251	1.155225	1.116957	16885.08
10445.25	0.791053	1.185525	1.120076	15936.84
10446.29	0.803073	1.201922	1.119677	15648.24
10447.32	0.816525	1.200329	1.113063	16274.2
10448.36	0.817748	1.213165	1.109655	16437.6
10449.39	0.819895	1.26485	1.110965	15125.52
10450.43	0.821529	1.291024	1.105799	15067.72
10451.46	0.823826	1.25742	1.102172	16720.48
10452.5	0.82355	1.241408	1.104265	16899.88
10453.53	0.814109	1.270317	1.106916	15453.76
10454.55	0.806721	1.248349	1.106095	16084.32
10455.58	0.804985	1.166531	1.10436	18087.56
10456.6	0.806926	1.139425	1.107021	18279.76
10457.63	0.807755	1.235798	1.122699	15029.52
10458.65	0.804966	1.344495	1.140489	11317.2
10459.68	0.801179	1.382187	1.138331	10331.76
10460.69	0.805612	1.379415	1.13989	10307.8
10461.71	0.811802	1.361184	1.142219	10753.8
10462.73	0.808152	1.332624	1.142548	11492.48
10463.75	0.808802	1.254201	1.155279	11938.08
10464.76	0.803629	1.197169	1.16029	12439.16
10465.78	0.800596	1.184593	1.156405	12865.28
10466.8	0.80648	1.215297	1.156693	12415.72

10467.82	0.801673	1.264465	1.153191	12067.28
10468.83	0.796344	1.277924	1.151078	11934.04
10469.85	0.797555	1.30376	1.148267	11435.48
10470.87	0.799417	1.360069	1.161532	9642.32
10471.88	0.809372	1.377197	1.183011	8407.04
10472.9	0.823228	1.364825	1.171764	9326.44
10473.92	0.830187	1.410703	1.168	8551.92
10474.94	0.830945	1.438332	1.17263	7664.68
10475.96	0.826184	1.428164	1.163838	8081.68
10476.99	0.823644	1.393351	1.151873	9435.92
10478.01	0.821794	1.299882	1.130705	13025.12
10479.03	0.817492	1.239403	1.120438	15052.28
10480.05	0.817741	1.266518	1.129804	13706.04
10481.08	0.823918	1.33881	1.148363	11009.64
10482.1	0.830878	1.333832	1.15181	10830.84
10483.13	0.825869	1.251671	1.140001	13129.32
10484.15	0.821948	1.216955	1.135075	14199.68
10485.18	0.827667	1.25289	1.143224	12929.56
10486.2	0.83214	1.291382	1.156255	11218.8
10487.23	0.834307	1.293221	1.165798	10558.28
10488.26	0.836073	1.306612	1.173017	9983.04
10489.29	0.83284	1.338054	1.176497	9310.4
10490.32	0.832386	1.355056	1.1847	8629
10491.34	0.841522	1.350798	1.195081	8233.08
10492.37	0.842783	1.354014	1.190884	8404.44
10493.4	0.834105	1.392381	1.182158	8184.68
10494.43	0.826955	1.363523	1.165633	9555.88
10495.46	0.819614	1.253305	1.144184	12867.64
10496.49	0.820649	1.137808	1.142594	14256.32
10497.51	0.824767	1.076516	1.146906	14339.84
10498.54	0.82258	1.078448	1.144819	14607.2
10499.57	0.818889	1.075733	1.132909	16003.6
10500.6	0.81669	1.073162	1.118155	17866.6
10501.63	0.812841	1.077842	1.112774	18541.12
10502.65	0.810908	1.066039	1.110655	19065.4
10503.68	0.812358	1.076247	1.108335	19420.48
10504.7	0.812508	1.161286	1.114531	17494.88
10505.73	0.814484	1.175119	1.113213	17329.64
10506.76	0.814609	1.086426	1.10628	19331.56
10507.78	0.813258	1.039095	1.10282	20352.8
10508.8	0.814079	1.031846	1.101252	20648.12
10509.82	0.813371	1.024435	1.098892	21103.32
10510.84	0.810911	1.018665	1.098223	21434.8
10511.86	0.811345	1.024901	1.107921	20162

10512.88	0.805988	1.0303	1.112887	18533.8
10513.9	0.803736	1.028347	1.114664	17395.96
10514.91	0.809667	1.027294	1.116135	17699.16
10515.93	0.810376	1.031759	1.113041	18599.28
10516.94	0.812954	1.044943	1.109511	19158.24
10517.95	0.815281	1.051605	1.101777	20591.04
10518.96	0.815453	1.034936	1.09425	21619.68
10519.97	0.815709	1.015554	1.089751	22237.72
10520.99	0.811768	1.011402	1.082703	23403.84
10521.99	0.807695	1.013398	1.080775	23774.8
10523	0.80778	1.015362	1.083938	23324.76
10524.01	0.805727	1.026482	1.087986	22639.64
10525.02	0.801899	1.037077	1.090191	22242.76
10526.03	0.799669	1.032266	1.087344	22626.56
10527.03	0.799793	1.027916	1.084451	23105.44
10528.04	0.801539	1.030803	1.082838	23519.4
10529.05	0.802865	1.037346	1.082913	23895.92
10530.06	0.804315	1.056037	1.086158	23331.72
10531.07	0.80004	1.07805	1.09187	21764
10532.08	0.797353	1.101075	1.099345	20073.68
10533.09	0.798037	1.084722	1.100378	20081.72
10534.1	0.798657	1.053778	1.100094	20470.48
10535.11	0.799032	1.052684	1.107304	19500.8
10536.13	0.799907	1.064397	1.113035	18557.92
10537.14	0.806781	1.061876	1.109705	18897.72
10538.16	0.811158	1.056793	1.107572	18977.2
10539.17	0.815124	1.063993	1.112765	18163
10540.19	0.817758	1.065415	1.117479	17542.6
10541.2	0.811313	1.06628	1.119112	17495.2
10542.22	0.807675	1.070404	1.119978	17440.36
10543.23	0.811364	1.078683	1.11911	17246.4
10544.25	0.814108	1.100033	1.12183	16578.56
10545.27	0.813709	1.111885	1.123823	16427
10546.28	0.809326	1.113145	1.124342	16456.64
10547.3	0.802819	1.117087	1.123905	16441.48
10548.31	0.803677	1.12301	1.120721	16971.56
10549.33	0.807009	1.152946	1.122007	16522.68
10550.34	0.806958	1.182025	1.125462	15642.16
10551.36	0.811746	1.195646	1.129458	14915.96
10552.37	0.817426	1.209727	1.132778	14357.28
10553.39	0.817159	1.21976	1.133934	14057.72
10554.4	0.809915	1.218994	1.141827	13375.6
10555.41	0.791892	1.209154	1.150628	12905.2
10556.41	0.783546	1.210791	1.159152	12068.72

10557.42	0.779903	1.2038	1.165891	11590.32
10558.43	0.753517	1.178125	1.173095	11504.84
10559.43	0.742155	1.16762	1.185415	10614.8
10560.44	0.747161	1.172074	1.189238	10359.8
10561.45	0.739895	1.175705	1.186084	10612.12
10562.43	0.735744	1.183287	1.185965	10492.88
10563.42	0.744497	1.190426	1.176624	11148.92
10564.41	0.755367	1.197764	1.167928	11705.84
10565.4	0.758172	1.218275	1.173885	11014.04
10566.39	0.749516	1.227744	1.182638	10339.96
10567.37	0.744555	1.218615	1.186812	10206.36
10568.35	0.750219	1.224292	1.189714	9995.64
10569.31	0.751249	1.25097	1.195625	9502.16
10570.27	0.744795	1.257515	1.192599	9619.56
10571.22	0.743259	1.257559	1.194145	9411.52
10572.18	0.745943	1.270023	1.196203	9224.16
10573.14	0.740254	1.279541	1.198751	9115.6
10574.09	0.736816	1.280541	1.20298	8959.2
10575.03	0.742845	1.286279	1.209714	8593.88
10575.95	0.742965	1.290652	1.217034	8162.36
10576.87	0.738711	1.289832	1.217202	8129.64
10577.8	0.735718	1.293286	1.214334	8221.56
10578.72	0.733635	1.279986	1.205392	8688.48
10579.64	0.743418	1.258413	1.19848	9236.44
10580.57	0.753302	1.252368	1.196693	9421
10581.48	0.759899	1.243701	1.194222	9599.64
10582.39	0.766935	1.222773	1.188795	10145.08
10583.31	0.76677	1.209695	1.184129	10649.24
10584.22	0.768574	1.212682	1.185383	10655.12
10585.14	0.766195	1.215314	1.190139	10354.24
10586.05	0.762379	1.200394	1.180574	11123.48
10586.98	0.763975	1.187379	1.172533	11746.08
10587.91	0.765369	1.194815	1.180806	10964.8
10588.85	0.765204	1.201784	1.188379	10250.96
10589.79	0.767951	1.189896	1.184226	10707.64
10590.73	0.771324	1.16467	1.17183	11868.28
10591.67	0.765222	1.145318	1.166129	12445.2
10592.61	0.762341	1.155601	1.17791	11365.32
10593.58	0.768473	1.18894	1.191607	10076.36
10594.56	0.767874	1.221073	1.184551	10495.96
10595.55	0.764927	1.247512	1.173949	10985.88
10596.53	0.771446	1.272529	1.170332	10876
10597.51	0.777407	1.288076	1.169047	10726.28
10598.5	0.784821	1.288076	1.172337	10447

10599.48	0.785686	1.281818	1.175938	10390.96
10600.5	0.778323	1.263401	1.179632	10480.16
10601.52	0.776584	1.246137	1.185164	10293.76
10602.54	0.766687	1.240411	1.180889	10566.6
10603.55	0.756692	1.232195	1.174267	10915.72
10604.57	0.759639	1.217369	1.172745	11150.56
10605.59	0.759483	1.196267	1.165568	12144.08
10606.61	0.76856	1.188892	1.160815	12770.6
10607.64	0.779819	1.192275	1.158514	13006.92
10608.68	0.776621	1.186622	1.149685	13848.72
10609.71	0.772503	1.186209	1.141375	14527.68
10610.74	0.780043	1.194816	1.134628	15256.72
10611.77	0.789115	1.186878	1.109934	18141.56
10612.8	0.790597	1.1625	1.082248	21170.8
10613.83	0.788353	1.159087	1.082621	20424.12
10614.86	0.780223	1.171552	1.102867	17241.32
10615.89	0.777438	1.163134	1.107954	16635.76
10616.92	0.785146	1.152617	1.101703	17965.32
10617.94	0.791441	1.148949	1.100463	18640.36
10618.97	0.794519	1.14695	1.09719	19535.96
10620	0.795538	1.1395	1.09025	20672.08
10621.02	0.793932	1.125207	1.085164	21597.16
10622.05	0.787696	1.117742	1.083923	21586.64
10623.07	0.783977	1.114617	1.081941	20984.56
10624.1	0.796805	1.116773	1.087823	20191.72
10625.12	0.805747	1.134022	1.097302	19088.68
10626.15	0.809393	1.158779	1.107423	17636.76
10627.17	0.81323	1.172316	1.124818	15040.68
10628.19	0.805836	1.169427	1.134426	13704.76
10629.21	0.794698	1.173117	1.135638	13758.12
10630.23	0.793508	1.177652	1.137769	13317.32
10631.26	0.795359	1.181468	1.143454	12554.6
10632.28	0.791262	1.191135	1.151401	11843.48
10633.3	0.788915	1.187797	1.149556	12301.48
10634.32	0.794637	1.191407	1.14816	12659.24
10635.34	0.793344	1.214859	1.152729	11861.32
10636.36	0.781407	1.233241	1.155224	11611.4
10637.38	0.771426	1.22331	1.157439	11687.84
10638.4	0.771472	1.210771	1.161008	11099.52
10639.42	0.767269	1.219317	1.163889	10615.6
10640.44	0.764727	1.225206	1.164953	10795.56
10641.46	0.768107	1.217992	1.162036	11250.2
10642.48	0.767663	1.210012	1.160592	11458.44
10643.5	0.765875	1.20797	1.15948	11476.28

10644.52	0.761688	1.208184	1.156601	11483.52
10645.54	0.760104	1.210811	1.154753	11604.64
10646.56	0.763579	1.224377	1.15591	11517.88
10647.58	0.768861	1.226024	1.161298	11144.16
10648.6	0.765741	1.211065	1.163917	11056.92
10649.62	0.766101	1.202348	1.163773	11347.52
10650.64	0.776637	1.197	1.161571	11823.92
10651.66	0.783017	1.185179	1.148716	13400.04
10652.68	0.782058	1.186859	1.141967	13922.96
10653.7	0.773544	1.195721	1.150671	12504.96
10654.72	0.772269	1.199066	1.158268	11557.28
10655.74	0.778307	1.208018	1.159138	11348.52
10656.76	0.775163	1.211903	1.163039	11039.6
10657.78	0.771463	1.201031	1.159688	11467.44
10658.81	0.768075	1.183572	1.146749	13006.88
10659.83	0.764145	1.163991	1.140664	14166.84
10660.85	0.761675	1.159132	1.146195	13674.24
10661.87	0.755812	1.156518	1.147976	13407.08
10662.9	0.753173	1.147934	1.144657	13814
10663.92	0.76068	1.146773	1.145825	13719.76
10664.95	0.76931	1.15041	1.147887	13552.12
10665.97	0.766001	1.154214	1.146776	13749.64
10667	0.765233	1.156774	1.147419	13801.24
10668.02	0.771204	1.164223	1.149792	13574.88
10669.05	0.768593	1.164749	1.143903	13967.16
10670.08	0.77049	1.169642	1.144306	13866.16
10671.11	0.774462	1.186694	1.147586	13336.04
10672.14	0.763773	1.191385	1.149611	12985.2
10673.17	0.762101	1.179239	1.152132	12954.84
10674.2	0.772649	1.17284	1.159153	12384.36
10675.24	0.771275	1.161449	1.160545	12275.68
10676.27	0.767017	1.150918	1.154297	12881.4
10677.31	0.766195	1.15663	1.154057	12558.32
10678.34	0.764668	1.162168	1.157448	11916.4
10679.38	0.76248	1.168313	1.160575	11294.8
10680.42	0.759312	1.173489	1.163948	10434.08
10681.45	0.757526	1.176228	1.165078	10171.72
10682.49	0.759114	1.174192	1.159752	10957.72
10683.53	0.758639	1.167116	1.149633	12163.84
10684.58	0.760984	1.168561	1.148054	12395.08
10685.62	0.759793	1.168196	1.152897	11950.64
10686.66	0.760305	1.180973	1.164093	11040.64
10687.7	0.765086	1.199379	1.170717	10548.44
10688.74	0.767094	1.202391	1.171628	10587.92

10689.78	0.763175	1.202337	1.18553	9609.8
10690.83	0.75323	1.180534	1.181929	10165.28
10691.87	0.760749	1.165716	1.179703	10694.32
10692.91	0.766865	1.166991	1.19223	9889.32
10693.96	0.766669	1.166416	1.200302	9318.6
10695	0.766832	1.159399	1.190044	10092.56
10696.04	0.755431	1.139678	1.170229	11934.6
10697.09	0.759631	1.138869	1.17719	11444.44
10698.13	0.767799	1.147503	1.186781	10381.52
10699.18	0.762143	1.142712	1.180537	10908.48
10700.22	0.758649	1.13387	1.16646	12254.64
10701.26	0.766575	1.139082	1.167442	12073.64
10702.31	0.77565	1.144446	1.173401	11485.16
10703.35	0.773789	1.137943	1.168991	11923.28
10704.4	0.767388	1.127135	1.162993	12491.36
10705.44	0.762953	1.1234	1.15912	12885.72
10706.49	0.769627	1.129605	1.158762	12858.6
10707.53	0.77523	1.131855	1.153288	13363.36
10708.58	0.771383	1.125621	1.14403	14454.04
10709.62	0.769457	1.121822	1.138232	15009.72
10710.67	0.769413	1.125448	1.140424	14582.76
10711.71	0.767697	1.125422	1.13651	14876.36
10712.76	0.769278	1.130828	1.133555	15083.56
10713.81	0.773451	1.138414	1.140095	14258.52
10714.85	0.772586	1.136751	1.14528	13656.48
10715.9	0.76733	1.131878	1.140596	14125.52
10716.95	0.773434	1.1306	1.14008	14283.44
10718	0.778662	1.134754	1.151451	13221.96
10719.05	0.774786	1.131078	1.152252	13237.68
10720.09	0.767553	1.129487	1.159434	12788.92
10721.14	0.763032	1.136464	1.168941	12019.44
10722.19	0.762416	1.145512	1.167075	12023.24
10723.24	0.765576	1.147893	1.161481	12062.28
10724.29	0.770886	1.133659	1.16055	12014.44
10725.34	0.762815	1.125007	1.170428	11452.28
10726.39	0.75759	1.125518	1.179454	10924.36
10727.44	0.765608	1.123824	1.177853	11221.48
10728.49	0.772071	1.134938	1.174563	11452.84
10729.54	0.763853	1.134516	1.174658	11418.2
10730.59	0.754123	1.117901	1.177584	11283.08
10731.64	0.754524	1.108903	1.177277	11426.08
10732.7	0.761364	1.104544	1.171694	12017.88
10733.75	0.765505	1.103791	1.169562	12126.44
10734.8	0.765873	1.103595	1.171205	11881.36

10735.85	0.764102	1.096856	1.166217	12190.56
10736.9	0.758334	1.09273	1.159783	12311.96
10737.95	0.755032	1.096027	1.160785	11794.24
10739	0.748622	1.107815	1.176164	10468.04
10740.05	0.742168	1.12241	1.200859	8997.64
10741.1	0.745745	1.130751	1.213724	8558.64
10742.15	0.75217	1.140488	1.221293	8318.56
10743.2	0.75781	1.14254	1.223528	8184.64
10744.25	0.759144	1.133267	1.216384	8604.72
10745.29	0.761597	1.124878	1.208878	9113.92
10746.33	0.764122	1.127459	1.205	9335.64
10747.38	0.759842	1.130237	1.20148	9559.64
10748.42	0.75492	1.119343	1.199883	9771.52
10749.46	0.749539	1.106018	1.196228	10168.4
10750.5	0.747421	1.103355	1.19364	10237.8
10751.54	0.746363	1.103626	1.19432	10156.32
10752.56	0.743984	1.098881	1.191294	10445.24
10753.59	0.751002	1.093756	1.186274	10781.64
10754.62	0.769846	1.090338	1.183583	11015.44
10755.64	0.771535	1.088212	1.181591	11272.6
10756.67	0.756172	1.085794	1.181084	11309.44
10757.7	0.748265	1.089024	1.186179	10828.6
10758.71	0.742841	1.090775	1.189317	10574.12
10759.71	0.742901	1.089908	1.189095	10689.48
10760.72	0.740738	1.09047	1.192398	10441.68
10761.72	0.742142	1.08552	1.190751	10516.28
10762.73	0.760368	1.070179	1.171685	12094.48
10763.74	0.768619	1.055666	1.149986	14103.48
10764.74	0.755911	1.053251	1.144252	14510.72
10765.72	0.754501	1.050236	1.142264	14498.68
10766.71	0.760615	1.039939	1.131623	15890.88
10767.69	0.764196	1.033298	1.123043	16970.32
10768.67	0.769022	1.019239	1.106874	19438.36
10769.66	0.772911	1.003593	1.08968	22277.92
10770.64	0.779821	1.00036	1.084531	22756.88
10771.61	0.789273	1.000448	1.082141	22767.2
10772.58	0.796884	0.99717	1.080252	23179.48
10773.54	0.797281	0.995795	1.079467	23497.16
10774.51	0.794049	0.998116	1.081109	23188.04
10775.47	0.794198	0.999905	1.081626	23128.16
10776.44	0.797369	0.99938	1.079591	23642.36
10777.4	0.79483	0.994971	1.075564	24372.04
10778.35	0.793949	0.99125	1.07167	25182
10779.29	0.797372	0.98979	1.06812	25784.8

10780.23	0.800029	0.990796	1.067252	25587.36
10781.18	0.800385	0.987805	1.061478	26708.48
10782.12	0.799424	0.981628	1.052607	28318.44
10783.07	0.7993	0.981731	1.051227	28492.36
10784.01	0.799891	0.985324	1.055169	27717.8
10784.93	0.803151	0.989248	1.059455	26849.56
10785.86	0.805446	0.990213	1.060527	26922.24
10786.78	0.798273	0.984541	1.054866	28270.28
10787.71	0.796651	0.986786	1.054957	27947.68
10788.63	0.806196	0.993588	1.060667	26177.16
10789.56	0.799713	1.000214	1.06063	24752.04
10790.47	0.797126	1.006375	1.061866	24404.76
10791.38	0.804611	1.004744	1.064148	25014.8
10792.28	0.797809	0.995516	1.056974	26855.32
10793.19	0.801307	0.998327	1.052531	26741.96
10794.09	0.813153	1.005066	1.050621	26917.2
10795	0.811613	1.005285	1.053597	27520.2