THE MIDDLE AND LATE HOLOCENE ENVIRONMENT OF SYDNEY HARBOUR (NSW, AUSTRALIA): A MILLENNIAL STORY PRESERVED IN

## LIVE AND DEAD MOLLUSCAN ASSEMBLAGES



Upper-left image credit: Rodney Haywood, 2004, middle image credit: BridgeClimb Sydney, lower-right image credit: John Eyre, 1812

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This thesis is presented for the degree of Doctor of Philosophy, May 2017
"Gracias... totales"
(Cerati)

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## STATEMENT OF CANDIDATE

I certify that the work in this thesis entitled "The middle and late Holocene environment of Sydney Harbour (NSW, Australia): A millennial story preserved in live and dead molluscan assemblages" has not previously been submitted for a degree nor has it been submitted as part or requirements for a degree to any other university or institution other than Macquarie University.

I also certify that the thesis is an original piece of research and it has been written by me. Any help and assistance that I have received in my research work and the preparation of the thesis itself have been appropriately acknowledged. In addition, I certify that all information sources and literature used are indicated in thesis.

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## SUMMARY

Understanding how biological communities have responded to past climate change is key to evaluating, modelling and predicting the future changes to biological communities due to anthropogenic climate change. This thesis investigates ecological and environmental variability in Sydney Harbour during the middle and late Holocene using the palaeoecological and sclerochronological information preserved in living and subfossil molluscan assemblages.

This thesis is divided in three chapters linked sequentially in a logical order. First, I used radiocarbon-calibrated amino acid racemization ages from 173 Fulvia tenuicostata shells collected from Sydney Harbour (NSW, Australia) to quantify time-averaging in surficial and excavated death assemblages (Chapter 1). I determined that the upper 1.6 m of the sedimentary column preserved molluscan assemblages stratigraphically ordered from $\sim 100$ years old in the most surficial layer to $\sim 5000$ years old in the deepest layers. This first chapter provides the geochronological framework for the historical comparisons in Chapter 3 and was the first quantitative study of time-averaging from temperate Australian waters. Secondly, I evaluated the potential of Callista disrupta shells, the most common living subtidal bivalve in the area currently, for sclerochronological and palaeoecological studies (Chapter 2). I found that C. disrupta form annual growth bands which I used to determine age, growth and population structure, I also quantified seasonality patterns in shell trace elements $(\mathrm{Mg} / \mathrm{Ca}, \mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca})$. I derived a linear calibration equation that explained the relationship between $\mathrm{Mg} / \mathrm{Ca}$ and water temperature in C. disrupta which permitted me to use $\mathrm{Mg} / \mathrm{Ca}$ ratios as a reliable proxy for maximum annual temperature. I also documented a strong relationship between $\mathrm{Ba} / \mathrm{Ca}$ peaks and influx of freshwater into the system. This
second chapter demonstrates that $C$. disrupta shells are viable proxies for maximum summer temperature and freshwater flux.

Thirdly, using C. disrupta shells collected from the excavation layers dated in Chapter 1, I compared age, growth and shell composition of the living C. disrupta population with the historical population of the middle, late and recent Holocene (Chapter 3). I found notable differences in growth rates and lifespan between modern and middle Holocene population, with the modern populations being significantly larger and living longer periods; I also found that $C$. disrupta became the dominant species in the area in the last decades, while it was rare in the same area during the most part of the middle and late Holocene. Using $\mathrm{Mg} / \mathrm{Ca}$ ratio in the shells as environmental proxies, I suggest a middle Holocene significantly colder with summer $\sim 2{ }^{\circ} \mathrm{C}$ lower than today which may have affected the growth of C. callista $\sim 5000$ years ago. Also, based on $\mathrm{Ba} / \mathrm{Ca}$ ratio profiles, I found evidence of a strong change in the hydrological dynamics of Sydney harbour during European colonization $\sim 150$ years ago.

Together these three chapter build a compelling picture of the changes in Sydney Harbour over the past $\sim 5,000$ years. I suggest a link between the anthropogenic impact during this period with strong changes in the molluscan community structure. I provide new insights into how ecological communities have varied since the mid-Holocene and the relationship between these variations and historical environmental changes, naturally and anthropogenically driven.

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## INTRODUCTION

The Holocene has been a period characterized by strong global climate variability, and understanding these environmental changes, and how past biological communities have responded to them, are key to evaluating and modelling the consequences and magnitude of the recent anthropogenic climate changes (Wanner et al. 2008). Death assemblages (natural accumulations of skeletal remains) offer an important tool for reconstructing past environmental change, assisted by available historical observations (e.g., Jackson et al., 2001; Schworer et al., 2015; Kosnik and Kowalewski, 2016).

In this context, molluscan death assemblages (especially in bivalve shell communities), have proven to be reliable, durable and high resolution environmental archives for reconstructing Holocene marine communities and climate (e.g. Watanabe et al. 2001; Schöne et al. 2002, 2004; Carré et al. 2006). Bivalves grow by incremental calcium carbonate accretions, with shell size and elemental/isotopic composition reflecting variations in environmental conditions, thus making them useful as environmental proxy archives (e.g. Brocas et al. 2013; Izzo et al. 2016). These accretions are visible in many species, delineated by growth lines throughout the shells, thus creating a chronologically ordered archive of the environmental conditions experienced by the bivalve during its lifetime and a permanent register of the organism's life history (Rhoads and Lutz 1980; Wannamaker et al. 2008).

Here, I focus on using Laser Ablation (LA-ICP-MS) analysis to determine the trace element shell composition. There is a fair amount of controversy about the reliability of using trace elements as environmental proxies (Gillikin et al., 2006; Wanamaker et al., 2008; Risk et al., 2010; Schöne et al., 2011). However, the advantages of using this method are compelling: Sampling the shell in situ (on the shell without
destroying the sample), provides an opportunity for analyses at a higher temporal resolution that more traditional methods like stable isotopes. Further, trace elements tend to be more stable in water salinities above 10 PSU than isotopes (Dodd and Crisp, 1982), which make them ideal for working with estuarine species. Despite concerns about its reliability, it is paramount to increase the body of research on this method which has an enormous potential in palaeoecology - one of the specific objectives of this thesis.

In this thesis, bivalve shells collected from surficial and excavated molluscan assemblages were used to infer historical environmental conditions and changes in the benthic community of Sydney Harbour from the mid-Holocene ( $\sim 5000$ years ago) to the present day. Sydney Harbour is the most important natural harbor in Australia. Its catchment is heavily urbanized and has been industrialized at least for the last $\sim 150$ years (Birch 2007), which makes it ideal as an object of study for recent and historical human impacts. Furthermore, it is localized in mid-latitudes of the East coast of Australia, a geographical area where the Holocene marine environment is poorly understood and studied compared with the tropical (e.g. Abram et al. 2009; Duprey et al. 2012), sub-polar and polar latitudes (e.g. Masson et al. 2000; Pahnke and Sachs, 2006). The lack of information on mid-latitudes is more relevant taking into account that the timing and magnitude of global climate changes during the Holocene have shown to have large regional and latitudinal variability (for a review see: Wanner et al. 2008; Renssen et al. 2012). For example Sandler et al., (2016), compared studies in the tropical and high latitudes of the West Pacific and found a significant delay ( $\sim 2000 \mathrm{yr}$ ) between both areas in reaching the Holocene Thermal Maximum (HTM) period. Increasing the current knowledge of the Holocene marine climate in Australian mid-latitudes is paramount in understanding the complexity of the Holocene climate latitudinal variation. This study is an effort to expand the body of research on Holocene marine climate conditions in this
region of the world and compare its natural variability with recent anthropogenic driven environmental changes in the area.

This thesis is divided into three chapters linked sequentially in a logical order, starting with determining the chronological structure of the death molluscan assemblages of the area of study, followed by an evaluation of the potential of using Callista disrupta (the most common living bivalve found in out surficial samples) as a palaeoecological proxy archive for the area, and finishing with a comparison among environmental characteristics of the area during the mid to late Holocene, colonial times and present days, based on information preserved in the shells of the modern and historical populations of C. disrupta.

Chapter one defines the chronological structure of the surficial and excavated molluscan death assemblages in Sydney Harbour. Due to sediment mixing, death assemblages contain remains of varying ages. This phenomenon is termed "timeaveraging" and defines the temporal resolution of a death assemblage for palaeoecological interpretation (Flessa et al., 1993; Kosnik et al., 2013). Time averaging is highly variable even between similar adjacent assemblages, and this spatial variability can make palaeoecological interpretation challenging (Meldahl et al., 1997; Kowalewski et al., 1996; Carroll et al., 2003). I quantified the spatial variation in time-averaging from surficial assemblages collected from the top 0.2 m at six different locations. I also examined the relation between burial depth and the magnitude of time-averaging using shell assemblages collected from a $1.8-\mathrm{m}$-deep excavation. My results reinforced the importance of using a stratigraphic context to understand spatial variation in timeaveraging, enabling stronger inferences in palaeoecological studies. This chapter is relevant especially to the palaeobiological scientific community. It was submitted, revised
based on reviewer's comments, accepted and published in the journal PALAIOS (i.e., Dominguez et al. 2016).

It is important to clarify that the excavation necessary for sampling the sedimentary column in chapter one required an extraordinary amount of field work effort (one week of seven divers working full-time) and time for processing and dating the material collected ( $\sim 1.5$ years). This sampling effort gives us the opportunity to collect complete shells from large bivalve species essential for further sclerochronological analyses. The limitation of using this method of collection is the difficulty in replicating excavations due to the high investment of logistical and economic resources. This limitation is common in palaeoecological studies where results, more often than not, are based on small number of samples requiring assumptions of spatial homogeneity (Scanes et al. 2017). As part of Chapter one, the superficial sedimentary layer (upper 20 cm ) is sampled in several locations to assess sedimentary spatial variability, however, assumptions still are necessary for deeper sedimentary layers.

Chapter two evaluates the potential of using Callista disrupta shells as palaeoecological records and environmental proxies. Growth rates, periodicity of growth line formation and shell compositional variability in bivalve shells are driven by both internal vital effects such as ontogeny or metabolic processes and external environmental variables such as temperature or salinity (Crenshaw, 1980; Klein et al., 1996; Gillikin et al., 2006; Schöne et al., 2011). This combination of factors can produce notable inconsistencies in results among species and even populations; assessing the correlation between local environmental variables, calcification rates and trace element incorporation is paramount before using them for environmental interpretation. C. disrupta is a common subtidal species along the east coast of Australia (Atlas of Living Australia, 2016) and the most abundant living bivalve found in the surficial sediment samples, but despite its
abundance there are no studies on its life history. This study determines age, growth rate and structure of the population of Sydney Harbour based on internal shell growth band formation and relates changes in shell trace element composition with environmental variables. This manuscript is aimed at the sclerochronological and palaeobiological scientific community, and has been prepared for submission to the journal Palaeogeography, Palaeoclimatology, Palaeoecology.

An important component of chapter two is the correlation between shell trace element composition and daily sea water temperature. Remarkably, daily sea temperature data for the study area was only available from the Sydney Institute of Marine Science from 2013. No daily sea temperature dataset is available for Sydney Harbour prior to 2013. For this reason, correlations in chapter two are based on only one seasonal period (winter 2014 - winter 2015) instead of a multi-yearly period. Despite this limitation, this study used an exceptionally high resolution scale (daily) which still gave us 256 data points to correlate. This absence of daily resolved data is not only restricted to temperature but also other physic-chemical variables like nutrient, salinity or chlorophyll. Instead of seeing this limitation as a problem for my study, I see it as an example of the need of researching new palaeoenvironmental proxies to fill this kind of historical environmental information gap even for Sydney Harbour.

In chapter three, I compared population relative abundance, growth rates, and shell elemental composition $(\mathrm{Mg} / \mathrm{Ca}$ and $\mathrm{Ba} / \mathrm{Ca}$ ratios) from the modern $C$. disrupta population with shells from the mid to late Holocene and the colonial period from Sydney Harbour (NSW, Australia). This provided insight on the prevailing sea surface temperature conditions of the mid-Holocene in the area, as well as offering strong evidence of more recent dramatic environmental and ecological changes in the area. This manuscript is aimed at a palaeobiological audience especially focused on the Holocene
period, and it has been prepared for submission to the journal Palaeogeography, Palaeoclimatology, Palaeoecology.

In Chapter three we show significant geochemistry differences between modern and mid-Holocene shells. There is no evidence of diagenesis which means that these geochemical differences likely reflect differences in environmental conditions and biological processes. I proposed that changes in temperature play an important role in $\mathrm{Mg} / \mathrm{Ca}$ differences and proposed an approximation of the actual temperature difference using a calibration equation derived in Chapter 2. However, due to the relatively low coefficient of determination (0.44) in the calibration equation between $\mathrm{Mg} / \mathrm{Ca}$ and temperature, I have been cautious in the results interpretation assuming that other variables also contributing to $\mathrm{Mg} / \mathrm{Ca}$ ratios variability which increase significantly predicting uncertainties. It is important to note that the calibration equation derived in chapter two includes an estimate of the uncertainty of the predicted temperature. The uncertainty in the predicted temperature is as large as it is due to the relatively low coefficient of determination.

Chapter two and chapter three are closely linked sharing similar methods and the same calibration dataset. It should be noted that the two chapters focus on entirely different objectives. Chapter two is a validation of our method using trace elements in modern C. disrupta shells as environmental proxies, and Chapter three is a palaeoecological application of this methods to shells from mid Holocene, late Holocene and the Australian Colonial period. An important component of the third chapter is a comparative study between the modern and old populations of $C$. disrupta, for this reason the data from the modern population in the second Chapter is also included in the results and discussion of the Chapter three. In this way chapter three extends the work from chapter two back over an additional 5000 yr . of history.

Geochemical analyses (LA-ICP-MS) are very expensive, so typically the minimum possible number of shells are examined. While it would be great to use more shells, the number of shells examined here is consistent with other similar studies. Where replicate shells were examined the results were consistent, but due to limited samples and cost constraints not all analyses could be replicated.

Finally, I present a synthesis of my results which includes a novel and more accurate method to estimate time-averaging in death assemblages and conclude that changes observed in growth rates and shell composition in modern and historical populations of $C$. disrupta may respond to environmental changes and potentially can be used as proxies for palaeoecological reconstruction. I present new evidence of variability in the mid and late Holocene weather in the southeast coast of Australia, as well as evidence of strong recent human impact in Sydney Harbour based exclusively on information preserved in molluscan shell assemblages. This study is a demonstration of the importance of the palaeobiological context to understanding modern ecological communities and the need for additional knowledge of the ecological and sclerochronological characteristics of Australian bivalves.

## REFERENCES

Abram, N.J., McGregor, H.V., Gagan, M.K., Hantoro, W.S., and Suwargadi, B.W., 2009, Oscillations in the southern extent of the Indo-Pacific Warm Pool during the mid-Holocene: Quaternary Science Reviews, v. 28, p. 2794-2803, doi: https://doi.org/10.1016/j.quascirev.2009.07.006

Atlas of Living Australia: Australia's species: Callista disrupta http://bie.ala.org.au/species/urn:Isid:biodiversity.org.au:afd.taxon:d43fbf93-15d4-4470-8426-a76cea149265 Checked on September 2016.

BIRCH, G.F., 2007, A short geological and environmental history of the Sydney estuary, Australia, in: Birch, G.F., ed. Water, Art and Debate: Sydney University Press, v. 17, p. 217-246.

Brocas, W., Reynolds, D.J., Butler, P., Richardson, C., Scourse, J., Ridgway, I., and Ramsay, K., 2013, The dog cockle, Glycymeris glycymeris (L.), a new annually-resolved sclerochronological archive for the Irish Sea: Palaeogeography, palaeoclimatology, palaeoecology, v. 373, p. 133-140

Carré, M., Bentaleb, I., Bruguier, O., Ordinola, E., Barrett, N.T., and Fontugne, M., 2006, Calcification rate influence on trace element concentrations in aragonitic bivalve shells: Evidences and mechanisms: Geochimica et Cosmochimica Acta, v. 70, p. 4906-4920, doi: http://dx.doi.org/10.1016/j.gca.2006.07.019

Crenshaw, M.A., 1980, Mechanisms of shell formation and dissolution: In: Skeletal Growth of Aquatic Organisms. Rhoads. D.C., Lutz, R.A. (eds) Plenum Publishing Corporation, New York, p 115-132.

Dodd, J.R., AND CRISP, E.L., 1982, Non-linear variation with salinity of $\mathrm{Sr} / \mathrm{Ca}$ and $\mathrm{Mg} / \mathrm{Ca}$ ratios in water and aragonitic bivalve shells and implications for paleosalinity studies: Palaeogeography, palaeoclimatology, palaeoecology, v. 38, p. 45-56, doi: https://doi.org/10.1016/0031-0182(82)90063-3.

Dominguez, J.G., Kosnik, M.A., Allen, A.P., Hua, Q., Jacob, D.E., Kaufman, D.S., and Whitacre, K., 2016, Time-averaging and stratigraphic resolution in death assemblages and Holocene deposits: Sydney Harbour's molluscan record: PALAIOS, v. 31, p. 563-574.

Duprey, N., Lazareth, C.E., Corrège, T., Le Cornec, F., Maes, C., Pujol, N., Madeng-Yogo, M., Caquineau, S., Soares Derome, C., and Cabioch, G., 2012, Early mid-Holocene SST variability and surface-ocean water balance in the southwest Pacific: Paleoceanography, v. 27, p. n/a-n/a, doi: 10.1029/2012PA002350.

Flessa, K.W., Cutler, A.H., and Meldahl, K.H., 1993, Time and taphonomy: Quantitative estimates of time-averaging and stratigraphic disorder in a shallow marine habitat: Paleobiology, v. 19, p. 266-286, doi: 10.2307/2400881.

Gillikin, D.P., Dehairs, F., Lorrain, A., Steenmans, D., Baeyens, W., and André, L., 2006, Barium uptake into the shells of the common mussel (Mytilus edulis) and the potential for estuarine paleo-chemistry reconstruction: Geochimica et Cosmochimica Acta, v. 70, p. 395-407, doi: http://dx.doi.org/10.1016/j.gca.2005.09.015.

Izzo, C., Manetti, D., Doubleday, Z.A., and Gillanders, B.M., 2016, Calibrating the element composition of Donax deltoides shells as a palaeo-salinity proxy: Palaeogeography, palaeoclimatology, palaeoecology, doi: http://dx.doi.org/10.1016/j.palaeo.2016.11.038

Jackson, J.B.C., Kirby, M.X., Berger, W.H., Bjorndal, K.A., Botsford, L.W., Bourque, B.J., Bradbury, R.H., Cooke, R., Erlandson, J., Estes, J.A., Hughes, T.P., Kidwell, S., Lange, C.B., Lenihan, H.S., Pandolfi, J.M., Peterson, C.H., Steneck, R.S., Tegner, M.J., and Warner, R.R., 2001, Historical overfishing and the recent collapse of coastal ecosystems: Science, v. 293, p. 629-637, doi: 10.1126/science. 1059199 .

Klein, R.T., Lohmann, K.C., and Thayer, C.W., 1996, Bivalve skeletons record seasurface temperature and $\delta^{18} \mathrm{O}$ via $\mathrm{Mg} / \mathrm{Ca}$ and ${ }^{18} \mathrm{O} /{ }^{16} \mathrm{O}$ ratios: Geology, v. 24, p. 415-418, doi: 10.1130/0091-7613(1996)024<0415:bsrsst>2.3.co;2.

Kosnik, M.A., Kaufman, D.S., and Hua, Q., 2013, Radiocarbon-calibrated multiple amino acid geochronology of Holocene molluscs from Bramble and Rib Reefs (Great Barrier Reef, Australia): Quaternary Geochronology, v. 16, p. 73-86, doi: 10.1016/j.quageo.2012.04.024.

Kosnik, M.A., And Kowalewski, M., 2016, Understanding modern extinctions in marine ecosystems: the role of palaeoecological data: Biology Letters, v. 12, doi: 10.1098/rsbl.2015.0951.

Kowalewski, M., 1996, Time-averaging, overcompleteness, and the geological record: The Journal of Geology, v. 104, p. 317-326, doi: 10.2307/30068194.

Masson, V., Vimeux, F., Jouzel, J., Morgan, V., Delmotte, M., Ciais, P., Hammer, C., Johnsen, S., Lipenkov, V.Y., Mosley-Thompson, E., Petit, J.-R., Steig, E.J., Stievenard, M., and Vaikmae, R., 2000, Holocene Climate Variability in Antarctica Based on 11 Ice-Core Isotopic Records: Quaternary Research, v. 54, p. 348-358, doi: 10.1006/qres.2000.2172.

Pahnke, K., AND SACHS, J.P., 2006, Sea surface temperatures of southern midlatitudes 0160 kyr B.P: Paleoceanography, v. 21, p. n/a-n/a, doi: 10.1029/2005PA001191.

Renssen, H., Seprä, H., Crosta, X., Goosse, H., and Roche, D.M., 2012, Global characterization of the Holocene Thermal Maximum: Quaternary Science Reviews, v. 48, p. 7-19, doi: https://doi.org/10.1016/j.quascirev.2012.05.022

Rhoads, D.C., and Lutz, R.A., (Editors), 1980, Skeletal Growth of Aquatic Organisms: Plenum Publishing Corporation, New York, 750 pp.

Risk, M.J., Burchell, M., De Roo, K., Nairn, R., Tubrett, M., and Forsterra, G., 2010, Trace elements in bivalve shells from the Río Cruces, Chile: Aquatic Biology, v. 10, p. 85-97.

Sadler, J., Webb, G.E., Leonard, N.D., Nothdurft, L.D., and Clark, T.R., 2016, Reef core insights into mid-Holocene water temperatures of the southern Great Barrier Reef: Paleoceanography, v. 31, p. 1395-1408.

Scanes, P., Ferguson, A., and Potts, J., 2017, Estuary Form and Function: Implications for Palaeoecological Studies, in Weckström, K., Saunders, K.M., Gell, P.A., and Skilbeck, C.G., eds., Applications of Paleoenvironmental Techniques in Estuarine Studies: Springer Netherlands, Dordrecht, p. 9-44.

Schöne, B.R., Lega, J., W. Flessa, K., Goodwin, D.H., and Dettman, D.L., 2002, Reconstructing daily temperatures frlimatology, palaeoecology, v. 184, p. 131146, doi: http://dx.doi.org/10.1016/S0031-0182(02)00252-3.

Schöne, B.R., Castro, A.D.F., Fiebig, J., Houk, S.D., Oschmann, W., and Kröncke, I., 2004, Sea surface water temperatures over the period 1884-1983 reconstructed from oxygen isotope ratios of a bivalve mollusk shell (Arctica islandica, southern North Sea): Palaeogeography, palaeoclimatology, palaeoecology, v. 212, p. 215232.

Schöne, B.R., Zhang, Z., Radermacher, P., Thébault, J., Jacob, D.E., Nunn, E.V., and Maurer, A.-F., 2011, $\mathrm{Sr} / \mathrm{Ca}$ and $\mathrm{Mg} / \mathrm{Ca}$ ratios of ontogenetically old, longlived bivalve shells (Arctica islandica) and their function as paleotemperature proxies: Palaeogeography, palaeoclimatology, palaeoecology, v. 302, p. 52-64, doi: http://dx.doi.org/10.1016/j.palaeo.2010.03.016.

Schwörer, C., Colombaroli, D., Kaltenrieder, P., Rey, F., and Tinner, W., 2015, Early human impact ( $5000-3000 \mathrm{BC}$ ) affects mountain forest dynamics in the Alps: Journal of Ecology, v. 103, p. 281-295, doi: 10.1111/1365-2745.12354.

Watanabe, T., Winter, A., and Оba, T., 2001, Seasonal changes in sea surface temperature and salinity during the Little Ice Age in the Caribbean Sea deduced from $\mathrm{Mg} / \mathrm{Ca}$ and ${ }^{18} \mathrm{O} /{ }^{16} \mathrm{O}$ ratios in corals: Marine Geology, v. 173, p. 21-35.

Wanamaker Feindel Jr, A.D., Kreutz, K.J., Wilson, T., Borns Jr, H.W., Introne, D.S.,And Feindel, S., 2008, Experimentally determined $\mathrm{Mg} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca}$ ratios in juvenile bivalve calcite for Mytilus edulis: implications for paleotemperature reconstructions: Geo-Marine Letters, v. 28, p. 359-368

Wanner, H., Beer, J., Bütikofer, J., Crowley, T.J., Cubasch, U., Flückiger, J., Goosse, H., Grosjean, M., Joos, F., Kaplan, J.O., Küttel, M., MüLler, S.A., Prentice, I.C., Solomina, O., Stocker, T.F., Tarasov, P., Wagner, M., and Widmann, M., 2008, Mid- to Late Holocene climate change: an overview: Quaternary Science Reviews, v. 27, p. 1791-1828.

PROPORTION OF CONTRIBUTIONS TO THE CHAPTERS

| Co-authored and submitted <br> chapters | Study <br> concept and <br> design (\%) | Acquisition <br> of data <br> $(\%)$ | Analysis and <br> interpretation <br> $(\%)$ | Drafting of <br> manuscript <br> $(\%)$ | Critical <br> revision <br> $(\%)$ |
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| Chapter 1 and <br> "Time-averaging <br> stratigraphic resolution in <br> death assemblages and | $\mathbf{6 0}$ |  |  |  |  |
| Holocene deposits: Sydney <br> Harbour's molluscan record" |  | $\mathbf{7 0}$ | $\mathbf{7 0}$ |  |  |
| Chapter 2 <br> "Callista disrupta (Bivalve: <br> Veneridae) in Sydney Harbour, <br> NSW: A new daily-resolved <br> sclerochronological archive for | $\mathbf{9 0}$ | $\mathbf{8 0}$ | $\mathbf{9 0}$ |  |  |
| the east coast of Australia |  |  |  |  |  |

# OTHER CO-AUTHORED MANUSCRIPTS AND CONFERENCES 

Agbaje O.B.A., Thomas D.E., DominguEz J.G., Mclnerney B.V., Kosnik M.A., Jacob D.E., (Submitted), The organic macromolecules in bivalve shells with crossed lamellar microstructure: Material Science and Engineering C.


#### Abstract

The organic matrix in bivalve shells is a minor, albeit important component for the formation and the material properties of the shell. Here we present an in-depth characterization of the organic components in shells of two bivalve species (Tridacna gigas and Fulvia tenuicostata) with crossed lamellar microstructure. Compared to nacroprismatic shells, detailed knowledge on the organic moiety of crossed lamellar shells, the most common microstructure among molluscs, is still minimal. While the total amount of organic is low (1.8 and $1.5 \mathrm{wt} \%$ ), shells from both species contain chitin, as shown by chitin deacetylase bands in gel electrophoresis. T. gigas shells are rich in glycine (12.7 $\%)$, proline ( $12.4 \%$ ), leucine ( $12.0 \%$ ) and glutamate ( $9.6 \%$ ), $F$. tenuicostata, instead contains high amounts of aspartate (13.3 \%) and glycine (14.4 \%). Carbohydrate budgets are significantly different between the two species and reveal high xylose ( $42.8 \%$ ) and glucose (31.7 \%) contents in T. gigas shells, while F. tenuicostata exhibits higher amount of glucosamine (17.2 \%) and galactosamine (14.0 \%). Electrophoretic fractionation shows, for the first time, many discrete bands for glycoproteins in these shells with crossed lamellar structure. Furthermore, prominent glycosaminoglycans and/or proteoglycans of undetermined weight were identified.


Dominguez J.G., Kosnik M.A., Jacob D.E., 2016, A millennial scale perspective on changes to benthic communities: Changes in clam abundance and growth rates in Sydney Harbour (Australia): Proceedings of the 101st Ecological Society of America annual meeting, Fort Lauderdale, FL, USA. Available online: $\underline{\text { https://eco.confex.com/eco/2016/webprogram/Paper59155.html }}$

## Background/Question/Methods

Understanding historical changes in marine communities is paramount for an accurate evaluation of their current status. Callista disrupta is the most abundant bivalve found in the subtidal soft sediments of outer Sydney Harbour, NSW. This has not always been the case, and molluscan death assemblages show the species was rare in the area during most of the last 6000 years. In this study we built Von Bertalanffy Growth (VBG) curves based on internal growth bands of 30 live shells (collected in 2014-2015), and excavated shells that lived between 3000 to 5000 years ago. The periodicity of the bands was compared across seasonal collections and validated by variations in trace element ( $\mathrm{Mg}, \mathrm{Sr}$, and Ba ) composition using Laser Ablation ICP-MS.

## Results/Conclusions

Initial results show that C. disrupta had significantly lower growth rates (VBG, $L_{t}$ $\left.=L_{t}=27.59\left[1-\mathrm{e}^{-1.13(\mathrm{t}-0.18)}\right]\right)$, relative abundance $(\mathrm{RA},>2 \%)$ and population density (PD, $\sim 0.2 \mathrm{ind} / \mathrm{m}^{2}$ ), than the current living population (VBG, $L_{t}=44.47\left[1-\mathrm{e}^{-0.33(\mathrm{t}-0.49}\right]$, RA, $\sim 65 \%$, PD $0.5 \mathrm{ind} / \mathrm{m}^{2}$ ). Results also show significantly higher Ba concentrations in the older shells, and higher concentration of Mg and Sr in modern shells. These differences are explored as indicators of changing environmental conditions such as sea temperature, primary productivity or freshwater influx levels. We found that C. disrupta shells have the potential to save detailed information of historical environmental changes
in the area and their impact on the development and survival of these individuals. Our results illustrate of how ecological community structures may respond and adapt to the changing environmental conditions of the Anthropocene.

Dominguez J.G., Kosnik M.A., Jacob D.E., 2016, 4000 Years of Adaptation: The History Of Callista Disrupta In Sydney Harbour, NSW: Proceedings of the 4th Oceania Congress for Conservation Biology, Brisbane, Qld, Australia. p. 124.


#### Abstract

Callista disrupta is the most abundant bivalve found in the subtidal soft sediments of Sydney Harbour, NSW. This has not always been the case, and death assemblages show the species was rare in the area during most part of the Holocene. In this study we built Von Bertalanffy Growth (VBG) curves based on internal growth bands of 30 live shells (collected in 2014-2015), and five excavated shells est. ~3000 to 5000 years old. The periodicity of the bands was compared across seasonal collections and validated by variations in trace element ( $\mathrm{Mg}, \mathrm{Sr}, \mathrm{Ba}$ ) composition using Laser Ablation ICP-MS. Initial results show that $C$. disrupta had significantly lower growth rates (VBG, $L_{t}=27.59$ $\left[1-\mathrm{e}^{-1.13(\mathrm{t}-0.18)}\right]$ ), relative abundance (RA, $>2 \%$ ) and population density (PD, $\sim 0.2$ ind $/ \mathrm{m} 2$ ), than the current living population (VBG, $L_{i}=44.47\left[1-\mathrm{e}^{-0.33(\mathrm{t}-0.49}\right], \mathrm{RA}, \sim 65$ $\%, \mathrm{PD} 0.5 \mathrm{ind} / \mathrm{m}^{2}$ ). Results also show significantly higher Ba concentrations in the older shells, and higher concentration of Mg and Sr in modern shells. These differences may suggest variations in environmental conditions such as sea temperature, primary productivity or freshwater influx levels. This C. disrupta case introduces a new example of how climate change can impact community structures and species adaptability.


## CHAPTER 1

TIME-AVERAGING AND STRATIGRAPHIC RESOLUTION IN DEATH ASSEMBLAGES AND HOLOCENE DEPOSITS: SYDNEY HARBOUR'S MOLLUSCAN RECORD
J. Gabriel Dominguez, Matthew A. Kosnik, Andrew P. Allen, Quan Hua, Dorrit E. Jacob, Darrell S. Kaufman, Katherine Whitacre

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## CHAPTER 2

# CALLISTA DISRUPTA (BIVALVE: VENERIDAE) IN SYDNEY HARBOUR, NSW: A NEW DAILY-RESOLVED SCLEROCHRONOLOGICAL ARCHIVE FOR THE EAST COAST OF AUSTRALIA 

J. Gabriel Dominguez, Matthew A. Kosnik, Dorrit E. Jacob, Dilmi Herath

# CALLISTA DISRUPTA (BIVALVIA: VENERIDAE) IN SYDNEY HARBOUR, NSW: A NEW DAILY-RESOLVED SCLEROCHRONOLOGICAL ARCHIVE FOR THE EAST COAST OF AUSTRALIA 

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RRH: Callista disrupta a sclerochronological archive

LRH: DOMINGUEZ ET AL.

Keywords: Sclerochronology, Von Bertalanffy growth curve, laser ablation ICPMS, trace elements, Mollusca.


#### Abstract

Callista disrupta (Bivalvia: Veneridae) is the most abundant bivalve living in the subtidal soft sediment of Sydney Harbour, (New South Wales, Australia), yet its lifespan and growth are largely undocumented. Here we measured the age, growth rate and population structure of $C$. disrupta using the internal shell growth bands from 30 individuals, live-collected from Sydney Harbour. C. disrupta forms annual


internal dark growth bands marked by a depression on the outside of the shell during winter when water temperatures are lower. Live-collected specimens ranged in size from $\sim \mathbf{2 2} \mathbf{~ m m}$ to $\sim \mathbf{4 2} \mathbf{~ m m}$ in maximum length, and they recorded between 1 and 7 dark annual bands with a median age of 2.5 years. Daily shell microincrements in 10 shells yielded a median of $265 \pm 8$ micro-increments between growth bands indicating a continuous growth period of approximately nine months with a period of slow growth in winter. The Von Bertalanffy Growth (VBG) curve fit for this species was $L_{t}=44.47\left[1-\mathrm{e}^{-0.33(t-0.49}\right]$ indicating rapid growth for the first 4 years and a maximum lifespan of 9 years. Seasonal variation in $\mathbf{M g} / \mathrm{Ca}, \mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca}$ showed higher concentrations in the fast growth period (spring, summer and autumn). Two methods were used to determine the correlation between trace element ratios and water temperature, first correlating directly both profiles and secondly taking into account changes in daily growth rates. Daily variation in these trace element ratios are linearly correlated with water temperature, and in with daily shell growth. With both methods, $\mathrm{Mg} / \mathrm{Ca}$ was the best predictor of water temperature ( $r^{2}=0.66$ and 0.44 ), followed by $\mathrm{Ba} / \mathrm{Ca}\left(\mathrm{r}^{2}=0.56\right.$ and 0.28$)$ and $\mathrm{Sr} / \mathrm{Ca}$ $\left(\mathbf{r}^{2}=0.42\right.$ and 0.28$)$. Our results indicate that trace element composition of $C$. disrupta shells records $\sim$ daily water temperature during the warmer $\sim 9$ months of the year (January - May and September - December). We also describe the age, growth, and population structure of C. disrupta in Sydney Harbour.

## INTRODUCTION

Bivalves have been widely recognized as reliable bioindicators of environmental conditions (e.g. Eisma, 1965; Pannella and MacClintock, 1968; Richardson et al., 1980). Several ecological characteristics such as: cosmopolitan distribution, high relative
abundance, sedentary lifestyle, easy collection, and/or long-lived shells, make bivalves ideal environmental recorders (Phillips, 1977; Shoults-Wilson et al., 2015). Furthermore, bivalve shells can provide high resolution long lasting environmental archives (Jones, 1983; Schöne, 2008). Bivalve shells grow forming periodical calcium carbonate accretions. The periodicity, size and geochemical composition of these accretions are controlled by both internal biological processes, sometimes termed "vital effects" (Urey et al., 1951), and a variety of external environmental factors (Jones, 1983; Gillikin et al., 2008; Yan et al., 2013). Variation in calcification rates are visible as periodical "growth lines" or "growth bands", creating a chronologically ordered record of environmental conditions during individual growth (Rhoads and Lutz, 1980; Wanamaker et al., 2008). Defining the growth band formation periodicity is important to determine population characteristics like growth rates, age frequency distribution and life span (Rhoads and Pannella, 1970; Ezgeta-Balić et al., 2011), and also to provide the temporal precision for environmental interpretation (Thompson et al., 1980; Schöne et al., 2004).

Growth rates and shell composition variability in bivalve shells are driven by internal vital effects such as ontogeny (Schöne et al., 2011), metabolic processes (Crenshaw, 1980) and external environmental variables such as temperature (Jones et al, 1989; Klein et al., 1996), salinity (Gillikin et al., 2006, 2008) and/or tidal regimes (Takesue and van Geen, 2004). This combination of factors can produce great variability in patterns of shell growth among species and even among populations of the same species (Jones and Quitmyer, 1996; Lazareth et al., 2003; Pavlov et al., 2015). For that reason, it is important to assess the potential correlation between local environmental variables and calcification rates or trace element composition individually for each population before using either of them as environmental proxies.

Callista disrupta is a common clam along the east coast of Australia from central Queensland to Tasmania (Atlas of Living Australia, 2016) and was the most abundant subtidal bivalve found in Sydney Harbour during our field collections in 2014-2015. Despite its apparent importance in the Australian molluscan community structure, the only published data available on this species currently are notes on geographical distribution and taxonomic characteristics in general molluscan catalogues (e.g. Marwick, 1938; Lamprell and Whitehead, 1992). This study examines the periodicity of internal growth line formation in C. disrupta, defines age, growth rate and structure of the population of Sydney Harbour, and to compares the growth patterns and environmental variables with trace element concentrations.

## METHODS

## Study Area and Sampling Description

Sydney Harbour is a submerged river valley with an area of $50 \mathrm{~km}^{2}$ and 27 km long that forms the natural harbor of Sydney, Australia (OzCoasts, 2015). Sydney is a city of $\sim 4.5$ million people and its catchment is heavily urbanized and industrialized (Birch, 2007; OzCoasts, 2015). The catchment area is relatively small ( $589 \mathrm{~km}^{2}$ ) with the Parramatta River as the main tributary (Fig. 1), and heavy rains can cause a temporary freshwater lens lasting several days during periods of high rainfall in the inner harbor while the outer part of the harbor is dominated by marine water conditions (Hutchings et al., 2013; OzCoasts, 2015). The grain size of the sediment in the sampling area is mainly medium to fine sand containing less than $2 \%$ of mud (Skene and Ryan, 2003).

Surficial sediment layers (top 0.2 m ) were collected from five locations (Delwood Beach, Watsons Bay, Sow \& Pigs Reef, Hunters Bay and Chinamans Beach) with comparable water depths ( $\sim 10 \mathrm{~m}$ ) and sedimentary characteristics during 2013-2014
(Table 1, Fig. 1). Samples were collected using quadrats ( $0.25 \mathrm{~m}^{2} \times 0.2 \mathrm{~m}$ ) and a diveroperated air-lift, and areas between 1 and $10.5 \mathrm{~m}^{2}$ were collected from each site depending on shell density (Table 1). Sediment samples were sieved to 8 mm fraction size and all living specimens of C. disrupta were separated and placed in open system aquariums. Additional information on the sampling methodology can be found in Dominguez et al., 2016.

## Callista disrupta

Callista disrupta (Iredale, 1924) (Bivalvia: Veneroida: Veneridae) shells can reach lengths up to 42 mm with deep concentric channels on the outside that form variable broad crests. The shells are densely patterned with white, beige and brown rays, while the interior is grey-white in colour (Fig. 2A) (Lamprell and Whitehead, 1992). The composition of the shell is entirely aragonitic as verified by electron backscatter diffraction analysis and comprises crossed lamellar microstructure (Agbaje et al., submitted). Callista live in sandy or muddy sediment, are suspension feeders and have short siphons associated with shallow burrowing habits (Ansel, 1961). There are currently no published data on age, growth or population structure for this species.

## Sclerochronology

A total of 30 living C. disrupta individuals were collected from Sydney Harbour during 2014-2015. Soft tissue was removed and shells were brushed clean and air dried. Clean shells were prepared for sclerochronological analysis following a modified version of the method used by Soldati et al., (2009). Shells were coated with Permapoxy 4-minute Multi Metal Epoxy (Permatex, Solon, OH, EUA) to prevent breakage during cutting. Two-millimetre wide slices were cut from each right valve using a low speed saw. The cut was perpendicular to the growth rings along the axis of maximum growth (Fig. 2A).

Shell slices were mounted on glass slides using Multi Metal Epoxy, then ground using sandpaper with $400,600,800$ and 1200 grit and polished using $3 \mu \mathrm{~m}$ and $1 \mu \mathrm{~m}$ diamond paste on a Kemett 3 automatic lapping and polishing machine. After polishing, internal growth bands were clearly visible in the shell cross section (Fig. 2B).

Polished shells were photographed using a Leica Stereomicroscope MZ FLIII with a DDC camera. Multiple photographs from each shell were auto-merged and contrastimproved using Adobe Photoshop. C. disrupta forms narrow annual bands in winter (Fig. 2B) as well as sharp daily growth lines (Fig. 3B). Daily micro-increments were counted in 10 shells using an electronic fluorescent microscope Leica DM5500 to validate the growth band periodicity (Fig. 3B). After validation of annual band growth formation, annual growth bands were counted, the year of birth was estimated for each individual and the age frequency distribution was calculated for the live-collected population.

To quantify shell growth, the distance between the umbo and the start of each growth band was measured using the Panopea® image processing software (developed by Peinl and Schöne, University of Frankfurt 2004). Since the distance was measured in relation to the shell height $(\mathrm{H})$, resulting data were transformed to shell length $(\mathrm{L})$ using the following equation $\left(\mathrm{N}=30\right.$ and $\left.\mathrm{r}^{2}=0.9851\right)$ :

$$
L=2.91+1.23 H
$$

The data obtained from the age-length relation were fitted to the Von Bertalanffy Growth (VBG) function expressed in the equation $L_{t}=L_{i n f}\left[1-\mathrm{e}^{-\mathrm{K}\left(\mathrm{t}-\mathrm{to}_{0}\right.}\right]$, where $L_{i n f}$ is the asymptotic maximum length, K is the Von Bertalanffy growth constant, t is age in years and $t_{0}$ is the length at time zero. Data were fitted to VBG function using the Fisheries Stock Assessment methods and data package for R (FSA, Ogle 2016), which uses the least square method for estimation of growth parameters. The maximum age or longevity
was calculated using the equation $T_{\max }=3 / \mathrm{K}$ (Pauly et al., 1980). An Overall Growth Performance index $\left(\mathrm{P}=\log \left(\mathrm{K} \times \operatorname{Linf}{ }^{3}\right)\right.$, Pauly et al., 1979) was applied to compare the growth parameters to data from other Callista species. Population density was defined as the average of the number of individuals collected, divided by the area sampled in $\mathrm{m}^{2}$ in each location. Relative abundance was calculated as the dry weight of the shells from $C$. disrupta specimens collected alive, divided by the total dry weight of the shells from every bivalve specimen collected alive.

## Laser Ablation ICP-MS Analysis

High resolution trace element analysis by LA-ICP-MS was carried out on two $C$. disrupta shells (CPL specimen numbers 20267 and 23880) using an Agilent 7700ce quadrupole ICP-MS fitted with a Photon Machines excimer laser (193 nm wavelength). Laser energy density was $4.06 \mathrm{~J} / \mathrm{cm}^{3}$ with a repetition rate of 5 Hz and helium as the carrier gas. The analysis was performed along a pre-ablated line of $30 \mu \mathrm{~m}$ width at a scan speed of $50 \mu \mathrm{~m} / \mathrm{s}$ along the centre of the outer prismatic layer of the shell section from the ventral margin towards the umbo (Fig. 3A). The analysis was carried with 60 s for background measurement and ${ }^{43} \mathrm{Ca}$ was used as internal standard. NIST SRM 610 glass was used as external standard with values taken from the GeoReM database (Jochum and Nehring, 2006), NIST SRM 612 and MACS (USGS) were used as secondary external reference materials and data reduction was performed using the software GLITTER 4.4 (Macquarie University, NSW, Australia). The isotopes analysed were ${ }^{26} \mathrm{Mg},{ }^{137} \mathrm{Ba}$ and ${ }^{88} \mathrm{Sr}$, detection limits ( $99 \%$ confidence) were $\mathrm{Mg}=0.154 \mu \mathrm{~g} / \mathrm{g}, \mathrm{Ba}=0.026 \mu \mathrm{~g} / \mathrm{g}, \mathrm{Sr}=$ $0.004 \mu \mathrm{~g} / \mathrm{g}$ and external reproducibility compared to NIST SRM 610 was between $10 \%$ and $15 \%$. All element concentrations are expressed as molar element/Ca ratios.

## Annual scale correlations (method \# 1)

Trace element profiles obtained from the shells sections representing the growth period from winter 2013 to winter 2014 were correlated with the daily water temperature data profile recorded during the same period. The Sydney Institute of Marine Science (SIMS) aquarium facility records the temperature of the water it uses from Sydney Harbour which is collected at 8 m depth in Chowder Bay. All of the sampling locations are within 2 km of SIMS and the water depth is comparable to the water depth at which the Callista used in this study were collected. Correlations were determined using the "Linage" function in AnalySeries (version 2.0). Consistent "tie-points" (6 points per shell) reflecting common features between the trace element profiles and the water temperature profile were user-defined, final re-scale trace elements profiles from both shells were averaged. The resulting time scaled profiles were correlated between shells to check for inter-shell variability and, finally they were averaged between shells.

The final correlations between averaged trace elements profiles and daily temperature produced trace element/Ca time series and were used to derive linear calibration equations. This approach is commonly used in the literature, however this method does not take into account sub-annual changes in calcification rates or, the subannual calcification rates are inferred indirectly from correlation between trace element or isotopes profiles with daily or seasonal variations in temperature (e.g. Freitas et al., 2005; Tynan et al., 2016). Direct measurement of daily growth lines is a less commonly used method (Goodwin et al., 2001; Lorrain et al., 2005) mainly because these lines are difficult to measure in many species. However, where possible, direct measurement of
sub-annual growth is a useful and precise tool to infer the effects of variations in calcification rates on trace elements.

## Sub-annual scale correlations (method \# 2)

A total of 256 micro-increments in shell CPL number 20267 and 257 microincrements in the shell CPL number 23880 analysed were measured in the fast growth section of the shells, representing the period from spring 2013 to autumn 2014. The maximum daily growth in both shells occurred on the day 91 suggesting that the microincrements in both shells represent the same time period. Trace element profiles from each shell were averaged by daily growth band, resulting profiles were correlated between shells to check for inter-shell variability and then data from both shells was averaged. Under the assumption that growth rates and calcification temperature are positively correlated, the total 257 shell micro increments were matched with the 257 days with the warmest water temperatures during the period from winter 2013 to winter 2014. The resulting paired dataset allowed assigning calendar dates to the daily microincrements, indicating that the 257 micro-increments measured represented the period from the 25th of September 2013 to the 23rd of June 2014.

The trace element ratios obtained per each daily increment were correlated with the corresponding daily water temperature to derive calibration equations. Additionally, correlations between daily averaged trace element ratios and daily growth rates were also estimated and calibration equations were derived. Finally, a multiple linear regression was applied between trace elements data and both water temperature and daily growth.

## Ba/Ca Peaks and Riverine Influx

To evaluate if a sudden increase in riverine input may produce sudden $\mathrm{Ba} / \mathrm{Ca}$ peaks in C. disrupta shells, a third shell collected in May 2015 (CPL number 23878) was
analysed using LA-ICP-MS. This shell was collected one month after a strong storm hit the study area provoking intense floods and an unusual rise in different tributaries, rivers and creeks around Sydney Harbour (Dakin, et al., 2015). The $\mathrm{Ba} / \mathrm{Ca}$ profile obtained from the section of the shell between the last annual growth band (winter 2014) and the edge of the shell (May 2015 day of collection) was aligned with the daily Parramatta river level profile for the same period (data retrieved from The Department of Primary Industries NSW, Office of Water, 2016).

## RESULTS

## Annual Growth Band Validation

C. disrupta shell cross sections showed growth bands visible as narrow dark sections of slow growth separated by broader lighter sections of fast growth periods (Fig. 2B). Sharp annual growth lines were not observed. Daily micro-growth increments with sharp growth lines are easily visible in the outer layers of the shell (Fig. 3B). The microgrowth increments gradually narrow towards the annual growth band, which is also accompanied by a groove in the surface of the shell. Shell growth shows marked seasonality: the slow growth period starts at the beginning of austral winter (May-June), and extends until spring (September) (Fig. 4). Most of the shells collected during winter showed a growth band forming at the ventral margin of the shell. No shell collected in October, only one shell collected in February (20 \%) and one other collected in March (20 \%) had a growth band at the ventral margin.

The annual periodicity of growth bands was supported by the number of shell micro-increments between annual growth bands (median $=265 \pm 8, \mathrm{n}=10$ ), which we interpret as daily growth lines because their number is similar to the number of days between the beginning of spring and the end of autumn ( $\sim 273$ days). If these 265 growth
lines record the 265 warmest days of the year, then daily growth lines correspond to the period when the water temperature was above $\sim 18{ }^{\circ} \mathrm{C}$. The other 100 days of the year, coinciding with the winter period, are recorded as an undifferentiated band of slower growth, or annual growth band.

## Population Structure. Age and Growth

Based on the number of annual growth marks, the population of C. disrupta in Sydney Harbour ranges between 1 and 7 years in age with a median age of 2.5 years. The year of recruitment for each shell was calculated based on the number of annual growth bands (age) and date of collection. Also, seven living C. disrupta juvenile individuals (younger than one year) collected in the area were added to the age frequency distribution but not used for other sclerochronological analyses in this study. The resulting frequency distribution was bimodal covering the period 2009 to 2015 with the most successful recruitment events occurring during 2011 and 2015 (Fig. 5). The Von Bertalanffy Growth (VBG) curve parameters calculated based on the age-length data showed a maximum asymptotic length $\left(L_{\mathrm{imI}}\right)$ of 44.47 mm and a growth rate $(\mathrm{K})$ of 0.33 mm per year, the VBG curve equation is expressed as:

$$
L_{t}=44.47\left[1-\mathrm{e}^{-0.33(\mathrm{t}-0.49)}\right]
$$

The graphical representation of the VBG curve showed an exponential reduction in annual shell growth with fast growth in the first three to five years of life followed by progressively smaller annual increments (Fig. 6). The rate of annual growth declined significantly from a calculated growth of $\sim 17 \mathrm{~mm}$ in shell length during the first year to only $\sim 2 \mathrm{~mm}$ per year from year five onward (Fig. 6). The maximum longevity for this population calculated using the Pauly et al. (1980) equation is 9 years old ( $T_{\max }=3 / 0.33$ )
and the overall growth performance index $P$ for this population is $4.46\left(P=\log _{10}(0.33 \mathrm{x}\right.$ $\left.44.47^{3}\right)$ ).

## Seasonal Trace Element Signals

The trace element profiles analysed showed strong seasonal cycles (Fig. 7), with lower values during winter and higher values during the rest of the year. These seasonal changes were stronger in $\mathrm{Mg} / \mathrm{Ca}$ and $\mathrm{Ba} / \mathrm{Ca}$ profiles with median seasonal values more than twice as high during summer than during winter, while $\mathrm{Sr} / \mathrm{Ca}$ profiles present a similar trend but the seasonality was significantly less marked (Fig. 8).

## Annual scale correlations (method \# 1)

Correlation between the daily trace elements profiles obtained from both shells using this method varied depending on the trace element compared. $\mathrm{Mg} / \mathrm{Ca}$ ratios were highly correlated $(r=0.7)$ while the other two elements analysed $(\mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca})$ were moderately correlated ( $\mathrm{r}=0.58$ and $\mathrm{r}=0.42$ respectively). The averaged $\mathrm{Mg} / \mathrm{Ca}$ profile obtained from the section of the shells representing the last seasonal cycle (period winter 2013 to winter 2014) showed a strong positive correlation with the daily water temperature profile ( $\mathrm{r}=0.81$, Fig. 9). This correlation produced an $\mathrm{Mg} / \mathrm{Ca}$ time series which transferred to the other two trace element profiles. In all three trace element profiles the relationship between daily trace element concentration and water temperature were significant, linear and positive (Table 2). The coefficients of determination ( $\mathrm{r}^{2}$ ) varied among trace elements, the highest $r^{2}$ was obtained for the $\mathrm{Mg} / \mathrm{Ca}$ - water temperature linear equation $\left(r^{2}=0.66\right)$ followed by $\mathrm{Ba} / \mathrm{Ca}$ - water temperature $\left(\mathrm{r}^{2}=0.56\right)$ and $\mathrm{Sr} / \mathrm{Ca}$ - water temperature $\left(\mathrm{r}^{2}=0.42\right)$. Calcification processes in C. disrupta shells reduced considerably, forming growth bands, when water temperature decreased below $\sim$ $18{ }^{\circ} \mathrm{C}$, similarly the $\mathrm{Mg} / \mathrm{Ca}$ ratios also decreased with reduced temperatures, but reached
minimum values at $18.5-19{ }^{\circ} \mathrm{C}$ and remained relatively stable throughout winter. For this reason, the linear equation relating $\mathrm{Mg} / \mathrm{Ca}$ ratios and water temperature for this species is only informative for water temperatures above $\sim 18.5^{\circ} \mathrm{C}$.

## Sub-annual scale correlations (method \#2)

Correlations between trace element profiles from both shells were similar to method \# $1(\mathrm{Mg} / \mathrm{Ca}, \mathrm{r}=0.64, \mathrm{Ba} / \mathrm{Ca}, \mathrm{r}=0.54$, and $\mathrm{Sr} / \mathrm{Ca}, \mathrm{r}=0.44)$ showing that intershell variability was not significantly affected by the method used. The linear relationships between daily trace element concentration (per micro-increment) and water temperature were significant, positive and defined by linear equations (Table 2). Remarkably, all the slopes obtained in these linear equations were lower than those from the method \# 1, also the $\mathrm{r}^{2}$ values were markedly lower $\left(\mathrm{Mg} / \mathrm{Ca}\right.$ - water temperature $\left(\mathrm{r}^{2}=\right.$ $0.44)$ followed by $\mathrm{Ba} / \mathrm{Ca}$ - water temperature $\left(\mathrm{r}^{2}=0.28\right)$ and $\mathrm{Sr} / \mathrm{Ca}$ - water temperature $\left(\mathrm{r}^{2}\right.$ $=0.28)$.

The relationship between daily growth and the trace element profiles were analysed and in these cases logarithmic, rather than linear equations, explained better the relationship between trace element/Ca ratios and growth rates. The $r^{2}$ values were significantly higher for the $\mathrm{Mg} / \mathrm{Ca}$ - daily growth logarithmic equation $\left(\mathrm{r}^{2}=0.40\right)$ than for $\mathrm{Ba} / \mathrm{Ca}$ - daily growth and $\mathrm{Sr} / \mathrm{Ca}$ - daily growth logarithmic equations which were very low $\left(r^{2}=0.27\right.$ and $r^{2}=0.21$ respectively, see Table 2 ). Notably, multiple regression analyses between the trace element profiles and both variables (water temperature, daily growth), derived calibration equations with determination coefficients ( $\mathrm{r}^{2}$ ) significantly higher $\left(\mathrm{Mg} / \mathrm{Ca} \mathrm{r}{ }^{2}=0.56, \mathrm{Ba} / \mathrm{Ca}^{2}=0.33, \mathrm{Sr} / \mathrm{Ca} \mathrm{r}^{2}=0.36\right)$ than those obtained from simple linear regressions with water temperature and daily growth individually (Table 2).

## Ba/Ca Peak vs Riverine Input

The $\mathrm{Ba} / \mathrm{Ca}$ ratio profile obtained from shell CLP number 23878 and the daily changes in the Parramatta River levels in winter 2014 - May 2015 were aligned using the last winter period and the day of capture as tie-points. The daily river stage increased suddenly more than five times its annual average level during the massive storm occurred around the 21th of April 2015, which correlated well with a high peak of about five times the average of $\mathrm{Ba} / \mathrm{Ca}$ near the shell edge collected on May 2015 (see Fig. 11).

## DISCUSSION

## Seasonal Growth Band Formation

Dark growth bands in C. disrupta sampled from Sydney Harbour are formed during annual slow growth periods between May and the end of autumn (Fig. 4). These slow growth bands alternate with fast growth periods characterized by wider micro increments that are deposited during spring, summer and autumn. Similar seasonality in growth patterns has been reported in closely related species like Callista chione from UK (Forster, 1981), Portugal (Moura et al., 2009) and the Mediterranean (Hall et al., 1974; Leontarakis and Richardson, 2005; Ezgeta-Balić et al., 2011) and Callista brevisiphonata from the Sea of Japan (Selin and Selina, 1988; Selin, 2016).

Among populations of $C$. chione the timing of growth band formation is variable. For example, Moura et al., (2009) and Leontarakis and Richardson (1988) reported annual growth band formation in a C. chione population of western Portugal and the Thracian Sea in Greece occurring in autumn and winter coinciding with the decrease in sea temperatures, while Hall et al. (1974), and Ezgeta-Balić et al (2011) found that in the Adriatic Sea this species' annual growth bands form during summer and spring when sea temperatures reach maximum values. Differences among the timing of band formation
have also been reported in other venerid bivalve species. For example, Chamelea gallina populations from southern Portugal (Gaspar et al., 2004) and the Marmara Sea (Deval, 2001) produced annual growth bands in winter but populations in the western Mediterranean form annual bands in summer (Ramon, 1992). Similarly, populations of Mercenaria mercenaria from higher latitudes along the east coast of the U.S form growth bands in winter, while at lower latitudes these bands are formed during summer (Jones and Quitmyer, 1996).

Changes in growth increments in bivalve shells have been related to biological and metabolic processes (e.g. Leontarakis and Richardson, 1988; Sato, 1995) and a variety of external environmental factors like sea water temperature, salinity and tides (e.g, Koike, 1980; Jones et al., 1989; Schöne et al., 2002, 2004; Brocas et al., 2013; Bušelić et al., 2015). Despite the variety of possible factors influencing timing of growth band formation, the main factor driving these changes in shell growth is typically seawater temperature (Goodwin et al., 2001).

## Population Structure

C. disrupta composed $\sim 80 \%$ of the bivalves collected alive during our sampling of outer Sydney Harbour. Despite its dominance in the area, the vast majority ( $\sim 86 \%$ ) of C. disrupta specimens collected during two years of sampling were 3 years old or younger. Bivalve populations dominated by very young individuals have been reported in areas exposed to strong fishing pressure (e.g. Leontarakis and Richardson, 1988; Laudian et al., 2003; Baeta et al., 2014; Yang et al., 2016). However, this species is not commercially exploited and any commercial fishing in Sydney Harbour has been banned for the last 10 years (see Hedge et al., 2014). It is more likely that the relative absence of older individuals in this population reflects a recent expansion of $C$. disrupta in the area.

Populations characterized by low frequencies of large adults and high frequencies of young individuals have indeed been reported in bivalves following geographic expansion (Hebert et al., 1989; Smith et al., 1993). This hypothesis is also supported by the low abundance of $C$. disrupta shells found in the surficial death assemblage, only representing $\sim 2 \%$ of the total of dead shells collected. The strong difference between the percentage of living animals ( $80 \%$ of the total bivalves collected) and the percentage of dead shells ( $\sim 2 \%$ ) suggest a recent change in the structure of the benthic community. The surficial death assemblage in Sydney Harbour preserved shells between 100 - 200 years old (Dominguez et al. 2016) suggesting that the increase in C. disrupta has occurred within the last 100 years. There is strong evidence of heavy industrial and chemical contamination in the harbor area, mainly during the 1950's to 1970 's before the Clean Water Act (1970 NSW) enforced new management politics in chemical waste (Birch et al., 2007; McGareth, 2012). The most abundant species found in surficial death shell assemblages (Fulvia tenuicostata) was represented by only a few live individuals, while C. disrupta appears to have become the dominant species within the last hundred years.

The year of recruitment of this population suggested a bimodal pattern with peaks of recruitment in the years 2015 and 2011 (Fig. 5). However, the low numbers of individuals collected only permit a rough approximation of the population structure of this species in outer Sydney Harbour. This interannual difference in recruitment success has been reported for several bivalve populations, showing that different bivalve species living in areas affected by similar environmental conditions often displayed synchronic peaks in frequent recruitment success (Beukema et al. 1993, 2001). Although the mechanisms driving this variation in recruitment still are not clear, it has been shown that years with high recruitment are often characterized by stronger winters while poor frequent recruitment years are often associated with mild winters (see references in

Beukema et al. 2001 and in Strasser et al. 2003). Beukema et al. (2014), proposed that the relationship between winters strength and recruitment success is driven by the negative effect of colder winters on the abundance of bivalve predators like crabs and shrimps. Although we do not have water temperature data prior 2013 in this study, air data temperatures for the area covering the period 2010 to 2015 (Australian Bureau of Meteorology, 2017), showed that the coldest winters in the area for this period were in 2011 and 2105 matching the peaks in C. disrupta recruitment. Whatever the reason behind this relationship between winter strength and recruitment success, it is clear that it is a likely explanation for the changes in annual recruitment success of this species in Sydney Harbour.

## Age and Growth

The VBG curve fit for the C. disrupta population of Sydney Harbour indicates that this population grows relatively fast during the first 3 to 5 years, then notably slows in later years (Fig. 6). This pattern of growth is similar to that observed in other species of Callista (Forster, 1981; Leontarakis and Richardson, 1988; Maura et al., 2009; EzgetaBalić et al., 2011). However, the asymptotic length calculated for this population $\left(L_{\mathrm{inf}}=\right.$ 44.47 mm ) and the life span ( $\mathrm{T}_{\max }=9$ years) are notably lower than for other populations of C. chione and C. brevisiphonata (Table 3). The Bertalanffy growth coefficient ( $\mathrm{K}=$ 0.33 ) is the highest among the three species (Table 3). The overall growth performance index $(P)$ which is a correlation between the asymptotic length $\left(L_{\mathrm{inf}}\right)$ and the growth rate $(\mathrm{K})$ is commonly used to compare growth efficiency among populations. In this case the $P$ calculated for $C$. disrupta $(P=4.46)$ was the lowest among the three species (Table 3). These results may be influenced by the strong dominance of very young individuals in this $C$. disrupta population, this would explain why $P$ is more similar to the overfished $C$.
chione populations studied by Leontarakis and Richardson (1988) than to the other Callista populations compared in Table 3.

Comparatively, Selin (2016) described high variability in growth rates and asymptotic length among populations of C. brevisiphonata along the Russian coast of the Sea of Japan. This variability was correlated with factors like latitude, depth, proximity to the coast and the type of substratum (Selin, 2016). Also, C. chione showed high lifespan variability among populations of the Eastern Mediterranean, ranging from < 20 years old (Mataxatos, 2004; Leontarakis and Richardson, 2005) to $\sim 44$ years old (Ezgeta-Balić et al., 2011). In the case of Callista differences in growth parameters seem more related to local conditions than to species characteristics.

## Seasonal Variability in Shell Composition

$\mathrm{Mg} / \mathrm{Ca}, \mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca}$ profiles in C. disrupta shells showed seasonal variation, reaching higher values in sections of rapid shell growth during spring to autumn and lower values in the periods of annual growth band formation during winter (Fig. 8). These results support the annual periodic formation of growth bands in this species as similar seasonal changes in trace elements composition have been reported in several species of bivalves (e.g Stecher et al., 1996; Toland et al., 2000; Elliot et al., 2009; Soldati et al., 2009). Seasonal, daily or tidal changes in trace element concentration have been used as proxies for different environmental variables in several bivalve species (Richardson et al., 2004; Gillikin et al., 2008; Yan et al., 2013). However, the biomineralization process in bivalves by which trace elements are incorporated into the shell is not well understood and the high interspecific variability of results can make the environmental interpretation challenging (for a review see: Schöne and Galliki, 2013; Yan et al., 2014; Thomas, 2015). Some authors have proposed that underlying metabolic processes, calcification rates and
ontogeny have a strong effect in trace element integration rates into the shell, independent of environmental variables or the concentration of dissolved trace elements in the surrounding water (Gillikin et al., 2005; Carré et al., 2006; Schöne et al., 2011; Poulain et al., 2015). Here we evaluated the potential of these trace elements as proxies for water temperature.

These results are based on the analysis of two specimens and inter-specimen variations are not fully assessed in this study. However, several other important studies on stable isotopes and trace elements in bivalves base their results and conclusions on the analyses of similarly small number of specimens (e.g. Freitas et al., 2005; Gillikin et al., 2005; Carré et al., 2006; et al., 2015). Geochemical methods that were originally designed for small sedimentary samples (normally measured in micrometres) rather than the large samples (normally several centimetres) needed for sclerochronological studies are a key factor contributing to high costs. This study is not unusual in having budgetary constraints, which increase the uncertainty (uncertainty values are clearly indicated in all calibration equations derived) of all statistical treatments and correlations discussed in this Chapter. The majority of studies using these methods assume a high degree of interspecimen homogeneity that cannot be statistically proven and for this reason I suggest caution in their interpretation.

## Water temperature - Trace Element/Ca Correlation

Profiles of the three trace elements/Ca ratios $(\mathrm{Mg} / \mathrm{Ca}, \mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca})$ in the two shells of $C$. disrupta showed a significant positive correlation with daily changes in water temperature. The two methods used in this study to explain the relationship between trace element shell composition and daily water temperature support these results. However, when variation in daily calcification rates were taken into account (method \# 2), the
correlation the three trace elements analysed $(\mathrm{Mg} / \mathrm{Ca}, \mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca})$ and water temperature became significantly weaker. Linear equations derived from these correlations showed lower slopes in the linear correlations obtained using method \# 2 (Table 2). These results suggest that method \# 1 exaggerates the effect of water temperature on trace element concentration within C. disrupta shell, as sub-annual calcification rates measures are not taken into account (see Fig. 12). Also, the $r^{2}$ values (which describe the proportion of variation of the trace element ratio that can be predicted by water temperature) reduced significantly when daily calcification rates were taken into account in method \# $2(\mathrm{Mg} / \mathrm{Ca}$ - water temperature (from 0.66 (method \# 1) to 0.44 (method \# 2)), $\mathrm{Ba} / \mathrm{Ca}$ - water temperature ( 0.56 (method \# 1) to 0.28 (method \# 2)) and Sr /Ca - water temperature $(0.42(\operatorname{method} \# 1)$ to $0.28(\operatorname{method} \# 2))($ see Table 2$)$.

The differences between the results using both methods suggest a significant role of calcification rates on the variation of trace elements concentration in C. disrupta shells: This relationship has been proposed before by other authors, even suggesting that calcification rates are the main factor driving trace metal incorporation in bivalves (Lorrain et al., 2005; Carré et al., 2006; Schöne et al., 2011). It is relevant that I am comparing time series and, it is possible that a time lag between the moment that trace element are integrated into the shell and the external change in temperature affected our results. This would be more notable in the method \# 2 where the trace element composition from one daily growth would easily pass to the next daily growth section due to this temporal lag. However, temperature under normal circumstances changes gradually, which would reduce notably the effect of possible time lags.

In C. disrupta, the relationship between the trace element concentration and daily growth rate were better explained when the data were log transformed (Table 2, Fig. 13). A similar logarithmic correlation between daily growth rate and trace element
concentration has been described in arctic cockles Serripes groenlandicus and Ciliatocardium ciliatum (Vihtakari et al., 2017). These equations showed a significant positive relationship between trace element concentration and daily growth rate however, the determination coefficients were relatively low $\mathrm{r}^{2}<0.40$ for the three studied elements in the C. disrupta shells. This result suggests that only $40 \%$ or less ( $40 \%$ of $\mathrm{Mg} / \mathrm{Ca}, 27$ \% of $\mathrm{Ba} / \mathrm{Ca}$ and 21 \% of $\mathrm{Sr} / \mathrm{Ca}$ ) of the trace element variation can be explained by changes in daily calcification rate. A multiple regression using water temperature and daily growth improved these percentages significantly, both variables explain up to $56 \%$ of the $\mathrm{Mg} / \mathrm{Ca}$ variation, $36 \%$ of the $\mathrm{Ba} / \mathrm{Ca}$ variation and $33 \%$ of the $\mathrm{Sr} / \mathrm{Ca}$ variation (Table 2). This strong improvement in $\mathrm{r}^{2}$ values suggests that not just one parameter such as the calcification rate, but rather, both water temperature and calcification rate play significant roles explaining variations in trace element concentration in shells of $C$. disrupta. However, even taking into account both variables (temperature and calcification rates) only about half of the $\mathrm{Mg} / \mathrm{Ca}$ variation can be explained. This result suggests that there are other (unknown) biological variables partially controlling trace element incorporation processes in this species.

## Mg/Ca ratios variability

There is a strong seasonality in $\mathrm{Mg} / \mathrm{Ca}$ ratios in C. disrupta with median values twice as high in spring to autumn than in winters (Fig. 8). The use of $\mathrm{Mg} / \mathrm{Ca}$ ratio as a water temperature proxy in bivalve shells is controversial. While some studies have found strong vital and species-specific effects determining the variation in $\mathrm{Mg} / \mathrm{Ca}$ in bivalves (Freitas et al., 2006; Wanamaker et al., 2008; Schöne et al., 2011, Bougeois et al., 2016), several other studies have found strong correlations between $\mathrm{Mg} / \mathrm{Ca}$ and water temperature (e.g. Klein et al., 1996; Vander Putten et al., 2000; Freitas et al., 2012). Conversely, this correlation varied strongly among species with some species like Pinna
nobilis and Saccostrea glomerata showing a positive correlation (Klein et al., 1996; Freitas et al., 2005; Surge et al., 2008), whereas others such as Arctica islandica displayed a negative correlation (Schöne et al., 2011) and in some cases, like in Pecten maximus, this correlation may change from positive to negative in different seasons of the year (Freitas et al., 2006).

In C. disrupta, $\mathrm{Mg} / \mathrm{Ca}$ ratio had the strongest correlation between shells showing low inter-shells variability and with water temperature (compared with $\mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca}$ ) using the two methods described in this study. The coefficient of determination derived from linear regressions between these two variables showed that water temperature can explain 66 \% (method \# 1) and $44 \%$ (method \# 2, taking into account daily growth) of $\mathrm{Mg} / \mathrm{Ca}$ variability. Although several studies (11 species in 12 studies) were reported to have significant linear regressions between $\mathrm{Mg} / \mathrm{Ca}$ and water temperature, the correlation values are extremely variable (see Fig. 14). It is important to note that the mineralogical composition of the shell influences $\mathrm{Mg} / \mathrm{Ca}$ ratio, as Mg uptake into calcite is much higher than into aragonite (De Choudens-Sanchez and Gonzalez, 2009), which results in very low $\mathrm{Mg} / \mathrm{Ca}$ ratios for the three aragonite species $C$. disrupta, $S$. groenlandicus and $C$. ciliatum in Fig. 14.

Apart from mineralogy, several factors that may play a role in the $\mathrm{Mg} / \mathrm{Ca}$ variability, for example the organic matrix in bivalve shells containing Mg affects the reliability of this correlation (Klein et al., 1996; Takesue et al., 2004; Schöne et al., 2010). Salinity also appears to play a role, as experiments at low salinities have shown to improve the correlation between $\mathrm{Mg} / \mathrm{Ca}$ and water temperature (Wannamaker et al., 2008). As outlined above, calcification rates have an important effect on $\mathrm{Mg} / \mathrm{Ca}$ (e.g. Carré et al., 2006; Schöne et al., 2011; Vihtakari et al., 2017). Lastly, growth rates may vary among populations, locations and individuals which may explain, at least in part, the
high inter-specific $\mathrm{Mg} / \mathrm{Ca}$ variation. Finally, and maybe a relevant factor to take into account, is the high intra-shell variability reported for $\mathrm{Mg} / \mathrm{Ca}$ ratios in Pecten maximus and Mytilus edilus (Freitas et al., 2009, 2012), these studies reported that $\mathrm{Mg} / \mathrm{Ca}$ ratios in the external calcitic layer of these shells are highly variable and not appropriate to be used as water temperature proxies, while the internal layer in $P$. maximus seems to be more reliable. This conclusion has to be taken into account to standardize a protocol for trace metal sampling in bivalve shells, specifying the ideal layer to be sampled to improve consistency in these types of studies. Despite the strong biological control and high variability of $\mathrm{Mg} / \mathrm{Ca}$ ratios in bivalve shells, it is evident that there is a significant linear correlation with water temperature, which makes it potentially a promising proxy for water temperature, subject to further research into sources of interspecific and intra-shell variability.

## Ba/Ca ratio variability

$\mathrm{Ba} / \mathrm{Ca}$ ratios in $C$. disrupta showed similar patterns to $\mathrm{Mg} / \mathrm{Ca}$, presenting synchronous sub-annual peaks in many sections (Fig. 7). Ba/Ca ratios in bivalves are usually characterized by a background signal of low values interrupted by sharp peaks of markedly higher values (Vander Putten et al., 2000; Gillikin et al., 2008; Barats et al., 2009; Thébault et al., 2009). The origin of these peaks is controversial; authors relate them to freshwater influx (Gillikin et al., 2006; Risk et al., 2010), upwelling (Hatch et al., 2013) and/or phytoplankton blooms (Stecher et al., 1996; Thébault et al., 2009). However, these peaks have proved to be synchronous among individuals of different ages within the same population, indicating that they are driven by an external environmental force (DeLong et al., 2007; Gillikin et al., 2008; Marali et al., 2015, Marali et al., 2016) rather than metabolic effects. In the shell of C. disrupta in this study peaks of $\mathrm{Ba} / \mathrm{Ca}$ concentration were absent along the shell, potentially indicating a lack of
increased influx of terrestrial sediment and/or phytoplankton blooms in the study area in the period 2013-2014. The Ba/Ca ratios in C. disrupta were markedly low (0 to $\sim 0.03$ $\mathrm{mmol} / \mathrm{mol}$ ) which is not uncommon in modern bivalves (Gillikin et al., 2006, 2008). The background signal of $\mathrm{Ba} / \mathrm{Ca}$ has been inversely correlated with salinity gradients (Gillikin et al., 2006, 2008; Poulain et al., 2015; Izzo et al., in press). Unfortunately, no time series of directly measured salinity data are available for the study area, and consequently, we cannot assess its effect on the $\mathrm{Ba} / \mathrm{Ca}$ ratio in $C$. disrupta.
$\mathrm{Ba} / \mathrm{Ca}$ ratios have a moderate correlation between shells demonstrating important inter-shell variability that has to be taken into account when using this element as a palaeoclimate proxy. Also, $\mathrm{Ba} / \mathrm{Ca}$ ratios show a positive correlation with water temperature by both methods used, with $\mathrm{r}^{2}$ values of 0.56 and 0.28 respectively. $C$. disrupta shells agree well with the predicted positive correlation of $\mathrm{Ba} / \mathrm{Ca}$ and water temperature from laboratory experiments using inorganic aragonite (Dietzel et al., 2014). However, in general, the relationship of $\mathrm{Ba} / \mathrm{Ca}$ to water temperature in bivalve shells is not clear: several studies on different bivalve species did not find a significant correlation between these two variables (e.g. Carré et al., 2006; Izumida et al., 2011; Hatch et al., 2013; Vihtakari et al., 2017) and other studies gave inconsistent results: Carson (2010) reported a significant positive correlation in Ostrea lurida only during one year of his study, while Marali et al. (2015) reported a significant correlation in Arctica islandica only in one out of four sampling sites.

While $\mathrm{Ba} / \mathrm{Ca}$ ratios also show a significant logarithmic relationship with calcification rates in this species, similar relationships have been described for other aragonitic bivalves (Carré et al., 2006; Vihtakari et al., 2017). The logarithmic equation that explains the relationship $\mathrm{Ba} / \mathrm{Ca}$ - growth rate in $C$. disrupta has a coefficient of determination ( $\mathrm{r}^{2}=0.27$ ), growth rates explain $\sim$ one-third of the variation of $\mathrm{Ba} / \mathrm{Ca}$ in $C$.
disrupta. A multiple regression between $\mathrm{Ba} / \mathrm{Ca}$ with water temperature and daily growth rate improved $\mathrm{r}^{2}$ values by $\sim 9 \%$ compared with separate simple regressions (Table 2). In C. disrupta only one third of the variation of $\mathrm{Ba} / \mathrm{Ca}$ appeared to be controlled by water temperature and calcification rates, suggesting that there are other major environmental and/or metabolic processes affecting the rate of incorporation of $\mathrm{Ba} / \mathrm{Ca}$ ratios in $C$. disrupta shells.

The lack of unusually high $\mathrm{Ba} / \mathrm{Ca}$ peaks in the $C$. disrupta shell analysed prevented us from making inferences about the origin of this common feature found in bivalve shells. In view of this, a C. disrupta shell CPL number 23878 was collected in May 2015 and the $\mathrm{Ba} / \mathrm{Ca}$ profile analysed. Unlike the shells collected in 2014 (CPL numbers 20267 and 23880), this shell preserved a sudden peak in $\mathrm{Ba} / \mathrm{Ca}$ about five times higher than the average $\mathrm{Ba} / \mathrm{Ca}$ value found in this shell or in the other shells analysed. After alignment with the Parramatta river daily level profile for the same period (Fig. 11). A direct relationship became obvious between this $\mathrm{Ba} / \mathrm{Ca}$ peak and a sudden freshwater pulse entering the harbour as indicated by a river level up to five times its annual average due to a large storm that hit the area (23 April 2015). Freshwater and terrestrial sediment typically have significantly higher concentrations of Barium than seawater (Schroeder et al., 1972). In fact, in corals, $\mathrm{Ba} / \mathrm{Ca}$ peaks are reliable proxies for terrestrial influx (Sinclair et al., 2004; Fleitman et al., 2007; Prouty et al., 2010). However, the origin of these peaks in bivalves is more confusing as evidence between studies is conflicting (see Gillikin et al., 2008 for a complete discussion). Our results support the idea that in C. disrupta, and possibly in other estuarine bivalves, these peaks can be explained by a strong increase in riverine influx akin to the pattern typically seen in corals.

## Sr/Ca variability

$\mathrm{Sr} / \mathrm{Ca}$ ratios measured in C. disrupta range between $\sim 1 \mathrm{mmol} / \mathrm{mol}$ and 13 $\mathrm{mmol} / \mathrm{mol}$. However, seasonality of this change was weak showing strong variation during the rapid shell growth in summer (Fig. 9). The median $\mathrm{Sr} / \mathrm{Ca}$ ratios in spring to autumn was higher than in winter, although this difference was notably small ( $\sim 1$ $\mathrm{mmol} / \mathrm{mol}$ ) compared with the total variation along the shell ( $\sim 11 \mathrm{mmol} / \mathrm{mol}$ ) (Fig. 8). Despite extensive efforts to establish $\mathrm{Sr} / \mathrm{Ca}$ ratios as a proxy for temperature in bivalves, results have been inconclusive (Yan et al., 2013). Some authors have found that biological processes such as calcification rates and ontogeny play an important role in the variation of $\mathrm{Sr} / \mathrm{Ca}$ in bivalves (Gillikin et al., 2005; Lorrain et al., 2005; Schöne et al., 2011).
$\mathrm{Sr} / \mathrm{Ca}$ profiles showed poor correlations between shells with the highest inter-shell variability among the three elements analysed. Also, linear regressions between $\mathrm{Sr} / \mathrm{Ca}$, water temperature and growth rates show the weakest coefficients of determination in both methods used in this study $\left(\mathrm{r}^{2}=0.28\right.$ and 0.21 respectively). Although $\mathrm{Sr} / \mathrm{Ca}$ ratios were significantly positive correlated with water temperature, variation in water temperature only accounts for < $28 \%$ of variability in $\mathrm{Sr} / \mathrm{Ca}$ independent of the method used. Also, $\mathrm{Sr} / \mathrm{Ca}$ presented a significant logarithmic relationship with growth rates but again only $21 \%$ of its variability can be explained by growth rate. Even after a multiple regression was applied with both water temperature and growth rate the $r^{2}$ values remained low ( $r^{2}=0.33$ see Table 2 ). In C. disrupta $\mathrm{Sr} / \mathrm{Ca}$ ratios are extremely variable among shells, and within the same shell and there is a weak correlation with the variables measured, suggesting that there are underlying environmental or metabolic processes other than calcification rates or water temperature strongly affecting the concentration of $\mathrm{Sr} / \mathrm{Ca}$ in this species.

## CONCLUSION

Collecting molluscan biological and biochemical information is not only commercially important; bivalves can also be reliable bioarchives for the current and historical status of the benthic marine communities and important archives of historical changes in environmental conditions. We found that the population of $C$. disrupta has the potential to be used as a bioindicator of recent human impact as well as a reliable high resolution palaeoenvironmental tool for historical environmental reconstruction. However, further research on the effects of biological processes in the accumulation of trace elements in bivalve shells is necessary for an accurate paleoclimate interpretation. In Australia there is a lack of basic information of subtidal bivalves which may be driven by the lack of commercial interest in the particular species. This research will contribute to closing this gap with a comprehensive study in the age, growth, and population structure and shell elementary composition of $C$. disrupta, a bivalve that has become the most common bivalve in the sandy subtidal sediment of outer Sydney Harbour.

## REFERENCES

Agbaje, O.B.A., Thomas, D.E., Dominguez, J.G., Mclnerney, B.V., Kosnik, M.A. And Jacob D.E. (Submitted), The organic macromolecules in bivalves shells with crossed lamellar microstructure: Material Science and Engineering C.

Ansell, A.D., 1961, The Functional Morphology of the British Species of Veneracea (Eulamellibranchia): Journal of the Marine Biological Association of the United Kingdom, v. 41, p. 489-517, doi: doi:10.1017/S0025315400024012.

Atlas of Living Australia: Australia's species: Callista disrupta HTTP://BIE.ALA.ORG.AU/SPECIES/URN:LSID:BIODIVERSITY.ORG.AU:AFD.TAXON:D43F BF93-15D4-4470-8426-A76CEA149265 Checked on September 2016.

Australian Bureau of Meteorology: Climate data Online: Data services: Watsons Bay location: Bureau Station: Sydney Harbour (Wedding Cake West). http://www.bom.gov.au/jsp/ncc/cdio/weatherData/av?p_nccObsCode=36 \&p_display_type=dataFile\&p_startYear=\&p_c=\&p_stn_num=066196. Checked on April 2017.

Baeta, M., Ramón, M., and Galimany, E., 2014, Decline of a Callista chione (Bivalvia: Veneridae) bed in the Maresme coast (northwestern Mediterranean Sea): Ocean \& Coastal Management, v. 93, p. 15-25, doi: http://dx.doi.org/10.1016/j.ocecoaman.2014.03.001.

Barats, A., Amouroux, D., Chauvaud, L., Pécheyran, C., Lorrain, A., Thébault, J., Church, T., and Donard, O.F., 2009, High frequency Barium profiles in shells of the Great Scallop Pecten maximus: a methodical long-term and multi-site survey in Western Europe: Biogeosciences, v. 6, p. 157-170.

BEUKEMA, J.J., 1993, Increased mortality in alternative bivalve prey during a period when the tidal flats of the Dutch Wadden Sea were devoid of mussels: Netherlands Journal of Sea Research, v. 31, p. 395-406, doi: http://dx.doi.org/10.1016/0077-7579(93)90056-X

Beukema, J.J., and Dekker, R., 2014, Variability in predator abundance links winter character and bivalve recruitment: correlative evidence from long-term data in a tidal flat: Marine Ecology Progress Series, v. 513, doi: 10.3354/meps10978.

Beukema, J.J., Dekker, R., Essink, K., and Michaelis, H., 2001, Synchronized reproductive success of the main bivalve species in the Wadden Sea: causes and consequences: Marine Ecology Progress Series, v. 211, doi: 10.3354/meps211143.

BIRCH, G.F., 2007, A short geological and environmental history of the Sydney estuary, Australia, in: Birch, G.F., ed. Water, Art and Debate: Sydney University Press, v. 17, p. 217-246.

Birch, G.F., Harrington, C., Symons, R.K., and Hunt, J.W., 2007, The source and distribution of polychlorinated dibenzo-p-dioxin and polychlorinated dibenzofurans in sediments of Port Jackson, Australia: Marine pollution bulletin, v. 54, p. 295-308, doi: http://dx.doi.org/10.1016/j.marpolbul.2006.10.009.

Brocas, W., Reynolds, D.J., Butler, P., Richardson, C., Scourse, J., Ridgway, I., and Ramsay, K., 2013, The dog cockle, Glycymeris glycymeris (L.), a new annually-resolved sclerochronological archive for the Irish Sea: Palaeogeography, palaeoclimatology, palaeoecology, v. 373, p. 133-140.

Bougeois, L., De Rafélis, M., Reichart, G.-J., De Nooijer, L.J., and Dupont-Nivet, G., $2016, \mathrm{Mg} / \mathrm{Ca}$ in fossil oyster shells as palaeotemperature proxy, an example from the Palaeogene of Central Asia: Palaeogeography, palaeoclimatology, palaeoecology, v. 441, Part 4, p. 611-626, doi: http://dx.doi.org/10.1016/j.palaeo.2015.09.052.

Bušelić, I., Peharda, M., Reynolds, D.J., Butler, P.G., González, A.R., EzgetaBalić, D., Vilibić, I., Grbec, B., Hollyman, P., and Richardson, C.A., 2015, Glycymeris bimaculata (Poli, 1795) - A new sclerochronological archive for the Mediterranean?: Journal of Sea Research, v. 95, p. 139-148, doi: http://dx.doi.org/10.1016/j.seares.2014.07.011.

Carré, M., Bentaleb, I., Bruguier, O., Ordinola, E., Barrett, N.T., and Fontugne, M., 2006, Calcification rate influence on trace element concentrations in
aragonitic bivalve shells: Evidences and mechanisms: Geochimica et Cosmochimica Acta, v. 70, p. 4906-4920, doi: http://dx.doi.org/10.1016/j.gca.2006.07.019.

Crenshaw, M.A., 1980, Mechanisms of shell formation and dissolution: In: Skeletal Growth of Aquatic Organisms. Rhoads. D.C., Lutz, R.A. (eds) Plenum Publishing Corporation, New York, p 115-132.

Dakin, Sarah-Kate and Manly Hydraulics Laboratory (issuing body) and New South Wales, Office of Environment and Heritage (issuing body.) and New South Wales, Office of Water (issuing body.) and Australia, Bureau of Meteorology (ISSUING bODY.) ET AL. 2015, NSW Hunter and Central Coast flood summary April - May 2015. Manly Vale: NSW Manly Hydraulics Laboratory.

De Choudens-Sanchez, V., and Gonzalez, L.A., 2009, Calcite and aragonite precipitation under controlled instantaneous supersaturation: elucidating the role of CaCO 3 saturation state and $\mathrm{Mg} / \mathrm{Ca}$ ratio on calcium carbonate polymorphism: Journal of Sedimentary Research, v. 79, p. 363-376.

DeLong, K.L., Quinn, T.M., and TAyLor, F.W., 2007, Reconstructing twentieth-century sea surface temperature variability in the southwest Pacific: A replication study using multiple coral $\mathrm{Sr} / \mathrm{Ca}$ records from New Caledonia: Paleoceanography, v. 22.

Department of Primary Industries NSW, Office of Water, 2016. Database 213005 - Toogabbie Creek at Briens Road Lat:-33.79997778 Long:150.98113611 Elev:1. Updated 01/12/2016. http://realtimedata.water.nsw.gov.au/water.stm. Downloaded on November 2015.

Deval, M.C., 2001, Shell growth and biometry of the striped venus Chamelea gallina (L) in the Marmara Sea, Turkey: Journal of Shellfish Research, v. 20, p. 155-159.

Dietzel, M., Gussone, N., and Eisenhauer, A., 2004, Co-precipitation of Sr 2+ and Ba $2+$ with aragonite by membrane diffusion of CO 2 between 10 and 50 C : Chemical Geology, v. 203, p. 139-151.

Dominguez, J.G., Kosnik, M.A., Allen, A.P., Hua, Q., Jacob, D.E., Kaufman, D.S., and Whitacre, K., 2016, Time-averaging and stratigraphic resolution in death assemblages and Holocene deposits: Sydney Harbour's molluscan record: PALAIOS, v. 31, p. 563-574

EISMA, D., 1965, Shell-characteristics of Cardium edulel. As indicators of salinity: Netherlands Journal of Sea Research, v. 2, p. 493-540, doi: http://dx.doi.org/10.1016/0077-7579(65)90001-3

Elderfield, H., and Ganssen, G., 2000, Past temperature and $\delta 180$ of surface ocean waters inferred from foraminiferal $\mathrm{Mg} / \mathrm{Ca}$ ratios: Nature, v. 405, p. 442-445.

Elliot, M., Welsh, K., Chilcott, C., McCulloch, M., Chappell, J., and Ayling, B., 2009, Profiles of trace elements and stable isotopes derived from giant long-lived Tridacna gigas bivalves: Potential applications in paleoclimate studies: Palaeogeography, palaeoclimatology, palaeoecology, v. 280, p. 132-142, doi: http://dx.doi.org/10.1016/j.palaeo.2009.06.007

Ezgeta-Balić, D., Peharda, M., Richardson, C., Kuzmanić, M., Vrgoč, N., and ISAJLOVIĆ, I., 2011, Age, growth, and population structure of the smooth clam Callista chione in the eastern Adriatic Sea: Helgoland Marine Research, v. 65, p. 457-465, doi: $10.1007 / \mathrm{s} 10152-010-0235-\mathrm{y}$.

Fleitmann, D., Dunbar, R.B., McCulloch, M., Mudelsee, M., Vuille, M., McClanahan, T.R., Cole, J.E., and Eggins, S., 2007, East African soil erosion recorded in a 300 year old coral colony from Kenya: Geophysical Research Letters, v. 34.

Forster, C.R., 1981, The age and growth of Callista chione. Marine Biology Association UK, v. 61, p. 881-883.

Freitas, P., Clarke, L.J., Kennedy, H., Richardson, C., and Abrantes, F., 2005, $\mathrm{Mg} / \mathrm{Ca}, \mathrm{Sr} / \mathrm{Ca}$, and stable-isotope $\left(\delta^{18} \mathrm{O}\right.$ and $\left.\delta^{13} \mathrm{C}\right)$ ratio profiles from the fan mussel Pinna nobilis: Seasonal records and temperature relationships: Geochemistry, Geophysics, Geosystems, v. 6.

Freitas, P.S., Clarke, L.J., Kennedy, H., Richardson, C.A., and Abrantes, F., 2006, Environmental and biological controls on elemental $(\mathrm{Mg} / \mathrm{Ca}, \mathrm{Sr} / \mathrm{Ca}$ and $\mathrm{Mn} / \mathrm{Ca})$ ratios in shells of the king scallop Pecten maximus: Geochimica et Cosmochimica Acta, v. 70, p. 5119-5133.

Freitas, P., Clarke, L., Kennedy, H., and Richardson, C., 2008, Inter-and intraspecimen variability masks reliable temperature control on shell $\mathrm{Mg} / \mathrm{Ca}$ ratios in laboratory and field cultured Mytilus edulis and Pecten maximus (bivalvia): Biogeosciences Discussions, v. 5, p. 531-572.

Freitas, P.S., Clarke, L.J., Kennedy, H., and Richardson, C.A., 2012, The potential of combined $\mathrm{Mg} / \mathrm{Ca}$ and $\delta 180$ measurements within the shell of the bivalve Pecten maximus to estimate seawater $\delta^{18} \mathrm{O}$ composition: Chemical Geology, v. 291, p. 286-293, doi: http://dx.doi.org/10.1016/j.chemgeo.2011.10.023

Gaspar, M.B., Pereira, A.M., Vasconcelos, P., and Monteiro, C.C., 2004, Age and growth of Chamelea gallina from the Algarve coast (southern Portugal): influence of seawater temperature and gametogenic cycle on growth rate: Journal of Molluscan Studies, v. 70, p. 371-377.

Gillikin, D.P., Dehairs, F., Lorrain, A., Steenmans, D., Baeyens, W., and André, L., 2006, Barium uptake into the shells of the common mussel (Mytilus edulis) and the potential for estuarine paleo-chemistry reconstruction: Geochimica et Cosmochimica Acta, v. 70, p. 395-407, doi: http://dx.doi.org/10.1016/j.gca.2005.09.015.

Gillikin, D.P., Lorrain, A., Navez, J., Taylor, J.W., André, L., Keppens, E., Baeyens, W., and Dehairs, F., 2005, Strong biological controls on Sr/Ca ratios in aragonitic marine bivalve shells: Geochemistry, Geophysics, Geosystems, v. 6, p. n/a-n/a, doi: 10.1029/2004GC000874.

Gillikin, D.P., Lorrain, A., Paulet, Y.-M., André, L., and Dehairs, F., 2008, Synchronous barium peaks in high-resolution profiles of calcite and aragonite marine bivalve shells: Geo-Marine Letters, v. 28, p. 351-358, doi: 10.1007/s00367-008-0111-9.

Goodwin, D.H., Flessa, K.W., Schöne, B.R., and Dettman, D.L., 2001, Crosscalibration of daily growth increments, stable isotope variation, and temperature in the Gulf of California bivalve mollusk Chione cortezi: implications for paleoenvironmental analysis: PALAIOS, v. 16, p. 387-398.

Hall, C.A., Dollase, W.A., and Corbató, C.E., 1974, Shell growth in Tivela stultorum (Mawe, 1823) and Callista chione (Linnaeus, 1758) (Bivalvia): annual periodicity,
latitudinal differences, and diminution with age: Palaeogeography, palaeoclimatology, palaeoecology, v. 15, p. 33-61.

Hatch, M.B.A., Schellenberg, S.A., And Carter, M.L., 2013, Ba/Ca variations in the modern intertidal bean clam Donax gouldii: An upwelling proxy?: Palaeogeography, palaeoclimatology, palaeoecology, v. 373, p. 98-107, doi: http://dx.doi.org/10.1016/j.palaeo.2012.03.006.

Hebert, P.D., Muncaster, B., and Mackie, G., 1989, Ecological and genetic studies on Dreissena polymorpha (Pallas): a new mollusc in the Great Lakes: Canadian Journal of Fisheries and Aquatic Sciences, v. 46, p. 1587-1591.

Hedge, L., Johnston, E., Ahyong, S., Birch, G., Booth, D., Creese, R., Doblin, M., Figueira, W., Gribben, P., and Hutchings, P., 2014, Sydney Harbour: a systematic review of the science: The Sydney Institute of Marine Science, Sydney, Australia.

Hutchings, P., Ahyong, S., Ashcroft, M., McGrouther, M., and Reid, A., 2013, Sydney Harbour: its diverse biodiversity: Australian Zoologist, v. 36, p. 255-320, doi: doi:10.7882/AZ.2012.031.

Izzo, C., Manetti, D., Doubleday, Z.A., and Gillanders, B.M., 2016, Calibrating the element composition of Donax deltoides shells as a palaeo-salinity proxy: Palaeogeography, palaeoclimatology, palaeoecology, doi: http://dx.doi.org/10.1016/j.palaeo.2016.11.038

Izumida, H., Yoshimura, T., Suzuki, A., Nakashima, R., Ishimura, T., Yasuhara, M., Inamura, A., Shikazono, N., and Kawahata, H., 2011, Biological and water chemistry controls on $\mathrm{Sr} / \mathrm{Ca}, \mathrm{Ba} / \mathrm{Ca}, \mathrm{Mg} / \mathrm{Ca}$ and $\delta^{18} \mathrm{O}$ profiles in freshwater pearl
mussel Hyriopsis sp: Palaeogeography, palaeoclimatology, palaeoecology, v. 309, p. 298-308, doi: http://dx.doi.org/10.1016/j.palaeo.2011.06.014.

Jochum, K., and Nehring, F., 2006, GeoReM preferred values. http://georem.mpchmainz.gwdg.de/sample_query_pref.asp.

Jones, D.S., 1983, Sclerochronology: reading the record of the molluscan shell: annual growth increments in the shells of bivalve molluscs record marine climatic changes and reveal surprising longevity: American Scientist, v. 71, p. 384-391.

Jones, D.S, Arthur, M., and Allard, D., 1989, Sclerochronological records of temperature and growth from shells of: Mercenaria mercenaria Narragansett Bay, Rhode Island: Marine Biology, v. 102, p. 225-234.

Jones, D.S., AND Quitmyer, I.R., 1996, Marking Time with Bivalve Shells: Oxygen Isotopes and Season of Annual Increment Formation: PALAIOS, v. 11, p. 340346, doi: 10.2307/3515244.

Keith, M.L., Anderson, G.M., and Eichler, R., 1964, Carbon and oxygen isotopic composition of mollusk shells from marine and fresh-water environments: Geochimica et Cosmochimica Acta, v. 28, p. 1757-1786, doi: http://dx.doi.org/10.1016/0016-7037(64)90021-3.

Klein, R.T., Lohmann, K.C., and Thayer, C.W., 1996, Bivalve skeletons record seasurface temperature and $\delta^{18} \mathrm{O}$ via $\mathrm{Mg} / \mathrm{Ca}$ and ${ }^{18} \mathrm{O} /{ }^{16} \mathrm{O}$ ratios: Geology, v. 24, p. 415-418, doi: 10.1130/0091-7613(1996)024<0415:bsrwater temperature>2.3.co;2.

Koike, H., 1980, Seasonal dating by growth-line counting of the clam, Meretrix lusoria: University of Tokyo Bulletin, v8. P. 1-120.

Lamprell, K., and Whitehead, T., 1992, Bivalves of Australia: Crawford House, Bathurst, v. 1, 182 p.

Laudien, J., Brey, T., and Arntz, W.E., 2003, Population structure, growth and production of the surf clam Donax serra (Bivalvia, Donacidae) on two Namibian sandy beaches: Estuarine, Coastal and Shelf Science, v. 58, Supplement, p. 105115, doi: http://dx.doi.org/10.1016/S0272-7714(03)00044-1.

Lazareth, C.E., Putten, E.V., André, L., and Dehairs, F., 2003, High-resolution trace element profiles in shells of the mangrove bivalve Isognomon ephippium: a record of environmental spatio-temporal variations?: Estuarine, Coastal and Shelf Science, v. 57, p. 1103-1114, doi: http://dx.doi.org/10.1016/S0272-7714(03)00013-1.

Leontarakis, P.K., and Richardson, C.A., 2005, Growth of the smooth clam, Callista chione (Linnaeus, 1758) (Bivalvia: Veneridae) from the Thracian Sea, northeastern Mediterranean: Journal of Molluscan Studies, v. 71, p. 189-192, doi: 10.1093/mollus/eyi022.

Lorrain, A., Gillikin, D.P., Paulet, Y.-M., Chauvaud, L., Le Mercier, A., Navez, J., AND André, L., 2005, Strong kinetic effects on Sr/Ca ratios in the calcitic bivalve Pecten maximus: Geology, v. 33, p. 965-968.

Marali, S., Schöne, B.R., Mertz-Kraus, R., Griffin, S.M., Wanamaker, A.D., Matras, U., and Butler, P.G., 2016, $\mathrm{Ba} / \mathrm{Ca}$ ratios in shells of Arctica islandica-Potential environmental proxy and crossdating tool: Palaeogeography, palaeoclimatology, palaeoecology, doi: 10.1016/j.palaeo.2015.12.018

Marali, S., Schöne, B.R., Mertz-Kraus, R., Griffin, S.M., Wanamaker, A.D., Butler, P.G., Holland, H.A., and Jochum, K.P., 2016, Reproducibility of trace element time-series ( $\mathrm{Na} / \mathrm{Ca}, \mathrm{Mg} / \mathrm{Ca}, \mathrm{Mn} / \mathrm{Ca}, \mathrm{Sr} / \mathrm{Ca}$, and $\mathrm{Ba} / \mathrm{Ca}$ ) within and between specimens of the bivalve Arctica islandica-A LA-ICP-MS line scan study: Palaeogeography, palaeoclimatology, palaeoecology, doi: 10.1016/j.palaeo.2016.11.024

Marwick, J., 1938, Notocallista and its allies: Royal Society of New Zealand, v. 68, p. 60-81

McGrath, C., 2012, Mending holes in the green safety net: Precedent (Sydney, NSW), p. 4.

Metaxatos, A., 2004, Population dynamics of the venerid bivalve Callista chione (L.) in a coastal area of the eastern Mediterranean: Journal of Sea Research, v. 52, p. 293305

Mitsuguchi, T., Matsumoto, E., Abe, O., Uchida, T., and Isdale, P.J., 1996, Mg/Ca thermometry in coral skeletons: Science, v. 274, p. 961.

Mouchi, V., De Rafélis, M., Lartaud, F., Fialin, M., and Verrecchia, E., 2013, Chemical labelling of oyster shells used for time-calibrated high-resolution $\mathrm{Mg} / \mathrm{Ca}$ ratios: a tool for estimation of past seasonal temperature variations: Palaeogeography, palaeoclimatology, palaeoecology, v. 373, p. 66-74.

Moura, P., Gaspar, M.B., and Monteiro, C.C., 2009, Age determination and growth rate of a Callista chione population from the southwestern coast of Portugal: Aquatic Biology, v. 5, p. 97-106, doi: 10.3354/ab00119.

Ogle, D.H. 2016. FSA: Fisheries Stock Analysis. R package version 0.8.4.

OzCoast (Geoscience Australia) 2015, Database number 37: Port Jackson (NSW). http://www.ozcoasts.gov.au/search_data/detail_result.jsp. Checked November 2015.

Pannella, G., and MacClintock, C., 1968, Biological and Environmental Rhythms Reflected in Molluscan Shell Growth: Memoir (The Paleontological Society), v. 2, p. 64-80.

PaUly, D., 1979, Gill size and temperature as governing factors in fish growth: a generalization of von Bertalanffy's growth formula. Institut für Meereskunde an der Universita"t Kiel No. 63, 156 pp.

PAULY, D., 1980, On the interrelationships between natural mortality, growth parameters, and mean environmental temperature in 175 fish stocks: Journal du Conseil, v. 39, p. 175-192.

Pavlov, D.F., Bezuidenhout, J., Frontasyeva, M.V., and Goryainova, Z.I., 2015, Differences in trace element content between non-indigenous farmed and invasive bivalve mollusks of the South African Coast: American Journal of Analytical Chemistry, v. 6, p. 886.

Phillips, D.J.H., 1977, The use of biological indicator organisms to monitor trace metal pollution in marine and estuarine environments-a review: Environmental Pollution (1970), v. 13, p. 281-317, doi: http://dx.doi.org/10.1016/0013-9327(77)90047-7.

Poulain, C., Gillikin, D., Thébault, J., Munaron, J.-M., Bohn, M., Robert, R., Paulet, Y.-M., And Lorrain, A., 2015, An evaluation of $\mathrm{Mg} / \mathrm{Ca}, \mathrm{Sr} / \mathrm{Ca}$, and $\mathrm{Ba} / \mathrm{Ca}$ ratios as environmental proxies in aragonite bivalve shells: Chemical Geology, v. 396, p. 42-50.

Prouty, N.G., Field, M.E., Stock, J.D., Jupiter, S.D., and McCulloch, M., 2010, Coral $\mathrm{Ba} / \mathrm{Ca}$ records of sediment input to the fringing reef of the southshore of Moloka'i, Hawai'i over the last several decades: Marine pollution bulletin, v. 60, p. 1822-1835.

Putten, E.V., Dehairs, F., Keppens, E., and Baeyens, W., 2000, High resolution distribution of trace elements in the calcite shell layer of modern mytilus edulis: environmental and biological controls: Geochimica et Cosmochimica Acta, v. 64, p. 997-1011, doi: http://dx.doi.org/10.1016/S0016-7037(99)00380-4

R Development Core Team (2015), R: A language and environment for statistical computing. Vienna, Austria: the R Foundation for Statistical Computing. Software freely available online at: http://www.R-project.org/.

Ramon, M., 1992, Age determination and shell growth of Chamelea gallina (Bivalvia: Veneridae) in the western Mediterranean: Mar. Ecol. Prog. Ser., v. 89, p. 15-23.

Richardson, C.A., Peharda, M., Kennedy, H., Kennedy, P., and Onofri, V., 2004, Age, growth rate and season of recruitment of Pinna nobilis (L) in the Croatian Adriatic determined from $\mathrm{Mg}: \mathrm{Ca}$ and $\mathrm{Sr}: \mathrm{Ca}$ shell profiles: Journal of Experimental Marine Biology and Ecology, v. 299, p. 1-16, doi: http://dx.doi.org/10.1016/j.jembe.2003.08.012

Risk, M.J., Burchell, M., De Roo, K., Nairn, R., Tubrett, M., and Forsterra, G., 2010, Trace elements in bivalve shells from the Río Cruces, Chile: Aquatic Biology, v. 10, p. 85-97.

Rhoads, D.C., and Lutz, R.A., (Editors), 1980, Skeletal Growth of Aquatic Organisms: Plenum Publishing Corporation, New York, 750 pp.

Rhoads, D.C., and Pannella, G., 1970, The use of molluscan shell growth patterns in ecology and paleoecology: Lethaia, v. 3, p. 143-161.

Sato, S.I., 1995, Spawning periodicity and shell microgrowth patterns of the venerid bivalve Phacosoma japonicum (Reeve, 1850): Veliger, v. 38, p. 61-72.

SChÖNE, B.R., 2008, The curse of physiology-challenges and opportunities in the interpretation of geochemical data from mollusk shells: Geo-Marine Letters, v. 28, p. 269-285.

Schöne, B.R., Castro, A.D.F., Fiebig, J., Houk, S.D., Oschmann, W., and Kröncke, I., 2004, Sea surface water temperatures over the period 1884-1983 reconstructed from oxygen isotope ratios of a bivalve mollusk shell (Arctica islandica, southern North Sea): Palaeogeography, palaeoclimatology, palaeoecology, v. 212, p. 215232.

Schöne, B.R., AND Gillikin, D.P., 2013, Unraveling environmental histories from skeletal diaries - Advances in sclerochronology: Palaeogeography, palaeoclimatology, palaeoecology, v. 373, p. 1-5, doi: http://dx.doi.org/10.1016/j.palaeo.2012.11.026.

Schöne, B.R., Lega, J., W. Flessa, K., Goodwin, D.H., and Dettman, D.L., 2002, Reconstructing daily temperatures from growth rates of the intertidal bivalve mollusk Chione cortezi (northern Gulf of California, Mexico): Palaeogeography, palaeoclimatology, palaeoecology, v. 184, p. 131-146, doi: http://dx.doi.org/10.1016/S0031-0182(02)00252-3.

Schöne, B.R., Zhang, Z., Radermacher, P., Thébault, J., Jacob, D.E., Nunn, E.V., and Maurer, A.-F., 2011, $\mathrm{Sr} / \mathrm{Ca}$ and $\mathrm{Mg} / \mathrm{Ca}$ ratios of ontogenetically old, longlived bivalve shells (Arctica islandica) and their function as paleotemperature proxies: Palaeogeography, palaeoclimatology, palaeoecology, v. 302, p. 52-64, doi: http://dx.doi.org/10.1016/j.palaeo.2010.03.016.

Schöne, B.R., Zhang, Z., Jacob, D., Gillikin, D.P., Tütken, T., Garbe-Schönberg, D., AND SOLDATI, A., 2010, Effect of organic matrices on the determination of the trace element chemistry $(\mathrm{Mg}, \mathrm{Sr}, \mathrm{Mg} / \mathrm{Ca}, \mathrm{Sr} / \mathrm{Ca})$ of aragonitic bivalve shells (Arctica islandica)-Comparison of ICP-OES and LA-ICP-MS data: Geochemical journal, v. 44, p. 23-37.

Schroeder, H.A., Tipton, I.H., and Nason, A.P., 1972, Trace metals in man: strontium and barium: Journal of Chronic Diseases, v. 25, p. 491-517.

Selin, N., 2016, Spatial growth rate variability in Callista brevisiphonata (Carpenter, 1865)(Bivalvia: Veneridae): Russian Journal of Marine Biology, v. 42, p. 308314.

Selin, N.I., and Selina, M.S.,N.I., 1988, Production characteristics of the bivalve mollusc Callista brevisiphonata in Peter the Great Bay, Sea of Japan. Soviet Journal of Marine Biology, v. 14, p. 219-223

Shoults-Wilson, W.A., Elsayed, N., Leckrone, K., and Unrine, J., 2015, Zebra mussels (Dreissena polymorpha) as a biomonitor of trace elements along the southern shoreline of Lake Michigan: Environmental Toxicology and Chemistry, v. 34, p. 412-419, doi: 10.1002/etc. 2825 .

Sinclair, D.J., and McCulloch, M.T., 2004, Corals record low mobile barium concentrations in the Burdekin River during the 1974 flood: evidence for limited Ba supply to rivers?: Palaeogeography, palaeoclimatology, palaeoecology, v. 214, p. 155-174, doi: http://dx.doi.org/10.1016/j.palaeo.2004.07.028

Skene, D., and Ryan, D., 2003, Milestone Report CG1-03 for the Coastal Geomorphology Classification Subproject Sydney Harbour Sediment Sampling Results: Cooperative Research Centre for Coastal Zone, Estuary and Waterway Management (Coastal CRC). Report available online: http://dbforms.ga.gov.au/www/npm.ozcoast2.showmm?pBlobNo=8478

Smith, H., De Vaate, A.B., Reeders, H., Van Nes, E., and Noordhuis, R., 1993, Colonization, ecology, and positive aspects of zebra mussels (Dreissena polymorpha) in the Netherlands: Zebra mussels: Biology, impacts and control, p. 55-77.

Soldati, A.L., Jacob, D.E., Schöne, B.R., Bianchi, M.M., and Hadjduk, A., 2009, Seasonal periodicity of growth and composition in valves of Diplodon chilensis patagonicus (d'Orbigny, 1835): Journal of Molluscan Studies, v. 75, p. 75-85, doi: 10.1093/mollus/eyn044.

Stecher, H.A., Krantz, D.E., Lord, C.J., Luther, G.W., and Bock, K.W., 1996, Profiles of strontium and barium in Mercenaria mercenaria and Spisula
solidissima shells: Geochimica et Cosmochimica Acta, v. 60, p. 3445-3456, doi: http://dx.doi.org/10.1016/0016-7037(96)00179-2

Strasser, M., Dekker, R., Essink, K., Günther, C.-P., Jaklin, S., Kröncke, I., Madsen, P.B., Michaelis, H., and Vedel, G., 2003, How predictable is high bivalve recruitment in the Wadden Sea after a severe winter?: Journal of Sea Research, v. 49, p. 47-57.

Surge, D., and Lohmann, K.C., 2008, Evaluating $\mathrm{Mg} / \mathrm{Ca}$ ratios as a temperature proxy in the estuarine oyster, Crassostrea virginica: Journal of Geophysical Research: Biogeosciences, v. 113.

Takesue, R.K., Bacon, C.R., and Thompson, J.K., 2008, Influences of organic matter and calcification rate on trace elements in aragonitic estuarine bivalve shells: Geochimica et Cosmochimica Acta, v. 72, p. 5431-5445, doi: http://dx.doi.org/10.1016/j.gca.2008.09.003

Takesue, R.K., And van Geen, A., 2004, $\mathrm{Mg} / \mathrm{Ca}, \mathrm{Sr} / \mathrm{Ca}$, and stable isotopes in modern and Holocene Protothaca staminea shells from a northern California coastal upwelling region: Geochimica et Cosmochimica Acta, v. 68, p. 3845-3861, doi: http://dx.doi.org/10.1016/j.gca.2004.03.021

Thébault, J., Chauvaud, L., L'Helquen, S., Clavier, J., Barats, A., Jacquet, S., Pécheyran, C., And Amouroux, D., 2009, Barium and molybdenum records in bivalve shells: Geochemical proxies for phytoplankton dynamics in coastal environments?: Limnology and Oceanography, v. 54, p. 1002-1014.

Thomas, K.D., 2015, Molluscs emergent, Part I: themes and trends in the scientific investigation of mollusc shells as resources for archaeological research: Journal of

Archaeological Science, v. 56, p. 133-140, doi: http://dx.doi.org/10.1016/j.jas.2015.01.024

Thompson, I., Jones, D., And Dreibelbis, D., 1980, Annual internal growth banding and life history of the ocean quahog Arctica islandica (Mollusca: Bivalvia): Marine Biology, v. 57, p. 25-34.

Toland, H., Perkins, B., Pearce, N., Keenan, F., and Leng, M.J., 2000, A study of sclerochronology by laser ablation ICP-MSPresented at the 2000 Winter Conference on Plasma Spectrochemistry, Fort Lauderdale, FL, USA, January 1015, 2000. Electronic Supplementary Information available. See http://www. rsc. org/suppdata/ja/b0/b0020141: Journal of Analytical Atomic Spectrometry, v. 15, p. 1143-1148.

Tynan, S., Opdyke, B.N., Walczak, M., EgGins, S., And Dutton, A., 2016, Assessment of $\mathrm{Mg} / \mathrm{Ca}$ in Saccostrea glomerata (the Sydney rock oyster) shell as a potential temperature record: Palaeogeography, palaeoclimatology, palaeoecology.

Urey, H.C., Lowenstam, H.A., Epstein, S., and McKinney, C.R., 1951, Measurement of paleotemperatures and temperatures of the Upper Cretaceous of England, Denmark, and the southeastern United States: Geological Society of America Bulletin, v. 62, p. 399-416.

Vander Putten, E., Dehairs, F., Keppens, E., and Baeyens, W., 2000, High resolution distribution of trace elements in the calcite shell layer of modern Mytilus edulis: Environmental and biological controls: Geochimica et Cosmochimica Acta, v. 64, p. 997-1011.

Vihtakari, M., Ambrose Jr, W.G., Renaud, P.E., Locke V, W.L., Carroll, M.L., Berge, J., Clarke, L.J., Cottier, F., and Hop, H., 2017, A key to the past? Element ratios as environmental proxies in two Arctic bivalves: Palaeogeography, palaeoclimatology, palaeoecology, v. 465, Part B, p. 316-332, doi: http://dx.doi.org/10.1016/j.palaeo.2016.10.020

Wanamaker Jr, A.D., Kreutz, K.J., Wilson, T., Borns Jr, H.W., Introne, D.S., and Feindel, S., 2008, Experimentally determined $\mathrm{Mg} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca}$ ratios in juvenile bivalve calcite for Mytilus edulis: implications for paleotemperature reconstructions: Geo-Marine Letters, v. 28, p. 359-368

Watanabe, T., Winter, A., and Oba, T., 2001, Seasonal changes in sea surface temperature and salinity during the Little Ice Age in the Caribbean Sea deduced from $\mathrm{Mg} / \mathrm{Ca}$ and $18 \mathrm{O} / 16$ O ratios in corals: Marine Geology, v. 173, p. 21-35.

Yan, H., Chen, J., And XIAO, J., 2014, A review on bivalve shell, a tool for reconstruction of paleo-climate and paleo-environment: Chinese Journal of Geochemistry, v. 33, p. 310-315, doi: 10.1007/s11631-014-0692-0.

Yan, H., Shao, D., Wang, Y., and Sun, L., 2013, Sr/Ca profile of long-lived Tridacna gigas bivalves from South China Sea: A new high-resolution water temperature proxy: Geochimica et Cosmochimica Acta, v. 112, p. 52-65, doi: http://dx.doi.org/10.1016/j.gca.2013.03.007.

Yang, H.-Y., Chen, B., Piersma, T., Zhang, Z., and Ding, C., 2016, Molluscs of an intertidal soft-sediment area in China: Does overfishing explain a high density but low diversity community that benefits staging shorebirds?: Journal of Sea Research, v. 109, p. 20-28, doi: http://dx.doi.org/10.1016/j.seares.2016.01.006.

## TABLES AND FIGURES

| Site | Map | Location |  | Water Depth (m) | Date | Area (m²) | Specimens (n) | Density ( $\mathrm{n} / \mathrm{m}^{2}$ ) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Chinaman Beach | CB | -33.48775 ${ }^{\circ}$ | $151.15141^{\circ}$ | 7.2 | 2014 Oct 28 | 6.5 | 1 | 0.15 |
|  |  | -33.81284 ${ }^{\circ}$ | $151.24893{ }^{\circ}$ | 8.7 | 2015 May 27 | 3.5 | 1 | 0.29 |
| Delwood Beach | DB | -33.80175 ${ }^{\circ}$ | $151.27812^{\circ}$ | 10.7 | 2015 May 27 | 3 | 1 | 0.33 |
| Sow \& Pigs Reef | SP | -33.84041 ${ }^{\circ}$ | $151.26752^{\circ}$ | 8.5 | 2014 Jul 08 | 1.5 | 1 | 0.67 |
|  |  | -33.84097 ${ }^{\circ}$ | $151.26447^{\circ}$ | 12.6 | 2015 May 26 | 3 | 3 | 1.00 |
| Hunters Bay | HB | -33.82344 ${ }^{\circ}$ | $151.26217^{\circ}$ | 7.5 | 2014 Mar 17 | 2 | 4 | 2.00 |
|  |  | -33.49397 ${ }^{\circ}$ | $151.15658^{\circ}$ | 6.8 | 2014 Oct 28 | 7.25 | 1 | 0.14 |
|  |  | -33.49381 ${ }^{\circ}$ | $151.15630^{\circ}$ | 7.6 | 2015 Feb 18 | 5 | 2 | 0.40 |
| Watsons Bay | WB | -33.84236 ${ }^{\circ}$ | $151.27751^{\circ}$ | 9.6 | 2011 Jun 17 | 1 | 1 | 1.00 |
|  |  | -33.84213 ${ }^{\circ}$ | $151.27723^{\circ}$ | 9.9 | 2014 Mar 17 | 2 | 1 | 0.50 |
|  |  | -33.84236 ${ }^{\circ}$ | $151.27731^{\circ}$ | 10.1 | 2014 Jun 03 | 2 | 1 | 0.50 |
|  |  | -33.84252 ${ }^{\circ}$ | $151.27904^{\circ}$ | 10.3 | 2014 Oct 26 | 10.5 | 3 | 0.29 |
|  |  | -33.82242 ${ }^{\circ}$ | $151.27853^{\circ}$ | 8.2 | 2014 Oct 27 | 10 | 4 | 0.40 |
|  |  | -33.84224 ${ }^{\circ}$ | $151.27711^{\circ}$ | 10.5 | 2015 Feb 17 | 3 | 3 | 1.00 |
|  |  | -33.84234 ${ }^{\circ}$ | $151.27734^{\circ}$ | 10.6 | 2015 May 26 | 3 | 3 | 1.00 |

TABLE 1. Collection site metadata. "Site" column refers to the name of sampling sites. "Map" is the two letters abbreviation used in the Sydney Harbour map (Fig. 1) to identify the collection sites. "Location" is indicated using WGS84 GPS coordinates. "Water Depth" was taken from diver depth gauges and corrected to chart datum using Fort Denison tide measurements (R. Jacobs, Office of Environment and Heritage NSW, personal communication, 2015). "Date" is the date of collection. "Area" is the total area samples per site. "Modal Grain Size" was determined using a Malvern Mastersizer 2000 Laser Diffraction particle size analyser. "Specimens" lists the number of specimens collected per site. "Density" is the number of individuals per square meter.

| Equation Trace Element - Water Temperature (method \# 1) | $\mathrm{r}^{2}$ | $p(\alpha)$ | $n$ |
| :---: | :---: | :---: | :---: |
| $\mathrm{Mg} / \mathrm{Ca}=0.18( \pm 0.01) \mathrm{WT}-2.93( \pm 0.16)$ | 0.66 | < 0.01 | 273 |
| $\mathrm{Ba} / \mathrm{Ca}=0.026 \mathrm{e}^{-1}\left( \pm 0.001 \mathrm{e}^{-2}\right) \mathrm{WT}-0.042( \pm 0.003)$ | 0.56 | < 0.01 | 273 |
| $\mathrm{Sr} / \mathrm{Ca}=0.44( \pm 0.03) \mathrm{WT}-4.37( \pm 0.63)$ | 0.42 | < 0.01 | 273 |
| Equation Trace Element - Water Temperature (method \# 2) |  |  |  |
| $\mathrm{Mg} / \mathrm{Ca}=0.15( \pm 0.01) \mathrm{WT}-2.35( \pm 0.22)$ | 0.44 | < 0.01 | 233 |
| $\mathrm{Ba} / \mathrm{Ca}=0.019 \mathrm{e}^{-1}\left( \pm 0.002 \mathrm{e}^{-2}\right) \mathrm{WT}-0.029( \pm 0.004)$ | 0.28 | < 0.01 | 233 |
| $\mathrm{Sr} / \mathrm{Ca}=0.34( \pm 0.04) \mathrm{WT}-2.69( \pm 0.72)$ | 0.28 | < 0.01 | 233 |
| Equation Trace Element - Growth (method \# 2) |  |  |  |
| $\mathrm{Mg} / \mathrm{Ca}=\log 0.27( \pm 0.02) \mathrm{G}+1.68( \pm 0.09)$ | 0.40 | < 0.01 | 233 |
| $\mathrm{Ba} / \mathrm{Ca}=\log 0.036 \mathrm{e}^{-1}\left( \pm 0.003 \mathrm{e}^{-2}\right) \mathrm{G}+0.022( \pm 0.001)$ | 0.27 | < 0.01 | 233 |
| $\mathrm{Sr} / \mathrm{Ca}=\log 0.58( \pm 0.07) \mathrm{G}+6.52( \pm 0.29))$ | 0.21 | < 0.01 | 233 |
| Multiple regression Trace Element - Water Temperature - Growth (method \# 2) |  |  |  |
| $\mathrm{Mg} / \mathrm{Ca}=0.10( \pm 0.01) \mathrm{WT}+\log 0.17( \pm 0.02) \mathrm{G}-0.77( \pm 0.27)$ | 0.56 | < 0.01 | 232 |
| $\mathrm{Ba} / \mathrm{Ca}=0.013 \mathrm{e}^{-1}\left( \pm 0.002 \mathrm{e}^{-2}\right) \mathrm{WT}+\log 0.024 \mathrm{e}^{-1}\left( \pm 0.004 \mathrm{e}^{-2}\right) \mathrm{G}-0.077( \pm 0.005)$ | 0.36 | < 0.01 | 232 |
| $\mathrm{Sr} / \mathrm{Ca}=0.26( \pm 0.04) \mathrm{WT}+\log 0.33( \pm 0.08) \mathrm{G}-0.32( \pm 1.00)$ | 0.33 | < 0.01 | 232 |

TABLE 2. Equations derived from trace element correlations with water temperature and daily growth.
"Method \#" refers to the method used from the two different methodological approach used in this study.
Coefficient of determination " r "' and p -values for each regression are listed. " n " is the number of data point used in each regression.

| Species | Linf(mm) | K | OGP (P) | Location | Study |
| :--- | :---: | :---: | :---: | :--- | :--- |
|  |  |  |  |  |  |
| Callista brevisiphonata | 101.8 | 0.20 | 5.33 | Sea of Japan, Russia | Selin and Selina (1988) |
| Callista brevisiphonata | 102.2 | 0.18 | 5.28 | Sea of Japan, Russia | Selin and Selina (1988) |
| Callista brevisiphonata | 113.4 | 0.15 | 5.33 | Sea of Japan, Russia | Selin and Selina (1988) |
|  |  |  |  |  |  |
| Callista chione | 72.4 | 0.25 | 4.98 | Rab Island, Croatia | Ezgeta et al. (2011) |
| Callista chione | 72.5 | 0.15 | 4.76 | Pag Bay, Croatia | Ezgeta et al. (2011) |
| Callista chione | 82.8 | 0.11 | 4.80 | Kastela Bay, Croatia | Ezgeta et al. (2011) |
| Callista chione | 79.3 | 0.34 | 5.23 | Cetina, Croatia | Ezgeta et al. (2011) |
| Callista chione | 93.0 | 0.24 | 5.29 | Euboikos Gulf, Greece | Metaxatos (2004) |
| Callista chione | 98.1 | 0.15 | 5.15 | Arrabida, Portugal | Moura et al. (2009) |
| Callista chione | 91.1 | 0.18 | 5.13 | Arrabida, Portugal | Moura et al. (2009) |
| Callista chione | 62.7 | 0.24 | 4.77 | Thassos Island, Greece | Leontarakis and Richardson (2005) |
| Callista chione | 57.8 | 0.26 | 4.70 | Thassos Island, Greece | Leontarakis and Richardson (2005) |
| Callista disrupta |  |  |  |  |  |

TABLE 3. Overall Growth Performance indexes compared. "Species" lists the name of the species studied. "Linf" refers to the asymptotic length of the population studied. " K " refers to the von Bertalanffy Growth constant. "OGP" lists the Overall Growth Performance indexes (P) values. "Location" is the geographical location of each population. "Study" lists the references for each study listed.


FIGURE 1. A-C) Study area location. D) Map of outer Sydney Harbour; modified from Roads and Maritime Service (2013). Sites abbreviations are listed in Table 1.


FIGURE 2. A) Callista disrupta right valve (specimen CPL23446), white dashed line indicate the direction of cutting. B) Cross section of C. disrupta valve, white arrows indicate growth bands location. Scale bars are 10 mm in both images.


FIGURE 3. A) Laser ablation beam line. Red arrows indicate the location and direction of the laser beam (specimen CPL20267). The prismatic layer is shown as the clearer section of the shell, the last growth line also is visible in the image as a darker band in the prismatic layer. B) Fluorescent microscopy image (10X magnification) showing shell micro increments in the fast growth section of a C. disrupta shell (specimen CPL20267).


FIGURE 4. Seasonal growth band formation. Black columns represent the percentage of C. disrupta individuals collected with a growth band at the external margin of the shell (months without black or grey column were not sampled). The dark line represents the median weekly water temperature variation during the sampling period, the shaded area represents the $95 \%$ confidence interval.


FIGURE 5. Year of recruitment frequency distribution of C. disrupta population in Sydney Harbour. Bars indicate the number of collected shells recruited in each year. Recruitment year of each shell calculated based on the number of growth lines and the date of collection.


FIGURE 6. Von Bertalanffy Growth curve of C. disrupta population in Sydney Harbour, determined from internal shell growth bands. Grey spots represent individuals shell measures.


FIGURE 7. Example of trace elements seasonal variation in the shell CPL20267. $\mathrm{Mg} / \mathrm{Ca}, \mathrm{Ba} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca}$ concentrations in $\mathrm{mmol} / \mathrm{mol}$ measured by LA-ICP-MS, using line scans from the ventral margin ( 0 mm ) in the umbo direction. Plots are aligned, vertical dashed lines represent shell growth band position. On top a microphoto of the shell cross section indicating the location of the growth lines.


FIGURE 8. Median seasonal trace element variation. Black dots indicate individual trace elements concentrations in $\mathrm{mmol} / \mathrm{mol}$ measured by LA-ICP-MS, whiskers encompass $95 \%$ of the data, the bars encompass $50 \%$ of the data, and the horizontal bar is the median trace elements concentrations in each season (winters = growth band shell sections, summers = rapid growth shell sections). The x-axis indicate the season and the shell's CPL number ID.


FIGURE 9. Daily water temperature profile correlated with $\mathrm{Mg} / \mathrm{Ca}$ profile. $\mathrm{Mg} / \mathrm{Ca}$ have been re-scale from mm to days using the method \#1 (not taking into account daily growth rates). The blue line is the water temperature profile. The black line represent the average daily $\mathrm{Mg} / \mathrm{Ca}$ values profile and the red dashed lines represent the individual shells daily $\mathrm{Mg} / \mathrm{Ca}$ values.


FIGURE 10. Daily water temperature profile correlated with $\mathrm{Mg} / \mathrm{Ca}$ profile. $\mathrm{Mg} / \mathrm{Ca}$ have been re-scale from mm to days using the method \# 2 (data averaged by daily growth micro-increments). The blue line is the water temperature profile. The black line represent the $\mathrm{Mg} / \mathrm{Ca}$ data points averaged by shell daily micro increments, the red dashed lines represents the individual shells daily $\mathrm{Mg} / \mathrm{Ca}$ values.


FIGURE 11. Daily Parramatta River level profile aligned with $\mathrm{Ba} / \mathrm{Ca}$ profile. The blue line represent daily changes in river level. Black line represent the $\mathrm{Ba} / \mathrm{Ca}$ profile.


FIGURE 12. Linear regression between water temperature and Trace element ratios. Green data points and regression lines represent data obtained from method \#1 (not taking into account daily growth rates) and brown data points and regression lines represent method \# 2 (Trace element/Ca data averaged by daily growth).


FIGURE 13. Logarithmic regression between Daily growth and Trace element ratios. The scale in x axis shows the growth values in mm and $\log$ transformed.


FIGURE 14. Linear regression between water temperature and $\mathrm{Mg} / \mathrm{Ca}$ obtained from different studies on bivalves compared. Similar line patterns represent species closely taxonomically related. Species name, $\mathrm{r}^{2}$ values and author of the study are specified in plot. Full black lines represent studies made on aragonitic species including this study. Data was retrieved from: Freitas et al. 2012, Tynan et al. 2016 and Vihtakari et al. 2017.

## CHAPTER 3

# A MILLENNIAL SCALE PERSPECTIVE ON CHANGES IN ABUNDANCE, GROWTH RATES AND SHELL COMPOSITION OF CALLISTA DISRUPTA IN SYDNEY HARBOUR (AUSTRALIA) 

J. Gabriel Dominguez, Dorrit E. Jacob, Matthew A. Kosnik, Dilmi Herath

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RRH: C. disrupta in Sydney

LRH: DOMINGUEZ ET AL.

Keywords: Sclerochronology, Von Bertalanffy growth curve, laser ablation ICPMS, trace elements, palaeoecology.


#### Abstract

Callista disrupta (Bivalvia: Veneridae) is the most abundant bivalve found living in the subtidal soft sediments of outer Sydney Harbour (NSW, Australia) where it makes up ~ $\mathbf{8 0} \%$ of the extant molluscan fauna. However, this high abundance is a relatively recent phenomenon, as buried molluscan death assemblages reveal that this species was rare in Sydney Harbour from the midHolocene ( $\mathbf{3 7 0 0}$ to $\mathbf{4 7 0 0}$ years ago) through Colonial times, representing only $\sim \mathbf{2} \%$ of the molluscan assemblage. We constructed Von Bertalanffy Growth (VBG)


curves using the internal growth bands of $\mathbf{3 0}$ live-collected individuals, and $\mathbf{1 6}$ midHolocene shells collected from the deepest sedimentary layers of a 1.6 m deep excavation made in Watsons Bay (outer Sydney Harbour). The growth curves indicate that mid-Holocene C. disrupta had lower growth rates (VBG, $L_{t}=27.59$ [1-$\left.\mathrm{e}^{-1.13(\mathrm{t}-0.18)}\right]$ ), than the living population (VBG, $\left.L_{t}=44.47\left[1-\mathrm{e}^{-0.33(\mathrm{t}-0.49}\right]\right)$. Trace elements in modern shells show significantly higher $\mathrm{Mg} / \mathrm{Ca}$ ratios whereas $\mathrm{Ba} / \mathrm{Ca}$ ratios are higher in the mid-Holocene shells, with frequent peaks rarely found in modern samples. Additionally, two shells collected from middle sedimentary layers of the same excavation, one shell from the late Holocene (~2000-2700 years ago) and one from the local Colonial period ( $\sim 100-200$ years old) were also analysed to assess changes between both periods. Differences among the shells trace element ratios profiles suggest historical differences in water temperature and freshwater influx. C. disrupta illustrates how ecological communities have changed since the mid-Holocene and can serve as a potential analogue for how climate change may impact community structures, and how bivalves respond to these challenges.

## INTRODUCTION

The mid and late Holocene are globally characterized by strong climate variability with cyclical periods of cooler and warmer temperatures than currently observed (Bond et al. 1997; Masson-Delmotte et al. 2004; Mayewski et al. 2004). Understanding the causes of these climatic variations and their comparability with recent climate change is key to evaluating, determining and modelling the magnitude and consequences of the current anthropogenic climate change (see: Wanner et al. 2008).

Bivalve shells have proven to be reliable tools for marine Holocene climate reconstruction (e.g. Watanabe et al. 2001; Schöne et al. 2002, 2004; Carré et al. 2006;

Miyaji et al. 2010). Bivalves grow by incremental calcium carbonate accretion. Mass, periodicity and chemical composition of these may reflect environmental conditions and have been successfully used as environmental proxies (e.g. Barat et al. 2009; Brocas et al. 2013; Izzo et al. 2016). Furthermore, they form visible growth lines creating a record of their life history and a chronologically ordered archive of the environmental conditions that the organism experienced during its lifespan (Rhoads and Lutz 1980; Wannamaker et al. 2008).

Studies on Australian marine Holocene climate are relatively sparse compared with the northern hemisphere (Moros et al. 2009; Masson-Delmotte et al. 2013). Most of these studies focus on the tropical and subpolar regions of Australia, while mid-latitudes are relatively poorly researched (see Baker et al. 2009; Sadler et al. 2016). Callista disrupta is a common subtidal bivalve broadly distributed along the east coast of Australia from central Queensland to Tasmania (Atlas of Living Australia, 2016). In this study, we compared relative abundance, growth rates, and shell elemental composition $(\mathrm{Mg} / \mathrm{Ca}$ and $\mathrm{Ba} / \mathrm{Ca}$ ratios) of the modern C. disrupta population with mid and late Holocene populations from Sydney Harbour localized in the mid-latitude $\left(\sim 33.8^{\circ} \mathrm{S}\right)$ of the Australian east coast. This study provided some evidence that suggest a historical variation on sea surface temperature conditions from the mid-Holocene in the area, as well as offering strong evidence of dramatic environmental and ecological changes in the area.

## METHODS

## Study Area and Sampling Description

Port Jackson, colloquially known as Sydney Harbour is a submerged river valley formed by an inlet of the Tasman Sea and its catchment is heavily urbanized and
industrialized (Birch, 2007). Its area of $50 \mathrm{~km}^{2}$ and 27 km long forms the natural harbor of Sydney a large city of $\sim 4.5$ million inhabitants (OzCoasts, 2015). The total catchment area is relatively small ( $589 \mathrm{~km}^{2}$ ) with Parramatta river as the main tributary of fresh water and, while heavy rain can form temporary freshwater lens that extend over the inner harbor, the outer parts of the harbour normally remain mainly dominated by marine water conditions (Hutchings et al. 2013; OzCoasts, 2015). The outer harbor has a welldeveloped flood tidal delta with sediment characteristics dominated by medium to fine sand and usually with less than $2 \%$ of mud (Skene and Ryan, 2003).

Living C. disrupta were collected from surficial sediment layers (top 0.2 m ) in five locations (Delwood Beach, Watsons Bay, Sow \& Pigs Reef, Hunters Bay and Chinamans Beach) with comparable water depths ( $\sim 10 \mathrm{~m}$ ) and sedimentary characteristics during 2014-2015 (for additional sampling details see Dominguez et al. 2016 [Chapter 1] and Chapter 2). Mid-Holocene shells were collected from an excavation in Watsons Bay in 2013 (Table 1, Fig. 1). Research divers pounded a $0.25 \mathrm{~m}^{2}$ cofferdam (a temporary retaining wall) $\sim 2 \mathrm{~m}$ into the sediment to prevent the collapse of the excavation. Sediment layers were then excavated at $\sim 5 \mathrm{~cm}$ intervals using an 80 mm diameter water dredge as described by Kosnik et al. (2015). This study used the shell assemblages recovered between $1.5-1.8 \mathrm{~m}$ depth that represent a distinct shell assemblage between $\sim 3700$ to 4700 years of age as a 'mid-Holocene population' (for additional information on the samples and geochronology see Dominguez et al. 2016 [Chapter 1]). While C. disrupta shells were too rare in the core for population structure analyses, one shell from an intermediate layer ( $0.86-1.16 \mathrm{~m}$, age between $\sim 2000$ to 2700 years old), and another shell from the most surficial layer ( $0.33-0.52 \mathrm{~m}$, age between $\sim$ 100 to 200 years old) were analysed here. All C. disrupta shells examined were sampled
from the 8 mm sieve-size fraction size to concentrate on individuals that had lived more than one year.

## Species studied

Callista disrupta (Iredale, 1924) (Bivalvia: Veneroida: Veneridae) is subtidal bivalve that lives in sandy to muddy sediment, it is a suspension feeder with relatively short syphons associated to shallow borrowing habits (Ansel, 1961). This species can growth up to 42 mm in length, and the shell typically form deep concentric channels that form variable broad crests. Shells are beige with white and brown ray patterns, while the interior is a plain grey-white colour (Fig. 2) (Lamprell and Whitehead, 1992). The composition of the shell is entirely aragonitic as verified by electron diffraction analysis, and comprises crossed lamellar microstructure (Agbaje et al. submitted). This species has a broad geographical distribution along the east coast of Australia from tropical to subpolar latitudes and from shallow estuarine areas to up to $\sim 50 \mathrm{~m}$ depth marine zones (Atlas of Living Australia, 2016).

## Sclerochronology

A total of 30 living $C$. disrupta individuals were collected from Sydney Harbour during 2014-2015. Soft tissue was removed and shells were brushed clean and air dried. Clean shells from living animals plus 16 C. disrupta right valves collected from the Watsons Bay excavation were prepared for sclerochronological analyses following the modified method of Soldati et al. (2009). All shells were coated with metal epoxy and two millimetre wide slices were cut perpendicular to the growth rings along the longest possible axis using a low speed saw. Shell slices were mounted on glass slides, sanded and polished. After polishing, internal growth bands were clearly visible in the shell cross sections (for additional details on shell preparation see Chapter 2).
C. disrupta form narrow annual bands in winter. Validation of annual band formation was carried out by seasonal sampling of individuals over a year and checking for band formation near the ventral edge of the shell (see Chapter 2). The distance between the umbo and the start of each growth band was measured using the Panopea ${ }^{\circledR}$ image processing software (developed by Peinl and Schöne, University of Frankfurt 2004). Since the distance was measured in relation to the shell height $(\mathrm{H})$, resulting data were transformed to shell length ( L ) using the following equation $\left(\mathrm{N}=30\right.$ and $\mathrm{r}^{2}=$ $0.9851)$ :

$$
L=2.91( \pm 0.52)+1.23( \pm 0.03) * \mathrm{H}
$$

The length data obtained were fitted to the Von Bertalanffy Growth (VBG) function expressed in the equation $L_{t}=L_{i n f}\left[1-\mathrm{e}^{-K\left(t-t_{0}\right)}\right]$, where $L_{i n f}$ is the asymptotic maximum length, K is the Von Bertalanffy growth constant, t is age in years and $\mathrm{t}_{0}$ is the length at time zero (typically the time of settlement). Data were fitted to VBG function using the Fisheries Stock Assessment methods and data (FSA version 0.8.11) package for $R$ (Ogle, 2016), which uses the least squares method for estimation of growth parameters. The maximum age or longevity was calculated using the equation $T_{\max }=3 / \mathrm{K}$ (Pauly et al., 1980). An overall growth performance index ( $\mathrm{P}=\log \left(\mathrm{K} \mathrm{x} \mathrm{L}_{\text {inf }}{ }^{3}\right)$, Pauly et al., 1979) was applied to compare the growth parameters to data between the modern and the midHolocene population. Relative abundance of the modern population was calculated as the dry weight of the shells from C. disrupta specimens collected alive divided by the total dry weight of the shells from every bivalve specimen collected alive. For the midHolocene population relative abundance was defined as the dry weight of C. disrupta shells divided by the dry weight of the total shell material collected per each sedimentary layer sampled.

High resolution trace element analyses by LA-ICP-MS were carried out on two $C$. disrupta shells from the modern population (CPL numbers 20267, 23880), one for the surficial sedimentary layer representing the colonial period ~ 100-200 years old (CPL number 22844), one for the middle layers representing the late Holocene ~ 2000-2700 years old (CPL number 23181) and two from the deepest layer representing the midHolocene population $\sim 3700-4700$ years old (CPL numbers 24073, 24074). Analyses were conducted using an Agilent 7700ce quadrupole LA-ICP-MS coupled to a Photon Machines excimer laser (193 nm wavelength). Laser energy density was $4.06 \mathrm{~J} / \mathrm{cm}^{3}$ with a repetition rate of 5 Hz and helium as carrier gas. Analyses were performed along a preablated line of $30 \mu \mathrm{~m}$ width at a scan speed of $50 \mu \mathrm{~m} / \mathrm{s}$ along the centre of the outer layer of each shell section from the ventral margin towards the umbo. The analyses were carried with 60 s for background measurement and ${ }^{43} \mathrm{Ca}$ was used as internal standard. NIST SRM 610 glass was used as an external standard with values taken from the GeoReM database (Jochum and Nehring, 2006), NIST SRM 612 and MACS (USGS) were used as secondary external reference materials and data reduction was performed using the software GLITTER 4.4 (Macquarie University, NSW, Australia). The isotopes analysed were ${ }^{26} \mathrm{Mg}$ and ${ }^{137} \mathrm{Ba}$, detection limits ( $99 \%$ confidence) were $\mathrm{Mg}=0.154 \mu \mathrm{~g} / \mathrm{g}$, $\mathrm{Ba}=0.026 \mu \mathrm{~g} / \mathrm{g}$, and external reproducibility compared to NIST SRM 610 was between $10 \%$ and $15 \%$. All data are expressed as molar element/Ca ratios. Diagenesis processes in old shells may affect the concentration of trace elements affecting accurate comparison between modern and antique shells. We also conducted a Micro-Raman Spectrometry analysis in several spots along the laser line in one of the oldest shells collected (CPL number 24074). This was done following the method describe by Wehrmeister et al. (2011) to check for possible geochemistry changes in the shell structure due to diagenesis.
$\mathrm{Mg} / \mathrm{Ca}$ ratios obtained from the modern shell sections representing the growth period from winter 2013 to winter 2014 were correlated with the daily water temperature data profile recorded during the same period (water temperature data measured at The Sydney Institute of Marine Science (SIMS) aquarium facility seawater intake). A total of 256 micro-increments in the shell CPL number 20267 and 257 micro-increments in the shell CPL number 23880 analysed were measured. Trace element data points from both shells were merged and averaged per daily micro-increment. Assuming a positive correlation between calcification rate and water temperature, the total 257 shell micro increments measured were matched with the 257 days with the warmest water temperatures during the period from winter 2013 to winter 2014. The resulting paired dataset allowed us to assign calendar dates to each micro-increment. The total period represented in this section of the shell covers from $\sim 25$ th of September 2013 to $\sim 23$ rd of June 2014. The best fit relation between daily averaged $\mathrm{Mg} / \mathrm{Ca}$ ratio and daily water temperature was fitted using a linear model (the lm function in R [ R Core Team, 2016]) to create a an $\mathrm{Mg} / \mathrm{Ca}$-water temperature calibration equation.

Growth rates of $C$. disrupta shells reduced dramatically when water temperature decreased below $\sim 18^{\circ} \mathrm{C}$; similarly, also the $\mathrm{Mg} / \mathrm{Ca}$ ratio decreased with decreasing water temperature, but reached minimum values at water temperature $\sim 18.5^{\circ} \mathrm{C}$ and remained relatively constant throughout the winter period when shell accretion was minimal (Chapter 2). For this reason, the calibration equation between $\mathrm{Mg} / \mathrm{Ca}$ ratio and water temperature derived for this species is useful when examining maximum annual water temperatures but it is not informative for water temperatures below $18.5^{\circ} \mathrm{C}$. In this study maximum annual water temperatures are defined as the $95 \%$ water temperature of all water temperature values derived from each annual section of the shells. $\mathrm{The} \mathrm{Mg} / \mathrm{Ca}$ -
water temperature calibration equation was used to estimate maximum annual water temperatures in the mid-Holocene (defined for this study as the period $\sim 3700-4700$ years ago), late-Holocene (defined as the period ~2000-2700 years ago) and colonial period (defined as the period $\sim 100-200$ years ago) based on the $\mathrm{Mg} / \mathrm{Ca}$ ratio of the shells collected from different sedimentary layers of the Watsons Bay excavation.

## Ba/Ca ratio peak interpretation

In Chapter 2 we found that isolated peaks in $\mathrm{Ba} / \mathrm{Ca}$ ratios in $C$. disrupta are likely to have been produced as a result of an increase in freshwater and fine terrestrial sediment input. $\mathrm{Ba} / \mathrm{Ca}$ ratio profiles were determined and annually aligned among shells to compare the frequency and magnitude of these peaks in the two modern shells analysed with those collected from the deep excavation layers (mid-Holocene: $\sim 3700$ to 4700 years old, two shells), the middle excavation layers (late-Holocene: ~ 2000-2700 years old, one shell) and from the surficial layers (colonial period: ~ 100-200 years old, one shell). Although there was insufficient shell material from the late-Holocene and colonial period to conduct detailed growth analyses of these periods, their $\mathrm{Ba} / \mathrm{Ca}$ profiles add important data for interpreting differences between the modern and the mid-Holocene populations.

## RESULTS

## Population Age and Growth

C. disrupta shell cross sections showed growth bands as narrow dark sections of slow growth separated by broad lighter sections of fast growth periods (Fig. 2). These dark growth bands are annual and start forming at the beginning of the austral winter (May), and extend until spring (September) as outlined in Chapter 2. Based on the number of annual growth marks and the distance between growth band and the shells' umbo, Von Bertalanffy Growth (VBG) curve parameters were calculated for the modern
C. disrupta population and the mid-Holocene population. Both curves are plotted in Fig. 3.

In both populations, the VBG curves showed rapid growth rates in the first two years followed by an exponential reduction in annual shell growth (Fig. 3). However, after the first two years, the live-collected population shows a more moderate decrease in growth rate compared to the mid-Holocene population, reaching an asymptotic length ( $L_{i n f}$ ) of $\sim 45 \mathrm{~mm}$ in 7 years. The growth rate decrease of the old population was more dramatic reaching an asymptotic length only about two thirds of the size ( $\mathrm{L}_{\text {inf }} \sim 30 \mathrm{~mm}$ ) in just 3 years. The maximum longevity calculated for these populations based on the Pauly et al. (1980) equation again was markedly higher in the modern population (9 years), than in the mid-Holocene population (3 years). Nevertheless, the overall growth performance indexes $P$ for these populations were relatively similar (4.46 for the modern population and 4.34 for the old population, see Table 2). The VBG equation derived for each populations are:

Modern:

$$
L_{t}=44.47\left[1-\mathrm{e}^{-0.33(\mathrm{t}-0.49)}\right]
$$

Mid-Holocene: $\quad L_{t}=27.59\left[1-\mathrm{e}^{-1.13(\mathrm{t}-0.18)}\right]$

The relative abundance of C. disrupta also varied significantly in the living molluscan community where this species represented $\sim 80 \%$ of all living molluscs collected, but only represent $\sim 2 \%$ of the total shell material collected from the deepest sedimentary layers of the Watsons Bay excavation (Mid-Holocene shells ~ 3700-4700 years old). The population density also was significantly higher in the modern population ( $\sim 0.5$ individual $/ \mathrm{m}^{2}$ ) compared with the mid-Holocene population ( $\sim 0.1$ individual $/ \mathrm{m}^{2}$ ). Shell material collected from the middle excavation layer (late-Holocene $\sim 2000-2700$ years old) and the surficial layer (colonial period ~ 100-200 years old) (for chronology
see: Dominguez et al. 2016), also showed low relative abundance ( $\sim 1.8 \%$ and $0.7 \%$ respectively). Unfortunately, we were unable to fit growth curves for these more recent populations due to an insufficient number of specimens present in those layers. A complete summary of each population is presented in Table 2.

## Trace Element Profiles

All the spots analysed using Micro-Raman Spectrometry show that the midHolocene shell is still aragonite and it did not show any signs of diagenesis. Consequently, the changes in C. disrupta shell trace element content listed below are unlikely to be due to diagenesis.

## Mg/Ca ratio

$\mathrm{Mg} / \mathrm{Ca}$ ratio in the modern C. disrupta shell showed a strong seasonality, with concentrations about three times higher in summers than during winters (Fig. 4). In contrast, the $\mathrm{Mg} / \mathrm{Ca}$ ratio of the two Mid-Holocene shells lacked clear seasonality, with random low values during the summers (Fig. 4). In general, the $\mathrm{Mg} / \mathrm{Ca}$ ratios were notably lower in the old shells with median values $\sim 0.3 \mathrm{mmol} / \mathrm{mol}$, less than half of the median values found in the modern shell $\sim 0.7 \mathrm{mmol} / \mathrm{mol} . \mathrm{Mg} / \mathrm{Ca}$ ratio profile from the surficial sedimentary layer shell (Colonial period ~ 100-200 years old) showed strong seasonality and similar $\mathrm{Mg} / \mathrm{Ca}$ ratio values to the modern shell (Fig. 4). On the other hand, the middle sedimentary layer shell (late-Holocene $\sim 2000-2700$ years old) displayed the strongest seasonality with consistent higher $\mathrm{Mg} / \mathrm{Ca}$ ratio values during summers than all the other shells analysed (Fig. 4).

## Mg/Ca ratio and water temperature

To use the $\mathrm{Mg} / \mathrm{Ca}$ ratios as water temperature proxy, we derived a linear regression from the relationship between daily water temperature variation and the
changes in $\mathrm{Mg} / \mathrm{Ca}$, based on data collected in Chapter 2. The linear calibration equation that explains the relationship between water temperature (WT) and $\mathrm{Mg} / \mathrm{Ca}$ ratios for this species is expressed as:

$$
\mathrm{WT}=2.99( \pm 0.22) * \mathrm{Mg} / \mathrm{Ca}+18.27( \pm 0.14)
$$

The r -squared obtained for this linear model $\left(\mathrm{r}^{2}=0.44\right)$ indicated that variation in $\mathrm{Mg} / \mathrm{Ca}$ can explain $44 \%$ of the variation in water temperature, however, other factors as calcification rates may also influence the $\mathrm{Mg} / \mathrm{Ca}$ variation (Carré et al. 2006; Takesue et al. 2008). The maximum annual temperatures derived from the two modern shells were consistent with similar values $\sim 22{ }^{\circ} \mathrm{C}$ (Fig. 5, 21.8-22.6 ${ }^{\circ} \mathrm{C}$ in CPL20267 and 21.7 $22.0^{\circ} \mathrm{C}$ in CPL23880). The maximum annual temperatures derived from analyses of the two shells from the mid-Holocene population also were consistent $\sim 20^{\circ} \mathrm{C}$ (Fig. 5, 19.7$20.5{ }^{\circ} \mathrm{C}$ in CPL24073 and $19.9-20.6^{\circ} \mathrm{C}$ in CPL24074). In comparison, median maximum annual water temperatures derived from the colonial period shell was slightly higher ( $\sim 0.5^{\circ} \mathrm{C}$ ) than the temperature derived from the modern shells, while the late Holocene shell indicated a median maximum water temperature $\sim 1{ }^{\circ} \mathrm{C}$ higher than modern shell derived temperatures (see Fig. 5).

## Ba/Ca ratios

$\mathrm{Ba} / \mathrm{Ca}$ ratio profiles in the modern shells showed marked differences with the $\mathrm{Ba} / \mathrm{Ca}$ profiles of the colonial, mid and late Holocene shells analysed. In the modern shell $\mathrm{Ba} / \mathrm{Ca}$ ratios were constantly very low during the three years analysed $(\sim 0.02 \mathrm{mmol} / \mathrm{mol})$ with seasonal variation showing slightly higher values in summer but never reaching values higher than $0.03 \mathrm{mmol} / \mathrm{mol}$. On the other hand, the two mid-Holocene shells showed a similar background signal ( $\sim 0.02 \mathrm{mmol} / \mathrm{mol}$ ) with frequent high $\mathrm{Ba} / \mathrm{Ca}$ peaks. These peaks were mainly present during summer in both shells $\sim 0.15 \mathrm{mmol} / \mathrm{mol}$ but both
shells showed at least one very large peak up to 20 times the background concentration~ $0.4 \mathrm{mmol} / \mathrm{mol}$ (see Fig. 76).

The $\mathrm{Ba} / \mathrm{Ca}$ ratio profile in the late Holocene shell showed a similar pattern to that of the two mid-Holocene shells with several moderate peaks along the shell and in one particular year, extremely high values of up to $\sim 0.3 \mathrm{mmol} / \mathrm{mol}$ (Fig. 6). Finally, the colonial shell yielded the highest average $\mathrm{Ba} / \mathrm{Ca}$ ratio, displaying important peaks along all the shell. These peaks were consistently high with values $\sim 0.25 \mathrm{mmol} / \mathrm{mol}$ (Fig. 6).

## DISCUSSION

The VBG curve for the modern population of C. disrupta (Fig. 3) shows rapid growth in the first three years followed by a steady decrease in growth rates until shells reached a maximum length of $\sim 44 \mathrm{~mm}$ at $\sim 9$ years. The mid-Holocene shells grew at similar rates during the 2 first years, but after two years, the annual growth rate decreased rapidly reaching a maximum length of only $\sim 28 \mathrm{~mm}$ and a calculated life span of just $\sim 3$ years (Fig. 3). The modern population is both more abundant and larger in the area than it was in the mid-Holocene, with density $\sim 0.5$ individuals $/ \mathrm{m}^{2}$ and representing $\sim 80 \%$ of all living bivalves collected, compared with a density $\sim 0.1$ individuals $/ \mathrm{m}^{2}$ and a relative abundance of just $\sim 2 \%$ of the mid-Holocene bivalve population (Table 2).

Large differences in growth rates have been reported among modern populations of the genus Callista related to differences in local environmental conditions. For example, Selin (2016) found that $C$. brevisiphonata in areas exposed to wave action in the Japan Sea had growth rates 1.5 times slower than those in deeper protected areas; latitude also influenced growth rate in this species with populations in northern latitudes growing more slowly and taking more time to reach commercial sizes. Large differences in the life span of $C$. chione have been documented in the Mediterranean. In the Eastern

Mediterranean they reach $\sim 20$ years of age (Leontarakis and Richardson, 2005), whereas in the Western Mediterranean they can live up to 44 years of age (Ezgeta-Balić et al. 2011). Although the precise environmental variables responsible for these differences in C. chione were not determined, the contrasting results demonstrate a high degree of life history plasticity in this genus and an ability to deal with a variety of different conditions.

The $\mathrm{Mg} / \mathrm{Ca}$ and $\mathrm{Ba} / \mathrm{Ca}$ ratios of C. disrupta shells collected during this study suggested that the environmental conditions ~ 36700-4700 years ago were notably different to the current conditions in Sydney Harbour. The use of $\mathrm{Mg} / \mathrm{Ca}$ ratios as a proxy for water temperatures in bivalve shells can be controversial: some studies have found strong ontogenetic and vital effects determining the $\mathrm{Mg} / \mathrm{Ca}$ concentration in bivalves resulting in high levels of intraspecific variation (Freitas et al., 2008; Wanamaker et al., 2008; Schöne et al., 2011). Studies evaluating the site-specific component in $\mathrm{Mg} / \mathrm{Ca}$ variation within species are rare. Tynan et al. (2016) showed significant differences in $\mathrm{Mg} / \mathrm{Ca}$ shell content between two populations of Saccostrea glomerata. It is suggested that dissimilarities were due to strong water salinity differences between locations, however, $\mathrm{Mg} / \mathrm{Ca}$ values were consistent within populations and highly correlated with water temperature. Other studies have found intraspecific consistency in $\mathrm{Mg} / \mathrm{Ca}$ values and strong correlations with water temperature (Klein et al., 1996; Vander Putten et al., 2000). Our previous work (see Chapter 2) found that $\mathrm{Mg} / \mathrm{Ca}$ ratios in C . disrupta were consistent between the two shells analysed and potentially can be use as proxy for water temperatures above $18.5^{\circ} \mathrm{C}$ in the Sydney Harbour region. However, the linear equation that explains the relationship between temperature and $\mathrm{Mg} / \mathrm{Ca}$ in this species has a relatively low determination coefficient $\left(r^{2}=0.44\right)$. This means that temperature can only explain $44 \%$ of $\mathrm{Mg} / \mathrm{Ca}$ variation which significantly increases the uncertainty of the predicted temperatures.

Furthermore, compared to extant shells, fossil samples of the same species usually contain lower organic contents, because the organic moiety preferentially degrades over time (Clark li, 1999). This could potentially affect trace element concentrations, such as magnesium content, which is suggested to reside partially in the organic moiety of the shell (e.g. Takesue et al. 2008, Schöne et al. 2010). We found that the Mg content of $C$. disrupta shells is $0.016 \mathrm{wt} \%$ per laser ablation microprobe (LAM) and that the total organic content in this species is $1.7 \mathrm{wt} \%$ (Agbaje personal communication 2018). That suggests about $0.00027 \mathrm{wt} \%$ "organic" Mg in the shell, hence the effect of degradation of organic material and loss of any organically-bound Mg on the trace element to calcium ratios reported here, is considered negligible. It is relevant to say that the distribution of organics is heterogeneous within the shell which means our LA-ICP-MS could have sampled parts of the shell with higher percentages of organics (e.g. Growth Bands). However, the $\mathrm{Mg} / \mathrm{Ca}$ data correlated with temperature came from the rapid growth sections of the shell (between growth bands) where the percentage of organics is minimal (Schöne et al. 2010).

The water temperature derived from $\mathrm{Mg} / \mathrm{Ca}$ ratio in $C$. disrupta shells suggest that during the mid-Holocene ( $\sim 3700-4700$ years ago) the maximum annual water temperatures in Sydney Harbour were $1.9^{\circ} \mathrm{C}$ lower than current water temperatures ( $20.1 \pm 0.3$ vs. $22.0 \pm 0.3$, Figs. $5 \& 7$ ). Our results also show that by the late-Holocene ( $\sim$ 2000-2700 years ago) water temperature had increased $1.3{ }^{\circ} \mathrm{C}$ above current temperatures in the area ( 23.3 vs $22.0 \pm 0.3$, Figs. 5 \& 7). Interestingly, water temperatures derived from the colonial period shell ( 22.5 vs. $22.0 \pm 0.3$, Figs. $5 \& 7$ ) were similar to modern temperature suggesting a decrease in water temperature in the last $\sim 2000$ years (Fig. 7). These results are consistent with findings of Baker et al. (2007) based on fixed biological indicators (FBI) found in Port Hacking (~ 30 km south of Sydney Harbour).

This study suggested a model of oscillating water temperature in the area during the last ~ 6000 years, with a colder period $\sim 2{ }^{\circ} \mathrm{C}$ below current conditions between $5200-4500$ years ago, followed by warmer period that extended until $\sim 3600$ years ago. Although Baker et al. (2007) found temperatures earlier than $\sim 3600$ years ago to be inconclusive in Port Hacking, results from the same study in southeast Brazil showed another warmer short period $\sim 2000$ years ago, $\sim 1^{\circ} \mathrm{C}$ above current temperatures. A recent study (Sadler et al. 2016) based on $\mathrm{Sr} / \mathrm{Ca}$ ratios in coral Porites in Heron Reef, southern Great Barrier Reef (GBR) ( $\sim 1000 \mathrm{~km}$ north of Sydney), also concluded that the mid-Holocene $\sim 5200$ years ago was a significantly cooler period $\left(\sim 2.76-1.31^{\circ} \mathrm{C}\right)$ in the area.

The mid and late Holocene was a period of unstable climate characterized by cycling periods of climate changes (Mayewski et al., 2004; Migowski et al., 2006; Wanner et al. 2008). Evidence of cyclic warming and cooling periods of $\sim 1500$ years have been described in ice cores from the North (Bond et al. 1997) and the South Poles (Masson-Delmotte et al. 2004). In Australia the mid/late Holocene period was accompanied by increasing dryness, increasing insolation and a weakening of westerly winds mainly as a result of a southern migration of Intertropical Convergence Zone (ITCZ) ~ 7000-4000 years ago (Shulmeister and Lees 1995; Haug et al. 2001; Moros et al. 2009 ). Several authors agree that the sea level was $\sim 1.5$ meters higher at $\sim 7000$ years ago than at present. However, the path to the current sea level is still under discussion with some authors supporting a model of constant decrease and others supporting a model of cycling periods of higher and lower levels (for a review see Lewis et al. 2013).

The two mid-Holocene C. disrupta shells analysed in the present study (~ 3700 4700 years old), are inferred to have lived in a period of climate transition with significant cooler water temperatures, possibly dominated by stronger westerly winds and a higher sea level. Cooler temperatures and higher wave energy likely would have had a negative
effect on growth rates of Sydney Harbour Callista (Selin 2016), which would explain the marked differences of growth rates between mid-Holocene populations compared with the modern C. disrupta population in Sydney Harbour. Although the significantly colder environmental conditions ~ 5000 years ago compared with the present may explain differences in growth rates in C. disrupta, these changes do not explain the recent changes in relative abundance of this species in Sydney Harbour. The relative abundance of $C$. disrupta remains extremely low in all historical populations sampled, from the midHolocene period through the colonial period and represents less than $2.5 \%$ of the shell material collected in the Watsons Bay excavation (Table 2). On the other hand, $C$. disrupta was the most common living bivalve species sampled representing up to $\sim 80 \%$ of all the living molluscs collected. These results show a dramatic increase in relative abundance of the modern C. disrupta population in outer Sydney Harbour during the last century (Table 2).

Interestingly, the frequency of high $\mathrm{Ba} / \mathrm{Ca}$ peaks in the $C$. disrupta shells showed a negative relationship with the increase in relative abundance of its population over time. $\mathrm{Ba} / \mathrm{Ca}$ profiles in the two shells from the Mid-Holocene, the shell from the late Holocene and the colonial period shell from the surficial layer displayed frequent high $\mathrm{Ba} / \mathrm{Ca}$ peaks, while in the modern shells those peaks were absent, showing a flat profile with constant low ratios (Fig. 6). Ba/Ca ratios in bivalves are typically characterized by a background signal of low values interrupted by sharp peaks of markedly higher values (Vander Putten et al., 2000; Gillikin et al., 2008; Thébault et al., 2009). The origin of these peaks is not certain, but they may be related to freshwater and fine terrestrial sediment influx (Gillikin et al. 2006; Risk et al., 2010), upwelling (Hatch et al., 2013) and phytoplankton blooms (Stecher et al., 1996; Thébault et al., 2009). Nevertheless, the synchronous appearance of these peaks in different individuals from different ages that inhabit the same areas
suggests that environmental parameters are the cause rather than internal metabolic processes (DeLong et al. 2007; Gillikin et al. 2008; Marali et al. 2015).

In chapter 2, we present evidence that isolated $\mathrm{Ba} / \mathrm{Ca}$ peaks in $C$. disrupta in Sydney Harbour are strongly correlated with a strong increase of freshwater influx into the system. Following this rationale, the $\mathrm{Ba} / \mathrm{Ca}$ profiles obtained in this study suggest a reduction in the influx of freshwater and/or fine terrestrial sediments into the outer Sydney Harbour area (Watsons Bay) associated with the period of western colonisation. Although a direct relationship between decrease in freshwater influx and changes in the relative abundance of C. disrupta is difficult to prove, it is clear that both changes coincide with the colonisation of the Sydney Harbour area in the last two centuries and are evidence of a rapid change in the environmental conditions of the area. Sydney Harbour's catchment area experienced a fast process of industrialization and urbanization during the 19th century (Birch 2007), which included strong modification of the Parramatta River foreshore (McLoughlin 2000). This increase in industrial and urban developer activity in the area likely to be responsible for recent changes in the hydrologic dynamics which could explain the differences observed in the $\mathrm{Ba} / \mathrm{Ca}$ ratios between the modern shell and all the historical shells analysed (Fig. 6).

With industrialization came the discharge of industrial waste directly into the harbor that extended until the Clean Water Act was implemented and governmental controls were put into place in the 1970's (Taylor et al. 2004; Birch 2007). The impact of anthropogenic activities over the past two centuries is likely to have been responsible for the recent changes in the hydrological conditions and the structure of the local molluscan community. Dominguez et al. (2016) showed that the Cardiidae Fulvia tenuicostata was the dominant subtidal bivalve species in Sydney Harbour from the mid Holocene until ~ 150 year ago, when it became functionally extinct in the area. The recent dominance of $C$.
disrupta in the harbor may be related with the decline of $F$. tenuicostata. Although the exact causes behind this dramatic change in species composition are not certain, it is most likely that it relates to anthropogenic impact on the area. Unfortunately, the lack of studies on the ecology of these two species makes it difficult to infer interspecific differences in response to environmental stress. However, two studies on a closely related species F. fragilis in the Mediterranean Sea (Öztürk and Poutiers 2005; Mahmoud et al. 2010), have shown that Fulvia is highly resistant to pollution and changes in salinity, but there is no reason to suggest that C. disrupta would thrive in pollution sufficiently to cause the decline of $F$. tenuicostata.

We propose a scenario consistent with our data that explains the recent dominance of C. disrupta in the area. Firstly, anthropogenic impact on Sydney Harbour during the 19th century resulted in a general decline in most molluscan species in the area, including F. tenuicostata and C. disrupta. This is observed in the general decline in shell material associated with this time period. Secondly, as water conditions improved with the implementation of governmental controls on the industrial waste disposal in the 1970's (Taylor et al. 2014) and improvements to sewage treatment through the 1990's (Birch, 2000) C. disrupta populations recovered more rapidly and effectively than $F$. tenuicostata. This is consistent with the reduction in the abundance and age-frequency distributions documented for $F$. tenuicostata in the surficial sedimentary samples (Dominguez et al. 2016) and the population structure dominated by young individuals of the living C. disrupta population discussed in chapter 2. Also, some circumstantial evidence that supports this hypothesis is the low number of $C$. disrupta shells on the surficial sedimentary layer ( $\sim 0.2$ shell $/ \mathrm{m}^{2}$ ) a third of the living population density (Table 2). This rarity in dead shells suggests that the modern population has not been in the area for more than a couple of generations ( $\sim 20$ years). However, more studies in the ecology
and adaptive responses of these species are necessary to arrive to a more conclusive hypotheses about the mechanism behind the recent changes in the molluscan community structure of Sydney Harbour.

## CONCLUSION

Bivalve shells are reliable bioarchives of the current and historical status of the benthic community, as well as important and durable records of the environmental history of Sydney Harbour. Comparing differences in population abundance, growth rate and shell composition among modern and historical C. disrupta populations enables us to infer historical environmental changes that have affected Sydney Harbour since the midHolocene. These data suggest a mid-Holocene maximum annual water temperature $\sim 2$ ${ }^{\circ} \mathrm{C}$ below the present day. We were also able to establish that anthropogenic impact in the area over the past two centuries, dramatically changed the hydrological characteristics of the harbor and the subtidal molluscan community structure. However, further research into the mechanism that control the accumulation of trace elements in bivalve shells are necessary to improve the accuracy of palaeoecological interpretation. This study is a demonstration of the importance of palaeobiological context to understanding modern ecological communities and the need for additional knowledge of the ecological and sclerochronological characteristics of Australian bivalves.

## REFERENCES

Agbaje, O.B.A., Thomas, D.E., Dominguez, J.G., Mclnerney, B.V., Kosnik, M.A. and JACOB D.E. (Submitted), The organic macromolecules in bivalves shells with crossed lamellar microstructure: Material Science and Engineering C.

Ansell, A.D., 1961, The Functional Morphology of the British Species of Veneracea (Eulamellibranchia): Journal of the Marine Biological Association of the United Kingdom, v. 41, p. 489-517, doi: doi:10.1017/S0025315400024012.

Atlas of Living Australia: Australia's species: Callista disrupta HTTP://BIE.ALA.ORG.AU/SPECIES/URN:LSID:BIODIVERSITY.ORG.AU:AFD.TAXON:D43F BF93-15D4-4470-8426-A76CEA149265 Checked on September 2016.

Baker, R., Haworth, R., and Flood, P., 2001, Warmer or cooler late Holocene marine palaeoenvironments?: interpreting southeast Australian and Brazilian sea-level changes using fixed biological indicators and their $\delta 18 \mathrm{O}$ composition: Palaeogeography, palaeoclimatology, palaeoecology, v. 168, p. 249-272.

Barats, A., Amouroux, D., Chauvaud, L., Pécheyran, C., Lorrain, A., Thébault, J., Church, T., and Donard, O.F., 2009, High frequency Barium profiles in shells of the Great Scallop Pecten maximus: a methodical long-term and multi-site survey in Western Europe: Biogeosciences, v. 6, p. 157-170.

Birch, G., 2000, Marine pollution in Australia, with special emphasis on central New South Wales estuaries and adjacent continental margin: International Journal of Environment and Pollution, v. 13, p. 573-607.

Birch, G.F., 2007, A short geological and environmental history of the Sydney estuary, Australia, in: Birch, G.F., ed. Water, Art and Debate: Sydney University Press, v. 17, p. 217-246.

Bond, G., Showers, W., Cheseby, M., Lotti, R., Almasi, P., deMenocal, P., Priore, P., Cullen, H., Hajdas, I., and Bonani, G., 1997, A Pervasive Millennial-Scale

Cycle in North Atlantic Holocene and Glacial Climates: Science, v. 278, p. 12571266, doi: $10.1126 /$ science.278.5341.1257

Brocas, W., Reynolds, D.J., Butler, P., Richardson, C., Scourse, J., Ridgway, I., and Ramsay, K., 2013, The dog cockle, Glycymeris glycymeris (L.), a new annually-resolved sclerochronological archive for the Irish Sea: Palaeogeography, palaeoclimatology, palaeoecology, v. 373, p. 133-140.

Carré, M., Bentaleb, I., Bruguier, O., Ordinola, E., Barrett, N.T., and Fontugne, M., 2006, Calcification rate influence on trace element concentrations in aragonitic bivalve shells: Evidences and mechanisms: Geochimica et Cosmochimica Acta, v. 70, p. 4906-4920, doi: http://dx.doi.org/10.1016/j.gca.2006.07.019.

Clark LI, G.R., 1999, Organic matrix taphonomy in some molluscan shell microstructures: Palaeogeography, palaeoclimatology, palaeoecology, v. 149, p. 305-312, doi: https://doi.org/10.1016/S0031-0182(98)00208-9

DeLong, K.L., Quinn, T.M., and TAyLor, F.W., 2007, Reconstructing twentieth-century sea surface temperature variability in the southwest Pacific: A replication study using multiple coral $\mathrm{Sr} / \mathrm{Ca}$ records from New Caledonia: Paleoceanography, v. 22.

Dominguez, J.G., Kosnik, M.A., Alle, A.P., Hua, Q., Jacob, D.E., Kaufman, D.S., and Whitacre, K., 2016, Time-averaging and stratigraphic resolution in death assemblages and Holocene deposits: Sydney Harbour's molluscan record: PALAIOS, v. 31, p. 563-574.

Dominguez, J.G., Kosnik, M.A., Jacob, D.E. and Herath, D. (in prep.), Callista disrupta (Bivalve:Veneridae) in Sydney Harbour, NSW: A new daily-resolved
sclerochronological archive for the east coast of Australia: Palaeogeography, palaeoclimatology, palaeoecology

Ezgeta-Balić, D., Peharda, M., Richardson, C., Kuzmanić, M., Vrgoč, N., and ISAJLOVIĆ, I., 2011, Age, growth, and population structure of the smooth clam Callista chione in the eastern Adriatic Sea: Helgoland Marine Research, v. 65, p. 457-465, doi: 10.1007/s10152-010-0235-y.

Freitas, P., Clarke, L., Kennedy, H., and Richardson, C., 2008, Inter-and intraspecimen variability masks reliable temperature control on shell $\mathrm{Mg} / \mathrm{Ca}$ ratios in laboratory and field cultured Mytilus edulis and Pecten maximus (bivalvia): Biogeosciences Discussions, v. 5, p. 531-572.

Gillikin, D.P., Dehairs, F., Lorrain, A., Steenmans, D., Baeyens, W., and André, L., 2006, Barium uptake into the shells of the common mussel (Mytilus edulis) and the potential for estuarine paleo-chemistry reconstruction: Geochimica et Cosmochimica Acta, v. 70, p. 395-407, doi: http://dx.doi.org/10.1016/j.gca.2005.09.015.

Gillikin, D.P., Lorrain, A., Paulet, Y.-M., André, L., and Dehairs, F., 2008, Synchronous barium peaks in high-resolution profiles of calcite and aragonite marine bivalve shells: Geo-Marine Letters, v. 28, p. 351-358, doi: 10.1007/s00367-008-0111-9.

Hatch, M.B.A., Schellenberg, S.A., And Carter, M.L., 2013, Ba/Ca variations in the modern intertidal bean clam Donax gouldii: An upwelling proxy?: Palaeogeography, palaeoclimatology, palaeoecology, v. 373, p. 98-107, doi: http://dx.doi.org/10.1016/j.palaeo.2012.03.006.

Haug, G.H., Hughen, K.A., Sigman, D.M., Peterson, L.C., and Röhl, U., 2001, Southward migration of the intertropical convergence zone through the Holocene: Science, v. 293, p. 1304-1308.

Izzo, C., Manetti, D., Doubleday, Z.A., and Gillanders, B.M., 2016, Calibrating the element composition of Donax deltoides shells as a palaeo-salinity proxy: Palaeogeography, palaeoclimatology, palaeoecology, doi: http://dx.doi.org/10.1016/j.palaeo.2016.11.038

Hutchings, P., Ahyong, S., Ashcroft, M., McGrouther, M., and Reid, A., 2013, Sydney Harbour: its diverse biodiversity: Australian Zoologist, v. 36, p. 255-320, doi: doi:10.7882/AZ.2012.031.

Jochum, K., And Nehring, F., 2006, GeoReM preferred values. http://georem.mpchmainz.gwdg.de/sample_query_pref.asp.

Klein, R.T., Lohmann, K.C., and Thayer, C.W., 1996, Bivalve skeletons record seasurface temperature and $\delta^{18} \mathrm{O}$ via $\mathrm{Mg} / \mathrm{Ca}$ and ${ }^{18} \mathrm{O} /{ }^{16} \mathrm{O}$ ratios: Geology, v. 24, p. 415-418, doi: 10.1130/0091-7613(1996)024<0415:bsrsst>2.3.co;2.

Kosnik, A.M., Hua, Q., Kaufman, D., and Zawadzki, A., 2015, Sediment accumulation, stratigraphic order, and the extent of time-averaging in lagoonal sediments: a comparison of ${ }^{210} \mathrm{~Pb}$ and ${ }^{41} \mathrm{C} /$ amino acid racemization chronologies: Coral Reefs, v. 34, p. 215-229, doi: 10.1007/s00338-014-1234-2.

Lamprell, K., and Whitehead, T., 1992, Bivalves of Australia: Crawford House, Bathurst, v. 1, 182 p.

Leontarakis, P.K., and Richardson, C.A., 2005, Growth of the smooth clam, Callista chione (Linnaeus, 1758) (Bivalvia: Veneridae) from the Thracian Sea, northeastern Mediterranean: Journal of Molluscan Studies, v. 71, p. 189-192, doi: 10.1093/mollus/eyi022.

Lewis, S.E., Sloss, C.R., Murray-Wallace, C.V., Woodroffe, C.D., and Smithers, S.G., 2013, Post-glacial sea-level changes around the Australian margin: a review: Quaternary Science Reviews, v. 74, p. 115-138.

Mahmoud, N., Dellali, M., El Bour, M., Aissa, P., and Mahmoudi, E., 2010, The use of Fulvia fragilis (Mollusca: Cardiidae) in the biomonitoring of Bizerta lagoon: a mutimarkers approach: Ecological Indicators, v. 10, p. 696-702.

Marali, S., Schöne, B.R., Mertz-Kraus, R., Griffin, S.M., Wanamaker, A.D., Matras, U., and Butler, P.G., 2015, $\mathrm{Ba} / \mathrm{Ca}$ ratios in shells of Arctica islandica-Potential environmental proxy and crossdating tool: Palaeogeography, palaeoclimatology, palaeoecology.

Masson-Delmotte, V., Schulz, M., Abe-Ouchi, A., Beer, J., Ganopolski, A., González Rouco, J., Jansen, E., Lambeck, K., Luterbacher, J., and Naish, T., 2013, Information from paleoclimate archives: Climate change, v. 383464, p. 2013.

Masson-Delmotte, V., Stenni, B., and Jouzel, J., 2004, Common millennial-scale variability of Antarctic and Southern Ocean temperatures during the past 5000 years reconstructed from the EPICA Dome C ice core: The Holocene, v. 14, p. 145-151.

Mayewski, P.A., Rohling, E.E., Curt Stager, J., Karlén, W., Maasch, K.A., David Meeker, L., Meyerson, E.A., Gasse, F., van Kreveld, S., Holmgren, K., LeeThorp, J., Rosqvist, G., Rack, F., Staubwasser, M., Schneider, R.R., and SteIG, E.J., 2004, Holocene climate variability: Quaternary Research, v. 62, p. 243-255, doi: http://dx.doi.org/10.1016/j.yqres.2004.07.001

McLoughlin, L.C., 2000, Estuarine wetlands distribution along the Parramatta River, Sydney, 1788-1940: implications for planning and conservation: Cunninghamia, v. 6, p. 579-610.

Migowski, C., Stein, M., Prasad, S., Negendank, J.F.W., and Agnon, A., 2006, Holocene climate variability and cultural evolution in the Near East from the Dead Sea sedimentary record: Quaternary Research, v. 66, p. 421-431, doi: http://dx.doi.org/10.1016/j.yqres.2006.06.010

Moros, M., De Deckker, P., Jansen, E., Perner, K., and Telford, R.J., 2009, Holocene climate variability in the Southern Ocean recorded in a deep-sea sediment core off South Australia: Quaternary Science Reviews, v. 28, p. 19321940.

OgLe, D.H. 2016. FSA: Fisheries Stock Analysis. R package version 0.8.11.

OzCoast (Geoscience Australia) 2015, Database number 37: Port Jackson (NSW). http://www.ozcoasts.gov.au/search_data/detail_result.jsp. Checked November 2015.

Öztürk, B., and Poutiers, J.-M., 2005, Fulvia fragilis (Bivalvia: Cardiidae): A lessepsian mollusc species from Izmir bay (Aegean sea): Journal of the Marine Biological Association of the United Kingdom, v. 85, p. 351-356.

PaUly, D., 1979, Gill size and temperature as governing factors in fish growth: a generalization of von Bertalanffy's growth formula. Institut für Meereskunde an der Universita"t Kiel No. 63, 156 pp.

PaUly, D., 1980, On the interrelationships between natural mortality, growth parameters, and mean environmental temperature in 175 fish stocks: Journal du Conseil, v. 39, p. 175-192.

R Core Team, 2016, R: A language and environment for statistical computing. R Foundation for Statistical Computing, Vienna, Austria.

Risk, M.J., Burchell, M., De Roo, K., Nairn, R., Tubrett, M., and Forsterra, G., 2010, Trace elements in bivalve shells from the Río Cruces, Chile: Aquatic Biology, v. 10, p. 85-97.

Rhoads, D.C., And Lutz, R.A., (Editors), 1980, Skeletal Growth of Aquatic Organisms: Plenum Publishing Corporation, New York, 750 pp.

Sadler, J., Webb, G.E., Leonard, N.D., Nothdurft, L.D., and Clark, T.R., 2016, Reef core insights into mid-Holocene water temperatures of the southern Great Barrier Reef: Paleoceanography, v. 31, p. 1395-1408.

Schöne, B.R., Lega, J., W. Flessa, K., Goodwin, D.H., and Dettman, D.L., 2002, Reconstructing daily temperatures from growth rates of the intertidal bivalve mollusk Chione cortezi (northern Gulf of California, Mexico): Palaeogeography, palaeoclimatology, palaeoecology, v. 184, p. 131-146, doi: http://dx.doi.org/10.1016/S0031-0182(02)00252-3.

Schöne, B.R., Castro, A.D.F., Fiebig, J., Houk, S.D., Oschmann, W., and Kröncke, I., 2004, Sea surface water temperatures over the period 1884-1983 reconstructed from oxygen isotope ratios of a bivalve mollusk shell (Arctica islandica, southern North Sea): Palaeogeography, palaeoclimatology, palaeoecology, v. 212, p. 215232.

Schöne, B.R., Zhang, Z., Jacob, D.,Gillikin, D.P., Tütken, T., Garbe-Schöberg, D., and Soldati, A., 2010, Effect of organic matrices on the determination of the trace element chemistry ( $\mathrm{Mg}, \mathrm{Sr}, \mathrm{Mg} / \mathrm{Ca}, \mathrm{Sr} / \mathrm{Ca}$ ) of aragonitic bivalve shells (Arctica islandica)-Comparison of ICP-OES and LA-ICP-MS data: Geochemical journal, v. 44, p. 23-37.

Schöne, B.R., Zhang, Z., Radermacher, P., Thébault, J., Jacob, D.E., Nunn, E.V., AND MAURER, A.-F., 2011, $\mathrm{Sr} / \mathrm{Ca}$ and $\mathrm{Mg} / \mathrm{Ca}$ ratios of ontogenetically old, longlived bivalve shells (Arctica islandica) and their function as paleotemperature proxies: Palaeogeography, palaeoclimatology, palaeoecology, v. 302, p. 52-64, doi: http://dx.doi.org/10.1016/j.palaeo.2010.03.016.

Selin, N., 2016, Spatial growth rate variability in Callista brevisiphonata (Carpenter, 1865) (Bivalvia: Veneridae): Russian Journal of Marine Biology, v. 42, p. 308314.

Shulmeister, J., and Lees, B.G., 1995, Pollen evidence from tropical Australia for the onset of an ENSO-dominated climate at c. 4000 BP: The Holocene, v. 5, p. 10-18.

Skene, D., and Ryan, D., 2003, Milestone Report CG1-03 for the Coastal Geomorphology Classification Subproject Sydney Harbour Sediment Sampling Results: Cooperative Research Centre for Coastal Zone, Estuary and Waterway
Management (Coastal CRC). Report available online: http://dbforms.ga.gov.au/www/npm.ozcoast2.showmm?pBlobNo=8478

Soldati, A.L., Jacob, D.E., Schöne, B.R., Bianchi, M.M., and Hadjduk, A., 2009, Seasonal periodicity of growth and composition in valves of Diplodon chilensis patagonicus (d'Orbigny, 1835): Journal of Molluscan Studies, v. 75, p. 75-85, doi: 10.1093/mollus/eyn044.

Stecher, H.A., Krantz, D.E., Lord, C.J., Luther, G.W., and Bock, K.W., 1996, Profiles of strontium and barium in Mercenaria mercenaria and Spisula solidissima shells: Geochimica et Cosmochimica Acta, v. 60, p. 3445-3456, doi: http://dx.doi.org/10.1016/0016-7037(96)00179-2

Takesue, R.K., Bacon, C.R., and Thompson, J.K., 2008, Influences of organic matter and calcification rate on trace elements in aragonitic estuarine bivalve shells: Geochimica et Cosmochimica Acta, v. 72, p. 5431-5445, doi: http://dx.doi.org/10.1016/j.gca.2008.09.003

Taylor, S., Birch, G., and Links, F., 2004, Historical catchment changes and temporal impact on sediment of the receiving basin, Port Jackson, New South Wales: Australian Journal of Earth Sciences, v. 51, p. 233-246.

Tynan, S., Opdyke, B.N., Walczak, M., EgGins, S., and Dutton, A., 2016, Assessment of $\mathrm{Mg} / \mathrm{Ca}$ in Saccostrea glomerata (the Sydney rock oyster) shell as a potential temperature record: Palaeogeography, palaeoclimatology, palaeoecology.

Thébault, J., Chauvaud, L., L'Helguen, S., Clavier, J., Barats, A., Jacquet, S., Pécheyran, C., and Amouroux, D., 2009, Barium and molybdenum records in
bivalve shells: Geochemical proxies for phytoplankton dynamics in coastal environments?: Limnology and Oceanography, v. 54, p. 1002-1014.

Vander Putten, E., Dehairs, F., Keppens, E., and Baeyens, W., 2000, High resolution distribution of trace elements in the calcite shell layer of modern Mytilus edulis: Environmental and biological controls: Geochimica et Cosmochimica Acta, v. 64, p. 997-1011.

Wanamaker Jr, A.D., Kreutz, K.J., Wilson, T., Borns Jr, H.W., Introne, D.S., and Feindel, S., 2008, Experimentally determined $\mathrm{Mg} / \mathrm{Ca}$ and $\mathrm{Sr} / \mathrm{Ca}$ ratios in juvenile bivalve calcite for Mytilus edulis: implications for paleotemperature reconstructions: Geo-Marine Letters, v. 28, p. 359-368

Wanner, H., Beer, J., Bütikofer, J., Crowley, T.J., Cubasch, U., Flückiger, J., Goosse, H., Grosjean, M., Joos, F., Kaplan, J.O., Küttel, M., Müller, S.A., Prentice, I.C., Solomina, O., Stocker, T.F., Tarasov, P., Wagner, M., and Widmann, M., 2008, Mid- to Late Holocene climate change: an overview: Quaternary Science Reviews, v. 27, p. 1791-1828, doi: http://dx.doi.org/10.1016/j.quascirev.2008.06.013

Watanabe, T., Winter, A., and Oba, T., 2001, Seasonal changes in sea surface temperature and salinity during the Little Ice Age in the Caribbean Sea deduced from $\mathrm{Mg} / \mathrm{Ca}$ and $18 \mathrm{O} / 16$ O ratios in corals: Marine Geology, v. 173, p. 21-35.

Wehrmeister, U., Jacob, D.E., Soldati, A.L., Loges, N., HÄGER, T., and Hofmeister, W., 2011, Amorphous, nanocrystalline and crystalline calcium carbonates in biological materials: Journal of Raman Spectroscopy, v. 42, p. 926-935, doi: 10.1002/jrs. 2835.

Yan, H., Sun, L., Shao, D., and Wang, Y., 2015, Seawater temperature seasonality in the South China Sea during the late Holocene derived from high-resolution $\mathrm{Sr} / \mathrm{Ca}$ ratios of Tridacna gigas: Quaternary Research, v. 83, p. 298-306, doi: http://dx.doi.org/10.1016/j.yqres.2014.12.001.

TABLES AND FIGURES

| Site | Coordinates | Sedimentary layer (m) | Area ( $\mathbf{m}^{\mathbf{2}}$ ) | Specimens ( $\mathbf{n}$ ) | Age (kyrs) |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Chinaman Beach | $-33.48775^{\circ} 151.15141^{\circ}$ | 0.2 | 6.5 | 1 | Living |
|  | $-33.81284^{\circ} 151.24893^{\circ}$ | 0.2 | 3.5 | 1 | Living |
| Delwood Beach | $-33.80175^{\circ} 151.27812^{\circ}$ | 0.2 | 3 | 1 | Living |
| Sow \& Pigs Reef | $-33.84041^{\circ} 151.26752^{\circ}$ | 0.2 | 1.5 | 1 | Living |
| Hunters Bay | $-33.84097^{\circ} 151.26447^{\circ}$ | 0.2 | 3 | 3 | Living |
|  | $-33.82344^{\circ} 151.26217^{\circ}$ | 0.2 | 2 | 4 | Living |
| Watsons Bay | $-33.49397^{\circ} 151.15658^{\circ}$ | 0.2 | 7.25 | 1 | Living |
|  | $-33.49381^{\circ} 151.15630^{\circ}$ | 0.2 | 5 | 3 | Living |
|  | $-33.84236^{\circ} 151.27751^{\circ}$ | 0.2 | 1 | 1 | Living |
|  | $-33.84213^{\circ} 151.27723^{\circ}$ | 0.2 | 2 | 1 | Living |
|  | $-33.84236^{\circ} 151.27731^{\circ}$ | 0.2 | 2 | 1 | Living |
|  | $-33.84252^{\circ} 151.27904^{\circ}$ | 0.2 | 10.5 | 2 | Living |
|  | $-33.82242^{\circ} 151.27853^{\circ}$ | 0.2 | 10 | 4 | Living |
|  | $-33.84224^{\circ} 151.27711^{\circ}$ | 0.2 | 3 | 3 | Living |
|  | $-33.84234^{\circ} 151.27734^{\circ}$ | 0.2 | 3 | 3 | Living |
|  | $-33.84236^{\circ} 151.27751^{\circ}$ | $0.3-0.5$ | 0.25 | 1 | $0.1-0.2$ |
|  |  | $0.8-1.16$ | 0.25 | 1 | $2.0-2.7$ |
|  |  | $1.5-1.8$ | 0.25 | 14 | $3.6-4.9$ |

TABLE 1. Collection site metadata. "Site" column refers to the name of sampling sites. "Location" is indicated using WGS84 GPS coordinates. "Sedimentary Layer" refers to the sediment depth where sample was collected. "Area" is the total area samples per site. "Specimens" lists the number of specimens analysed per sample (Note: This number do not reflect necessarily the total number of specimen in the sample).

| Population age (years BP) | n | Linf (mm) | K | OPG (P) | Longevity (years) | Densitiy (ind/m²) | Relative abundance (\%) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Modern | 30 | 44.47 | 0.33 | 4.46 | 9 | 0.6 | 86.2 |
| $\sim 100-200$ | 1 | no data | no data | no data | no data | 0.1 | 1.1 |
| ~2000-2700 | 1 | no data | no data | no data | no data | 0.1 | 1.9 |
| $\sim 3600-4900$ | 14 | 27.59 | 1.13 | 4.37 | 3 | 0.1 | 2.5 |

TABLE 2. Population data. "Population age" is the age range of the shell assemblages where samples were collected, years BP refers to years before present. "n" is the number of shells analysed. "Linf" refers to the asymptotic length of the population studied. " K " refers to the von Bertalanffy Growth constant. "OGP" lists the Overall Growth Performance indexes ( P ) values. "Longevity" refers to the life expectancy for the population. "Density" in the modern population is the number of living individuals per square meter, in the excavation layers is the number of complete right valves per square meter divided by the number of years preserved in the sedimentary layer. "Relative abundance" refers to the percentage in weight of C. disrupta shells compared with the total weight of molluscan collected in the sample.


FIGURE 1. A-C) Study area location. D) Map of outer Sydney Harbour; modified from Roads and Maritime Service (2013). Sites abbreviations: "WB" is Watsons Bay, "HB" is Hunter Bay, "CB" is Chinaman Beach, "DB" is Delwood Beach and "SP" refers to Sow and Pigs Reef.


FIGURE 2. Callista disrupta shells compared. Left-Up: Modern Callista disrupta right valve, white dashed line indicate the direction of cutting. Left-Down: Cross section of modern C. disrupta valve, white arrows indicate growth bands location. Right-Up: Mid-Holocene Callista disrupta right valve, white dashed line indicate the direction of cutting. Right-Down: Cross section of mid-Holocene C. disrupta valve, white arrows indicate growth bands location.


FIGURE 3. Von Bertalanffy Growth curves of modern and mid-Holocene C. disrupta populations in Sydney Harbour, determined from internal shell growth bands. Green curve refers to the modern population and green spots represent individuals shell measures. Blue curve refers to mid-Holocene population and blue spots represent individuals shell measures.


FIGURE 4. $\mathrm{Mg} / \mathrm{Ca}$ ratios profiles compared. The y -axis values are in $\mathrm{mmol} / \mathrm{mol}$ and $\log$ transformed for improving visualization. All $\mathrm{Mg} / \mathrm{Ca}$ profiles are aligned by annual growth bands (winters) using shell CPL20267 profile as reference. The x-axis is the rescale shell distance after alignment. The colour lines represent the average $\mathrm{Mg} / \mathrm{Ca}$ values profiles and the spots represent unaveraged $\mathrm{Mg} / \mathrm{Ca}$ data points.


FIGURE 5. Maximum annual temperatures derived from $\mathrm{Mg} / \mathrm{Ca}$ ratios from all shells analysed compared. The x -axis is individual shell CPL identification number. Black dots indicate the individual annual maximum temperatures, whiskers encompass $95 \%$ of the data, the bars encompass $50 \%$ of the data, and the horizontal bar is the median maximum annual temperatures. Plot is divided by dash lines indicating different historical periods, period name is writing above the x -axis


FIGURE 6. $\mathrm{Ba} / \mathrm{Ca}$ ratios profiles. Values are in $\mathrm{mmol} / \mathrm{mol}$ measured by LA-ICP-MS. Ba/Ca profiles are aligned by annual growth bands (winters) using shell CPL20267 as reference. The x -axis is the rescale shell distance after alignment.


FIGURE 7. Historical profile of maximum annual water temperatures of Sydney Harbour. Dots represent the median maximum annual temperature derived for each shell. Solid blue line represents the median age calculated for each shell, shaded area represent the $95 \%$ confidence interval. Dashed horizontal lines represent the age uncertainty and dashed vertical lines represent water temperature variability.

## SYNTHESIS

There is an increasing body of evidence that shows high global variability in the past climate conditions during the mid and late Holocene (e.g. Baker et al. 2001; MassonDelmotte et al. 2004; Sadler et al.2016). Different studies have shown a cycling environmental variation between cooler and warmer periods in this period, however these variations are not necessarily synchronic among locations and seem to respond to a mix of global and local environmental processes (for a review see Wanner et al. 2008). Due to this regional complexity, it is important to gather environmental information from as many different regions as possible to have a better idea of the climate dynamics behind this changes. Understanding Holocene climate variation is paramount to create a reliable baseline for current anthropogenic climate change studies and to model more accurate scenarios of its future ecological consequences.

In this thesis I used surficial and excavated molluscan death assemblages as environmental proxies for reconstructing ecological and environmental conditions of Sydney Harbour from the mid-Holocene to the Recent. Firstly, I focused on determining the chronological structure of the molluscan death assemblages in the area which was required to quantify the temporal resolution prior to further palaeoecological interpretation. I proposed a novel method to estimate time-averaging that separates the error associated with the dating from the effect of time averaging on the age distribution, producing an unprecedented accuracy in time-averaging estimation. Using this method, I found that in Sydney Harbour the upper 1.8 m of the sedimentary layer preserved stratigraphically ordered molluscan assemblages spanning the last $\sim 5000$ years. I also demonstrated that the combination of spatial and historical sampling enables much greater understanding of the processes forming these assemblages, and that this is key for interpreting spatial variability in time-averaging.

Secondly, I evaluated the potential of using C. disrupta shells as a palaeoecological archive for the area. This species was the most common living bivalve in the surficial sediment samples and it is very common along the east coast of Australia (Atlas of living Australia, 2016). My results suggested that this species forms annual growth bands, and based on those growth lines I could define individual growth paterns and population structure, I also found a significant positive linear relationship between seasonal changes in $\mathrm{Mg} / \mathrm{Ca}$ ratio and seawater temperature as well as a strong relationship between freshwater influx and peaks in $\mathrm{Ba} / \mathrm{Ca}$ concentrations. I concluded that populations of $C$. disrupta can be used as reliable bio-indicators of recent human impact as well as a reliable tool for historical environmental reconstruction.

Finally, I was able to identify strong differences in growth rates between modern, mid and late Holocene populations of C. disrupta. Based on the relationship previously determined between $\mathrm{Mg} / \mathrm{Ca}$ ratio and water temperature, I was able to derive annual maximum water temperatures that showed a cooler summer $\left(\sim 2^{\circ} \mathrm{C}\right)$ in the mid-Holocene compared with present day that may be related with the differences observed in growth rates. Also, I found a clear reduction in $\mathrm{Ba} / \mathrm{Ca}$ ratio which suggested an important change in hydrological characteristics of the area $\sim 150$ years ago. I proposed that this change is anthropogenic driven due to the rapid urbanization and industrialization of the Sydney area over the same period. This impact also was evident on the molluscan community where $C$. disrupta became dominant while Fulvia tenuicostata (the most common shell species found in the excavated death assemblages), became functionally extinct.

This study also produced new information about the marine weather during the Holocene in poorly studied area. I proposed a scenario of fluctuating temperatures, with cooler condition in the mid-Holocene ( $\sim 5000$ years ago) and warmer conditions in the late Holocene ( $\sim 2000$ years ago) relative to current sea temperatures. My results show
similar temperature changes in magnitude and timing to studies in the South and central Great Barrier Reef (Duprey et. al. 2012; Sandler et al. 2016), suggesting a low latitudinal variability and supporting the hypothesis of cycling periodical climate changes during the Holocene (for a review see Wanner et al. 2008). However, this study was based on a limited number of samples and the predicted uncertainties of the $\mathrm{Mg} / \mathrm{Ca}$ temperature was considerable. Based on these results, I suggest that further studies in the mechanism of trace metal incorporation to bivalve shell are necessary to improve the accuracy and reliability of these methods in palaeoecology. However, I also found that despite current limitations in the palaeoecological interpretation, the use of LA-ICP-MS method for reading trace elements in shells has enormous potential and provides an opportunity for further work with exceptionally high temporal resolution.

Using novel dating methods and a series of sclerochronological approaches, I was able to determine causes and mechanisms underlying spatial variability among surficial shell assemblages. I also discovered in C. disrupta a new high resolution palaeoecological archive for the east coast of Australia and I used it to produce new information on the mid and late Holocene environmental conditions of the south-eastern coast of Australia. This study is a confirmation of the enormous potential of using molluscan death assemblages for environmental reconstruction and a demonstration of the importance of palaeobiological context to understanding current environmental processes.

## FUTURE DIRECTIONS

Changes in bivalve growth rate and shell composition are linked to environmental changes, however this response is highly variable among species (Jones and Quitmyer, 1996; Lazareth et al., 2003; Pavlov et al., 2015), which make palaeoecological
interpretation a species specific matter. I found a significant gap for ecological and sclerochronological information on Australian subtidal bivalves, which may be driven by the lack of commercial interest in these species in this area. One of the aims of this study was to help close this gap with a comprehensive study in the age, growth, and population structure and shell elementary composition of C. disrupta. However, similar future studies focusing on other Australian bivalves species present in my samples are needed to improve the palaeoecological interpretation of the Holocene environmental history of Sydney Harbour. Currently, Matthew Kosnik and I are preparing a comprehensive manuscript that evaluate historical changes in molluscan productivity in Sydney Harbour across all the molluscan species collected.

As a clear example of this specie-specific limitation in the schlerochronological studies, in this study all the dating components were based on shells of $F$. tenuicostata (the most abundant species found in the molluscan death assemblages samples), however the schlerochronological element of my thesis was based on C. disrupta, a different species very common in present days but rare in the sedimentary column. The reasons for not presenting schlerochronological information of $F$. tenuicostata were twofold: Firstly, it is practically extinct in the area which made challenging to infer growing patterns; and secondly, I was unable to resolve internal growth bands or seasonal patterns in shell elementary composition, which is fundamental for using it as environmental proxy. I am currently working in experimenting with different biochemistry techniques to reveal the palaeoecological information preserved in $F$. tenuicostata shells, which is a priority to complement the local palaeoecological information already revealed by C. disrupta shells.

I also found that marine palaeoecological information in the subtropical and temperate areas of Eastern Australia is extremely scarce compared with the tropical and
subpolar zones. Due to the high regional variability of the Holocene weather it is important to sampled locations with different environmental characteristics for a more comprehensive understanding of this past environmental complexity. As part of the field work effort of this study, I collected surficial and excavated sedimentary samples from Southwest Arm in Port Hacking and Careel Bay in Pittwater two comparable estuarine areas outside of Sydney Harbour. These estuaries are interesting because their recent environmental history contrasts strongly with Sydney Harbour. The watershed of Southwest Arm in Port Hacking is entirely enclosed within Royal National Park so it has been protected from industrial activities for the last 200 years. Development and urbanisation in Pittwater occurs mainly as an intense pulse after world war two, in contrast to the more gradual but constantly increasing human pressure on Sydney Harbour since 1788.

The material collected from these estuaries is being prepared for further palaeoecological analyses. Further research on these samples following similar methods of those used during this study will provide a more complete scenario of the environmental dynamics that have shaped the current ecological and environmental conditions of south-eastern Australia. A manuscript is in preparation focus on the life history of Dosinia caerulea the most common subtidal species found in Pittwater Bay, this manuscript is part of Caitlin Sclater's Bachelor of Science and it is co-authored by me and Matthew Kosnik.

This study is a starting point for closing the important gaps in palaeoecological information of the mid latitude zone of eastern Australian, and in the ecological and sclerochronological knowledge of Australian subtidal bivalves. I expect these results to encourage new palaeoecological research along the south-eastern coast of Australia and
on the amazing potential of using molluscan death assemblages as environmental archives for subtropical and temperate zones.

## REFERENCES

Atlas of LIving Australia: Australia's species: Callista disrupta http://bie.ala.org.au/species/urn:Isid:biodiversity.org.au:afd.taxon:d43fbf93-15d4-4470-8426-a76cea149265 Checked on September 2016.

Baker, R., Haworth, R., and Flood, P., 2001, Warmer or cooler late Holocene marine palaeoenvironments?: interpreting southeast Australian and Brazilian sea-level changes using fixed biological indicators and their $\delta{ }^{18} \mathrm{O}$ composition: Palaeogeography, palaeoclimatology, palaeoecology, v. 168, p. 249-272.

Duprey, N., Lazareth, C.E., Corrège, T., Le Cornec, F., Maes, C., Pujol, N., Madeng-Yogo, M., Caquineau, S., Soares Derome, C., and Cabioch, G., 2012, Early mid-Holocene SST variability and surface-ocean water balance in the southwest Pacific: Paleoceanography, v. 27, p. n/a-n/a, doi: 10.1029/2012PA002350.

Jones, D.S., AND Quitmyer, I.R., 1996, Marking Time with Bivalve Shells: Oxygen Isotopes and Season of Annual Increment Formation: PALAIOS, v. 11, p. 340346, doi: 10.2307/3515244.

LaZareth, C.E., Putten, E.V., André, L., And Dehairs, F., 2003, High-resolution trace element profiles in shells of the mangrove bivalve Isognomon ephippium: a record of environmental spatio-temporal variations?: Estuarine, Coastal and Shelf Science, v. 57, p. 1103-1114, doi:_http://dx.doi.org/10.1016/S0272-7714(03)00013-1.

Masson-Delmotte, V., Stenni, B., and Jouzel, J., 2004, Common millennial-scale variability of Antarctic and Southern Ocean temperatures during the past 5000 years reconstructed from the EPICA Dome C ice core: The Holocene, v. 14, p. 145-151.

Pavlov, D.F., Bezuidenhout, J., Frontasyeva, M.V., and Goryainova, Z.I., 2015, Differences in trace element content between non-indigenous farmed and invasive bivalve mollusks of the South African Coast: American Journal of Analytical Chemistry, v. 6, p. 886.

Sadler, J., Webb, G.E., Leonard, N.D., Nothdurft, L.D., and Clark, T.R., 2016, Reef core insights into mid-Holocene water temperatures of the southern Great Barrier Reef: Paleoceanography, v. 31, p. 1395-1408.

Wanner, H., Beer, J., Bütikofer, J., Crowley, T.J., Cubasch, U., Flückiger, J., Goosse, H., Grosjean, M., Joos, F., Kaplan, J.O., Küttel, M., Müller, S.A., Prentice, I.C., Solomina, O., Stocker, T.F., Tarasov, P., Wagner, M., and Widmann, M., 2008, Mid- to Late Holocene climate change: an overview: Quaternary Science Reviews, v. 27, p. 1791-1828, doi: http://dx.doi.org/10.1016/j.quascirev.2008.06.013

## APPENDICES

## Supplementary material Chapter one:

All R-scripts and input data for time-averaging modelling, statistics data treatment and figures creation are available online at: http://marinescience.mq.edu.au/postgrad/dominguez/CHAPTER1.zip

Appendix A. Time-averaging model parameters
Appendix B. Time-averaging model fit graphs
Appendix C. Time-averaging model detail graphs
Appendix D. Time-averaging model posterior distribution graphs
Appendix E. Time-averaging model summaries Fulvia tenuicostata
Appendix F. Inferred ages Fulvia tenuicostata

## Supplementary material Chapter two:

All R-scripts and input data for time-averaging modelling, statistics data treatment and figures creation are available online at: http://marinescience.mq.edu.au/postgrad/dominguez/CHAPTER2.zip

Appendix G. LA-ICP-MS data shell 20267
Appendix H. LA-ICP-MS data shell 23880

## Supplementary material Chapter three:

All R-scripts and input data for time-averaging modelling, statistics data treatment and figures creation are available online at: http://marinescience.mq.edu.au/postgrad/dominguez/CHAPTER3.zip

Appendix I. LA-ICP-MS data shell 22844
Appendix J. LA-ICP-MS data shell 23181
Appendix K. LA-ICP-MS data shell 24073
Appendix L. LA-ICP-MS data shell 24074

Appendix A. Time averaging model parameters model taxon

| 1 Fulvia tenuicostata | Asp | mma | CPK0 |
| :---: | :---: | :---: | :---: |
| 2 Fulvia tenuicostata | Asp | gamma | TDKO |
| 3 Fulvia tenuicostata | Asp | gamma | SPKO |
| 4 Fulvia tenuicostata | Asp | gamma | CPK1 |
| 5 Fulvia tenuicostata | Asp | gamma | TDK1 |
| Fulvia tenuicostata | Asp | gamma | SPK1 |
| 7 Fulvia tenuicostata | Asp | lognorma | CPKO |
| 8 Fulvia tenuicostata | Asp | lognormal | TDKO |
| Fulvia tenuicostata | Asp | lognormal | SPK0 |
| 10 Fulvia tenuicostata | Asp | lognormal | CPK1 |
| 11 Fulvia tenuicostata | Asp | lognormal | TDK1 |
| 12 Fulvia tenuicostata | Asp | lognormal | SPK1 |
| 13 Fulvia tenuicostata | Glu | gamma | CPKO |
| 14 Fulvia tenuicostata | Glu | gamma | TDKO |
| 15 Fulvia tenuicostata | Glu | gamma | SPK0 |
| 16 Fulvia tenuicostata | Glu | gamma | CPK1 |
| 17 Fulvia tenuicostata | Glu | gamma | TDK1 |
| 18 Fulvia tenuicostata | Glu | gamma | SPK1 |
| 19 Fulvia tenuicostata | Glu | lognormal | CPKO |
| 20 Fulvia tenuicostata | Glu | lognormal | TDK0 |
| 21 Fulvia tenuicostata | Glu | lognormal | SPK0 |
| 22 Fulvia tenuicostata | Glu | lognormal | CPK1 |
| 23 Fulvia tenuicostata | Glu | lognormal | TDK1 |
| 24 Fulvia tenuicostata | Glu | lognormal | SPK1 |
| 25 Fulvia tenuicostata | Ala | gamma | CPKO |
| 26 Fulvia tenuicostata | Ala | gamma | TDKO |
| Fulvia tenuicostata | Ala | gamma | SPK0 |
| 28 Fulvia tenuicostata | Ala | gamma | CPK1 |
| 29 Fulvia tenuicostata | Ala | gamma | TDK1 |
| 30 Fulvia tenuicostata | Ala | gamma | SPK1 |
| 31 Fulvia tenuicostata | Ala | lognormal | CPKO |
| 32 Fulvia tenuicostata | Ala | lognormal | TDK0 |
| 33 Fulvia tenuicostata | Ala | lognormal | SPK0 |
| 34 Fulvia tenuicostata | Ala | lognormal | CPK1 |
| 35 Fulvia tenuicostata | Ala | lognormal | TDK1 |
| 36 Fulvia tenuicostata | Ala | lognormal | SPK1 |
| 37 Fulvia tenuicostata | Val | gamma | CPKO |
| 38 Fulvia tenuicostata | Val | gamma | TDK0 |
| 39 Fulvia tenuicostata | Val | gamma | SPK0 |
| 40 Fulvia tenuicostata | Val | gamma | CPK1 |
| 41 Fulvia tenuicostata | Val | gamma | TDK1 |
| 42 Fulvia tenuicostata | Val | gamma | SPK1 |
| 43 Fulvia tenuicostata | Val | lognormal | CPKO |
| 44 Fulvia tenuicostata | Val | lognormal | TDKO |
| 45 Fulvia tenuicostata | Val | lognormal | SPK0 |
| 46 Fulvia tenuicostata | Val | lognormal | CPK1 |
| 47 Fulvia tenuicostata | Val | lognormal | TDK1 |
| 48 Fulvia tenuicostata | Val | lognormal | SPK1 |
| 49 Fulvia tenuicostata | Phe | gamma | CPKO |
| 50 Fulvia tenuicostata | Phe | gamma | TDK0 |
| 51 Fulvia tenuicostata | Phe | gamma | SP |

In.a
In.a
4.51
$\begin{array}{ll} & \\ 4.51 & 2.04\end{array}$
$\begin{array}{llll}12.65 & 1.14 & \text { NA }\end{array}$
12.80
5.14
5.14
12.47
12.77
2.08
$\begin{array}{llll}14.45 & 1.44 & \text { NA }\end{array}$
$\begin{array}{lll}14.63 & 1.45 & \text { NA }\end{array}$
$\begin{array}{rrr}4.82 & 1.96 & 2.59\end{array}$
$\begin{array}{lll}11.24 & 0.65 & 1.57 \\ 12.32 & 1.05 & 2.40\end{array}$

$\begin{array}{llrrrrrr}\text { In.RO } & \text { In.d } & \text { DIC } & \text { n } & \mathbf{k} \text { deviance } & \text { BIC } & \text { srp } & \text { srr }\end{array}$ $\begin{array}{lllll}\text { NA } & 3.71 & 318.30 & 24.00 & 3.00\end{array}$ NA $3.71 \quad 318.40 \quad 24.00 \quad 3.00$ $\begin{array}{lllll}\text { NA } & 3.71 & 318.40 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}-3.48 & 3.67 & 322.10 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}5.03 & 3.66 & 318.40 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}3.67 & 3.60 & 318.20 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}\text { NA } & 0.13 & 395.60 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & -0.70 & 375.70 & 24.00 & 3.00\end{array}$ NA $-0.70 \quad 375.00 \quad 24.00 \quad 3.00$ $\begin{array}{lllll}3.42 & -2.70 & 329.80 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}3.48 & -2.55 & 332.70 & 24.00 & 4.00\end{array}$ $\begin{array}{llllll}3.43 & -2.67 & 329.70 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}\text { NA } & 4.84 & 341.40 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 4.12 & 327.40 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 4.10 & 327.50 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}3.49 & 4.29 & 341.60 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}-4.89 & 4.08 & 327.60 & 24.00 & 4.00\end{array}$ $\begin{array}{llllll}-3.87 & 4.10 & 327.60 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}\text { NA } & 0.15 & 396.40 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & -0.76 & 373.90 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & -0.75 & 373.60 & 24.00 & 3.00\end{array}$ $\begin{array}{llllll}3.43 & -0.63 & 380.10 & 24.00 & 4.00\end{array}$ $\begin{array}{llllll}-3.66 & -1.31 & 371.60 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}-3.46 & -1.06 & 375.50 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}\text { NA } & 5.43 & 355.80 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 4.75 & 342.90 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 4.71 & 341.70 & 24.00 & 3.00 \\ 3.58 & 5.11 & 355.90 & 24.00 & 4.00\end{array}$ |  | 5.58 | 5.11 | 355.90 | 24.00 |
| :--- | :--- | :--- | :--- | :--- |
|  | 4.00 |  |  |  | $\begin{array}{lllll} & 4.16 & 4.71 & 341.00 & 24.00 \\ 4.00\end{array}$ NA $0.59 \quad 414.00 \quad 24.00 \quad 3.00$ NA $\begin{array}{lllll}\text { NA } & 0.26 & 398.50 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 0.24 & 398.50 & 24.00 & 3.00\end{array}$ $\begin{array}{llllll}3.43 & 0.29 & 410.80 & 24.00 & 4.00\end{array}$ $\begin{array}{llllll}-3.72 & 0.21 & 398.60 & 24.00 & 4.00\end{array}$ | -3.48 | 0.18 | 398.50 | 24.00 | 4.00 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}\text { NA } & 6.28 & 376.00 & 24.00 & 3.00 \\ \text { NA } & 5.94 & 367.60 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 5.97 & 367.40 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}3.44 & 5.65 & 360.30 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}-3.48 & 5.48 & 369.00 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}-3.49 & 5.53 & 368.10 & 24.00 & 4.00\end{array}$ $\begin{array}{lllll}\text { NA } & 0.86 & 416.90 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 0.51 & 404.50 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 0.51 & 404.40 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}-3.42 & -0.04 & 391.10 & 24.00 & 4.00\end{array}$ $\begin{array}{rrrrr}-3.43 & -0.26 & 389.80 & 24.00 & 4.00 \\ -3.42 & -0.14 & 398.20 & 24.00 & 4.00\end{array}$ $\begin{array}{rrrrr}-3.42 & -0.14 & 398.20 & 24.00 & 4.00 \\ \text { NA } & 5.73 & 368.60 & 24.00 & 3.00 \\ \text { NA } & 5.09 & 348.20 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 5.09 & 348.20 & 24.00 & 3.00 \\ \text { NA } & 5.10 & 347.60 & 24.00 & 3.00\end{array}$ $\begin{array}{lllll}\text { NA } & 5.10 & 347.60 & 24.00 & 3.00\end{array}$


$\begin{array}{llll}329.09 & 338.62 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}311.80 & 321.33 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}11.74 & 321.28 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}311.75 & 324.46 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}11.55 & 324.26 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}311.16 & 323.87 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}388.61 & 398.15 & 0.00 & 0.97 \\ 368.93 & 378.47 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}368.93 & 378.47 & 0.00 & 0.97 \\ 368.37 & 377.91 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}320.45 & 333.16 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}323.71 & 336.42 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}220.84 & 333.55 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}320.84 & 333.55 & 0.00 & 0.97 \\ 334.79 & 344.33 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}321.01 & 330.55 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}320.97 & 330.51 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}324.89 & 337.61 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}320.80 & 333.51 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}320.79 & 333.50 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}389.19 & 398.72 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}367.20 & 376.73 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}366.99 & 376.52 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}369.83 & 382.54 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}352.99 & 365.70 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}360.07 & 372.78 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}348.59 & 358.13 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}336.32 & 345.85 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}335.23 & 344.76 & 0.00 & 0.97 \\ 344.59 & 357.30 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}344.59 & 357.30 & 0.00 & 0.97 \\ 335.96 & 348.67 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}335.96 & 348.67 & 0.00 & 0.97 \\ 335.23 & 347.94 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}399.37 & 408.91 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}391.72 & 401.25 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}391.48 & 401.01 & 0.00 & 0.97\end{array}$ $\begin{array}{lllll}390.91 & 403.63 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}389.87 & 402.58 & 0.00 & 0.97\end{array}$ $\begin{array}{lllll}389.55 & 402.26 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}366.73 & 376.27 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}360.96 & 370.50 & 0.00 & 0.91\end{array}$ | 360.89 | 370.42 | 0.00 | 0.91 |
| :--- | :--- | :--- | :--- |
|  |  |  | 0.91 |
| 52.22 | 364.93 | 0.00 | 0.91 | $\begin{array}{llll}352.22 & 364.93 & 0.00 & 0.91 \\ 352.59 & 365.30 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}352.59 & 365.30 & 0.00 & 0.91 \\ 352.67 & 365.38 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}405.68 & 415.22 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}397.59 & 407.13 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}397.55 & 407.09 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}382.72 & 395.43 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}379.25 & 391.97 & 0.00 & 0.91\end{array}$ $\begin{array}{llll}381.38 & 394.09 & 0.00 & 0.91 \\ 353.38 & 362.91 & 0.00 & 0.97\end{array}$ $\begin{array}{llll}341.55 & 351.91 & 0.00 & 0.97 \\ 351.00 & 0.00 & 0.97\end{array}$ | 340.85 | 350.38 | 0.00 | 0.97 | 29.81 |
| :--- | :--- | :--- | :--- | :--- | :--- |

$\begin{array}{r}17.34 \\ 0.05 \\ 0.00 \\ 3.19 \\ 2.99 \\ 2.60 \\ 76.87 \\ 57.19 \\ 56.63 \\ 11.89 \\ 15.15 \\ 12.27 \\ 23.05 \\ 9.27 \\ 9.23 \\ 16.33 \\ 12.23 \\ 12.22 \\ 77.45 \\ 55.46 \\ 5.24 \\ 61.26 \\ 44.42 \\ 51.50 \\ 36.85 \\ 24.57 \\ 23.49 \\ 36.02 \\ 27.40 \\ 26.66 \\ 87.63 \\ 79.98 \\ 79.73 \\ 82.35 \\ 81.31 \\ 80.98 \\ 5499 \\ 49.22 \\ 49.15 \\ 43.66 \\ 44.02 \\ 44.11 \\ 93.94 \\ 85.85 \\ 85.81 \\ 74.15 \\ 70.69 \\ 72.81 \\ 41.64 \\ 2.81 \\ \hline 2.10 \\ \hline\end{array}$
$\begin{array}{r}\text { NA } \\ 0.36 \\ 0.37 \\ 0.08 \\ 0.08 \\ 0.10 \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \text { NA } \\ \hline\end{array}$

| BIC.d | m. | log. | log.bic.w | Ro |
| :---: | :---: | :---: | :---: | :---: |
| 17.34 | NA | NA | NA | 0.00 |
| 0.05 | 0.36 | NA | NA | 0.00 |
| 0.00 | 0.37 | NA | NA | 0.00 |
| 3.19 | 0.08 | NA | NA | 1.00 |
| 2.99 | 0.08 | NA | NA | 1.00 |
| 2.60 | 0.10 | NA | NA | 1.00 |
| NA | NA | 64.98 | NA | 0.00 |
| NA | NA | 45.30 | NA | 0.00 |
| NA | NA | 44.74 | NA | 0.00 |
| NA | NA | 0.00 | 0.49 | 1.00 |
| NA | NA | 3.26 | 0.10 | 1.00 |
| NA | NA | 0.38 | 0.41 | 1.00 |
| 23.05 | NA | NA | NA | 0.00 |
| 9.27 | NA | NA | NA | 0.00 |
| 9.23 | NA | NA | NA | 0.00 |
| 16.33 | NA | NA | NA | 1.00 |
| 12.23 | NA | NA | NA | 1.00 |
| 12.22 | NA | NA | NA | 1.00 |
| NA | NA | 65.56 | NA | 0.00 |
| NA | NA | 43.57 | NA | 0.00 |
| NA | NA | 43.36 | NA | 0.00 |
| NA | NA | 49.37 | NA | 1.00 |
| NA | NA | 32.54 | NA | 1.00 |
| NA | NA | 39.61 | NA | 1.00 |
| 36.85 | NA | NA | NA | 0.00 |
| 24.57 | NA | NA | NA | 0.00 |
| 23.49 | NA | NA | NA | 0.00 |
| 36.02 | NA | NA | NA | 1.00 |
| 27.40 | NA | NA | NA | 1.00 |
| 26.66 | NA | NA | NA | 1.00 |
| NA | NA | 75.74 | NA | 0.00 |
| NA | NA | 68.09 | NA | 0.00 |
| NA | NA | 67.85 | NA | 0.00 |
| NA | NA | 70.46 | NA | 1.00 |
| NA | NA | 69.42 | NA | 1.00 |
| NA | NA | 69.09 | NA | 1.00 |
| 54.99 | NA | NA | NA | 0.00 |
| 49.22 | NA | NA | NA | 0.00 |
| 49.15 | NA | NA | NA | 0.00 |
| 43.66 | NA | NA | NA | 1.00 |
| 44.02 | NA | NA | NA | 1.00 |
| 44.11 | NA | NA | NA | 1.00 |
| NA | NA | 82.05 | NA | 0.00 |
| NA | NA | 73.96 | NA | 0.00 |
| NA | NA | 73.92 | NA | 0.00 |
| NA | NA | 62.26 | NA | 1.00 |
| NA | NA | 58.80 | NA | 1.00 |
| NA | NA | 60.92 | NA | 1.00 |
| 41.64 | NA | NA | NA | 0.00 |
| 29.81 | NA | NA | NA | 0.00 |

NA 0.00 NA 0.00 NA 0.00 NA 1.00 $\begin{array}{ll}\text { NA } & 1.00 \\ \text { NA } & 0.00\end{array}$ NA 0.00 NA 0.00 $\begin{array}{ll}0.49 & 1.00 \\ 0.41\end{array}$ 0.411 .00 NA 0.00 NA 0.00 NA 1.00 NA 1.00 NA 0.00 | NA |
| :--- | :--- |
| NA | NA 1.00 NA 0.00 $\begin{array}{ll}\text { NA } & 0.00 \\ \text { NA } & 0.00\end{array}$ NA 1.00 $\begin{array}{ll}\text { NA } & 1.00 \\ \text { NA } & 1.00\end{array}$ NA 0.00 $\begin{array}{ll}\text { NA } & 0.00 \\ \text { NA } & 0.00\end{array}$ NA 1.00 $\begin{array}{ll}\text { NA } & 1.00 \\ \text { NA } & 1.00\end{array}$ $\begin{array}{ll}\text { NA } & 1.00 \\ \text { NA } & 0.00\end{array}$ $\begin{array}{ll}\text { NA } & 0.00 \\ \text { NA } & 0.00\end{array}$ $\begin{array}{cc}\text { NA } & 0.00 \\ \text { NA } & 0.00 \\ \text { NA } & 1.00\end{array}$ $\begin{array}{ll}\text { NA } & 1.00 \\ \text { NA } & 1.00\end{array}$ $\begin{array}{ll}\text { NA } & 1.00 \\ \text { N } & 1.00\end{array}$ $\begin{array}{ll}\text { NA } & 0.00 \\ \text { NA } & 0.00\end{array}$ NA 0.00 NA 1.00 $\begin{array}{ll}\text { NA } & 1.00 \\ \text { NA } & 1.00\end{array}$ $\begin{array}{ll}\text { NA } & 1.00 \\ \text { NA } 0.00 \\ \text { NA } & 0.00\end{array}$ NA 0.00

NA 0.00

| model taxon | aa | dist | mu.func | In.a | In.b | c | In. RO | In.d | DIC | n | k | deviance | BIC | srp | srr | all.BIC.d | all.BIC.w | gam.BIC.d | gam.BIC.w | log.BIC.d | log.BIC.w | R0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 52 Fulvia tenuicostata | Phe | gamma | CPK1 | 7.90 | 0.86 | 1.14 | -3.56 | 5.12 | 362.10 | 24.00 | 4.00 | 343.52 | 356.23 | 0.00 | 0.97 | 34.95 | NA | 34.95 | NA | NA | NA | 1.00 |
| 53 Fulvia tenuicostata | Phe | gamma | TDK1 | 10.83 | 0.38 | 0.44 | -3.82 | 4.88 | 348.10 | 24.00 | 4.00 | 338.34 | 351.05 | 0.00 | 0.97 | 29.78 | NA | 29.78 | NA | NA | NA | 1.00 |
| 54 Fulvia tenuicostata | Phe | gamma | SPK1 | 11.00 | 0.47 | 0.82 | -3.65 | 4.85 | 347.50 | 24.00 | 4.00 | 338.43 | 351.14 | 0.00 | 0.97 | 29.87 | NA | 29.87 | NA | NA | NA | 1.00 |
| 55 Fulvia tenuicostata | Phe | lognormal | CPKO | 4.59 | 2.32 | NA | NA | 0.46 | 411.40 | 24.00 | 3.00 | 396.94 | 406.47 | 0.00 | 0.97 | 85.20 | NA | NA | NA | 73.31 | NA | 0.00 |
| 56 Fulvia tenuicostata | Phe | lognormal | TDKO | 13.49 | 1.05 | NA | NA | -0.34 | 383.60 | 24.00 | 3.00 | 376.94 | 386.48 | 0.00 | 0.97 | 65.20 | NA | NA | NA | 53.31 | NA | 0.00 |
| 57 Fulvia tenuicostata | Phe | lognormal | SPKO | 13.55 | 1.06 | NA | NA | -0.38 | 383.30 | 24.00 | 3.00 | 376.56 | 386.10 | 0.00 | 0.97 | 64.82 | NA | NA | NA | 52.93 | NA | 0.00 |
| 58 Fulvia tenuicostata | Phe | lognormal | CPK1 | 6.53 | 1.64 | 2.57 | -3.42 | -1.43 | 369.20 | 24.00 | 4.00 | 351.06 | 363.78 | 0.00 | 0.97 | 42.50 | NA | NA | NA | 30.61 | NA | 1.00 |
| 59 Fulvia tenuicostata | Phe | lognormal | TDK1 | 10.98 | 0.43 | 1.78 | -3.46 | -2.02 | 346.80 | 24.00 | 4.00 | 337.98 | 350.69 | 0.00 | 0.97 | 29.41 | NA | NA | NA | 17.52 | NA | 1.00 |
| 60 Fulvia tenuicostata | Phe | lognormal | SPK1 | 11.60 | 0.66 | 2.35 | -3.43 | -1.75 | 352.90 | 24.00 | 4.00 | 343.65 | 356.37 | 0.00 | 0.97 | 35.09 | NA | NA | NA | 23.20 | NA | 1.00 |
| 61 Fulvia tenuicostata | Leu | gamma | CPKO | 7.22 | 1.52 | NA | NA | 7.00 | 394.20 | 24.00 | 3.00 | 384.85 | 394.38 | 0.00 | 0.78 | 73.11 | NA | 73.11 | NA | NA | NA | 0.00 |
| 62 Fulvia tenuicostata | Leu | gamma | TDKO | 11.77 | 0.58 | NA | NA | 6.79 | 389.20 | 24.00 | 3.00 | 382.20 | 391.74 | 0.00 | 0.78 | 70.46 | NA | 70.46 | NA | NA | NA | 0.00 |
| 63 Fulvia tenuicostata | Leu | gamma | SPKO | 11.77 | 0.58 | NA | NA | 6.78 | 389.00 | 24.00 | 3.00 | 382.10 | 391.64 | 0.00 | 0.78 | 70.36 | NA | 70.36 | NA | NA | NA | 0.00 |
| 64 Fulvia tenuicostata | Leu | gamma | CPK1 | 42.25 | -32.81 | -0.35 | -4.43 | 6.87 | 394.10 | 24.00 | 4.00 | 381.07 | 393.78 | 0.00 | 0.78 | 72.51 | NA | 72.51 | NA | NA | NA | 1.00 |
| 65 Fulvia tenuicostata | Leu | gamma | TDK1 | 11.43 | 0.42 | -0.30 | -4.38 | 6.72 | 389.30 | 24.00 | 4.00 | 382.12 | 394.83 | 0.00 | 0.78 | 73.56 | NA | 73.56 | NA | NA | NA | 1.00 |
| 66 Fulvia tenuicostata | Leu | gamma | SPK1 | 11.78 | 0.58 | -19.55 | -198.37 | 6.80 | 389.40 | 24.00 | 4.00 | 382.10 | 394.82 | 0.00 | 0.78 | 73.54 | NA | 73.54 | NA | NA | NA | 1.00 |
| 67 Fulvia tenuicostata | Leu | lognormal | CPKO | 4.76 | 2.48 | NA | NA | 1.24 | 422.70 | 24.00 | 3.00 | 414.34 | 423.88 | 0.00 | 0.78 | 102.60 | NA | NA | NA | 90.71 | NA | 0.00 |
| 68 Fulvia tenuicostata | Leu | lognormal | TDKO | 13.38 | 0.97 | NA | NA | 1.20 | 431.40 | 24.00 | 3.00 | 413.67 | 423.21 | 0.00 | 0.78 | 101.93 | NA | NA | NA | 90.04 | NA | 0.00 |
| 69 Fulvia tenuicostata | Leu | lognormal | SPKO | 13.62 | 1.00 | NA | NA | 1.19 | 429.10 | 24.00 | 3.00 | 413.67 | 423.20 | 0.00 | 0.78 | 101.93 | NA | NA | NA | 90.04 | NA | 0.00 |
| 70 Fulvia tenuicostata | Leu | lognormal | CPK1 | 4.77 | 2.46 | -44.16 | -983.38 | 1.19 | 422.70 | 24.00 | 4.00 | 414.34 | 427.06 | 0.00 | 0.78 | 105.78 | NA | NA | NA | 93.89 | NA | 1.00 |
| 71 Fulvia tenuicostata | Leu | lognormal | TDK1 | 13.38 | 0.98 | -4.61 | -16.53 | 1.18 | 431.00 | 24.00 | 4.00 | 413.67 | 426.38 | 0.00 | 0.78 | 105.11 | NA | NA | NA | 93.22 | NA | 1.00 |
| 72 Fulvia tenuicostata | Leu | lognormal | SPK1 | 13.40 | 0.98 | -46.37 | -1,083.22 | 1.21 | 427.40 | 24.00 | 4.00 | 413.67 | 426.38 | 0.00 | 0.78 | 105.11 | NA | NA | NA | 93.22 | NA | 1.00 |

Appendix B. Graphical depictions of 72 models listed in Appendix A. The fitted black lines correspond to the mean parameter estimates in the equations and in Appendix A. The dark shading corresponds to the confidence interval for age, and and light shading corresponds to the prediction interval for age.


Fulvia tenuicostata, Asp D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Asp D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Asp D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Glu D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Glu D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Glu D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Val D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Val D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Val D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Phe D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Phe D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Phe D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Leu D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Leu D/L

Appendix B. Continued. (model numbers correspond to models listed in Appendix A);


Fulvia tenuicostata, Leu D/L

Appendix C. Plots of: (a) fitted model with maximum-likelihood parameter estimates (see Appendix A), (b) relationship of observed to predicted age with one-to-one line, (c) quantile residuals of the fitted model plotted as a function of the $D / L$, and ( $d$ ) absolute values of quantile residuals plotted as a function of $D / L$. Lines depicted in the figures were fitted by lowess with a smoother span of 0.9 (Model 1 from Appendix A).


Appendix C. Continued: Model 2 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 3 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 4 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 5 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 6 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 7 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 8 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 9 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 10 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 11 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 12 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 13 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 14 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 15 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 16 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 17 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 18 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 19 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 20 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 21 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 22 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 23 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 24 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 25 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 26 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 27 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 28 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 29 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 30 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 31 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 32 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 33 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 34 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 35 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 36 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 37 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 38 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 39 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 40 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 41 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 42 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 43 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 44 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 45 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 46 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 47 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 48 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 49 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 50 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 51 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 52 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 53 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 54 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 55 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 56 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 57 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 58 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 59 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 60 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 61 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 62 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 63 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 64 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 65 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 66 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 67 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 68 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 69 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 70 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 71 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix C. Continued: Model 72 (see Appendix A); Taxon: Fulvia tenuicostata


Appendix D. Plots of posterior distributions of the parameters for the models listed in Appendix A. Filled triangles correspond to maximum-likelihood estimates for the parameters. Model 1 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 2 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 3 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 4 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 5 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 6 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 7 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 8 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 9 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 10 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 11 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 12 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 13 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 14 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 15 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 16 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 17 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 18 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 19 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 20 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 21 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 22 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 23 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 24 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 25 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 26 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 27 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 28 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 29 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 30 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 31 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 32 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 33 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 34 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 35 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 36 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 37 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 38 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 39 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 40 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 41 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 42 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 43 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 44 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 45 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 46 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 47 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 48 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 49 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 50 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 51 (from Appendix A); Taxon: Fulvia tenuicostata.

| 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 |
| :--- | :--- | :--- | :--- | :--- | :--- |






Appendix D. Continued: Model 52 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 53 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 54 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 55 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 56 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 57 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 58 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 59 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 60 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 61 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 62 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 63 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 64 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 65 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 66 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 67 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 68 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 69 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 70 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 71 (from Appendix A); Taxon: Fulvia tenuicostata.


Appendix D. Continued: Model 72 (from Appendix A); Taxon: Fulvia tenuicostata.



| model aa | dist | mu.func | In.a | In.b | c | In. RO | In.d | DIC | n | k |  | deviance | BIC | srp | srr | all.BIC.d | all. | . |  | w |  | log.BIC.w | R0 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 47 Val | lognormal | TDK1 | 12.1526 | 0.3416 | 2.2189 | -3.4322 | -0.2572 | 389.8 | 24 |  | 4 | 379.2535 | 391.9658 | 0.0000 | 0.9112 | 70.6889 | 0.0000 | NA | NA |  | 58.8009 | 0.0000 | 1.0 |
| 48 Val | lognormal | SPK1 | 12.6044 | 0.5208 | 2.6499 | -3.4229 | -0.1352 | 398.2 | 24 |  | 4 | 381.3774 | 394.0896 | 0.0000 | 0.9112 | 72.8127 | 0.0000 | NA | NA |  | 60.9248 | 0.0000 | 1.0 |
| 49 Phe | gamma | CPKO | 7.3055 | 1.1930 | NA | NA | 5.7302 | 368.6 | 24 |  | 3 | 353.3789 | 362.9130 | 0.0000 | 0.9685 | 41.6362 | 0.0000 | 41.6362 |  | 0.0000 | NA | NA | 0.0 |
| 50 Phe | gamma | TDKO | 11.1089 | 0.5266 | NA | NA | 5.0932 | 348.2 | 24 |  | 3 | 341.5511 | 351.0853 | 0.0000 | 0.9685 | 29.8084 | 0.0000 | 29.8084 |  | 0.0000 | NA | NA | 0.0 |
| 51 Phe | gamma | SPKO | 11.1684 | 0.5394 | NA | NA | 5.0957 | 347.6 | 24 |  | 3 | 340.8469 | 350.3810 | 0.0000 | 0.9685 | 29.1041 | 0.0000 | 29.1041 |  | 0.0000 | NA | NA | 0.0 |
| 52 Phe | gamma | CPK1 | 7.9017 | 0.8640 | 1.1364 | -3.5557 | 5.1198 | 362.1 | 24 |  | 4 | 343.5195 | 356.2317 | 0.0000 | 0.9685 | 34.9548 | 0.0000 | 34.9548 |  | 0.0000 | NA | NA | 1.0 |
| 53 Phe | gamma | TDK1 | 10.8251 | 0.3823 | 0.4438 | -3.8173 | 4.8768 | 348.1 | 24 |  | 4 | 338.3422 | 351.0544 | 0.0000 | 0.9685 | 29.7775 | 0.0000 | 29.7775 |  | 0.0000 | NA | NA | 1.0 |
| 54 Phe | gamma | SPK1 | 10.9988 | 0.4725 | 0.8246 | -3.6481 | 4.8502 | 347.5 | 24 |  | 4 | 338.4321 | 351.1443 | 0.0000 | 0.9685 | 29.8675 | 0.0000 | 29.8675 |  | 0.0000 | NA | NA | 1.0 |
| 55 Phe | lognormal | CPKO | 4.5867 | 2.3177 | NA | NA | 0.4646 | 411.4 | 24 |  | 3 | 396.9392 | 406.4733 | 0.0000 | 0.9685 | 85.1964 | 0.0000 | NA | NA |  | 73.3085 | 0.0000 | 0.0 |
| 56 Phe | lognormal | TDKO | 13.4903 | 1.0511 |  | NA | -0.3385 | 383.6 | 24 |  | 3 | 376.9437 | 386.4779 | 0.0000 | 0.9685 | 65.2010 | 0.0000 | NA | NA |  | 53.3131 | 0.0000 | 0.0 |
| 57 Phe | lognormal | SPKO | 13.5507 | 1.0555 | NA | NA | -0.3787 | 383.3 | 24 |  | 3 | 376.5631 | 386.0972 | 0.0000 | 0.9685 | 64.8204 | 0.0000 | NA | NA |  | 52.9324 | 0.0000 | 0.0 |
| 58 Phe | lognormal | CPK1 | 6.5343 | 1.6364 | 2.5703 | -3.4240 | -1.4285 | 369.2 | 24 |  | 4 | 351.0634 | 363.7756 | 0.0000 | 0.9685 | 42.4987 | 0.0000 | NA | NA |  | 30.6108 | 0.0000 | 1.0 |
| 59 Phe | lognormal | TDK1 | 10.9802 | 0.4256 | 1.7802 | -3.4571 | -2.0233 | 346.8 | 24 |  | 4 | 337.9751 | 350.6873 | 0.0000 | 0.9685 | 29.4104 | 0.0000 | NA | NA |  | 17.5225 | 0.0001 | 1.0 |
| 60 Phe | lognormal | SPK1 | 11.6008 | 0.6588 | 2.3480 | -3.4284 | -1.7472 | 352.9 | 24 |  | 4 | 343.6534 | 356.3656 | 0.0000 | 0.9685 | 35.0887 | 0.0000 | NA | NA |  | 23.2008 | 0.0000 | 1.0 |
| 61 Leu | gamma | CPKO | 7.2217 | 1.5162 | NA | NA | 6.9954 | 394.2 | 24 |  | 3 | 384.8489 | 394.3830 | 0.0000 | 0.7763 | 73.1062 | 0.0000 | 73.1062 |  | 0.0000 | NA | NA | 0.0 |
| 62 Leu | gamma | TDKO | 11.7651 | 0.5810 | NA | NA | 6.7898 | 389.2 | 24 |  | 3 | 382.2008 | 391.7350 | 0.0000 | 0.7763 | 70.4581 | 0.0000 | 70.4581 |  | 0.0000 | NA | NA | 0.0 |
| 63 Leu | gamma | SPKO | 11.7676 | 0.5793 | NA | NA | 6.7820 | 389.0 | 24 |  | 3 | 382.1044 | 391.6385 | 0.0000 | 0.7763 | 70.3616 | 0.0000 | 70.3616 |  | 0.0000 | NA | NA | 0.0 |
| 64 Leu | gamma | CPK1 | 42.2518 | -32.8088 | -0.3481 | -4.4298 | 6.8651 | 394.1 | 24 |  | 4 | 381.0724 | 393.7846 | 0.0000 | 0.7763 | 72.5078 | 0.0000 | 72.5078 |  | 0.0000 | NA | NA | 1.0 |
| 65 Leu | gamma | TDK1 | 11.4278 | 0.4227 | -0.3011 | -4.3821 | 6.7186 | 389.3 | 24 |  | 4 | 382.1198 | 394.8321 | 0.0000 | 0.7763 | 73.5552 | 0.0000 | 73.5552 |  | 0.0000 | NA | NA | 1.0 |
| 66 Leu | gamma | SPK1 | 11.7782 | 0.5806 | -19.5480 | \#\#\#\#\#\#\# | 6.7993 | 389.4 | 24 |  | 4 | 382.1028 | 394.8151 | 0.0000 | 0.7763 | 73.5382 | 0.0000 | 73.5382 |  | 0.0000 | NA | NA | 1.0 |
| 67 Leu | lognormal | CPKO | 4.7575 | 2.4750 | NA | NA | 1.2351 | 422.7 | 24 |  | 3 | 414.3436 | 423.8778 | 0.0000 | 0.7763 | 102.6009 | 0.0000 | NA | NA |  | 90.7130 | 0.0000 | 0.0 |
| 68 Leu | lognormal | TDKO | 13.3805 | 0.9746 | NA | NA | 1.1982 | 431.4 | 24 |  | 3 | 413.6723 | 423.2065 | 0.0000 | 0.7763 | 101.9296 | 0.0000 | NA | NA |  | 90.0417 | 0.0000 | 0.0 |
| 69 Leu | lognormal | SPKO | 13.6167 | 1.0047 | NA | NA | 1.1855 | 429.1 | 24 |  | 3 | 413.6699 | 423.2041 | 0.0000 | 0.7763 | 101.9272 | 0.0000 | NA | NA |  | 90.0392 | 0.0000 | 0.0 |
| 70 Leu | lognormal | CPK1 | 4.7707 | 2.4602 | -44.1646 | \#\#\#\#\#\#\# | 1.1900 | 422.7 | 24 |  | 4 | 414.3433 | 427.0556 | 0.0000 | 0.7763 | 105.7787 | 0.0000 |  | NA |  | 93.8907 | 0.0000 | 1.0 |
| 71 Leu | lognormal | TDK1 | 13.3844 | 0.9777 | -4.6083 | $-16.5265$ | 1.1771 | 431.0 | 24 |  | 4 | 413.6703 | 426.3825 | 0.0000 | 0.7763 | 105.1056 | 0.0000 | NA | NA |  | 93.2177 | 0.0000 | 1.0 |
| 72 Leu | lognormal | SPK1 | 13.4005 | 0.9753 | -46.3690 | \#\#\#\#\#\#\# | 1.2066 | 427.4 | 24 |  | 4 | 413.6728 | 426.3850 | 0.0000 | 0.7763 | 105.1081 | 0.0000 | NA | NA |  | 93.2202 | 0.0000 | 1.0 |




| specimen_no | no 1 | layer | date_ollected. 1 f | fraction_no | sieve_size vital |  |  |  | mg ci4d | date_type | date_source | lab | lab_id |  | pMC | e1Sigma | a d14C | ed14C | conAgeBP | P conAgeSigma | a cal2sYng | calssold | d cal2s | ageMedian | ageYng | ageold | resAge | calCur | date_analy |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21475 | 244 | ${ }_{750}$ | ${ }^{6 / 2772014}$ | 2215 | 8 dead | 20.08 | 18.87 | 7.02 | 411 NA | NA | NA | NA | NA | NA | NA |  | NA | NA | NA | NA | NA | NA | NA | NA |  |  |  | NA |  |
| 21476 | 244 | 750 | $6127 / 2014$ | 2215 | 8 dead | 21.58 | 19.77 | 6.83 | 62.74 NA | NA | NA | NA | NA | NA | NA | NA | na | na | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| ${ }_{2}^{21477}$ | 186 | 3177 | ${ }_{6}^{6 / 3 / 2011}$ | 2154 | 8 dead | 20.13 <br> 195 | 18.68 | ${ }_{6}^{6.71}$ | 291.25 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| ${ }_{21479}^{21478}$ | 248 | 7777 | 77812014 | 2203 | 8 dead | 19.75 | 18.43 | 6.63 | 306.87 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 21479 | 248 | 777 | 7/8/2014 | 2199 | 16 dead | 32.2 | 29.94 | 11.42 | 1299.89 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 21480 | 248 | 780 | 7/8/2014 | 2196 | 16 dead | 24.5 | 22.69 | ${ }^{8}$ | 691.58 NA | NA | NA | NA | NA | NA | na | na | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 21481 | 248 | 780 | 78/2014 | 2200 | 8 dead | 20.41 | 18.95 | 6.29 | 306.53 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 21482 | 248 | 780 | 71812014 | 2196 | 16 dead | 32.17 | 29.6 | 11.22 | 1860.27 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| ${ }^{21483}$ | 248 | 779 | 77812014 | 2201 | 8 dead | 21.23 | 19.4 | 6.65 | 414.56 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 21484 | 248 | 778 | 77812014 | 2198 | 16 dead | 29.71 | 28.02 | 10.64 | 1314.91 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 21485 | 248 | 778 | $7 / 8 / 2014$ | 2202 | 8 dead | 16.71 | 14.97 | 5.33 | 180.43 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| ${ }_{21487}^{21486}$ | 248 248 | 778 778 | $7 / 8 / 2014$ $7 / 8 / 2014$ | 2198 2198 | 16 dead 16 dead | 25.16 <br> 31.01 | 22.83 30.04 | ${ }_{\text {8, }}^{8.21}$ | 662.21 NA 1688.33 NA | NA | NA | NA | NA NA | NA | NA | NA | NA | NA NA | NA NA | NA NA |  | NA | NA NA |  | NA | NA NA |  | NA $N A$ | NA $N A$ |
| ${ }_{21488}^{21487}$ | ${ }_{248}^{248}$ | 777 | 77812014 | 2198 2199 | ${ }_{16}^{16 \text { dead }} 1$ | 29.02 | 36.14 | ${ }^{11.66}$ | 1688.33 NA 960.74 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA NA | NA | NA | NA | NA | NA $N A$ |
| 21489 | 248 | 777 | 7/8/2014 | 2199 | 16 dead | 24.94 | 23.18 | 8.54 | 590.67 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| 23214 | 254 | 848 | 10/26/2014 | 2176 | 8 dead | 14.73 | 13.35 | 4.59 | 75.93 NA | na | NA | NA | NA | NA | na | na | na | na | NA | na | na | na | NA | NA | NA | NA | NA | na | na |
| 23215 | 254 | 848 | 10/26/2014 | 2176 | 8 dead | 16.25 | 13.99 | 5 | 146.74 NA | NA | NA | NA | NA | NA | na | na | na | na | NA | na | NA | nA | NA | NA | NA | NA | NA | NA | NA |
| 23216 | 254 | 848 | 10/26/2014 | 2176 | 8 dead | 17.15 | 15.2 | 5.5 | 180.91 NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| ${ }_{23218}^{23217}$ | 254 | 848 | 10/26612014 | ${ }_{2176}$ | 8 dead | 18.23 | 14.51 | 4.61 | 135.25 NA 2385 NA | NA | NA | $\cdots$ | NA | $\begin{aligned} & \text { NA } \end{aligned}$ | $\begin{gathered} N A \\ N A \end{gathered}$ | NA | $\begin{aligned} & N A \\ & N A \end{aligned}$ | NA NA | NA | NA | NA | NA | NA NA | NA NA | ${ }_{\text {NA }}$ | NA | $\begin{aligned} & \text { NA } \end{aligned}$ |  |  |





































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| 21475 | 13650 | 913n |  | 43459 | 3379 | 3688 | 142 | 7287 | 1490 | 83 | 3402 | 2356 | 303 | 3807 | 47 | 2379 |  | 81 | 3146 | 103 | 84 |  |  | 12.05 | 313.07 |  |  |  |  |  |  |  |  |
| 21476 | 13651 | 10914n |  | 57686 | 4889 | 5494 | 202 | 10111 | 2054 | 11973 | 4861 | 2351 | 385 | 6050 | 199 | 3329 | 4360 | 284 | 4517 | 174 | 124 | 415.9081 | 4907.3586 | 17.1842 | 467.3756 | 174.7342 | 860.1446 | 32.7520 | 413.5262 | 16.9290 | 514.6746 | 24.1599 | 283.1986 |
| 21477 | 13652 | 10915n |  | 94808 | 6730 | 15291 | 368 | 34776 | 839 | 39060 | 13214 | 2355 | 621 | 16609 | 285 | 11730 | 12591 | 312 | 11409 | 390 | 195 | 571.5499 | 8051.6348 | 31.2527 | 1298.5987 | 71.2527 | 2953.3758 | 52.7389 | 1122.2081 | 24.2038 | 1410.5308 | 26.4968 | 996.1783 |
| 21478 | 13653 | 10916n |  | 61637 | 5522 | 5630 | 196 | 11821 | 2120 | 13023 | 4959 | 2378 | 385 | 6579 | 35 | 3378 | 4718 | 109 | 4612 | 151 | 112 | 464.4239 | 5183.9361 | 16.4844 | 473.5071 | 178.3011 | 994.1968 | 32.3802 | 417.0732 | 2.9437 | 553.3221 | 9.1674 | 284.1043 |
| 21479 | 13654 | 10917n |  | 20 | 5264 | 2557 | 323 | 188 | 1239 |  | 2242 | 135 | 560 | 88 | 144 | 14 | 2103 | 219 | 2018 | 132 | 203 | 432.3614 | 1923.6140 | 26.5298 | 210.0205 | 101.7659 | 179.7125 | 45.9959 | 184.1478 | 11.8275 |  | 17.9877 | 115.8111 |
| 21480 | 13655 | 10918 |  | 69538 | 5158 | 6185 | 160 | 16152 | 1149 | 16746 | 5458 | 275 | 376 | 7097 | 86 | 3822 | 5247 | 138 | 4764 | 148 | 94 | 434.3579 | 5855.83 | 13.4737 | 520.8421 | 96.757 | 1360.168 | 31.663 | 459.6211 | 7.242 | 597.6421 | 11.6211 | 321.8526 |
| 21481 | 13656 | 10919n |  | 39242 | 8291 | 3199 | 378 | 3479 |  |  | 2745 | 275 |  |  | 160 | 1822 | 2848 | 224 | 2535 |  | 205 | 698.189 | 3304.5 | 31.8316 | 269.3895 | 154.7789 | 292.96 | 65.8526 | 231.1579 | 13.4737 |  | 18.8632 | 153.4316 |
| 21482 | 13657 | 10920n |  |  | 9394 |  | 36 | 5100 | 2640 | 9491 | 3394 | 2344 | 726 | 4807 | 157 | 2531 |  | 281 | 3356 | 176 | 230 | 801.5358 | 4065.1024 | 30.7167 | 344.3686 | 225.2560 | 435.1536 | 61.9454 | 289.5904 | 13.3959 | 410.1536 | 23.9761 |  |
| 21483 | 13658 | 10921n |  | 50559 | 94 | 4381 | 216 | 8029 | 2611 | 10490 | 3975 | 2322 | 479 | 5304 | 82 | 2967 | 4040 | 159 | 3680 | 101 | 111 | 533.5056 | 4354.7804 | 18.6047 | 377.3471 | 224.8923 | 691.5590 | 41.2575 | 342.3773 | 7.0629 | 456.8475 | 13.6951 | 255.5556 |
| 21484 | 13659 | 10922n |  | 297 | 8085 | 2561 | 411 | 2093 | 1226 | 5987 | 2245 | 2461 | 868 | 3155 | 222 | 1526 | 2491 | 281 | 2209 | 244 | 285 | 657.0500 | 2417.553 | 33.4011 | 208.1268 | 99.6343 | 170.093 | 70.5404 | 182.4462 | 18.0414 | 256.3998 | 22.8362 | 124.0146 |
| 21485 | 13660 | 10923n |  | 37783 | 9061 | 4944 | 531 | 4051 | 2122 | 8777 | 4325 | 2410 | 995 | 5331 | 229 | 2887 | 3828 | 356 | 3683 | 326 | 343 | 751.9502 | 3135.518 | 44.06 | 410.2905 | 176.099 | 336.18 | 82.5726 | 3588.9212 | 19.004 | 442.406 | 29.543 | 23.58551 |
| ${ }_{21486}^{2148}$ | 13661 | ${ }^{109224}$ |  | 32392 | 59 | - 03 | 380 | $\begin{array}{r}3306 \\ \hline 504\end{array}$ | 1608 | 6975 | 3317 | ${ }^{2436}$ | 715 | 3993 | 158 | 2063 | 2873 | 227 | 2873 | 192 | 237 | 543.2677 | 2659.4417 | ${ }^{31.1987}$ | 302.7094 | 132.0197 | 271.4286 | 58.7028 | 272.3317 | 12.9721 | 327.8325 | 18.6371 | 169.3760 |
| 21487 | 13662 | 10925n |  | 31047 | 5979 | 4083 | 365 | 3594 | 1545 | 7258 | 3864 | 2400 | 625 | 3825 | 123 | 2003 | 2687 | 205 | 2800 | 152 | 201 | 497.4167 | 2587.2500 | 30.4167 | 340.2500 | 128.7500 | 299.5000 | 52.0833 | 322.000 | 10.2500 | 318.7500 | 17.0833 | 166.9167 |
| 21488 | 13663 | 10926n |  | 52704 | 7716 | 4906 | 344 | 6712 | 2661 | 10181 | 3986 | 2377 | 658 | 5273 | 57 | 2868 | 3837 | 181 | 3622 | 248 | 160 | 649.2217 | 4434.4973 | 28.9440 | 412.7892 | 223.8957 | 564.7455 | 55.3639 | 335.3807 | 4.7960 | 443.6685 | 15.2293 | 241.3126 |
| 21489 | 13664 | 10927n |  | 30811 | 6005 | 4253 | 428 | 3274 | 1628 | 6829 | 3629 | 2388 | 702 | 4041 | 154 | 2528 | 3093 | 256 | 3132 | 231 | 249 | 502.9313 | 2580.4858 | 35.8459 | 356.1977 | 136.3484 | 274.2044 | 58.7940 | 303.9363 | 12.8978 | 338.4422 | 21.4405 | 211.7253 |
| 232 | 13782 | 12540 |  | 2534 | 519 | 455 | 52 | 267 | 144 | 589 | 401 | 322 | 83 | 403 | 18 | 196 | 289 | 24 | 288 | 11 | 28 |  |  |  |  | 89.4410 |  |  |  |  |  |  | 121.7391 |
| 23215 | 13781 | 12539 | 12015 | 51 | 4 | 328 | 4 | 192 | 111 | 410 | 290 | 320 | 71 | 321 | 18 | 148 | 208 | 13 | 219 | 42 | 21 | 294.3750 | 1344.3750 | 26.8750 | 205.0000 | 69.3750 | 12.0000 | 44.3750 | 181.2500 | 11.2500 | 200.6250 | 8.1250 | 92.5000 |
| 23216 | 13780 | 12538 | 51/2015 | 1928 | 569 | 321 | 56 | 153 |  | 455 | 273 | 325 | 102 | 305 | 30 | 146 | 213 | 33 | 219 | 38 | 44 | 350.1538 | 1186.4615 | 34.4615 | 197.5385 | 51.0769 | 94.1538 | 62.7692 | 168.0000 | 18.4615 | 187.6923 | 20.3077 |  |
| 23217 | 13779 | 12537 | 51/2015 | 3730 | 318 | 479 | 22 | 629 | 129 | 793 | 454 | 326 | 40 | 428 | 14 | 222 | 299 | 16 | 324 | 28 | 10 | 195.0920 | 2288.3436 | 13.4969 | 293.8650 | 79.1411 | 385.8896 | 24.5399 | 278.5276 | 8.5890 | 262.5767 | 9.8160 | 136.1963 |








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| specimen_no cD | D_Leu | L_Leu | Al | _Al | Asp_DL | _DL | _DL | _DL | al_DL | e_dL | _DL |  | yrzeroAdj | all.0.025 | .est |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 21475 | 7.1307 | 267.0628 | 8.7436 | 253.1409 | 0.0778 | 0.0385 | 0.2045 | 0.0891 | 0.0123 | 0.0340 | 0.0267 | 0.0345 | NA | 15 | 113 | 305 | 17 | 129 | 340 | 15 | 117 | 317 |
| 21476 | 10.5487 | 384.2620 | 14.8022 | 370.9060 | 0.0848 | 0.0368 | 0.2031 | 0.0792 | 0.0329 | 0.0853 | 0.0275 | 0.0399 | NA | 28 | 146 | 358 | 32 | 165 | 406 | 29 | 151 | 375 |
| 21477 | 16.5605 | 968.9172 | 33.1210 | 1069.2994 | 0.0710 | 0.0241 | 0.0241 | 0.0470 | 0.0172 | 0.0266 | 0.0171 |  | NA | ${ }^{6}$ | 84 | 255 | 8 | 97 | 285 | 7 | 87 | 64 |
| 21478 | 9.4197 | 387.8890 | 12.6997 | 396.8040 | 0.0896 | 0.0348 | 0.1793 | 0.0776 | 0.0053 | 0.0323 | 0.0243 |  | NA | 39 | 174 | 410 | 43 | 196 | 454 | 40 | 180 | 423 |
| 21479 | 16.6735 | 165.7495 | 10.8419 | 172.7310 | 0.2248 | 0.1263 | 0.5663 | 0.2498 | 0.0536 | 0.1553 | 0.1006 | 0.0628 | NA | 2392 | 3148 | 3996 | 55 | 3114 | 3967 | 2383 | 3139 | 3988 |
| 21480 | 7.9158 | 401.1789 | 12.4632 | 441.8526 | 0.0742 | 0.0259 | 0.0711 | 0.0689 | 0.0121 | 0.0361 | 0.0197 | 0.0282 |  | 10 | 97 | 280 | 12 | 111 | 307 | 10 | 101 | 288 |
| 21481 | 17.2632 | 213.4737 | 17.4316 | 239.8316 | 0.2113 | 0.1182 | 0.5283 | 0.2849 | 0.0423 | 0.1229 | 0.0809 |  | NA | 1918 | 2585 | 3364 | 1876 | 2550 | 3331 | 1906 | 2576 | 3356 |
| 21482 | 19.6246 | 286.3481 | 15.0171 | 311.3481 | 0.1972 | 0.0892 | 0.5176 | 0.2139 | 0.0327 | 0.1110 | 0.0685 | 0.0482 | NA | 1484 | 2080 | 2774 | 1455 | 2051 | 2748 | 1476 | 2073 | 2768 |
| 21483 | 9.5607 | 316.9681 | 6994 | 347.9759 | 0.1225 | 0.0493 | 0.3252 | 0.1205 | 0.0155 | 0.0536 | 0.0302 | 0.0250 | NA | 206 | 464 | 820 | 218 | 488 | 862 | 210 | 470 | 832 |
| 21484 | 23.1613 | 179.5205 | 19.8293 | 202.4380 | 0.2718 | 0.1605 | 0.5858 | 0.3866 | 0.0704 | 0.1841 | 0.1290 | 0.0980 | NA | 4694 | 5803 | 6999 | 4713 | 5865 | 7096 | 4698 | 5819 | 7024 |
| 21485 | 28.4647 | 305.6432 | 27.0539 | 317.6763 | 0.2398 | 0.1074 | 0.5238 | 0.2301 | 0.0430 | 0.1233 | 0.0931 | 0.0852 | NA | 3016 | 3874 | 4820 | 3010 | ${ }^{3853}$ | 4801 | 3015 | 3869 | 4815 |
| 21486 | 19.4581 | ${ }^{235.8785}$ | 15.7635 | ${ }^{235.8785}$ | ${ }^{0.2043}$ | ${ }^{0.1031}$ | 0.4864 | ${ }^{0.2156}$ | ${ }^{0.0396}$ | 0.1100 | ${ }^{0.0825}$ | 0.0668 | NA | 1697 | 2325 | 3059 | 1650 | 2292 | ${ }^{3023}$ | 1685 | ${ }^{2316}$ | ${ }^{3052}$ |
| 21487 | 16.7500 | 233.3333 | 12.6667 | 223.9167 | ${ }^{0.1923}$ | 0.0894 | 0.4299 | 0.1617 | 0.0322 | 0.1023 | 0.0718 |  | NA | 1345 | 1915 | 2588 | 1324 | 1894 | 2577 |  | 1910 |  |
| 21488 | 13.4623 | 304.7539 | 20.8666 | 322.8439 | 0.1464 | 0.0701 | 0.3965 | 0.1651 | 0.0108 | 0.0631 | 0.0442 | 0.0646 | NA | 460 | 815 | 1273 | 469 | 827 | 1290 | 463 | 818 | 1278 |
| 21489 | 20.8543 | 262.3116 | 19.3467 | 259.0452 | 0.1949 | ${ }^{0.1006}$ | ${ }^{0.4973}$ | 0.1934 | ${ }^{0.0381}$ | ${ }^{0.1013}$ | 0.0795 | 0.0747 | NA | 1432 | 2006 | 2680 | 1395 | 1979 | 2667 | ${ }^{1422}$ | 1999 | 2678 |
| 23214 | 17.3913 | 178.8820 | 25.4658 | 179.5031 | 0.2048 | 0.1143 | ${ }^{0.5393}$ | 0.2070 | 0.0447 | 0.1224 | 0.0972 | 0.1419 | NA | 1711 | 2347 | 3080 | 1674 | ${ }^{2312}$ | 3057 | 1699 | 2338 | 3075 |
| 23215 | 13.1250 | 136.8750 | ${ }^{26.2500}$ | 130.0000 | ${ }^{0.2190}$ | ${ }^{0.1311}$ | 0.5781 | ${ }^{0} 0.2448$ | ${ }^{0.0561}$ | 0.0878 | 0.0959 | 0.2019 |  | 2190 | ${ }_{7569}^{2898}$ | ${ }^{3714}$ | 2132 | 2860 7838 | 3679 | ${ }_{6221}^{2171}$ | ${ }_{763}^{2888}$ | ${ }^{3706}$ |
| ${ }_{23217}^{23216}$ | 27.0769 6.1350 | 134.7692 <br> 1987730 | ${ }_{171779}^{23.3846}$ | 131.0769 1834356 | ${ }^{0.29951}$ | 0.1745 | ${ }^{0} 0.5425$ | ${ }^{0.37368}$ | ${ }^{0.0984}$ | 0.2260 | ${ }^{0.2009}$ |  |  | 6200 29 | 7566 149 | 9030 366 | 6275 33 | $\begin{array}{r}7838 \\ \hline 169\end{array}$ | 9716 | ${ }_{6221} 20$ | $\begin{array}{r}7637 \\ 154 \\ \hline 15\end{array}$ | ${ }^{9279}$ |
| 23217 23218 | 6.1350 | 198.7730 308.8050 | 17.1779 | ${ }^{183.4356}$ | 0.0853 | 0.0459 | 0.2051 | 0.0881 | 0.0327 | 0.0721 | 0.0309 |  |  |  |  | ${ }^{366}$ | 33 | 169 | 409 208 |  |  |  |

Acquired :5/09/2016 2:20:37 PM using Batch run2.b
 Time (Sec)
62.4758 $\begin{array}{lll}62.8096 & 0.01669 \\ 6331439 & 0.033095\end{array}$ $\begin{array}{lr}63.1439 & 0.033405 \\ 63.4778 & 0.0501\end{array}$ $\begin{array}{rr}63.4778 \\ 63.8116 & 0.0501 \\ 0.06679\end{array}$ $\begin{array}{rr}63.8116 & 0.06679 \\ 64.1459 & 0.083505\end{array}$ 64.14597
64.0 .083505

0.100195 $64.8136 \quad 0.11689$ \begin{tabular}{l}
65.14790 .133605 <br>
654817 <br>
\hline

 $\begin{array}{ll}65.4817 & 0.150295 \\ 65.8156 & 0.16699\end{array}$ $\begin{array}{ll}65.8156 & 0.16699 \\ 66.1509 & 0.183755\end{array}$ 

666.4847 \& 0.200445 <br>
\hline
\end{tabular} $66.8186 \quad 0.21714$ $67.1529 \quad 0.233855$ 67.4867

6.2350545
68205
0 $\begin{array}{lll}67.8205 & 0.267235 \\ 68.1549 & 0.283955\end{array}$ 67.82549
68.28887
68.300645 $\begin{array}{ll}68.4887 \\ 68.8225 & 0.30173355\end{array}$ 68.825
69.1569
0.3334055
69.9907

0 69.49070 .350745 $\begin{array}{ll}69.8245 & 0.367435 \\ 70.1589 & 0.384155\end{array}$ $\begin{array}{ll}70.1589 \\ 70.4927 & 0.484155 \\ 0.40845\end{array}$ $\begin{array}{ll}70.4927 & 0.400845 \\ 70.8265 & 0.417535 \\ 711608 & 0.43425\end{array}$ \begin{tabular}{rr}
71.1608 \& 0.43425 <br>
\hline

 

71.4947 <br>
\hline 0.450945 <br>
71.829 \& 0.46766

 71.8290 .46766 72.16280 .48435 

72.831 \& 0.51776 <br>
72.856 <br>
\hline

 $73.1648 \quad 0.53445$ $\begin{array}{ll}73.1648 & 0.53445 \\ 73.4986 & 0.55114 \\ 73.833 & 0.57786\end{array}$ $\begin{array}{ll}73.833 & 0.56786 \\ 74.1678 & 0.5846\end{array}$ $\begin{array}{ll}74.1678 & 0.5846 \\ 74.5016 & 0.50129\end{array}$ $\begin{array}{rr}74.5016 & 0.60129 \\ 74.836 & 0.61801\end{array}$ $75.1698 \quad 0.6347$ $\begin{array}{ll}75.1698 & 0.6347 \\ 75.5036 & 0.65139\end{array}$ $\begin{array}{rr}75.838 & 0.66811 \\ 75.658\end{array}$ $\begin{array}{lr}756.1718 & 0.6848 \\ 76.5056 & 0.70149\end{array}$ $\begin{array}{ll}76.5056 & 0.70149 \\ 76.8399 & 0.718205\end{array}$ $\begin{array}{lr}76.8399 & 0.718205 \\ 77.1738 & 0.7349\end{array}$ $\begin{array}{ll}77.1738 & 0.7349 \\ 77.5076 & 0.75159\end{array}$ $\begin{array}{rr}77.5376 & 0.75199 \\ 77.8419 & 0.768305\end{array}$ $\begin{array}{lll}78.1757 & 0.784995\end{array}$ 

78.1577 \& 0.784995 <br>
78.5096 <br>
78.8439 \& 0.80169 <br>
\hline 0.818405
\end{tabular} $\begin{array}{lll}78.8439 & 0.818405 \\ 79.1777 & 0.835095\end{array}$ $\begin{array}{ll}79.1777 & 0.835095 \\ 79.5116 & 0.85179\end{array}$ $\begin{array}{ll}79.5116 & 0.85179 \\ 79.8459 & 0.868505\end{array}$ $\begin{array}{lll}80.1797 & 0.885195\end{array}$ 80.51350 .901885 80.84790 .918605 1.18170 .935295 $\begin{array}{ll}1.5155 & 0.951985 \\ 1.8499 & 0.968705\end{array}$ $\begin{array}{lll}82.1847 & 0.985445 & 164.03 \\ 117.01\end{array}$ 82.51851 .002135138 .02

$\begin{array}{llll}72.01 & 5617.52 & 43704.63\end{array}$$\begin{array}{lll}617.68 & 43934.3 \\ 75.01 & 5168.23 & 44947.75\end{array}$

| 75.01 | 5168.23 | 44947.75 |
| :--- | :--- | :--- |
| 75.01 | 5471.76 | 48577.79 |
| 9.01 | 6741.66 | 5007.57 |

$\begin{array}{llll} & 51.01 & 541.76 & 48577.89 \\ 99.01 & 6741.66 & 50077.57\end{array}$

| 91.01 | 5344.25 | 47432.69 |
| :--- | :--- | :--- | :--- |

$\begin{array}{ccc}99.01 & 5151.04 & 47086.23 \\ 89.01 & 5628.66 & 40458.2\end{array}$

| 89.01 | 5628.66 | 40455.2 |
| :--- | :--- | :--- |
| 79.01 | 5973.01 | 46790.88 |

$\begin{array}{rrr}79.01 & 5973.01 & 46790.88 \\ 41 & 5782.54 & 433358.62\end{array}$
$\begin{array}{rrr} & 5895 & 40720.16 \\ 68.01 & 5937.55 & 45553.98\end{array}$
$\begin{array}{rrr}68.01 & 5937.55 & 45553.98 \\ 58 & 4855.82 & 450303.25 \\ 58 & 5075.5 & 459501\end{array}$

| 58 | 4855.82 | 47003.25 |
| :--- | :--- | :--- |
| 48 | 5075.19 |  |
| 05950.1 |  |  |

$\begin{array}{lrr}5075.19 & 45950.1 \\ 58 & 5458.6 & 44975.29 \\ & 63947 & 45503.25\end{array}$
$\begin{array}{rrr}48 & 5458.6 & 44975.29 \\ 48 & 6394.7 & 4503.25 \\ 65 & 5666.12 & 42635.73\end{array}$
$\begin{array}{llll}65 & 5364.12 & 45503.25 \\ & 42635.73 \\ & 5456.5 & 44731.89\end{array}$
$\begin{array}{lll}57 & 54566.58 & 447331.89 \\ & 5288.61 & 430382\end{array}$
$\begin{array}{lll}58 & 5288.61 & 43038.2 \\ 56 & 5902.21 & 43499.8\end{array}$
$\begin{array}{rrrr}56 & 5902.1 & 43449.8 \\ 55 & 5342.23 & 47579.98\end{array}$
$\begin{array}{cr}55 & 5342.23 \\ 52 & 47579.98 \\ 5226.9 & 39094.01\end{array}$
$\begin{array}{llll}52 & 522.69 & 39094.01 \\ 46 & 5313.9 & 44401.7\end{array}$
$\begin{array}{lll}46 & 5313.9 & 44401.7 \\ 47 & 5209.7 & 41921.55\end{array}$
$\begin{array}{llll}65 & 5035.76 & 44355.49\end{array}$
$\begin{array}{rrr}81.01 & 5988.21 & 46688.95 \\ 59 & 4738.59 & 44501.84\end{array}$
$\begin{array}{lll}59 & 4738.59 & 44500.84 \\ 61 & 4982.17 & 48522.39\end{array}$
$\begin{array}{ll}69.01 & 5030.7 \\ & 47418.29\end{array}$

| 69.01 | 5030.7 | 47418.29 |
| ---: | ---: | ---: |
| 72.01 | 5200.6 | 45033.67 |
| 60 | 5822.07 | 43187 |

$\begin{array}{rrr}72.01 & 5200.6 & 45033.67 \\ 60 & 5822.07 \\ 54 & 410707.9\end{array}$
$\begin{array}{lll}60 & 5822.07 & 41107.9 \\ 54 & 4397.18 & 43179.75\end{array}$
$\begin{array}{lll}46 & 5663.08 & 361118.9 \\ 67 & 5008.46 & 40620.82\end{array}$
$67 \quad 4675.94$
639881.58
$\begin{array}{llll}68.01 & 4509.27 & 41255.16\end{array}$
$\begin{array}{rrr}68.01 & 4509.27 & 41252.16 \\ 59 & 5058 & 43690.34 \\ 57 & 5404.97 & 40136.41\end{array}$
$\begin{array}{lll}57 & 5404.97 & 40136.41 \\ 70.01 & 490736 & 438167\end{array}$
$\begin{array}{rrr}70.01 & 4907.36 & 43816.7 \\ 43 & 4210.42 & 40024.11\end{array}$
$\begin{array}{lll}43 & 4210.42 & 40024.11 \\ 63 & 4627.45 & 39076.61\end{array}$
$\begin{array}{lll}63 & 4627.45 & 39076.61 \\ 58 & 4475.94 & 38048.48\end{array}$
$\begin{array}{llll}58 & 4475.94 & 38048.48 \\ 43 & 4705.24 & 39259.43\end{array}$
$58 \quad 5002.3941914 .98$

Convertion mmol/mol (Georem)

| Li7 | B11 | Mg25 | Mg26 |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.029305 & 0.202958 & 0.261252 & 0.354856\end{array}$ $\begin{array}{llll}0.011215 & 0.173356 & 0.203452 & 0.286218 \\ 0.035342 & 0.216919 & 0.400389 & 0.272849\end{array}$ $\begin{array}{llll}0.035342 & 0.216919 & 0.400389 & 0.27284 \\ 0.018828 & 0.308459 & 0.254699 & 0.241273\end{array}$ $\begin{array}{lllll}0.01925 & 0.301336 & 0.435981 & 0.50225\end{array}$ $\begin{array}{llllllllll}0.033864 & 0.240049 & 0.304511 & 0.33822\end{array}$ $\begin{array}{llllll}0.021014 & 0.145797 & 0.310143 & 0.36970\end{array}$ $\begin{array}{llllll}0.025812 & 0.222994 & 0.344687 & 0.369166\end{array}$ $\begin{array}{llll}0.03198 & 0.135409 & 0.543737 & 0.359396 \\ 0.051769 & 0.215197 & 0.716899 & 0.607487\end{array}$ $\begin{array}{lllll}0.055705 & 0.262192 & 0.701623 & 0.677825\end{array}$ $\begin{array}{llll}0.069529 & 0.204758 & 1.040854 & 0.774094\end{array}$ $\begin{array}{llllll}0.069864 & 0.150149 & 0.639793 & 0.663846\end{array}$ $\begin{array}{lllll}0.025797 & 0.206072 & 0.481524 & 0.53136\end{array}$ $\begin{array}{llll}0.048499 & 0.168278 & 0.413212 & 0.441188\end{array}$ $\begin{array}{llll}0.067257 & 0.224408 & 0.4729 & 0.595238 \\ 0.045927 & 0.237496 & 0.433626 & 0.427385\end{array}$ $\begin{array}{lllll}0.063112 & 0.161277 & 0.456343 & 0.40318\end{array}$ $\begin{array}{lllll}0.054354 & 0.17012 & 0.361775 & 0.43228\end{array}$ $\begin{array}{lllll}0.062029 & 0.22086 & 0.539797 & 0.396407\end{array}$ $\begin{array}{lllll}0.064189 & 0.196584 & 0.444543 & 0.657876\end{array}$ $\begin{array}{lllll}0.056339 & 0.194366 & 0.465781 & 0.537644\end{array}$ $\begin{array}{llllll}0.0687198 & 0.243797 & 0.486415 & 0.542336\end{array}$ $\begin{array}{llllllll}0.043782 & 0.162763 & 0.314611 & 0.47352\end{array}$ $\begin{array}{llllllll}0.046244 & 0.192122 & 0.447657 & 0.421672\end{array}$ 0.0406940 .2137910 .4899290 .572236 $\begin{array}{lllll}0.033843 & 0.17214 & 0.545391 & 0.401136\end{array}$ $\begin{array}{lllll}0.033145 & 0.173241 & 0.34501 & 0.50764\end{array}$ $0.031096 \quad 0.39287 \quad 0.309208 \quad 0.322435$ $\begin{array}{lllllll}0.044011 & 0.204404 & 0.433302 & 0.422457\end{array}$ 0.0644030 .2024480 .4334270 .434214 $\begin{array}{llllll}0.051016 & 0.114765 & 0.492323 & 0.42276\end{array}$ $\begin{array}{lllll}0.037717 & 0.114641 & 0.355604 & 0.364635\end{array}$ 0.0278240 .1737390 .2713940 .53833 | 033024 | 0.194651 | 0.314947 | 0.35498 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllll}0.053564 & 0.18607 & 0.346884 & 0.3389\end{array}$ $0.048305 \quad 0.175690 .3364510 .33624$ 0.0548120 .2313430 .5357970 .44486 $\begin{array}{llll}0.07622 & 0.293147 & 0.458541 & 0.382616\end{array}$ $\begin{array}{lllll}0.065847 & 0.127531 & 0.352701 & 0.428262\end{array}$ $\begin{array}{lllllllllll}0.083643 & 0.14411 & 0.403022 & 0.359034\end{array}$ 0.0920290 .1458780 .3215810 .488033 $0.065877 \quad 0.1489440 .2791360 .31218$ $\begin{array}{llllll}0.10158 & 0.139411 & 0.320548 & 0.455894\end{array}$ $\begin{array}{llllll}0.121974 & 0.180264 & 0.414533 & 0.478538\end{array}$ 11272701422820.341673 $\begin{array}{llllll}0.113271 & 0.141169 & 0.298173 & 0.302268\end{array}$ $\begin{array}{llllll}0.118311 & 0.105502 & 0.262143 & 0.347393\end{array}$ $\begin{array}{llllll}0.108101 & 0.160818 & 0.275473 & 0.351735\end{array}$ $\begin{array}{llllll}0.22939 & 0.195258 & 0.458421 & 0.430376\end{array}$ $\begin{array}{llllll}0.165845 & 0.181185 & 0.287937 & 0.389378\end{array}$ $\begin{array}{lllll}0.151929 & 0.147755 & 0.363881 & 0.211184\end{array}$ $\begin{array}{llllllll}0.209205 & 0.299938 & 0.273433 & 0.29105\end{array}$ $\begin{array}{llllll}0.096924 & 0.180341 & 0.1915 & 0.230343\end{array}$ $0.13608 \quad 0.2244580 .294266 \quad 0.3109$

$\begin{array}{llllllll}\text { Ca44 Mn55 } & \text { Zn66 } & \text { Zn67 } & \text { Zn68 } & \text { Sr86 } & \text { Sr88 } & \text { Ba137 }\end{array}$

 $\begin{array}{lllllllll}1000 & 1000.51 & 0.00518 & 0.031674 & 0.024205 & 0.035041 & 4.647787 & 3.575514 & 0.00386 \\ 1000 & 1031.982 & 0.008543 & 0.036636 & 0.038268 & 0.042466 & 4.295375 & 3.799794 & 0.000321\end{array}$ $\begin{array}{lllllllll}1000 & 1031.982 & 0.008543 & 0.036636 & 0.038268 & 0.042466 & 4.295375 & 3.799794 & 0.000321 \\ 1000 & 966.1479 & 0.009645 & 0.022543 & 0.008768 & 0.030148 & 5.178892 & 3.762811 & 0.001797\end{array}$ $\begin{array}{lllllllll}1000 & 1058.332 & 0.007018 & 0.042838 & 0.035832 & 0.034649 & 4.213986 & 4.44589 & 0.006288\end{array}$ $\begin{array}{lllllllllll}1000 & 1252.964 & 0.004444 & 0.027293 & 0.014523 & 0.038054 & 5.056534 & 4.308959 & 0.005161\end{array}$ $\begin{array}{lllllllll}1000 & 886.2144 & 0.007159 & 0.033265 & 0.051893 & 0.035584 & 4.220278 & 4.08151 & 0.003125\end{array}$ $\begin{array}{lllllllll}1000 & 1261.933 & 0.005611 & 0.067682 & 0.04591 & 0.058877 & 4.50855 & 3.93922 & 0.005451\end{array}$ $\begin{array}{llllllll}1000 & 1022.436 & 0.012658 & 0.072332 & 0.038203 & 0.076642 & 3.730756 & 3.082372 \\ 1000 & 1178.864 & 0.00327208 \\ & 0.108674 & 0.112196 & 0.088583 & 4.988793 & 4.983388 & 0.011577\end{array}$ $\begin{array}{llllllll}1000 & 11221.164 & 0.0252507 & 0.126258 & 0.054595 & 0.0877727 & 6.7882904 & 4.79332\end{array} 0.00933$ $\begin{array}{lllllllll}1000 & 1169.967 & 0.022118 & 0.096745 & 0.088272 & 0.102919 & 5.863557 & 5.330126 & 0.014392\end{array}$ $\begin{array}{llllllllllll}1000 & 1240.601 & 0.020294 & 0.080072 & 0.053004 & 0.077234 & 4.918088 & 4.735898 & 0.005833\end{array}$ $\begin{array}{llllllll}1000 & 830.0828 & 0.01753 & 0.044757 & 0.033465 & 0.034282 & 3.811631 & 4.001873 \\ 0.007251\end{array}$ $\begin{array}{lllllllll}1000 & 853.5812 & 0.007949 & 0.053252 & 0.064599 & 0.056633 & 3.829755 & 3.489079 & 0.004008\end{array}$ $\begin{array}{lllllllll}1000 & 983.4282 & 0.011146 & 0.07394 & 0.039561 & 0.041779 & 4.74546 & 4.508976 & 0.006391 \\ 1000 & 1014.013 & 0.010391 & 0.041356 & 0.117343 & 0.053535 & 4.336189 & 4.294531 & 0.011461\end{array}$ $\begin{array}{lllllllll}1000 & 996.4167 & 0.006526 & 0.007708 & 0.026281 & 0.058354 & 4.555074 & 3.834158 & 0.004216\end{array}$ $\begin{array}{lllllllllll}1000 & 1016.632 & 0.010141 & 0.043513 & 0.060769 & 0.048382 & 3.891375 & 3.618872 & 0.005816\end{array}$ $\begin{array}{llllllllll}1000 & 1019.332 & 0.008605 & 0.063375 & 0.057 & 0.063876 & 4.328701 & 4.078306 & 0.006406\end{array}$ $\begin{array}{llllllll}1000 & 1094.894 & 0.011265 & 0.063807 & 0.038413 & 0.0661 & 4.74678 & 4.561165 \\ 0.009169\end{array}$ $\begin{array}{lllllllll}1000 & 1144.298 & 0.013712 & 0.068945 & 0.087954 & 0.088216 & 5.431173 & 4.353937 & 0.008883 \\ 1000 & 935.2605 & 0.014239 & 0.057084 & 0.03551 & 0.06742 & 3778323 & 353898 & 0.07831\end{array}$ $\begin{array}{llllllll}1000 & 935.9605 & 0.014239 & 0.057084 & 0.03551 & 0.069742 & 3.778323 & 3.630898 \\ 0.007821 \\ 1000 & 957.7862 & 0.013141 & 0.062527 & 0.043903 & 0.096027 & 4.499863 & 4.456339 \\ 0 & 0.010949\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 1033.994 & 0.008194 & 0.036387 & 0.040219 & 0.062085 & 3.6489973 & 2.837597 & 0.007482\end{array}$ $\begin{array}{lllllllll}1000 & 1372.627 & 0.014131 & 0.053858 & 0.018704 & 0.074391 & 5.439032 & 4.605701 & 0.0105\end{array}$ $\begin{array}{llllllllll}1000 & 1093.795 & 0.009545 & 0.071309 & 0.046091 & 0.023442 & 4.334874 & 3.851075 & 0.002668\end{array}$ $\begin{array}{llllllll}1000 & 10552.648 & 0.010352 & 0.065403 & 0.043437 & 0.04894 & 5.105626 & 3.812948 \\ 0.0104111\end{array}$ $\begin{array}{lllllllll}1000 & 886.4949 & 0.013613 & 0.040721 & 0.053607 & 0.048144 & 4.310995 & 3.575518 & 0.005896 \\ 1000 & 1038.011 & 0.012821 & 0.043918 & 0.047357 & 0.044176 & 4.088386 & 4.291687 & 0.00727\end{array}$ $\begin{array}{lllllllll}1000 & 1038.011 & 0.012821 & 0.043918 & 0.047357 & 0.044176 & 4.088386 & 4.291687 & 0.00727 \\ 1000 & 890.9691 & 0.007781 & 0.045037 & 0.039298 & 0.026851 & 3.54854 & 3.481526 & 0.007741\end{array}$ $\begin{array}{lllllllll}1000 & 1017.542 & 0.008456 & 0.064811 & 0.016944 & 0.043143 & 4.496979 & 4.010462 & 0.004688\end{array}$ $\begin{array}{lllllllll}1000 & 1189.388 & 0.01333 & 0.04217 & 0.062436 & 0.035222 & 5.885051 & 4.522481 & 0.01105\end{array}$ $\begin{array}{llllllll}1000 & 1073.889 & 0.01183 & 0.049419 & 0.02211 & 0.051882 & 4.73077 & 3.850843\end{array} 0.006784$ $\begin{array}{lllllllll}1000 & 1084.515 & 0.009082 & 0.049463 & 0.029992 & 0.039817 & 4.262783 & 3.782449 & 0.006351\end{array}$ $\begin{array}{llllllll}1000 & 991.1785 & 0.007108 & 0.056228 & 0.057593 & 0.044356 & 4.477259 & 3.945663 \\ 0.0001926\end{array}$ $\begin{array}{llllllllll}1000 & 859.8847 & 0.004081 & 0.048473 & 0.15746 & 0.036874 & 4.088503 & 3.942689 & 0.0054777\end{array}$ $\begin{array}{lllllllllllll}1000 & 962.7517 & 0.010871 & 0.043902 & 0.035865 & 0.04111 & 4.884441 & 3.956919 & 0.009884\end{array}$ $\begin{array}{llllllllll}1000 & 956.9072 & 0.004857 & 0.036033 & 0.054803 & 0.031395 & 4.689964 & 4.243442 & 0.004593\end{array}$ $\begin{array}{llllllllll}1000 & 1049.767 & 0.008864 & 0.051104 & 0.038883 & 0.032451 & 4.571142 & 3.984271 & 0.004139\end{array}$ | 1000 | 972.7473 | 0.004976 | 0.044784 | 0.044056 | 0.054554 | 4.412854 | 4.212537 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}1000 & 810.1283 & 0.008829 & 0.037779 & 0.026778 & 0.059071 & 4.186686 & 3.528252 \\ 0.006017\end{array}$ $\begin{array}{lllllllll}1000 & 1000.804 & 0.010291 & 0.046317 & 0.054153 & 0.049358 & 4.340499 & 4.5823 & 0.007519\end{array}$ $\begin{array}{lllllllllll}1000 & 1002.429 & 0.011148 & 0.05982 & 0.037043 & 0.056711 & 4.202868 & 4.293512 & 0.005576\end{array}$ $\begin{array}{llllllllll}1000 & 870.0408 & 0.007824 & 0.041518 & 0.032154 & 0.052278 & 3.773405 & 3.539399 & 0.001297\end{array}$ $\begin{array}{lllllllll}1000 & 920.2837 & 0.010469 & 0.048938 & 0.020816 & 0.043343 & 4.578316 & 3.495564 & 0.004087\end{array}$ $\begin{array}{lllllllll}1000 & 898.9355 & 0.01095 & 0.049507 & 0.064008 & 0.040491 & 3.793184 & 4.046741 & 0.004082 \\ 1000 & 974753 & 0.011877 & 0.055316 & 0.044185 & 0.031289 & 4.936243 & 3.44028 & 0.005866\end{array}$ $\begin{array}{lllllllll}1000 & 974.753 & 0.011877 & 0.050316 & 0.044185 & 0.031289 & 4.986243 & 3.44028 & 0.005866 \\ 1000 & 958.0675 & 0.007535 & 0.054285 & 0.061397 & 0.053966 & 4.153972 & 3.651648 & 0.00432\end{array}$ $\begin{array}{lllllllll}1000 & 783.5671 & 0.005014 & 0.041605 & 0.0614 & 0.049961 & 3.586129 & 3.660393 & 0.004375\end{array}$ $\begin{array}{llllllllllll}1000 & 962.8841 & 0.012389 & 0.059098 & 0.033118 & 0.057329 & 3.881146 & 3.855574 & 0.005756\end{array}$ $\begin{array}{lllllllll}1000 & 1166.216 & 0.010913 & 0.045032 & 0.030438 & 0.050475 & 4.742382 & 4.439285 & 0.00809\end{array}$ $\begin{array}{lllllllll}1000 & 1446.576 & 0.006286 & 0.081208 & 0.120717 & 0.053304 & 5.651965 & 4.543507 & 0.003909\end{array}$ $\begin{array}{lllllllll}1000 & 1100.558 & 0.00695 & 0.035363 & 0.062491 & 0.058492 & 4.141224 & 4.009146 & 0.003985 \\ 1000 & 9375278 & 0.006125 & 0.040804\end{array}$ $\begin{array}{llllllll}1000 & 854.9454 & 0.004396 & 0.035508 & 0.023711 & 0.043418 & 3.374587 & 3.0929799\end{array} 0.0003804$ $\begin{array}{lllllllllllll}1000 & 1342.622 & 0.004357 & 0.052645 & 0.027889 & 0.05512 & 4.695265 & 4.334727 & 0.006503\end{array}$ $\begin{array}{llllllll}1000 & 855.8801 & 0.003259 & 0.021432 & -0.00221 & 0.021973 & 3.28945 & 2.978079\end{array} 0.002278$ $\begin{array}{llllllllllllllll}1000 & 1040.915 & 0.005928 & 0.032751 & 0.01205 & 0.043107 & 4.111981 & 3.734502 & 0.004684\end{array}$

| 82.8529 | 1.018855 | 166.03 | 70.01 | 106.04 | 146.07 | 7136.48 | 144504.6 | 141.02 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 83.1867 | 1.035545 | 131.02 | 74.01 | 99.03 | 192.12 | 6987.98 | 115905.3 | 144.02 |  |
| 83.5205 | 1.052235 | 128.02 | 78.01 | 173.09 | 145.07 | 7288.25 | 124172.6 | 151.02 |  |
| 83.8549 | 1.068955 | 133.02 | 83.01 | 119.04 | 150.07 | 7563.91 | 129959.7 | 121.02 |  |
| 84.1887 | 1.085645 | 150.02 | 75.01 | 110.04 | 147.07 | 7004.7 | 125870.6 | 93.01 |  |
| 84.5225 | 1.102335 | 145.02 | 97.01 | 78.02 | 136.06 | 6656.97 | 126382.6 | 141.02 |  |
| 84.8568 | 1.11905 | 195.04 | 87.01 | 119.04 | 125.05 | 7365.77 | 139218.7 | 157.03 |  |
| 85.1907 | 1.135745 | 155.03 | 94.01 | 85.02 | 163.08 | 7732.9 | 109344.3 | 117.01 |  |
| 85.525 | 1.15246 | 122.02 | 81.01 | 114.04 | 111.04 | 6421.41 | 122199.9 | 128.02 |  |
| 85.8588 | 1.16915 | 139.02 | 83.01 | 83.02 | 105.03 | 673.01 | 123601.7 | 129.02 |  |
| 86.1926 | 1.18584 | 133.02 | 98.01 | 100.03 | 85.02 | 6595.44 | 107474 | 134.02 |  |
| 86.527 | 1.20256 | 123.02 | 79.01 | 62.01 | 72.02 | 6086.38 | 109285.1 | 109.01 |  |
| 86.8608 | 1.21925 | 107.01 | 80.01 | 69.02 | 81.02 | 6815.6 | 113552.7 | 115.01 |  |
| 87.1946 | 1.23594 | 87.01 | 69 | 74.02 | 118.04 | 8172.46 | 98958.6 | 133.02 |  |
| 87.529 | 1.25266 | 96.01 | 99.01 | 77.02 | 153.07 | 6795.77 | 148979.3 | 109.01 |  |
| 87.8628 | 1.26935 | 66 | 99.01 | 110.04 | 120.05 | 6469.33 | 124512.1 | 112.01 |  |
| 88.1966 | 1.28604 | 60 | 96.01 | 75.02 | 116.04 | 7685.65 | 128468.9 | 150.02 | 19 |
| 88.5309 | 1.302755 | 61 | 97.01 | 84.02 | 170.09 | 7525.1 | 111864.4 | 124.02 | 136 |
| 88.8648 | 1.31945 | 73.01 | 97.01 | 63.01 | 129.05 | 7153.22 | 125683.4 | 104.01 |  |
| 89.1986 | 1.33614 | 93.01 | 107.01 | 88.02 | 108.04 | 5930.55 | 113455.2 | 111.01 |  |
| 89.5329 | 1.352855 | 109.01 | 93.01 | 78.02 | 139.06 | 7377.29 | 135207.8 | 105.01 |  |
| 89.8668 | 1.36955 | 140.02 | 62 | 105.03 | 85.02 | 6457.87 | 125735.3 | 91.01 |  |
| 90.2016 | 1.38629 | 143.02 | 67 | 63.01 | 93.03 | 8068.25 | 108604.3 | 111.01 |  |
| 90.5359 | 1.403005 | 193.04 | 7.01 | 66.01 | 94.03 | 6553.74 | 149134.7 | 96.01 |  |
| 90.8698 | 1.4197 | 165.03 | 74.01 | 85.02 | 106.04 | 8154.56 | 110587.1 | 134.02 |  |
| 91.2036 | 1.43639 | 138.02 | 71.01 | 69.02 | 107.04 | 7550.27 | 127276.8 | 119.02 |  |
| 91.5379 | 1.453105 | 173.03 | 62 | 64.01 | 103.03 | 6654.89 | 138710.5 | 77.01 |  |
| 91.8717 | 1.469795 | 134.02 | 83.01 | 76.02 | 121.05 | 8041.94 | 103277.6 | 118.01 |  |
| 92.2056 | 1.48649 | 128.02 | 88.01 | 73.02 | 92.03 | 8179.83 | 106752.6 | 109.01 |  |
| 92.5399 | 1.503205 | 147.02 | 88.01 | 58.01 | 94.03 | 7585.94 | 126270 | 113.01 |  |
| 92.8737 | 1.519895 | 105.01 | 68 | 81.02 | 83.02 | 6371.42 | 130503.9 | 152.02 |  |
| 93.2076 | 1.53659 | 114.01 | 73.01 | 80.02 | 103.03 | 7651.01 | 143244.3 | 121.02 |  |
| 93.5419 | 1.553305 | 103.01 | 61 | 75.02 | 86.02 | 6122.76 | 102205.5 | 108.01 |  |
| 93.8757 | 1.569995 | 109.01 | 71.01 | 53.01 | 72.02 | 7194.03 | 168041 | 96.01 |  |
| 94.2095 | 1.586685 | 67 | 93.01 | 63.01 | 85.02 | 7236.95 | 125613.9 | 117.01 |  |
| 94.5439 | 1.603405 | 57 | 73.01 | 70.02 | 84.02 | 6600.66 | 120473.5 | 104.01 |  |
| 94.8777 | 1.620095 | 79.01 | 101.01 | 74.02 | 110.04 | 6571.46 | 117737.8 | 104.01 |  |
| 95.2115 | 1.636785 | 75.01 | 133.02 | 61.01 | 99.03 | 9447.48 | 138259.3 | 111.01 |  |
| 95.5459 | 1.653505 | 72.01 | 75.01 | 68.01 | 84.02 | 6751.92 | 124696.2 | 122.02 |  |
| 95.8797 | 1.670195 | 110.01 | 125.02 | 89.03 | 80.02 | 7717.15 | 131030 | 138.02 |  |
| 96.2135 | 1.686885 | 95.01 | 99.01 | 57.01 | 84.02 | 7116.6 | 122308.5 | 138.02 |  |
| 96.5478 | 1.7036 | 77.01 | 137.02 | 79.02 | 130.05 | 8155.61 | 97993.19 | 202.04 |  |
| 96.8817 | 1.720295 | 52 | 160.03 | 121.05 | 109.04 | 6635.07 | 129437 | 152.02 |  |
| 97.216 | 1.73701 | 79.01 | 133.02 | 131.05 | 148.07 | 7310.25 | 102749.8 | 170.03 |  |
| 97.5498 | 1.7537 | 52 | 138.02 | 156.08 | 155.08 | 6126.92 | 126846.7 | 173.03 |  |
| 97.8836 | 1.77039 | 29 | 119.01 | 144.07 | 306.3 | 6026.11 | 112325.7 | 142.02 |  |
| 98.2185 | 1.787135 | 14 | 139.02 | 185.11 | 285.26 | 6771.76 | 96879.24 | 148.02 |  |
| 98.5528 | 1.80385 | 23 | 164.03 | 145.07 | 235.17 | 6349.56 | 98102.49 | 139.02 |  |
| 98.8867 | 1.820545 | 28 | 170.03 | 256.21 | 274.24 | 7757.05 | 119801.7 | 144.02 |  |
| 99.221 | 1.83726 | 13 | 144.02 | 229.17 | 321.33 | 8744.23 | 107859.9 | 142.02 |  |
| 99.5548 | 1.85395 | 32 | 137.02 | 204.13 | 305.29 | 6251.72 | 100094 | 148.02 |  |
| 99.8886 | 1.87064 | 25 | 172.03 | 236.18 | 281.25 | 7389.87 | 158834.6 | 185.04 |  |
| 100.223 | 1.88736 | 24 | 161.03 | 277.24 | 414.54 | 6061.44 | 102119.4 | 144.02 |  |
| 100.5568 | 1.90405 | 23 | 144.02 | 167.09 | 297.28 | 7502.03 | 93136.51 | 175.03 |  |
| 100.8906 | 1.92074 | 14 | 165.03 | 197.12 | 325.33 | 5835.05 | 114971.9 | 151.02 |  |
| 101.225 | 1.93746 | 23 | 149.02 | 249.2 | 229.17 | 7551.32 | 103362.6 | 196.04 |  |
| 101.5588 | 1.95415 | 15 | 167.03 | 186.11 | 322.33 | 6902.29 | 100905.5 | 168.03 |  |
| 101.8926 | 1.97084 | 15 | 161.03 | 235.17 | 292.27 | 7874.73 | 116097.5 | 196.04 |  |
| 102.2269 | 1.987555 | 34 | 181.03 | 208.14 | 233.17 | 5670.14 | 124967.9 | 160.03 |  |
| 102.5608 | 2.00425 | 33 | 219.05 | 272.23 | 294.27 | 7314.44 | 108526 | 176.03 |  |
| 102.8946 | 2.02094 | 28 | 223.05 | 354.4 | 309.3 | 6997.39 | 112473.6 | 183.04 |  |
| 103.2289 | 2.037655 | 35 | 261.07 | 316.32 | 452.65 | 6305.84 | 136726.4 | 136.02 |  |
| 103.5628 | 2.05435 | 32 | 193.04 | 309.3 | 436.6 | 6909.6 | 94815.09 | 155.03 |  |
| 103.8966 | 2.07104 | 41 | 198.04 | 212.14 | 307.3 | 7415.02 | 103001.2 | 120.02 |  |
| 104.2309 | 2.087755 | 41 | 129.02 | 308.3 | 341.37 | 6285.02 | 136522.3 | 113.01 |  |
| 104.5647 | 2.104445 | 52 | 144.02 | 263.22 | 286.26 | 7264.17 | 143296.9 | 125.02 |  |



| 36 | 4903.32 | 40134.23 |
| :---: | :---: | :---: |
| 49 | 5295.69 | 33563.38 |
| 38 | 4440.6 | 36070.25 |
| 54 | 4174.09 | 35109.06 |
| 58 | 4471.9 | 36955.42 |
| 66 | 4465.84 | 33986.19 |
| 59 | 4042.91 | 37130.92 |
| 53 | 4489.07 | 38899.29 |
| 57 | 3905.72 | 34739.14 |
| 61 | 3919.84 | 37252.29 |
| 43 | 3805.84 | 31050.55 |
| 44 | 3468.19 | 31790.24 |
| 41 | 3922.87 | 31353.35 |
| 30 | 4202.35 | 35555.93 |
| 64 | 4524.42 | 35497.62 |
| 67 | 3568.97 | 36184.86 |
| . 01 | 4261.9 | 32975.53 |
| . 01 | 3917.82 | 39520.72 |
| . 01 | 4432.52 | 35266.6 |
| . 01 | 3769.58 | 36829.8 |
| . 01 | 4144.82 | 37807.53 |
| 63 | 4231.62 | 38903.64 |
| 60 | 4234.65 | 35902.71 |
| 58 | 4153.91 | 33542.95 |
| 44 | 4696.15 | 36529.95 |
| 38 | 5158.12 | 36010.8 |
| 54 | 4398.19 | 38097.33 |
| 55 | 3916.81 | 35136.03 |
| . 01 | 4735.56 | 37995.28 |
| 49 | 4264.93 | 41446.75 |
| 60 | 4126.66 | 30878.37 |
| 54 | 4427.47 | 41563.76 |
| 47 | 4189.23 | 36267.05 |
| 28 | 4309.34 | 37549.35 |
| 41 | 4093.36 | 31129.71 |
| 49 | 4133.72 | 36009.71 |
| 33 | 4691.1 | 38802.51 |
| 54 | 4334.58 | 34119.68 |
| 38 | 4453.73 | 38187.46 |
| 40 | 5071.15 | 39948.89 |
| 36 | 4658.77 | 38898.21 |
| 41 | 4346.7 | 36559.16 |
| 36 | 4342.66 | 37404.05 |
| 39 | 3870.42 | 37677.34 |
| 43 | 4233.64 | 37964.89 |
| 43 | 4313.38 | 34899.8 |
| 23 | 4437.57 | 44318.08 |
| 29 | 4826.51 | 38394.92 |
| 37 | 4857.84 | 37837.91 |
| 37 | 4590.07 | 43604.66 |
| 26 | 4813.37 | 38392.75 |
| 43 | 4438.58 | 38514.45 |
| 37 | 4255.84 | 38144.02 |
| 40 | 4631.49 | 40024.11 |
| 37 | 4749.7 | 35388.57 |
| 28 | 4660.79 | 35563.49 |
| 34 | 4926.57 | 40384.01 |
| 34 | 5045.87 | 42769.48 |
| 37 | 5895 | 37334.67 |
| 47 | 4865.92 | 37783.66 |
| 34 | 4579.97 | 44876.15 |
| 40 | 5066.09 | 45478.98 |
| 42 | 4842.68 | 45194.56 |
| 42 | 5238.03 | 46282.48 |
| 48 | 5068.12 | 41049.99 |
|  | 5884.87 | 49182.09 |


$\begin{array}{lllll}0.178287 & 0.165328 & 0.313586 & 0.350832\end{array}$ | 0.141365 | 0.17995 | 0.298907 | 0.4859 |
| :--- | :--- | :--- | :--- |
| 132195 | 0.183186 | 0.502797 | 0.340867 | $\begin{array}{llllllll}0.132748 & 0.189337 & 0.332431 & 0.341249\end{array}$ $\begin{array}{llllllll}0.163069 & 0.182291 & 0.331637 & 0.360199\end{array}$ $\begin{array}{lllll}0.165485 & 0.25595 & 0.24662 & 0.346975\end{array}$ $\begin{array}{lllll} & 1529275 & 0.212484 & 0.341375 & 0.284622\end{array}$ $\begin{array}{lllll}0.142451 & 0.216986 & 0.37502 & 0.284217\end{array}$ $\begin{array}{llllll}0.156444 & 0.212801 & 0.25975 & 0.253881\end{array}$ $\begin{array}{llllll}0.152244 & 0.26128 & 0.319926 & 0.200283\end{array}$ 0.1516280 .2225550 .2137750 .175656 $\begin{array}{llll}0.116314 & 0.201587 & 0.212782 & 0.182442\end{array}$ $\begin{array}{llll}0.077115 & 0.141969 & 0.190467 & 0.23990\end{array}$ 0710290269740359086 $\begin{array}{llllll}0.053443 & 0.219163 & 0.205301 & 0.250062\end{array}$ $\begin{array}{llllll}0.055663 & 0.226418 & 0.235129 & 0.39455\end{array}$ $\begin{array}{llllll}0.0722 & 0.238191 & 0.184861 & 0.303914\end{array}$ $\begin{array}{lllll}0.114493 & 0.32003 & 0.312711 & 0.297945\end{array}$ $\begin{array}{lllll}0.10966 & 0.220433 & 0.222536 & 0.320969\end{array}$ $\begin{array}{lllll}0.13452 & 0.138993 & 0.163893 & 0.182951\end{array}$ $0.2276320 .200759 \quad 0.2115140 .22819$ 0.1550290 .1542030 .2195860 .211923 $\begin{array}{lllll}0.138369 & 0.158836 & 0.192075 & 0.2114143\end{array}$ 0.1997380 .15396 $\begin{array}{llllll}0.125867 & 0.178081 & 0.19885 & 0.25105 \\ 0.117784 & 0.186941 & 0.187694 & 0.17808\end{array}$ $\begin{array}{lllll}0.147359 & 0.201578 & 0.160291 & 0.197139\end{array}$ 0.1218740 .1790610 .2676930 .201245 $\begin{array}{llllllll}0.111047 & 0.161817 & 0.220135 & 0.21825\end{array}$ $\begin{array}{lllll}0.12417 & 0.164147 & 0.257716 & 0.218912\end{array}$ 0.1124540 .1667030 .1542370 .148607 $\begin{array}{lllll}0.058536 & 0.187571 & 0.222936 & 0.19719\end{array}$ $\begin{array}{llllllll}0.086013 & 0.271094 & 0.236878 & 0.274778\end{array}$ $\begin{array}{llllll}0.056385 & 0.254307 & 0.13546 & 0.168543\end{array}$ 0.0752890 .1891170 .2116070 .19271 $\begin{array}{llll}0.105883 & 0.291218 & 0.24309 & 0.158615\end{array}$ $\begin{array}{llll}0.097692 & 0.24487 & 0.167874 & 0.182892 \\ 0.06731 & 0.304113 & 0.203905 & 0.268931\end{array}$ $0521880.4411190 .3885422 \quad 0.269292$ $\begin{array}{llllllll}0.077319 & 0.328668 & 0.378924 & 0.347792\end{array}$ $\begin{array}{llllll}0.056431 & 0.407994 & 0.539045 & 0.437142\end{array}$ $\begin{array}{llll}0.02636 & 0.3536 & 0.505658 & 0.93063\end{array}$ $\begin{array}{llll}0.005457 & 0.372003 & 0.578919 & 0.76795\end{array}$ 0.0194290 .4023230 .4302464 $\begin{array}{llllll}0.003297 & 0.299174 & 0.55552 & 0.674614\end{array}$ $0.029308 \quad 0.3967440 .6918180 .893916$ $\begin{array}{llllll}0.017096 & 0.427569 & 0.67753 & 0.693195\end{array}$ $\begin{array}{llll}0.019503 & 0.486074 & 0.970178 & 1.27118\end{array}$ $\begin{array}{lllll}0.014674 & 0.348719 & 0.47145 & 0.724226\end{array}$ $\begin{array}{lllll}0.006333 & 0.51824 & 0.715667 & 1.024301 \\ 0.014578 & 0.359292 & 0.699727 & 0.544756\end{array}$ $\begin{array}{lllll}0.006531 & 0.443719 & 0.571052 & 0.857476\end{array}$ 0.0057240 .3741310 .6330780 .67761 0.0351810 .5880780 .7778390 .739193 $\begin{array}{llll}0.02616 & 0.556729 & 0.789383 & 0.73483\end{array}$ $\begin{array}{llll}0.021539 & 0.593052 & 1.075011 & 0.809744\end{array}$ $\begin{array}{llll}0.0265517 & 0.516302 & 0.9494793 & 1.176971\end{array}$ $\begin{array}{lllll}0.034572 & 0.49419 & 0.606251 & 0.75890\end{array}$ $\begin{array}{lllllll}0.040789 & 0.369939 & 1.040811 & 1.00039\end{array}$ $0.047595 \quad 0.360140 .7684560 .71855$


$\begin{array}{lllllllllll}1000 & 1220.446 & 0.00698 & 0.034327 & 0.054963 & 0.019081 & 4.334537 & 3.846844 & 0.00331\end{array}$ $\begin{array}{llllllll}1000 & 999.5549 & 0.007589 & 0.042458 & 0.0023962 & 0.035957 & 4.786966 & 3.2855399\end{array} 0.0005146$ $\begin{array}{llllllllll}1000 & 1035.474 & 0.003743 & 0.022986 & 0.027091 & 0.039071 & 3.470924 & 3.174987 & 0.004754\end{array}$ $\begin{array}{lllllllll}1000 & 1082.937 & -0.00026 & 0.057123 & 0.0453 & 0.047247 & 4.020881 & 3.608802 & 0.003372\end{array}$ $\begin{array}{llllllll}1000 & 1144.155 & 0.007482 & 0.063992 & 0.008269 & 0.060355 & 4.225107 & 3.492235 \\ 0 & 0.004475\end{array}$ | 11300 | 1139.155 | 0.009099 | 0.049934 | 0.088858 | 0.046132 | 3.450027 | 3.44817 | 0.004463 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 852.0263 & 0.003104 & 0.053415 & 0.041034 & 0.037072 & 3.656432 & 3.440865 & 0.00465 \\ 1000 & 1146.84 & 0.005581 & 0.038151 & 0.06692 & 0.05016 & 3.820395 & 3.700573 & 0.003198\end{array}$ $\begin{array}{llllllllll}1000 & 1106.809 & 0.005485 & 0.052731 & 0.058283 & 0.053122 & 3.658648 & 3.786296 & 0.005343\end{array}$

 $\begin{array}{lllllllll}1000 & 1081.977 & 0.002531 & 0.060433 & 0.04598 & 0.034011 & 3.569432 & 3.572882 & 0.002361\end{array}$ $\begin{array}{lllllllll}1000 & 1003.966 & 0.003206 & 0.036892 & 0.024568 & 0.026474 & 3.615548 & 3.146699 & 0.002108\end{array}$ $\begin{array}{llllllll}1000 & 729.5367 & 0.005043 & 0.044214 & 0.015904 & 0.010162 & 3.23462 & 2.975937 \\ 1000 & 1321.364 & 0.002266 & 0.055075 & 0.057719 & 0.056516 & 4.194112 & 3.573032\end{array}$

 $\begin{array}{lllllllll}1000 & 1007.368 & 0.00774 & 0.099182 & 0.094908 & 0.109885 & 3.48925 & 2.934803 & 0.003876\end{array}$ $\begin{array}{lllllllll}1000 & 895.7597 & 0.004191 & 0.115903 & 0.062082 & 0.093405 & 3.270302 & 3.592384 & 0.0015\end{array}$ $\begin{array}{lllllllll}1000 & 1058.871 & 0.001402 & 0.088482 & 0.091498 & 0.092073 & 3.902058 & 3.372367 & 0.001578\end{array}$ $\begin{array}{lllllllll}1000 & 1152.83 & 0.00296 & 0.078384 & 0.078777 & 0.0812 & 3.989353 & 4.248066 & 0.003983\end{array}$ $\begin{array}{llllllll}1000 & 1104.584 & 0.001505 & 0.057743 & 0.098876 & 0.078475 & 3.53328 & 3.505521 \\ 1000 & 1173.389 & -0.00061 & 0.091003 & 0.02593 & 0.058103 & 4.122657 & 4.1208 \\ 0.003658\end{array}$ $\begin{array}{llllllllll}1000 & 811.0754 & 0.002175 & 0.027959 & 0.01611 & 0.043212 & 3.302093 & 3.043779 & 0.004074\end{array}$ $\begin{array}{llllllllll}1000 & 1371.6 & 0.000218 & 0.036394 & 0.042701 & 0.050498 & 3.986251 & 3.500988 & 0.003604\end{array}$ $\begin{array}{lllllllll}1000 & 817.157 & 0.005185 & 0.030834 & 0.043506 & 0.025384 & 3.630286 & 3.064173 & 0.005166\end{array}$ $\begin{array}{lllllllll}1000 & 1015.909 & 0.003465 & 0.038439 & 0.051951 & 0.02038 & 4.313497 & 3.262419 & 0.006396\end{array}$ $\begin{array}{lllllllll}1000 & 1256.259 & -0.00285 & 0.043612 & 0.047682 & 0.044409 & 4.161197 & 3.915903 & 0.00355\end{array}$ $\begin{array}{lllllllll}1000 & 773.7746 & 0.003118 & 0.028854 & 0.034798 & 0.037849 & 3.059291 & 2.988527 & 0.00217 \\ 1000 & 786.3552 & 0.001883 & 0.033109 & 0.01131 & 0.062116 & 3.649985 & 3.177241 & 0.004019\end{array}$ $\begin{array}{llllllllllll}1000 & 1003.126 & 0.002597 & 0.037406 & 0.012195 & 0.033122 & 3.537682 & 3.73724 & 0.003927\end{array}$ $\begin{array}{lllllllll}1000 & 1234.461 & 0.009674 & 0.041494 & 0.079206 & 0.054723 & 4.072894 & 3.315113 & 0.00758\end{array}$ $\begin{array}{lllllllll}1000 & 1128.423 & 0.0037 & 0.026949 & 0.041473 & 0.038626 & 3.64391 & 3.715912 & 0.0047\end{array}$ $\begin{array}{lllllllll}1000 & 1005.795 & 0.00234 & 0.045291 & 0.02123 & 0.038147 & 4.303911 & 4.051812 & 0.00688\end{array}$ $\begin{array}{lllllllll}1000 & 1408.036 & 0.000199 & 0.024168 & 0.007652 & 0.009082 & 3.770047 & 3.570286 & 0.006284\end{array}$ $\begin{array}{llllllll}1000 & 1046.039 & 0.003317 & 0.029384 & 0.033492 & 0.024933 & 3.55618 & 2.942326 \\ 0.004116 \\ 1000 & 1099.913 & 0.001519 & 0.031238 & 0.05375 & 0.038067 & 3.938283 & 3.731735 \\ 0.004513\end{array}$ $\begin{array}{lllllllll}1000 & 1079.689 & 0.001526 & 0.022523 & 0.031183 & 0.016679 & 4.500058 & 4.039032 & 0.004064\end{array}$ $\begin{array}{llllllllll}1000 & 881.9958 & 0.001858 & 0.018402 & 0.009792 & 0.031281 & 2.887838 & 2.470275 & 0.004459\end{array}$ $\begin{array}{lllllllll}1000 & 1112.995 & 0.004352 & 0.019048 & 0.008153 & 0.02279 & 4.154172 & 3.868751 & 0.000758\end{array}$ $\begin{array}{lllllllll}1000 & 10233.275 & 0.006037 & 0.016665 & 0.031408 & 0.022234 & 4.147891 & 3.540922 & 0.001462\end{array}$ $\begin{array}{lllllllll}1000 & 10355.714 & 0.006546 & 0.021705 & 0.007735 & 0.019134 & 4.126143 & 3.738787 & 0.000286\end{array}$ $\begin{array}{lllllllll}1000 & 723.903 & 0.01415 & 0.019733 & 0.025125 & 0.022124 & 3.354877 & 3.066228 & 0.002518 \\ 1000 & 11755.701 & 0.009289 & 0.021332 & 0.00829 & 0.020523 & 4.119925 & 3.856129 & 0.000306\end{array}$ $\begin{array}{llllllllll}1000 & 846.8782 & 0.011079 & 0.022899 & 0.017781 & 0.02226 & 3.324824 & 3.525492 & 0.001544\end{array}$ $\begin{array}{llllllllll}1000 & 1247.725 & 0.013746 & 0.022047 & 0.033446 & 0.032341 & 4.347501 & 4.238619 & 0.004359\end{array}$ $\begin{array}{lllllllll}1000 & 1123.238 & 0.008444 & 0.018124 & 0.034005 & 0.032882 & 4.505155 & 3.961605 & 0.001873\end{array}$ $\begin{array}{llllllll}1000 & 861.9379 & 0.008467 & 0.015174 & 0.013662 & 0.003112 & 4.126686 & 4.476692\end{array} 0.002577$ $\begin{array}{lllllllll}1000 & 930.8821 & 0.007506 & 0.019237 & 0.044074 & 0.011685 & 4.794197 & 4.136299 & 0.00032\end{array}$ $\begin{array}{lllllllll}1000 & 930.695 & 0.000687 & 0.018246 & 0.026416 & 0.018695 & 3.950090 & 3.336557 & 0.001057 \\ 1000 & 743.2317 & 0.005819 & 0.008793 & -0.00227 & 0.016584 & 3.307603 & 3.410932 & 0.000585\end{array}$ $\begin{array}{llllllllllllll}1000 & 964.6691 & 0.009171 & 0.018504 & 0.014799 & 0.007619 & 4.855753 & 4.200806 & 0.001805\end{array}$ $\begin{array}{llllllll}1000 & 1295.566 & 0.013143 & 0.020028 & -0.00269 & 0.026813 & 3.782343 & 3.564988 \\ 0 & 0.002362\end{array}$ $\begin{array}{lllllllll}1000 & 10155.115 & 0.00875 & 0.021218 & 0.021444 & 0.023926 & 4.417976 & 4.304632 & 0.00288\end{array}$ | 1000 | 747.9273 | 0.0115122 | 0.012835 | 0.0123332 | 0.022871 | 3.89079 | 3.649331 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.000682 |  |  |  |  |  |  |  | $\begin{array}{llllllll}1000 & 1187.381 & 0.010379 & 0.018718 & 0.028698 & 0.024854 & 5.132538 & 4.148646 \\ 0.002463 \\ 1000 & 824.7337 & 0.014428 & 0.011895 & 0.002328 & 0.008653 & 3.890288 & 3.221446 \\ 0.001903\end{array}$ $\begin{array}{lllllllll}1000 & 880.8233 & 0.011423 & 0.014887 & 0.002547 & 0.017163 & 4.503243 & 4.00214 & 0.001188\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 888.4094 & 0.013835 & 0.017974 & 0.021264 & 0.015043 & 4.044277 & 3.715061 & 0.004566\end{array}$ $\begin{array}{lllllllll}1000 & 1328.271 & 0.012389 & 0.020402 & 0.016317 & 0.025577 & 6.578017 & 4.504113 & -0.00019\end{array}$ $\begin{array}{llllllll}1000 & 894.0301 & 0.011955 & 0.013164 & 0.01777 & 0.031931 & 4.196252 & 3.533415\end{array} 0.001543$ $\begin{array}{lllllllll}1000 & 968.5764 & 0.013573 & 0.022999 & 0.013221 & 0.016929 & 4.124186 & 4.386873 & 0.0029355\end{array}$ $\begin{array}{lllllllll}1000 & 1306.828 & 0.007047 & 0.018345 & 0.026555 & 0.027211 & 5.071245 & 4.933452 & 0.002279 \\ 1000 & 826.7196 & 0.009388 & 0.02797 & 0.018812 & 0.027395 & 4.420571 & 4.474142 & 0.003865\end{array}$ $\begin{array}{llllllll}1000 & 836.9564 & 0.003673 & 0.02955 & 0.017529 & 0.025528 & 4.46134 & 4.269491\end{array} 0.007345$ $\begin{array}{llllllllllll}1000 & 1309.199 & 0.003135 & 0.029721 & 0.020681 & 0.038571 & 5.090119 & 4.467755 & 0.010138\end{array}$ $\begin{array}{lllllllllll}1000 & 1188.961 & 0.004489 & 0.026604 & 0.012736 & 0.030933 & 5.125387 & 4.63121 & 0.019385\end{array}$



$\begin{array}{rr}104.8986 & 2.12114 \\ 105.2329 & 2.137855\end{array}$ $\begin{array}{ll}105.5667 & 2.154545 \\ 105.9005 & 2.171235\end{array}$ | 105.9005 |  |
| :--- | :--- | :--- |
| 106.2359 | 2.18178005 | $\begin{array}{ll}106.5697 \\ 1069035 & 2.204695 \\ 2.221385\end{array}$ 106.90352 .221385 107.57172 .254795 $\begin{array}{ll}108.2399 & 2.288205 \\ 108.5737 & 2.304895\end{array}$ 108.90752 .321585 $109.5757 \quad 2.354995$ $109.9095 \quad 2.371685$ $\begin{array}{rrr}110.24387 & 2.43809 \\ 110.5777 & 2.35095\end{array}$ $\begin{array}{rr}110.912 & 2.42181 \\ 111.2458 & 2.4385\end{array}$ $\begin{array}{ll}111.24597 & 2.455195 \\ 112.578\end{array}$ | 111.914 | 2.47191 |
| :--- | :--- | $112.5816 \quad 2.50529$ $\begin{array}{lr}112.916 & 2.52201 \\ 113.2498 & 25387\end{array}$ $\begin{array}{rr}113.2498 & 2.5387 \\ 113.5836 & 2.55539\end{array}$ | 113.918 | 2.57211 |
| :--- | :--- |
| 112.528 | 2.5885 | $\begin{array}{ll}114.2528 & 2.58885 \\ 114.5866 & 2.60554\end{array}$ $\begin{array}{rr}114.921 & 2.62226 \\ 115.2548 & 2.63895\end{array}$ $\begin{array}{rr}115.2548 \\ 115.5886 & 2.655564 \\ 1159229 & 2.672355\end{array}$ | 116.2568 | 2.68905 |
| :--- | :--- | :--- | $\begin{array}{lll}116.5906 & 2.70574\end{array}$ | 116.9249 | 2.722455 |
| :--- | :--- |
| 1172588 |  | | 117.2588 |  |
| :--- | :--- |
| 11.5926 | 2.75584 | $\begin{array}{ll}117.9269 & 2.772555 \\ 118.2607 & 2.789245\end{array}$ 118.5946 2.80594 8.92892 .822655 $\begin{array}{ll}119.2627 & 2.839345 \\ 119.5965 & 2.856035\end{array}$ $\begin{array}{ll}119.9309 & 2.872755 \\ 1202647 & 2889445\end{array}$ $\begin{array}{lll}120.2647 & 2.889445 \\ 120.5985 & 2.906135\end{array}$ 120.93292 .922855 $121.2667 \quad 2.939545$ $\begin{array}{lr}121.6005 & 2.956235 \\ 121.9348 & 2.97295\end{array}$ 122.26972 .989695 122.03793 .023105 | 122.9379 |  |
| :--- | :--- | :--- |
| 123.0717 | 3.0393795 | 123.60553 .056485 $\begin{array}{rr}123.9398 & 3.0732 \\ 124.2737 & 3.089895\end{array}$ $\begin{array}{rr}124.608 & 3.10661 \\ 124.9418 & 3.1233\end{array}$ $\begin{array}{lr}124.9418 & 3.1233 \\ 125.2757 & 3.139995\end{array}$ $\begin{array}{ll}125.9438 & 3.1734\end{array}$ $126.612 \quad 3.20681$


$\begin{array}{lllll}0.04938 & 0.479972 & 0.648249 & 0.8919\end{array}$ $\begin{array}{llll}0.064844 & 0.361777 & 0.56896 & 0.50056\end{array}$ $\begin{array}{lllll}0.0319085 & 0.300813 & 0.4844155 & 0.454582\end{array}$ $\begin{array}{lllll}0.056369 & 0.400813 & 0.544155 & 0.554582 \\ 0.05653 & 0.607504 & 0.655292\end{array}$ $\begin{array}{llll}0.031183 & 0.325582 & 0.469717 & 0.48776\end{array}$ $\begin{array}{llll}0.061983 & 0.314273 & 0.51244 & 0.561674\end{array}$ $\begin{array}{llll}0.019561 & 0.34796 & 0.48824 & 0.447694 \\ 0.040495 & 0.290533 & 0.392007 & 0.464584\end{array}$ $\begin{array}{llllll}0.03465 & 0.324327 & 0.322956 & 0.504044\end{array}$ $\begin{array}{llllllllllllllllll}0.046824 & 0.306504 & 0.322147 & 0.3904\end{array}$ $\begin{array}{lllll}0.071262 & 0.23997 & 0.373412 & 0.403636\end{array}$ $\begin{array}{llll}0.058846 & 0.263573 & 0.51862 & 0.55157\end{array}$ $\begin{array}{llll}0.038478 & 0.218519 & 0.35213 & 0.32735 \\ 0.032023 & 0.19587 & 0.311449 & 0.322438\end{array}$ 0.047698 O.232383 0.4027310 .441712 $\begin{array}{lllll}0.02784 & 0.1723 & 0.302538 & 0.390668\end{array}$ $\begin{array}{lllllllllll}0.065729 & 0.187594 & 0.419851 & 0.570513\end{array}$ $\begin{array}{llllll}0.055093 & 0.242759 & 0.418158 & 0.402935\end{array}$ $\begin{array}{lllll}0.072875 & 0.157826 & 0.481923 & 0.45328\end{array}$ $\begin{array}{lllll}0.101325 & 0.128305 & 0.320291 & 0.31358 \\ 0.082597 & 0.188274 & 0.388257 & 0.341678\end{array}$ 0.0962220 .1183470 .2810670 .306236 $\begin{array}{llllllllll}0.140626 & 0.296727 & 0.457756 & 0.54253\end{array}$ 0.1124610 .1599380 .3179670 .26958 $\begin{array}{lllll}0.086391 & 0.23028 & 0.336019 & 0.505629\end{array}$ $\begin{array}{lllll}0.074394 & 0.138979 & 0.475939 & 0.35070\end{array}$ $\begin{array}{lllll}0.092654 & 0.213401 & 0.447967 & 0.564842 \\ 0.064995 & 0.148347 & 0.3814 & 0.349866\end{array}$ $\begin{array}{llll}0.061745 & 0.20602 & 0.354088 & 0.444833\end{array}$ $0.0760910 .1751690 .398718 \quad 0.460428$ $\begin{array}{llllll}0.067679 & 0.168848 & 0.295986 & 0.50560\end{array}$ $\begin{array}{llllll}0.09047 & 0.128255 & 0.47686 & 0.499961\end{array}$ $\begin{array}{llll}0.057964 & 0.152239 & 0.447017 & 0.466838\end{array}$ $\begin{array}{lllll}0.051069 & 0.146681 & 0.40762 & 0.510531 \\ 0.051351 & 0.144821 & 0.366607 & 0.3930\end{array}$ $\begin{array}{llllll}0.034019 & 0.190049 & 0.359121 & 0.435189\end{array}$ $\begin{array}{llllll}0.060582 & 0.214091 & 0.443108 & 0.515149\end{array}$ $\begin{array}{llllllll}0.049667 & 0.194348 & 0.362317 & 0.440912\end{array}$ $\begin{array}{llll}0.041402 & 0.210476 & 0.44852 & 0.38958\end{array}$ $\begin{array}{lllll}0.024134 & 0.138029 & 0.257861 & 0.366251\end{array}$ $\begin{array}{lllll}0.028372 & 0.254827 & 0.419063 & 0.62198 \\ 0.030283 & 0.23439 & 0.391661 & 0.475556\end{array}$ $\begin{array}{lllllll}0.026563 & 0.146754 & 0.37457 & 0.397958\end{array}$ $\begin{array}{llllllll}0.041941 & 0.215541 & 0.462761 & 0.354821\end{array}$ $\begin{array}{lllll}0.033117 & 0.181993 & 0.263891 & 0.331515\end{array}$ $\begin{array}{llll}0.038829 & 0.213383 & 0.421038 & 0.534718\end{array}$ 045081.22584 $039697 \quad 0.1478570 .265638 \quad 0.390157$ $0.049546 \quad 0.1721150 .3674920 .340036$ $\begin{array}{llllll}0.059886 & 0.153582 & 0.302942 & 0.46468\end{array}$ $\begin{array}{lllll}0.024849 & 0.095978 & 0.328564 & 0.283199\end{array}$ $\begin{array}{llll}0.029683 & 0.309468 & 0.390069 & 0.457578\end{array}$ $\begin{array}{lllll}0.038141 & 0.196789 & 0.419193 & 0.53662\end{array}$ $\begin{array}{lllll}0.041667 & 0.332579 & 0.473321 & 0.517817\end{array}$ $\begin{array}{llllll}0.032456 & 0.163097 & 0.311243 & 0.329252\end{array}$ 0.041660 .1421490 .4640130 .56250 $\begin{array}{lllll}0.044175 & 0.148823 & 0.401282 & 0.42148\end{array}$ $\begin{array}{llll}0.051132 & 0.193905 & 0.467863 & 0.58351\end{array}$ 0.0459260 .1436270 .4476210 .54351 $\begin{array}{llllllll}0.076708 & 0.192111 & 0.435183 & 0.536646\end{array}$ $\begin{array}{llllll}0.0504 & 0.152555 & 0.432068 & 0.42509\end{array}$ $\begin{array}{lllllll}0.072764 & 0.19904 & 0.492311 & 0.71899\end{array}$
$\begin{array}{llllllllllll}1500 & 1577.024 & 0.009975 & 0.032324 & 0.021037 & 0.034934 & 5.887975 & 5.146398 & 0.039267\end{array}$ $\begin{array}{llllllll}1000 & 1084.749 & 0.008688 & 0.018348 & 0.0897703 & 0.025686 & 5.032134 & 3.939561 \\ 1000 & 0.033051 \\ 1000 & 1033.597 & 0.00358 & 0.023442 & 0.01161 & 0.010422 & 4.65499 & 406773\end{array}$ $\begin{array}{llllllllllllll}1000 & 1339.974 & 0.002919 & 0.025077 & 0.015809 & 0.020868 & 3.950798 & 4.066222 & 0.017127\end{array}$ $\begin{array}{llllllllll} & 000 & 1263.981 & 0.006907 & 0.025636 & 0.008769 & 0.034384 & 5.62864 & 5.580765 & 0.020467\end{array}$ $\begin{array}{llllllll}1000 & 800.8716 & 0.004384 & 0.038145 & 0.022509 & 0.019494 & 5.066877 & 3.771714\end{array} 0.006907$ $\begin{array}{lllllllll}1000 & 1310.857 & 0.006063 & 0.034257 & 0.028655 & 0.030184 & 4.496224 & 4.905262 & 0.007185\end{array}$ $\begin{array}{llllllll}1000 & 1180.518 & 0.005715 & 0.02792 & 0.054929 & 0.021083 & 4.886751 & 4.703354\end{array} 0.005567$ $\begin{array}{llllllllll}1000 & 964.3748 & 0.005017 & 0.037219 & 0.018758 & 0.034983 & 5.230433 & 4.744927 & 0.002519\end{array}$ $\begin{array}{llllllllllll}1000 & 1080.949 & 0.002666 & 0.026234 & 0.063046 & 0.042607 & 3.569543 & 3.176388 & 0.00203\end{array}$ $1000874.54820 .0034190 .0293740 .039868 \quad 0.011831 \quad 5.041274 .1058160 .002487$ $\begin{array}{llllllll}1000 & 1728.936 & 0.006099 & 0.050498 & 0.034877 & 0.053315 & 4.981303 & 5.808323 \\ 0.004545\end{array}$ $\begin{array}{lllllllll}1000 & 833.2691 & 0.004819 & 0.027184 & 0.023354 & 0.024601 & 3.151685 & 3.096834 & 0.001286 \\ 1000 & 786.2409 & 0.007162 & 0.039485 & 0.011557 & 0.052412 & 4.014056 & 3.730599 & 0.001795\end{array}$

 $\begin{array}{llllllll}1000 & 968.4078 & 0.005041 & 0.036621 & 0.060291 & 0.044995 & 3.35563 & 3.75897 \\ 0.0003048\end{array}$ $\begin{array}{lllllllll}1000 & 1178.375 & 0.007998 & 0.052637 & 0.060379 & 0.048218 & 4.982386 & 4.406626 & 0.001262\end{array}$ $\begin{array}{lllllllll}1000 & 1228.171 & 0.009166 & 0.04657 & 0.078127 & 0.050871 & 4.13432 & 3.978508 & 0.003381\end{array}$ $\begin{array}{lllllllll}1000 & 851.9829 & 0.003234 & 0.066245 & 0.067006 & 0.050755 & 3.626251 & 3.816226 & 0.003682\end{array}$ $\begin{array}{lllllllll}1000 & 955.1283 & 0.005565 & 0.046877 & 0.030357 & 0.04145 & 3.794708 & 3.816267 & 0.004117 \\ 1000 & 892.999 & 0.007722 & 0.030958 & 0.043681 & 0.030936 & 3.572248 & 3.541906 & 0.002149\end{array}$ $\begin{array}{lllllllll}1000 & 1027.825 & 0.0046 & 0.043312 & 0.019718 & 0.020205 & 4.0385 & 3.521699 & 0.002782\end{array}$ $\begin{array}{llllllllllll}1000 & 1179.87 & 0.003622 & 0.065247 & 0.038286 & 0.057871 & 5.952014 & 4.739479 & 0.007141\end{array}$ $\begin{array}{llllllllll}1000 & 828.751 & 0.005841 & 0.043704 & 0.036424 & 0.028842 & 3.766761 & 3.669946 & 0.004836\end{array}$ \begin{tabular}{lllllllll}
1000 \& 1007.373 \& 0.00292 \& 0.06639 \& 0.037396 \& 0.030028 \& 4.232523 \& 3.660528 \& 0.003569 <br>
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 $\begin{array}{llllllll}1000 & 926.6807 & 0.002574 & 0.036208 & 0.069265 & 0.055049 & 3.648638 & 3.768591\end{array} 0.00369$ $\begin{array}{llllllll}1000 & 927.0609 & 0.009537 & 0.040768 & 0.041142 & 0.03694 & 4.413266 & 4.473364 \\ 0.008914 \\ 1000 & 825.6224 & 0.006369 & 0.039588 & 0.0262 & 0.02873 & 4.50861 & 3.857207 \\ 0 & 0.003415\end{array}$ $\begin{array}{lllllllllllll}1000 & 909.0634 & 0.005055 & 0.040881 & 0.064811 & 0.035332 & 4.521941 & 4.175296 & 0.003562\end{array}$ $\begin{array}{lllllllll}1000 & 848.8688 & 0.013852 & 0.052903 & 0.029646 & 0.062148 & 4.341693 & 3.893221 & 0.005153\end{array}$ $\begin{array}{llllllll}1000 & 858.2439 & 0.011643 & 0.042962 & 0.045025 & 0.071537 & 4.199904 & 3.490663 \\ 0\end{array}$ $\begin{array}{lllllllll}1000 & 1148.043 & 0.020615 & 0.066378 & 0.012039 & 0.048826 & 4.078505 & 4.121857 & 0.004278\end{array}$ $\begin{array}{llllllll}1000 & 957.3696 & 0.016593 & 0.035306 & 0.057543 & 0.044804 & 3.675934 & 3.249643 \\ 0\end{array} 0.005859$ $\begin{array}{lllllllll}1000 & 943.9742 & 0.021391 & 0.055595 & 0.042431 & 0.067123 & 4.041102 & 3.266135 & 0.001719 \\ 1000 & 1357.859 & 0.019891 & 0.046545 & 0.033628 & 0.033633 & 4.694197 & 4.098308 & 0.005845\end{array}$ $\begin{array}{llllllllll}1000 & 1086.763 & 0.015743 & 0.047093 & 0.032164 & 0.028644 & 3.618912 & 3.468624 & 0.001088\end{array}$ $\begin{array}{llllllll}1000 & 983.9013 & 0.022573 & 0.041853 & 0.024697 & 0.051424 & 4.312782 & 4.035762 \\ 0.0034884\end{array}$ $\begin{array}{llllllllllll}1000 & 1273.967 & 0.014679 & 0.033865 & 0.066413 & 0.059359 & 5.209108 & 4.098467 & 0.002221\end{array}$ 

1000 \& 1139.513 \& 0.013241 \& 0.034152 \& 0.028567 \& 0.04984 \& 5.139729 \& 4.007246 \& 0.007163 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 935.0008 & 0.008369 & 0.028075 & 0.042924 & 0.036827 & 3.872834 & 3.393716 & 0.003977 \\ 1000 & 1103.822 & 0.010545 & 0.031929 & 0.031731 & 0.038909 & 4.368439 & 4.285466 & 0.001748\end{array}$ $\begin{array}{llllllll}1000 & 1103.822 & 0.010545 & 0.031929 & 0.031731 & 0.038909 & 4.368439 & 4.285466 \\ 0.001748 \\ 1000 & 1013.79 & 0.009933 & 0.053653 & 0.029891 & 0.045694 & 4.302357 & 3.857565 \\ 0 & 0.003896\end{array}$ $\begin{array}{llllllll}1000 & 1027.979 & 0.008495 & 0.031762 & 0.017309 & 0.03346 & 4.543605 & 4.244527\end{array} 0.00561$ $\begin{array}{lllllllll}1000 & 1063.51 & 0.008029 & 0.033675 & 0.012717 & 0.041842 & 4.321755 & 4.283081 & 0.003671\end{array}$ $\begin{array}{lllllllll}1000 & 876.8114 & 0.006697 & 0.039204 & 0.049266 & 0.045048 & 3.973599 & 3.596716 & 0.002708\end{array}$ $\begin{array}{lllllllll}1000 & 1171.751 & 0.006551 & 0.040752 & 0.047691 & 0.038537 & 4.431177 & 4.430506 & 0.00359\end{array}$ $\begin{array}{lllllllll}1000 & 1194.669 & 0.010255 & 0.039814 & 0.00829 & 0.05384 & 4.911556 & 4.875809 & 0.006344 \\ & 000 & 937.3256 & 0.008663 & 0.031989 & 0.035603 & 0.049989 & 4.086519 & 3871721\end{array} 00.030305$ $\begin{array}{llllllllllllllllll}1000 & 8777.626 & 0.0118 & 0.032605 & 0.059337 & 0.059744 & 3.907285 & 3.986356 & 0.003865\end{array}$

 $\begin{array}{llllllll}1000 & 1145.328 & 0.006517 & 0.028889 & 0.050232 & 0.059401 & 4.511734 & 3.802123 \\ 0.00579\end{array}$ $\begin{array}{lllllllll}1000 & 703.8401 & 0.006156 & 0.034051 & 0.036717 & 0.068163 & 3.35316 & 3.233713 & 0.001487\end{array}$
 $\begin{array}{lllllllll}1000 & 1252.843 & 0.007985 & 0.036949 & 0.026087 & 0.048896 & 4.168571 & 3.768743 & 0.003007 \\ 1000 & 892.9183 & 0.006861 & 0.041737 & 0.051792 & 0.050713 & 4.715324 & 4.091116 & 0.00149\end{array}$ $\begin{array}{lllllllllll}1000 & 1052.203 & 0.003774 & 0.056785 & 0.067389 & 0.061799 & 4.80368 & 4.534941 & 0.004297\end{array}$

 $\begin{array}{lllllllll}1000 & 1051.325 & 0.011061 & 0.040926 & 0.072782 & 0.07839 & 4.954662 & 4.441239 & 0.002962\end{array}$ | 1000 | 998.4359 | 0.005665 | 0.05056 | 0.043619 | 0.035757 | 4.94827 | 4.708641 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.0003247 $\begin{array}{llllllll}1000 & 1098.272 & 0.012887 & 0.052351 & 0.062411 & 0.059701 & 6.136098 & 5.261473 \\ 1000 & 12034.005 & 0.009424 \\ 10.049492 & 0.018576 & 0.04097 & 5.526178 & 4.703084 & 0.004257\end{array}$ $\begin{array}{lllllllll}1000 & 1203.005 & 0.009424 & 0.049792 & 0.018576 & 0.04097 & 5.526178 & 4.703084 & 0.004257 \\ 1000 & 1306.146 & 0.009997 & 0.058785 & 0.02383 & 0.024419 & 5.199693 & 5.142033 & 0.005117\end{array}$ $\begin{array}{llllllllll}1000 & 1255.628 & 0.007217 & 0.054917 & 0.06626 & 0.059508 & 5.575709 & 4.637614 & 0.004225\end{array}$ $\begin{array}{lllllllll}1000 & 1028.156 & 0.014177 & 0.047661 & 0.058482 & 0.072472 & 4.565531 & 3.805021 & 0.00566\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 1259.403 & 0.005806 & 0.047266 & 0.060542 & 0.050369 & 4.714734 & 4.742371 & 0.009846\end{array}$

| 126.9458 | 3.2235 | 60 | 76.01 | 230.17 | 228.16 | 74 | 131362.6 | 151.02 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 127.2796 | 3.24019 | 95.01 | 60 | 212.14 | 263.22 | . 85 | 2.3 | . 04 |  |
| 127.614 | 3.25691 | 73.01 | 7.01 | 211.14 | 246.19 | 8703.02 | 116707.1 | 214.05 |  |
| 127.9478 | 3.2736 | 95.01 | 86.01 | 179.1 | 226.16 | 8279.91 | 136662.6 | 195.04 |  |
| 128.2816 | 3.29029 | 6.02 | 62 | 239.18 | 288.26 | 8383.21 | 392 | 249.07 |  |
| 128.6159 | 3.307005 | 106.0 | 2.01 | 249.2 | 257.21 | 8106.13 | 160987 | 170.03 |  |
| 128.9498 | 3.3237 | 13.01 | 1.01 | 78.1 | 02.29 | 7810.63 | 17530 | 200.04 |  |
| 129.2836 | 3.34039 | 100.01 | 77.01 | 291.27 | 348.38 | 7763.35 | 123532.1 | 201.04 |  |
| 129.6179 | 3.357105 | 135.02 | 86.01 | 305.29 | 11.5 | 65.47 | 140087 | 226.06 |  |
| 129.9517 | 3.373795 | 111.01 | 123.02 | 298.28 | 65.42 | 7616.37 | 143885 | 232.06 |  |
| 130.2866 | 3.39054 | 85.01 | 89.01 | 05.52 | 351.39 | 8781.22 | 118661.7 | 220.05 |  |
| 130.6209 | 3.407255 | 90.01 | 93.01 | 233.17 | 445.63 | 8307.31 | 128444.4 | 246.07 |  |
| 130.9548 | , 239 | 114.01 | 65 | 267.23 | 360.41 | 03.19 | 122211.3 | 286.09 |  |
| 131.2886 | 3.4406 | 85.01 | 87.01 | 46.3 | 412.54 | 6342.27 | 118655 | 231.06 |  |
| 131.6229 | 3.457355 | 100.01 | 80.01 | 325.33 | 356.4 | 1.4 | 114653.3 | 237.06 |  |
| 131.9567 | 3.474045 | 8.01 | 90.01 | 336.36 | 388.48 | 8921.87 | 143464.8 | 215.05 |  |
| 132.2906 | 3.49074 | 78.01 | 89.01 | 22.33 | 34.6 | 8384.26 | 136390 | 198.04 |  |
| 132.6249 | 3.507455 | 108.01 | 118. | 282. | 489.76 | 7636. | 164201 | 185.04 |  |
| 132.9587 | 3.524145 | 100.01 | 80.01 | 466.6 | 388.48 | 6799.94 | 140486 | 169.03 |  |
| 133.2925 | 3.540835 | 84.01 | 96.01 | 7.63 | 52.65 | 211.4 | 138575.5 | 197.04 |  |
| 133.6269 | 3.557555 | 5.01 | 98.01 | 323.33 | 402.51 | 10030.2 | 139950.9 | 213.05 |  |
| 133.9607 | 3.57424 | 64 | 93.01 | 426.57 | 408.5 | 64.1 | 15805 | 193 |  |
| 134.2945 | 3.590935 | 104.01 | . 01 | 66.69 | 480.73 | 11884.81 | 175504 | 190.04 |  |
| 134.6289 | 3.607655 | 113.01 | 123.02 | 446.63 | 84.08 | 9633.33 | 13665 | 178.03 |  |
| 134.9627 | 3.624345 | 87.01 | 110. | 426. | 412.54 | 8484. | 128934.6 | 231.06 |  |
| 135.2965 | 3.641035 | 90.01 | 143.02 | 505.81 | 478.72 | 7959.89 | 141713 | 217 |  |
| 135.6308 | 3.65775 | . 01 | 129.02 | 9.43 | 743.75 | 9160.08 | 164488.9 | 195.04 |  |
| 135.9647 | 3.674445 | 113.01 | 104.01 | 439.61 | 48.6 | 8619.57 | 14388 | 215.05 |  |
| 136.299 | 3.69116 | 117.01 | 110.0 | 33.5 | 477.72 | 9683.29 | 153572 | 243 |  |
| 136.6328 | 3.70785 | 51.02 | 114.0 | 73.4 | 440.61 | 8157.72 | 116813 | 237.06 |  |
| 136.9667 | 3.724545 | 198.04 | 05.0 | 33.7 | 459.67 | 10545.55 | 16361 | 249.07 |  |
| 137.301 | .7126 | 169.03 | 103.0 | 94.7 | 728.68 | 9913.06 | 129456 | 315.11 |  |
| 137.6348 | 3.75795 | 178.03 | 112.01 | 482.74 | 620.21 | 10732.68 | 21414 | 264.08 |  |
| 137.9697 | 3.774695 | 195.04 | 101.01 | 566.01 | 523.87 | 11590.9 | 185079 | 268.08 |  |
| 138.304 | 3.7 | 187.04 | 130.02 | 424.57 | 60.3 | 9607. | 15812 | 292.09 |  |
| 138.6378 | . 88 | 96.04 | 4.0 | 468.6 | 45.55 | 8039.83 | 155592 | 253.07 |  |
| 138.9716 | 3.82479 | 179.03 | 128.02 | 463.68 | 505.81 | 8592.12 | 184415.6 | 255.07 |  |
| 139.306 | 3.84151 | 228.05 | 138.02 | 09.53 | 474.71 | 9259.71 | 184159.2 | 279.08 |  |
| 139.6398 | 582 | 180.03 | 3.0 | 4.71 | 54.65 | 8791.79 | 119393 | 264.08 |  |
| 139.9736 | 3.87889 | 187.04 | 128.02 | 651.34 | 429.58 | 11550.03 | 186028.3 | 258.07 |  |
| 140.308 | 3.89161 | 279.08 | 121.02 | 498.79 | 965.94 | 9568.53 | 159177.8 | 199.04 |  |
| 140.6418 | 9083 | 200.0 | 114.01 | 443.62 | 383.46 | 10753.01 | 170468.8 | 223.05 |  |
| 140.9756 | 3.92499 | 265.0 | 109.01 | 391.48 | 440.61 | 9327.58 | 191842 | 230.06 |  |
| 141.31 | 3.94171 | 319.11 | 118.01 | 396.5 | 603.15 | 8784.39 | 158758.3 | 183.04 |  |
| 141.6438 | 3.9584 | 320.11 | 175.03 | 631.26 | 442.62 | 10025.94 | 143911 | 195.04 |  |
| 141.9776 | 3.97509 | 62.22 | 127.02 | 88.5 | 499.79 | 10598.99 | 145448 | 168 |  |
| 142.3119 | 3.991805 | 337.12 | 139.02 | 572.03 | 853.3 | 7929.4 | 195924.2 | 183.04 |  |
| 142.6458 | 4.0085 | 434.2 | 136.02 | 417.55 | 453.65 | 10541.28 | 151927.5 | 178.03 |  |
| 142.9796 | 4.02519 | 228.05 | 106.01 | 368.43 | 568.02 | 9147.37 | 182271.1 | 147.02 |  |
| 143.3139 | 4.041905 | 377.15 | 121.02 | 577.05 | 617.2 | 13515.82 | 149851.2 | 196.04 |  |
| 143.6478 | 4.0586 | 243.06 | 117.01 | 382.46 | 463.68 | 8904.94 | 209446.9 | 182.04 |  |
| 143.9816 | 4.07529 | 278.08 | 100.01 | 544.94 | 551.96 | 13625.79 | 142380.9 | 179.03 |  |
| 144.3159 | 4.092005 | 31.1 | 142.02 | 385.4 | 768.8 | 8976.89 | 127853.3 | 206.0 |  |
| 144.6497 | 4.108695 | 276.08 | 125.02 | 450.64 | 480.73 | 8433.83 | 163361 | 208.05 |  |
| 144.9836 | 4.12539 | 424.19 | 85.01 | 597.13 | 446.63 | 9512.24 | 162839.5 | 172.03 |  |
| 145.3179 | 4.142105 | 423.19 | 117.01 | 335.36 | 425.57 | 7655.21 | 160526.6 | 195.04 |  |
| 145.6517 | 4.158795 | 336.12 | 91.01 | 432.59 | 417.55 | 12900.92 | 161156.2 | 163.03 |  |
| 145.9866 | 4.17554 | 370.14 | 117.01 | 435.6 | 489.76 | 10573.34 | 166645 | 190.04 |  |
| 146.3209 | 4.192255 | 359.13 | 120.02 | 374.44 | 576.05 | 9549.41 | 118354.5 | 156.03 |  |
| 146.6547 | 4.208945 | 305.1 | 132.02 | 444.62 | 448.64 | 7915.73 | 16648 | 152.0 |  |
| 146.9885 | 4.225635 | 301.09 | 7.01 | 497.78 | 576.05 | 8008.27 | 167032.2 | 154.03 |  |
| 147.3229 | 4.242355 | 258.07 | 118.01 | 328.34 | 556.98 | 9192.93 | 167757.6 | 179.03 |  |
| 147.6567 | 4.259045 | 414.18 | 101.01 | 473.71 | 623.23 | 8285.18 | 162512.9 | 142.02 |  |
| 147.9905 | 4.275735 | 294.09 | 106.01 | 384.47 | 500.79 | 7136.48 | 135867.5 | 199.04 |  |
| 148.3249 | 4.292455 | 322.11 | 145.02 | 456.66 | 739.73 | 8883.78 | 136970.3 | 157.03 |  |
| . 658 | 4.30914 | 413.18 | 114.0 | 449. | 533 | 9660. | 20747 | 165. |  |

[^0]$\begin{array}{ccccc}0.04838 & 0.152686 & 0.574681 & 0.482229 \\ 0.105647 & 0.14977 & 0.68311 & 0.725347\end{array}$ $\begin{array}{llll}0.105647 & 0.14977 & 0.68311 & 0.725347 \\ 0.059342 & 0.151174 & 0.514073 & 0.510545\end{array}$ $\begin{array}{lllll}0.083965 & 0.179993 & 0.458014 & 0.489771\end{array}$ $\begin{array}{lllll}0.122681 & 0.122196 & 0.604852 & 0.627246\end{array}$ $\begin{array}{llll}0.096792 & 0.150337 & 0.651829 & 0.574481\end{array}$ | 0.107737 | 0.203232 | 0.482812 | 0.708035 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.094786 & 0.169474 & 0.795913 & 0.827365 \\ 0.120528 & 0.176048 & 0.765129 & 0.880323\end{array}$ $\begin{array}{lllll}0.108351 & 0.289977 & 0.830858 & 0.886678\end{array}$ $\begin{array}{llllll}0.069917 & 0.176346 & 0.980464 & 0.73809\end{array}$ $\begin{array}{llllll}0.078797 & 0.195752 & 0.594986 & 0.999977\end{array}$ $\begin{array}{lllll}0.091323 & 0.116368 & 0.609181 & 0.715457\end{array}$ $\begin{array}{lllll}0.096809 & 0.238053 & 1.159166 & 1.208774\end{array}$ $\begin{array}{llll}0.066993 & 0.175741 & 0.800077 & 0.806991\end{array}$ $\begin{array}{lllll}0.066444 & 0.184697 & 0.815783 & 0.965311\end{array}$ $\begin{array}{lllllll}0.104876 & 0.276487 & 0.784024 & 1.199817\end{array}$ $\begin{array}{lllllll}0.108217 & 0.202051 & 1.457588 & 1.058855\end{array}$ $\begin{array}{lllll}0.059328 & 0.164948 & 0.930867 & 0.826812\end{array}$ $\begin{array}{llll}0.085513 & 0.171797 & 0.684021 & 0.744908 \\ 0.044934 & 0.164854 & 0.01822 & 0.769275\end{array}$ 0.0646470 .1482520 .8339060 .756155 $0.08735 \quad 0.2292560 .9845231 .140743$ 0.0742780 .2305471 .0675490 .903538 $\begin{array}{llllll}0.082237 & 0.32622 & 1.349719 & 1.124166\end{array}$ $\begin{array}{lllll}0.091863 & 0.253813 & 0.856081 & 1.537379\end{array}$ $\begin{array}{llll}0.097624 & 0.213424 & 1.083001 & 0.970512 \\ 0.090256 & 0.202001 & 0.950792 & 0.922067\end{array}$ $\begin{array}{llllll}0.141013 & 0.249298 & 0.971743 & 1.006395\end{array}$ $\begin{array}{lllll}0.14531 & 0.176282 & 0.953985 & 0.813507\end{array}$ $\begin{array}{lllll}0.130803 & 0.183615 & 1.06006 & 1.391138\end{array}$ $\begin{array}{llll}0.127627 & 0.185864 & 0.95525 & 1.0891\end{array}$ $\begin{array}{llll}0.130101 & 0.153685 & 1.037361 & 0.847433 \\ 0 & 150191 & 0.244003 & 0.938286\end{array}$ $\begin{array}{llll}0.150191 & 0.244003 & 0.938286 & 1.29762 \\ 0.188583 & 0.204679 & 1.238063 & 0.960767\end{array}$ $0.160373 \quad 0.2683341 .146065 \quad 1.102518$ $\begin{array}{llllllll}0.191826 & 0.269943 & 0.939007 & 0.957954\end{array}$ $\begin{array}{lllllll}0.157654 & 0.229109 & 1.146727 & 0.964741\end{array}$ $\begin{array}{lllll}0.124933 & 0.199609 & 1.198214 & 0.692282\end{array}$ 0.2289690 .2267531 .1071721 .921604 $\begin{array}{llll}0.144018 & 0.189122 & 0.876041 & 0.66051 \\ 0.222679 & 0.207625 & 0.891002 & 0.880158\end{array}$ $\begin{array}{lllllll}0.286439 & 0.240347 & 0.958263 & 1.293057\end{array}$ $\begin{array}{llllll}0.251774 & 0.320944 & 1.337768 & 0.822728\end{array}$ $\begin{array}{lllll}0.347107 & 0.21569 & 1.380333 & 0.882736\end{array}$ $\begin{array}{llll}0.335784 & 0.317685 & 1.532595 & 2.043678\end{array}$ $\begin{array}{lllll}0.194182 & 0.2353551 & 0.84021 & 0.802773\end{array}$ $\begin{array}{llll}0.194182 & 0.205351 & 0.854945 & 1.16734 \\ 0.22105 & 0.160524 & 0.906986 & 0.860503\end{array}$ $\begin{array}{lllllllllll}0.213165 & 0.234914 & 0.911744 & 0.972127\end{array}$ $\begin{array}{lllll}0.160188 & 0.129308 & 0.849529 & 0.760803\end{array}$ $\begin{array}{llll}0.27395 & 0.287096 & 0.91157 & 1.622968\end{array}$ $\begin{array}{llll}0.256888 & 0.266468 & 1.134681 & 1.065602 \\ 0.54481\end{array}$ $\begin{array}{llll}0.354281 & 0.154632 & 1.333682 & 0.87533 \\ 0.439175 & 0.27327 & 0.929701 & 1.034404\end{array}$ $0.205745 \quad 0.1230360 .7119840 .601721$ $\begin{array}{lllll}0.277186 & 0.197842 & 0.874791 & 0.8665\end{array}$ $\begin{array}{llllll}0.297542 & 0.225175 & 0.832337 & 1.134478\end{array}$ $\begin{array}{llllll}0.303494 & 0.301073 & 1.192778 & 1.056818\end{array}$ $\begin{array}{llll}0.295918 & 0.212755 & 1.32023 & 1.352832 \\ 0 & 219754 & 0.229665 & 0.757922 \\ 1 & 1.138288\end{array}$ $\begin{array}{lllll}0.219754 & 0.229665 & 0.757922 & 1.138288 \\ 0.396941 & 0.215013 & 1.214286 & 1.417932\end{array}$ $\begin{array}{lllll}0.324102 & 0.263223 & 1.143707 & 1.313807\end{array}$ $0.285977 \quad 0.2966591 .0916221 .576433$ $\begin{array}{lllllllllllllll}0.339566 & 0.210502 & 0.988335 & 1.036854\end{array}$

1000932.50530 .0071330 .0478910 .0550270 .0337673 .8819763 .9659690 .003872 \begin{tabular}{llllllll}
1000 \& 1087.08 \& 0.015536 \& 0.0027768 \& 0.0338833 \& 0.059978 \& 5.377233 \& 4.721155 <br>
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 0.007807 $\begin{array}{llllllllll}1000 & 994.7523 & 0.013028 & 0.04364 & 0.060947 & 0.079543 & 4.476922 & 3.919575 & 0.00695\end{array}$ 

1000 \& 890.8073 \& 0.019795 \& 0.0485 \& 0.03785 \& 0.087011 \& 4.233394 \& 3.726615 <br>
\hline
\end{tabular} $\begin{array}{lllllllll}1000 & 1197.092 & 0.009991 & 0.074091 & 0.039142 & 0.051759 & 3.988047 & 4.159681 & 0.00748\end{array}$ $\begin{array}{llllllll}1000 & 1352.997 & 0.014499 & 0.061169 & 0.035828 & 0.07072 & 5.229749 & 4.463555 \\ 0 & 0.008157\end{array}$ $\begin{array}{lllllllll}1000 & 958.9248 & 0.014726 & 0.083192 & 0.026395 & 0.063168 & 4.830114 & 4.405319 & 0.01218 \\ 1000 & 9973475 & 0.016681 & 0.0656 & 0.033056 & 0.049562 & 4.566166 & 4.395396 & 0.006798\end{array}$ $\begin{array}{lllllllll}1000 & 1138.636 & 0.019388 & 0.090739 & 0.046581 & 0.077174 & 5.458873 & 4.84887 & 0.004316\end{array}$ $\begin{array}{llllllllllll}1000 & 814.3013 & 0.015346 & 0.053671 & 0.036134 & 0.082059 & 4.496031 & 4.555662 & 0.005148\end{array}$ $\begin{array}{llllllllllll}1000 & 931.796 & 0.019588 & 0.0793 & 0.020156 & 0.054768 & 5.654208 & 4.257963 & 0.007298\end{array}$ $\begin{array}{llllllll}1000 & 791.6238 & 0.022115 & 0.069421 & 0.082432 & 0.055566 & 4.82253 & 3.845176 \\ 0.005522\end{array}$ $\begin{array}{llllllll}1000 & 1127.442 & 0.023114 & 0.113049 & 0.097292 & 0.115016 & 5.899237 & 5.952963 \\ 0.010046 \\ 1000 & 897.0957 & 0.019872 & 0.08554 & 0.055796 & 0.087818 & 5.516099 & 4.943445 \\ 0.011076\end{array}$

 $\begin{array}{lllllllllll}1000 & 980.4102 & 0.013251 & 0.071633 & 0.033377 & 0.079609 & 4.437474 & 5.030141 & 0.009438\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 1296.147 & 0.012719 & 0.096429 & 0.120053 & 0.115244 & 5.221332 & 4.89201 & 0.012382\end{array}$ $\begin{array}{llllllll}1000 & 1245.215 & 0.011753 & 0.14824 & 0.206449 & 0.193234 & 6.651795 & 6.275995 \\ 0 & 0.012998\end{array}$ $\begin{array}{lllllllll}1000 & 817.8739 & 0.010774 & 0.143044 & 0.097113 & 0.13734 & 4.272884 & 4.049264 & 0.008353\end{array}$ $\begin{array}{llllllllll}1000 & 840.9224 & 0.012685 & 0.127569 & 0.143689 & 0.138056 & 4.224201 & 4.164347 & 0.009734 \\ 1000 & 965.8104 & 0.010718 & 0.118577 & 0.096734 & 0.105369 & 5.082564 & 4.134622 & 0.010211\end{array}$ $\begin{array}{lllllllll}1000 & 890.1305 & 0.008624 & 0.086442 & 0.11496 & 0.074044 & 4.578934 & 4.035427 & 0.007177\end{array}$ $\begin{array}{llllllllll}1000 & 854.9525 & 0.0093 & 0.092548 & 0.067939 & 0.09227 & 6.283118 & 4.687951 & 0.011736\end{array}$ $\begin{array}{lllllllllllll}1000 & 915.8234 & 0.017278 & 0.10432 & 0.099219 & 0.125636 & 6.501384 & 5.893184 & 0.012235\end{array}$ $\begin{array}{llllllllll}1000 & 1073.025 & 0.016524 & 0.130696 & 0.05869 & 0.1272433 & 6.928251 & 6.067129 & 0.016916\end{array}$ $\begin{array}{llllllll}1000 & 1082.399 & 0.011776 & 0.114275 & 0.10417 & 0.113468 & 5.449728 & 5.186659\end{array} 0.014026$ $\begin{array}{lllllllll}1000 & 1006.106 & 0.01501 & 0.116942 & 0.123743 & 0.101069 & 6.703846 & 5.001749 & 0.016694 \\ 1000 & 955.9057 & 0.01647 & 0.078719 & 0.055982 & 0.078071 & 6.170875 & 4.99089 & 0.013268\end{array}$ $\begin{array}{llllllllll}1000 & 862.878 & 0.01876 & 0.091849 & 0.06186 & 0.093758 & 6.001823 & 5.290237 & 0.010079\end{array}$ $\begin{array}{llllllllllll}1000 & 935.157 & 0.015736 & 0.107842 & 0.094035 & 0.064131 & 4.879182 & 4.456568 & 0.008674\end{array}$ $\begin{array}{lllllllll}1000 & 787.0024 & 0.023901 & 0.073627 & 0.092477 & 0.102169 & 4.598787 & 4.89404 & 0.007672\end{array}$ $\begin{array}{lllllllll}1000 & 1202.854 & 0.016965 & 0.066197 & 0.067961 & 0.091067 & 6.257932 & 4.572682 & 0.009097\end{array}$ $\begin{array}{lllllllll}1000 & 962.5316 & 0.01608 & 0.059064 & 0.09525 & 0.074394 & 4.447554 & 3.956981 & 0.01135\end{array}$ $\begin{array}{lllllllll}1000 & 991.9657 & 0.022085 & 0.092121 & 0.06422 & 0.075919 & 6.014891 & 4.791377 & 0.01273 \\ 1000 & 1166.488 & 0.021176 & 0.098833 & 0.076747 & 0.110561 & 6.235977 & 5.761516 & 0.021351\end{array}$ $\begin{array}{llllllllll}1000 & 1293.853 & 0.020065 & 0.116563 & 0.076173 & 0.103453 & 7.410829 & 5.454707 & 0.01603\end{array}$ $\begin{array}{lllllllllll}1000 & 1198.89 & 0.021405 & 0.102566 & 0.078773 & 0.076862 & 5.549752 & 7.4824 & 0.010877\end{array}$ $1000818.34250 .0207110 .083018 \quad 0.065920 .069876$ 6.785508 6.4769260 .015666 $\begin{array}{lllllllll}1000 & 970.8939 & 0.015205 & 0.081666 & 0.102075 & 0.090754 & 4.776777 & 3.82907 & 0.011657\end{array}$ $\begin{array}{llllllllll}1000 & 1002.708 & 0.011723 & 0.068171 & 0.099723 & 0.077157 & 6.079961 & 6.392512 & 0.012138\end{array}$ $\begin{array}{lllllllll}1000 & 955.5825 & 0.012832 & 0.079304 & 0.064348 & 0.07195 & 4.862796 & 5.537886 & 0.011087 \\ 1000 & 1239.849 & 0.0156 & 0.108757 & 0.118365 & 0.099092 & 5.947307 & 4.753436 & 0.015427\end{array}$ $\begin{array}{lllllllll}1000 & 1089.345 & 0.010812 & 0.111068 & 0.104361 & 0.071951 & 5.489668 & 6.9049 & 0.012519\end{array}$ $\begin{array}{llllllll}1000 & 865.1096 & 0.010759 & 0.070219 & 0.076489 & 0.092189 & 5.312592 & 5.369265\end{array} 0.009431$ $\begin{array}{lllllllll}1000 & 827.0773 & 0.007438 & 0.086555 & 0.065283 & 0.088039 & 5.161632 & 6.887541 & 0.008339\end{array}$ | 1000 | 1489.556 | 0.011978 | 0.159741 | 0.0444666 | 0.087525 | 7.57819 | 9.619657 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 868.6799 | 0.017759 |  |  |  |  |  |
|  | 0.088999 | 0.071698 | 0.058533 | 0.059118 | 5782392 | 5155357 | 0.009262 | $\begin{array}{lllllllll}1000 & 868.6799 & 0.008499 & 0.071698 & 0.058533 & 0.059118 & 5.762392 & 5.155357 & 0.009262\end{array}$ $\begin{array}{llllllllll}1000 & 668.2206 & 0.00806 & 0.056396 & 0.077334 & 0.064453 & 3.927192 & 3.80473 & 0.004257\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 1417.955 & 0.010545 & 0.094312 & 0.09874 & 0.091855 & 5.157537 & 5.156948 & 0.012003\end{array}$ $\begin{array}{llllllllllll}1000 & 629.7579 & 0.006654 & 0.04455 & 0.056279 & 0.067181 & 4.128706 & 4.581078 & 0.006939\end{array}$ $\begin{array}{llllllll}1000 & 858.3134 & 0.013335 & 0.099317 & 0.068734 & 0.098032 & 6.243797 & 5.593784 \\ 0 & 0.009846\end{array}$ $\begin{array}{lllllllll}1000 & 1167.55 & 0.014449 & 0.097281 & 0.104257 & 0.094887 & 6.011971 & 5.91389 & 0.011943\end{array}$ $\begin{array}{lllllllll}1000 & 1031.862 & 0.00874 & 0.079455 & 0.05305 & 0.085059 & 5.451839 & 5.05743 & 0.014479\end{array}$ $\begin{array}{llllllllllll}1000 & 752.9298 & 0.005694 & 0.059084 & 0.042018 & 0.067525 & 5.014785 & 3.646588 & 0.011871\end{array}$ $\begin{array}{lllllllll}1000 & 950.0078 & 0.009694 & 0.087988 & 0.058355 & 0.06145 & 5.565888 & 4.280885 & 0.011567\end{array}$ $\begin{array}{llllllllllllll}1000 & 746.8481 & 0.006905 & 0.091331 & 0.080306 & 0.092154 & 5.502452 & 5.069109 & 0.013777\end{array}$ $\begin{array}{llllllllll}1000 & 1267.771 & 0.007786 & 0.122433 & 0.125281 & 0.092151 & 7.324818 & 8.95409 & 0.014283\end{array}$ $\begin{array}{lllllllll}1000 & 1257.256 & 0.007966 & 0.101544 & 0.114476 & 0.08003 & 5.790463 & 6.752259 & 0.009111\end{array}$ $\begin{array}{lllllllll}1000 & 1099.979 & 0.009862 & 0.082918 & 0.079345 & 0.065863 & 5.188187 & 5.494431 & 0.014311 \\ 1000 & 1182.326 & 0.006142 & 0.105269 & 0.115172 & 0.097658 & 6.872551 & 4.931483 & 0.015879\end{array}$ $\begin{array}{lllllllll}1000 & 1147.439 & 0.015719 & 0.112251 & 0.070713 & 0.11338 & 7.880833 & 6.896508 & 0.01325\end{array}$ $\begin{array}{llllllllllll}1000 & 929.2152 & 0.007544 & 0.08726 & 0.090541 & 0.09008 & 5.529609 & 5.225492 & 0.024533\end{array}$ $\begin{array}{lllllllll}1000 & 1294.656 & 0.007827 & 0.075548 & 0.040599 & 0.09109 & 5.18877 & 4.724114 & 0.010745\end{array}$

| 148.9925 | 4.325835 | 464.22 | 110.01 | 514.84 | 495.78 | 12040.06 | 144763.8 | 169.03 | 101.01 | 24 | 107.01 | 8171.85 | 94123.89 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 149.3268 | 4.34255 | 434.2 | 152.02 | 614.19 | 477.72 | 9160.08 | 150941.2 | 178.03 | 164.03 | 14 | 119.02 | 7637.67 | 74339.78 |
| 149.6607 | 4.359245 | 308.1 | 120. | 395 | 543 | 9987.59 | 145684.1 | 95.04 | 129.02 | 12 | 6.01 | 7867.55 | 63124.38 |
| 149.995 | 4.37596 | 352.13 | 157.03 | 493.77 | 653.35 | 7748.65 | 165331 | 230.06 | 153.03 | 27 | 101.01 | 7891.97 | 62765.3 |
| 150.3288 | 4.39265 | 388.16 | 109.01 | 497.78 | 636.28 | 8384.26 | 133832.1 | 233.06 | 125.02 | 20 | 91.01 | 7347.95 | 64018.68 |
| 150.6627 | 4.409345 | 416.18 | 89.01 | 601.14 | 657.36 | 8184.05 | 143900.6 | 230.06 | 132.02 | 19 | 98.01 | 8766.79 | 58762.57 |
| 150.997 | 4.42606 | 411.18 | 95.01 | 454.65 | 487.75 | 9052.05 | 141442.3 | 229.06 | 128.02 | 18 | 113.0 | 6215. | 63450.53 |
| 151.3308 | 4.44275 | 279.08 | 107.01 | 438.61 | 576.05 | 9628.02 | 161979.7 | 220.05 | 128.02 | 17 | 158.03 | 7941.82 | 62709.29 |
| 151.6646 | 4.45944 | 256.07 | 100.01 | 610.17 | 423.57 | 8147.19 | 137702 | 214.05 | 119.02 | 20 | 157.03 | 8406.07 | 65232.77 |
| 151.999 | 4.47616 | 223.05 | 109.01 | 386.47 | 663.39 | 7200.31 | 124016.9 | 168.03 | 122.02 | 34 | 110.01 | 6903.06 | 64767.65 |
| 152.3328 | 4.49285 | 351.13 | 79.01 | 439.61 | 596.12 | 10555.17 | 137664.5 | 169.03 | 157.03 | 14 | 135.02 | 5599.3 | 61532.27 |
| 152.6666 | 4.50954 | 221.05 | 115.01 | 481.73 | 579.06 | 9677.97 | 141066.8 | 189.04 | 147.02 | 13 | 102.01 | 7097.01 | 51776.36 |
| 153.001 | 4.52626 | 207.04 | 91.01 | 392.49 | 408.53 | 9080.64 | 150367.9 | 167.03 | 114.01 | 16 | 81.01 | 9330.86 | 61263.25 |
| 153.3348 | 4.54295 | 250.07 | 98.01 | 530.89 | 560.99 | 9315.91 | 139293.4 | 163.03 | 99.01 | 17 | 108.01 | 7634.62 | 62388.21 |
| 153.6686 | 4.55964 | 252.07 | 125.02 | 498.79 | 487.75 | 10478.24 | 203920.1 | 133.02 | 142.02 | 15 | 96.01 | 7486.18 | 57339.56 |
| 154.004 | 4.57641 | 190.04 | 128.02 | 611.18 | 615.2 | 8658.65 | 186935.1 | 149.02 | 108.01 | 13 | 92.01 | 6183.81 | 59528.45 |
| 154.3378 | 4.5931 | 195.04 | 117.01 | 551.96 | 544.94 | 8088.24 | 124389.8 | 140.02 | 92.01 | 17 | 111.01 | 7140.69 | 58705.89 |
| 154.6716 | 4.60979 | 208.05 | 114.01 | 454.65 | 533.9 | 9457.03 | 164267.3 | 151.02 | 112.01 | 21 | 95.01 | 7186.4 | 51090.77 |
| 155.006 | 4.62651 | 219.05 | 138.02 | 497.78 | 507.81 | 8562.56 | 137708.9 | 123.02 | 112.01 | 21 | 120.02 | 6332.84 | 61531.12 |
| 155.3398 | 4.6432 | 210.05 | 126.02 | 375.45 | 463.68 | 10901.82 | 198509.4 | 146.02 | 104.01 | 38 | 96.01 | 6943.67 | 62537.87 |
| 155.6736 | 4.65989 | 150.02 | 104.01 | 362.41 | 417.55 | 8780.16 | 130686.5 | 103.01 | 124.02 | 19 | 114.01 | 7122.4 | 54958.05 |
| 156.0079 | 4.676605 | 143.02 | 120.02 | 332.35 | 472.71 | 8373.72 | 150453.8 | 146.02 | 111.01 | 18 | 84.01 | 6150.36 | 62679.57 |
| 156.3418 | 4.6933 | 112.01 | 113.01 | 394.49 | 421.56 | 9777.92 | 153266.8 | 117.01 | 124.02 | 13 | 84.01 | 6585.39 | 51956.29 |
| 156.6756 | 4.70999 | 163.03 | 121.02 | 341.37 | 550.96 | 10073.88 | 195146.6 | 135.02 | 106.01 | 20 | 82.01 | 6922.35 | 63717.34 |
| 157.0099 | 4.726705 | 139.02 | 154.02 | 366.42 | 445.63 | 8431.72 | 119117.3 | 137.02 | 124.02 | 13 | 130.02 | 6875.6 | 59789.69 |
| 157.3438 | 4.7434 | 174.03 | 129.02 | 380.46 | 541.93 | 12032.51 | 144476.4 | 149.02 | 133.02 | 18 | 113.01 | 8888.11 | 64124.12 |
| 157.6776 | 4.76009 | 209.05 | 151.02 | 382.46 | 572.03 | 8362.12 | 128089.2 | 152.02 | 121.02 | 12 | 91.01 | 7168.11 | 62605.29 |
| 158.0119 | 4.776805 | 135.02 | 116.01 | 453.65 | 541.93 | 10351.17 | 147524.3 | 133.02 | 158.03 | 27 | 119.02 | 7513.63 | 67124.2 |
| 158.3457 | 4.793495 | 129.02 | 116.01 | 480.73 | 466.69 | 8481.3 | 155695.6 | 143.02 | 151.02 | 21 | 149.02 | 8285.8 | 61957.76 |
| 158.6796 | 4.81019 | 121.02 | 156.03 | 406.52 | 636.28 | 9561.09 | 235242.5 | 160.03 | 126.02 | 15 | 116.01 | 6490.03 | 63633.73 |
| 159.0139 | 4.826905 | 104.01 | 120.02 | 469.7 | 562 | 8809.76 | 167098 | 156.03 | 161.03 | 30 | 121.02 | 9943.66 | 58252.65 |
| 159.3477 | 4.843595 | 114.01 | 134.02 | 464.68 | 438.61 | 10803.31 | 142524.3 | 175.03 | 139.02 | 22 | 116.01 | 6848.2 | 67743.99 |
| 159.6815 | 4.860285 | 77.01 | 135.02 | 411.53 | 565.01 | 11720.03 | 164147.3 | 168.03 | 148.02 | 25 | 124.02 | 8876.9 | 64426.85 |
| 160.0159 | 4.877005 | 102.01 | 116.01 | 490.76 | 505.81 | 8410.63 | 137399.8 | 177.03 | 144.02 | 24 | 121.02 | 7890.95 | 67349.18 |
| 160.3497 | 4.893695 | 78.01 | 132.02 | 543.93 | 786.95 | 8058.77 | 229914.6 | 200.04 | 101.01 | 17 | 119.02 | 8328.66 | 70060.48 |
| 160.6835 | 4.910385 | 113.01 | 100.01 | 415.55 | 555.98 | 9170.68 | 184445.2 | 207.05 | 186.04 | 20 | 102.01 | 8249.23 | 66355.47 |
| 161.0179 | 4.927105 | 90.01 | 130.02 | 515.84 | 679.45 | 8847.83 | 136860.6 | 147.02 | 130.02 | 20 | 116.01 | 7541.08 | 76217.88 |
| 161.3517 | 4.943795 | 83.01 | 131.02 | 388.48 | 507.81 | 7456.95 | 192374.7 | 160.03 | 151.02 | 17 | 135.02 | 8131.13 | 66460.27 |
| 161.6855 | 4.960485 | 118.01 | 120.02 | 484.74 | 477.72 | 12479.65 | 124328.5 | 179.03 | 148.02 | 20 | 111.01 | 9159.42 | 74095.57 |
| 162.0209 | 4.977255 | 1.01 | 97.01 | 524.87 | 478.72 | 9319.09 | 177532 | 147.02 | 155.03 | 22 | 128.02 | 6966.01 | 74965.67 |
| 162.3547 | 4.993945 | 115.01 | 133.02 | 773.89 | 495.78 | 9660.97 | 217068 | 164.03 | 161.03 | 19 | 140.02 | 8287.92 | 69211.79 |
| 162.6885 | 5.010635 | 156.03 | 203.04 | 628.25 | 558.99 | 10515.63 | 144431.5 | 192.04 | 145.02 | 27 | 151.02 | 10786.56 | 95074.86 |
| 163.0228 | 5.02735 | 129.02 | 127.02 | 389.48 | 581.07 | 8498.18 | 171277 | 168.03 | 148.02 | 24 | 133.02 | 8211.56 | 77057.29 |
| 163.3567 | 5.044045 | 147.02 | 188.04 | 464.68 | 620.21 | 10908.24 | 157420.8 | 163.03 | 200.04 | 38 | 171.03 | 9395.17 | 63631.44 |
| 163.691 | 5.06076 | 126.02 | 141.02 | 447.63 | 584.08 | 8248.3 | 135231.5 | 155.03 | 184.04 | 24 | 134.02 | 9701.5 | 71367.69 |
| 164.0248 | 5.07745 | 256.07 | 151.02 | 508.82 | 366.42 | 7595.39 | 127835.3 | 177.03 | 210.05 | 46 | 141.02 | 9261.46 | 86813.51 |
| 164.3587 | 5.094145 | 209.05 | 184.04 | 596.12 | 588.09 | 10110.11 | 178302.7 | 261.07 | 204.05 | 36 | 146.02 | 9365.56 | 87296.91 |
| 164.693 | 5.11086 | 259.07 | 142.02 | 501.79 | 693.52 | 8217.75 | 152904.7 | 195.04 | 197.04 | 32 | 178.03 | 8983.97 | 94035.21 |
| 165.0268 | 5.12755 | 234.06 | 156.03 | 355.4 | 796 | 8825.62 | 133076.1 | 258.07 | 228.06 | 34 | 124.02 | 12624.01 | 88862.79 |
| 165.3606 | 5.14424 | 267.57 | 122.02 | 507.81 | 490.76 | 8311.52 | 165132.5 | 291.09 | 237.06 | 26 | 154.03 | 9008.45 | 68863.21 |
| 165.695 | 5.16096 | 291.09 | 135.02 | 474.71 | 470.7 | 8352.63 | 156187 | 296.09 | 180.04 | 27 | 163.03 | 9224.72 | 64233.04 |
| 166.0288 | 5.17765 | 279.08 | 129.02 | 456.66 | 541.93 | 8473.91 | 144099.3 | 283.09 | 232.06 | 18 | 121.02 | 8667.92 | 71000.15 |
| 166.3626 | 5.19434 | 214.05 | 108.01 | 484.74 | 526.88 | 10849.35 | 128687 | 253.07 | 128.02 | 21 | 128.02 | 8832.03 | 125377.7 |
| 166.697 | 5.21106 | 212.05 | 136.02 | 501.79 | 687.49 | 10877.19 | 241278.7 | 303.1 | 150.02 | 20 | 133.02 | 9253.3 | 108358.1 |
| 167.0308 | 5.22775 | 209.05 | 116.01 | 436.6 | 763.84 | 8775.93 | 128445.8 | 238.06 | 119.02 | 13 | 103.01 | 9356.38 | 89688.85 |
| 167.3646 | 5.24444 | 279.08 | 136.02 | 549.95 | 744.75 | 9156.91 | 139821 | 287.09 | 127.02 | 23 | 130.02 | 9152.28 | 77321.77 |
| 167.6989 | 5.261155 | 184.04 | 131.02 | 546.94 | 410.53 | 11461.88 | 152617.9 | 268.08 | 157.03 | 29 | 119.02 | 9946.72 | 66978.89 |
| 168.0328 | 5.27785 | 177.03 | 117.01 | 427.58 | 488.75 | 10936.09 | 165833.8 | 274.08 | 176.03 | 15 | 109.01 | 9027.83 | 67380.34 |
| 168.3666 | 5.29454 | 226.05 | 120.02 | 409.53 | 492.77 | 10077.08 | 126660 | 331.12 | 131.02 | 23 | 117.01 | 8935.02 | 72100.09 |
| 168.7009 | 5.311255 | 177.03 | 128.02 | 420.56 | 528.88 | 8982.18 | 158634.5 | 288.09 | 144.02 | 13 | 133.02 | 8080.23 | 87780.87 |
| 169.0347 | 5.327945 | 255.07 | 172.03 | 505.81 | 377.45 | 9475.08 | 140957.5 | 277.08 | 109.01 | 13 | 108.01 | 8522.2 | 120681.7 |
| 169.3686 | 5.34464 | 233.06 | 115.01 | 440.61 | 534.9 | 12395.31 | 160307.1 | 300.1 | 116.01 | 24 | 83.01 | 7881.79 | 68442.49 |
| 169.7029 | 5.361355 | 237.06 | 142.02 | 412.54 | 555.98 | 10266.86 | 185114.3 | 312.1 | 111.01 | 19 | 95.01 | 8668.94 | 86518.56 |
| 170.0378 | 5.3781 | 288.09 | 135.02 | 434.6 | 637.28 | 13098.39 | 136941.7 | 237.06 | 103.01 | 21 | 96.01 | 10400.72 | 98609.1 |
| 170.3716 | 5.39479 | 238.06 | 100.01 | 347.38 | 627.24 | 10290.33 | 133513.4 | 262.07 | 114.01 | 21 | 104.01 | 7534.98 | 69697.9 |
| 170.7059 | 5.411505 | 164.03 | 141.02 | 322.33 | 466.69 | 11498.42 | 120668 | 252.07 | 123.02 | 16 | 116.01 | 9910. | 70845.55 |

$\begin{array}{llll}0.306907 & 0.162457 & 0.908237 & 0.77062\end{array}$ $\begin{array}{llll}0.376783 & 0.302539 & 1.424588 & 0.9747 \\ 0.24297 & 0.215295 & 0.840658 & 1.02239\end{array}$ $\begin{array}{lllll}0.359359 & 0.370202 & 1.35346 & 1.591434\end{array}$ $\begin{array}{lllllllll}0.367031 & 0.230988 & 1.261016 & 1.431328\end{array}$ $\begin{array}{llll}0.403832 & 0.189216 & 1.56058 & 1.516249\end{array}$ $\begin{array}{llll}0.360616 & 0.183932 & 1.066603 & 1.007841 \\ 0.227554 & 0.197114 & 0.967344 & 1.125215\end{array}$ $\begin{array}{llllll}0.24597 & 0.216273 & 1.591224 & 0.967176\end{array}$ $\begin{array}{llllll}0.241056 & 0.268975 & 1.139477 & 1.739662\end{array}$ $\begin{array}{lllll}0.263029 & 0.128321 & 0.88438 & 1.063203\end{array}$ $\begin{array}{llllll}0.177657 & 0.212138 & 1.057145 & 1.125432\end{array}$ $\begin{array}{lllll}0.176808 & 0.174805 & 0.917601 & 0.835655\end{array}$ $\begin{array}{lllll}0.288142 & 0.214472 & 1.011038 & 0.1370649\end{array}$ 1694730262721.1497011 .32879 $\begin{array}{llllll}0.186449 & 0.258637 & 1.449698 & 1.264938\end{array}$ $\begin{array}{lllllll}0.170638 & 0.215042 & 1.020922 & 1.059216\end{array}$ 0.1989050 .2919241 .2347551 .11084 $\begin{array}{llll}0.149512 & 0.207918 & 0.731043 & 0.794045\end{array}$ $\begin{array}{lllll}0.13009 & 0.20952 & 0.876117 & 0.884159 \\ 0.129612 & 0.256794 & 0.842269 & 1.054697\end{array}$ $\begin{array}{llllll}0.085227 & 0.206 & 0.85651 & 0.801873\end{array}$ $\begin{array}{llllllllll}0.123875 & 0.215377 & 0.719155 & 1.027158\end{array}$ $0.1248660 .3332790 .922446 \quad 0.9852$ 0.1111380 .1332170 .6711990 .845405 0.1939560 .3290920 .9709371 .28626 $\begin{array}{lllll}0.098569 & 0.200214 & 0.930669 & 0.982739\end{array}$ $\begin{array}{lllll}0.094817 & 0.297987 & 0.902707 & 1.255132\end{array}$ $\begin{array}{lllll}0.087215 & 0.244082 & 1.132288 & 1.198842\end{array}$ $\begin{array}{lllll}0.078641 & 0.224184 & 0.913437 & 0.75633\end{array}$ $\begin{array}{lllll}0.046837 & 0.208303 & 0.745499 & 0.906098\end{array}$ 0.0894230 .2464151 .2393041 .126312 0.0917570 .1921330 .9620911138938 $0.073983 \quad 0.264965$ 1.238368 1.45085 $\begin{array}{lllll}0.080156 & 0.316996 & 1.105989 & 1.275575\end{array}$ $\begin{array}{llll}0.070681 & 0.172299 & 0.824927 & 0.715438\end{array}$ $\begin{array}{llll}0.071113 & 0.182826 & 1.196353 & 0.960185\end{array}$ $\begin{array}{llll}0.08882 & 0.248687 & 1.702422 & 0.96043\end{array}$ $0.114327 \quad 0269017 \quad 0.972965$ $\begin{array}{lllll}0.102474 & 0.318127 & 0.90465 & 1.0715\end{array}$ $\begin{array}{llllll}0.114836 & 0.310106 & 1.152443 & 1.332319\end{array}$ $\begin{array}{llll}0.263842 & 0.362317 & 1.422933 & 0.89167\end{array}$ $\begin{array}{lllll}0.160418 & 0.335566 & 1.25268 & 1.094625\end{array}$ $206795 \quad 0.322822 \quad 0.8547051 .710342$ $\begin{array}{lllll}0.252349 & 0.263386 & 1.29773 & 1.104664\end{array}$ $\begin{array}{llllll}0.273988 & 0.292292 & 1.207027 & 1.052699\end{array}$ $\begin{array}{llllll}0.25855 & 0.274368 & 1.144429 & 1.200478\end{array}$ $\begin{array}{llllll}0.153231 & 0.176711 & 0.948899 & 0.910736\end{array}$ $\begin{array}{llll}0.151345 & 0.226229 & 0.97982 & 1.194457\end{array}$ $\begin{array}{llll}0.18489 & 0.236156 & 1.056406 & 1.649033\end{array}$ $\begin{array}{lllll}0.123767 & 0.206223 & 1.013641 & 0.66540\end{array}$ 0.124510 .1912790 .8301690 .835966 $\begin{array}{llllll}0.174652 & 0.213383 & 0.862834 & 0.914964\end{array}$ $\begin{array}{lllll}0.151598 & 0.25668 & 0.994151 & 1.104392\end{array}$ $\begin{array}{lllllllllll}0.210637 & 0.333461 & 1.133856 & 0.737316\end{array}$ $\begin{array}{llllll}0.180137 & 0.25102 & 0.853121 & 1017322\end{array}$ $\begin{array}{llllll}0.172848 & 0.186381 & 0.704514 & 0.917626\end{array}$ $\begin{array}{llllll}0.180516 & 0.171225 & 0.716452 & 1.14915\end{array}$ $0.109234 \quad 0.222444 \quad 0.594820 .757913$
$\begin{array}{lllllllll}1000 & 724.6453 & 0.006637 & 0.053639 & 0.073027 & 0.063523 & 4.310916 & 5.347127 & 0.01067\end{array}$

 $\begin{array}{lllllllll}1000 & 1286.143 & 0.01878 & 0.12675 & 0.127983 & 0.091853 & 6.466985 & 5.54069 & 0.018173\end{array}$ $\begin{array}{llllllllll}1000 & 962.0058 & 0.01774 & 0.095543 & 0.086999 & 0.074329 & 5.560306 & 5.222851 & 0.016059\end{array}$ $\begin{array}{lllllllll}1000 & 10599.754 & 0.017781 & 0.10341 & 0.08455 & 0.08372 & 6.808791 & 4.911331 & 0.012307\end{array}$ \begin{tabular}{llllllll}
1000 \& 941.7406 \& 0.015957 \& 0.090636 \& 0.072303 \& 0.090362 \& 4.347121 \& 4.79457 <br>
1000 \& 1014.065 \& 0.013996 \& 0.085214 \& 0.064086 \& 0.126353 \& 5.23772 \& 4.455055 <br>
\hline 0.013024

 $\begin{array}{llllllll}1000 & 1014.065 & 0.013996 & 0.085214 & 0.064086 & 0.126353 & 5.23772 & 4.455055 \\ & 0.013024 \\ 1000 & 1018.655 & 0.015749 & 0.093563 & 0.089531 & 0.148235 & 6.555498 & 5.47678 \\ 0 & 0.011984\end{array}$ $\begin{array}{lllllllll}1000 & 1037.983 & 0.01095 & 0.108562 & 0.174154 & 0.109915 & 6.07825 & 6.152931 & 0.015274\end{array}$ $\begin{array}{lllllllllll}1000 & 786.0275 & 0.007571 & 0.095495 & 0.047808 & 0.095953 & 3.353574 & 3.987415 & 0.012464\end{array}$ $\begin{array}{llllllll}1000 & 878.4859 & 0.01048 & 0.097465 & 0.04827 & 0.074454 & 4.650568 & 3.659354 \\ 0\end{array} 0.008495$ $\begin{array}{lllllllll}1000 & 998.0661 & 0.008564 & 0.080377 & 0.063823 & 0.058878 & 6.53502 & 4.614713 & 0.013809\end{array}$ $\begin{array}{rrrrrrrr}1000 & 901.1494 & 0.007886 & 0.067938 & 0.066233 & 0.08305 & 5.201627 & 4.580755 \\ 0.009156 \\ 1000 & 1173.212 & 0.003933 & 0.086936 & 0.051734 & 0.063698 & 4.53366 & 3.743 \\ 0 & 0.008729\end{array}$ $\begin{array}{lllllllll}1000 & 1301.463 & 0.006746 & 0.079815 & 0.053953 & 0.072996 & 4.52137 & 4.702599 & 0.011276\end{array}$ $\begin{array}{lllllllll}1000 & 926.7987 & 0.006025 & 0.072657 & 0.076287 & 0.098942 & 5.599407 & 4.964724 & 0.012072\end{array}$ $\begin{array}{lllllllll}1000 & 1046.994 & 0.006403 & 0.075811 & 0.081091 & 0.069641 & 4.81988 & 3.695268 & 0.008694\end{array}$ $\begin{array}{lllllllll}1000 & 969.2823 & 0.003557 & 0.083731 & 0.089563 & 0.102776 & 4.683797 & 4.915362 & 0.009602\end{array}$ $\begin{array}{lllllllll}1000 & 1097.686 & 0.005062 & 0.061019 & 0.128764 & 0.061223 & 4.038186 & 3.923705 & 0.010653\end{array}$ $\begin{array}{llllllll}1000 & 897.0124 & 0.00102 & 0.090498 & 0.078809 & 0.094169 & 5.144724 & 4.281455 \\ 1000 & 1082.0554 & 0.00659 & 0.084848 & 0.07816 & 0.067021 & 4.649606 & 5.120038 \\ 10 & 0.009082\end{array}$ $\begin{array}{lllllllllll}1000 & 944.7677 & 0.002455 & 0.081263 & 0.047777 & 0.057395 & 4.267284 & 3.634531 & 0.009039\end{array}$ $\begin{array}{llllllllll}1000 & 1167.775 & 0.004304 & 0.067318 & 0.072406 & 0.053951 & 4.356528 & 4.326302 & 0.004794\end{array}$ $\begin{array}{llllllllll}1000 & 851.3184 & 0.005397 & 0.094239 & 0.055406 & 0.114871 & 5.169576 & 4.850374 & 0.014506\end{array}$ $\begin{array}{lllllllll}1000 & 723.6591 & 0.004854 & 0.07087 & 0.054392 & 0.0679777 & 4.695572 & 3.645134 & 0.007602\end{array}$ $\begin{array}{llllllll}1000 & 923.1254 & 0.00737 & 0.092704 & 0.051387 & 0.074526 & 5.437029 & 5.121066 \\ 0 & 0.006882\end{array}$ $\begin{array}{lllllllll}1000 & 858.9767 & 0.003981 & 0.098002 & 0.095801 & 0.08416 & 4.606337 & 4.43552 & 0.008836 \\ 1000 & 1106.497 & 0.006126 & 0.114268 & 0.090421 & 0.134033 & 6.206294 & 4.996871 & 0.011512\end{array}$ $\begin{array}{llllllllll}1000 & 1483.377 & 0.007347 & 0.084458 & 0.056697 & 0.088328 & 4.300072 & 4.55238 & 0.009567\end{array}$ $\begin{array}{lllllllll}1000 & 1143.31 & 0.007485 & 0.117352 & 0.125324 & 0.100897 & 7.18232 & 4.52287 & 0.008282\end{array}$ $\begin{array}{llllllll}1000 & 795.1063 & 0.007994 & 0.082525 & 0.074452 & 0.078171 & 4.018326 & 4.289107 \\ 0.0 .01075\end{array}$ $\begin{array}{lllllllll}1000 & 844.1948 & 0.006727 & 0.081033 & 0.078218 & 0.078106 & 4.81464 & 3.759997 & 0.006225\end{array}$ $\begin{array}{llllllll}1000 & 984.5766 & 0.010524 & 0.109848 & 0.104544 & 0.105686 & 5.957139 & 5.477336 \\ 0.011242 \\ 1000 & 1720.066 & 0.014053 & 0.080142 & 0.076566 & 0.108103 & 6.565797 & 5.946653 \\ 0 & 0.011733\end{array}$ $\begin{array}{lllllllll}1000 & 12122.411 & 0.01317 & 0.130363 & 0.079538 & 0.078573 & 5.714047 & 4.949212 & 0.006611\end{array}$ $\begin{array}{lllllllll}1000 & 932.2433 & 0.006358 & 0.09419 & 0.08244 & 0.09545 & 5.409007 & 5.892278 & 0.008595\end{array}$ $\begin{array}{lllllllllll}1000 & 1555.23 & 0.00942 & 0.129967 & 0.082747 & 0.135826 & 6.925797 & 6.096404 & 0.008544\end{array}$ $\begin{array}{lllllllll}1000 & 600.346 & 0.007265 & 0.0761 & 0.058447 & 0.064122 & 4.666811 & 4.061039 & 0.01153\end{array}$ $\begin{array}{llllllll}1000 & 1148.353 & 0.006037 & 0.106776 & 0.086311 & 0.102032 & 4.739484 & 5.502364 \\ 0\end{array} 0.010146$ $\begin{array}{llllllll}1000 & 1354.563 & 0.007716 & 0.107011 & 0.07162323 & 0.109418 & 5.449725 & 4.900243 \\ 1000 & 827.8007233 \\ 0 & 0.009952 & 0.088471 & 0.094303 & 0.109785 & 6.531392 & 6.184228 & 0.007232\end{array}$ $\begin{array}{llllllllll}1000 & 827.8005 & 0.009952 & 0.088471 & 0.094303 & 0.109785 & 6.531392 & 6.184228 & 0.007232 \\ 1000 & 1214.897 & 0.009277 & 0.111759 & 0.103467 & 0.117098 & 6.137841 & 6.202306 & 0.006772\end{array}$ $\begin{array}{lllllllll}1000 & 869.8307 & 0.006735 & 0.117892 & 0.128688 & 0.122073 & 5.477841 & 3.989968 & 0.008668\end{array}$ $\begin{array}{llllllllllll}1000 & 988.0992 & 0.007864 & 0.143376 & 0.106602 & 0.12172 & 7.482898 & 5.918397 & 0.017072\end{array}$ $\begin{array}{llllllllll}1000 & 1014.309 & 0.011654 & 0.17784 & 0.224287 & 0.140344 & 7.754474 & 7.818252 & 0.016103\end{array}$ $\begin{array}{lllllllll}1000 & 1063.094 & 0.01769 & 0.129764 & 0.131437 & 0.10981 & 5.891537 & 5.906085 & 0.013623 \\ 1000 & 1121.501 & 0.013127 & 0.154136 & 0.143471 & 0.169587 & 6.950447 & 7.827182 & 0.010756\end{array}$ $\begin{array}{lllllllll}1000 & 1121.501 & 0.013127 & 0.154136 & 0.143471 & 0.169587 & 6.950447 & 7.827182 & 0.010756 \\ 1000 & 908.7232 & 0.019899 & 0.16624 & 0.142078 & 0.103725 & 9.118153 & 6.887132 & 0.00687\end{array}$ $\begin{array}{lllllllll}1000 & 908.7232 & 0.019899 & 0.16324 & 0.142088 & 0.103725 & 9.118153 & 6.887132 & 0.00687 \\ 1000 & 1197.591 & 0.0254 & 0.185524 & 0.114807 & 0.142108 & 6.890921 & 5.66726 & 0.0162\end{array}$ $\begin{array}{llllllllllll}1000 & 1127.093 & 0.025919 & 0.138489 & 0.118727 & 0.150948 & 7.023145 & 5.260186 & 0.008366\end{array}$ $\begin{array}{lllllllll}1000 & 1024.914 & 0.023899 & 0.176192 & 0.077236 & 0.104896 & 6.500991 & 5.731137 & 0.014434\end{array}$ $\begin{array}{lllllllll}1000 & 714.7995 & 0.015692 & 0.07562 & 0.070683 & 0.087639 & 5.174526 & 7.904436 & 0.008431\end{array}$ $\begin{array}{llllllll}1000 & 1337.349 & 0.0205595 & 0.088501 & 0.067058 & 0.091485 & 5.40979 & 6.813945 \\ & 0.009543\end{array}$ 

1000 \& 882.0435 \& 0.017561 \& 0.086859 \& 0.053232 \& 0.083117 \& 6.780612 \& 6.990517 <br>
1000 \& 920.2745 \& 0.022586 \& 0.088892 \& 0.091932 \& 0.105773 \& 6.355444 \& 5.775827 <br>
\hline
\end{tabular} $\begin{array}{lllllllll}1000 & 802.5357 & 0.016261 & 0.08794 & 0.093054 & 0.076004 & 5.521983 & 3.996985 & 0.010671\end{array}$ $\begin{array}{llllllllll}1000 & 914.0185 & 0.017632 & 0.1034 & 0.049568 & 0.071555 & 5.248361 & 4.214281 & 0.008928\end{array}$ $\begin{array}{llllllllll}1000 & 757.4517 & 0.025219 & 0.083341 & 0.083536 & 0.084683 & 5.636705 & 4.893927 & 0.006935\end{array}$ $\begin{array}{llllllll}1000 & 1064.523 & 0.0223145 & 0.102857 & 0.05201 & 0.110788 & 5.713247 & 6.684683 \\ 0\end{array} 0.008123$ $\begin{array}{llllllll}1000 & 896.6033 & 0.020692 & 0.073619 & 0.049304 & 0.081655 & 5.715311 & 8.712023 \\ 1000 & 77.0099979 \\ 1008 & 0.017812 & 0.059924 & 0.070934 & 0.04456 & 4.037204 & 3.776728 & 0.009121\end{array}$ $\begin{array}{llllllll}1000 & 779.5128 & 0.017812 & 0.059924 & 0.070934 & 0.04456 & 4.037204 & 3.776728 \\ 1000 & 1086.881 & 0.0022762 & 0.069201 & 0.067396 & 0.064147 & 5.366207 & 5.764048 \\ 0.010411\end{array}$ $\begin{array}{llllllllllll}1000 & 630.0688 & 0.011683 & 0.050292 & 0.058546 & 0.050955 & 5.054406 & 5.149265 & 0.006512\end{array}$ $\begin{array}{llllllllll}1000 & 781.9267 & 0.017484 & 0.070927 & 0.074523 & 0.071744 & 4.646887 & 4.632823 & 0.005892\end{array}$ $\begin{array}{llllllllllll}1000 & 632.3798 & 0.014712 & 0.06854 & 0.050402 & 0.073445 & 5.484473 & 4.214294 & 0.009296\end{array}$

| 171.0397 | 5.428195 | 256.07 | 102.01 | 300.28 | 381.46 | 9714.12 | 146202.1 | 236.06 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 171.3736 | 5.44489 | 195.04 | 107.01 | 328.34 | 689.5 | 7933.6 | 209276.6 | 231.06 |
| 171.7079 | 5.461605 | 192.04 | 122.02 | 342.37 | 417.55 | 11061.49 | 251818.1 | 221.05 |
| 172.0417 | 5.478295 | 180.03 | 100.01 | 374.44 | 558.99 | 8302.04 | 114892.7 | 260.07 |
| 172.3755 | 5.494985 | 192.04 | 99.01 | 387.47 | 455.66 | 7420.26 | 133660.9 | 332.12 |
| 172.7099 | 5.511705 | 130.02 | 141.02 | 398.5 | 500.79 | 9026.64 | 4477 | 250.07 |
| 173.0437 | 5.528395 | 196.04 | 84.01 | 439.61 | 425.57 | 8906 | 144717.8 | 232.06 |
| 173.3775 | 5.545085 | 158.03 | 135.02 | 353.39 | 415.55 | 8188.26 | 182652 | 189.04 |
| 173.7119 | 5.561805 | 158.03 | 105.01 | 362.41 | 463.68 | 8750.57 | 174007.2 | 197.04 |
| 174.0457 | 5.578495 | 153.02 | 133.02 | 348.38 | 376.45 | 7790.66 | 163587.9 | 215.05 |
| 174.3795 | 5.595185 | 140.02 | 101.01 | 478.72 | 624.23 | 8104.03 | 220101.6 | 230.06 |
| 174.7139 | 5.611905 | 137.02 | 112.01 | 358.41 | 551.96 | 10403.48 | 159591.7 | 197.04 |
| 175.0477 | 5.628595 | 239.06 | 98.01 | 390.48 | 445.63 | 11554.33 | 150580.7 | 246.07 |
| 175.3815 | 5.645885 | 199.04 | 94.01 | 429.58 | 473.71 | 9484.63 | 163568.4 | 224.05 |
| 175.7158 | 5.662 | 202.04 | 84.01 | 642.3 | 373.44 | 10045.11 | 154742.8 | 249.07 |
| 176.0497 | 5.678695 | 220.05 | 114.01 | 422.56 | 557.98 | 11034.68 | 156825.3 | 211.05 |
| 176.384 | 5.69541 | 255.07 | 116.01 | 472.71 | 477.72 | 11019.68 | 148886.5 | 183.04 |
| 176.7178 | 5.7121 | 243.06 | 73.01 | 492.77 | 519.85 | 8908.11 | 172336.7 | 186.04 |
| 177.0517 | 5.728795 | 179.03 | 80.01 | 389.48 | 390.48 | 8897.53 | 161290.6 | 247.07 |
| 177.386 | 5.74551 | 204.04 | 109.01 | 355.4 | 713.61 | 9060.52 | 181601.7 | 161.03 |
| 177.7198 | 5.7622 | 204.04 | 86.01 | 414.54 | 364.42 | 9616.33 | 145906.1 | 145.02 |
| 178.0547 | 5.778945 | 174.03 | 87.01 | 454.65 | 455.66 | 9094.41 | 138819.2 | 173.03 |
| 178.389 | 5.79566 | 210.05 | 94.01 | 333.35 | 480.73 | 8892.25 | 192306.4 | 238.06 |
| 178.7228 | 5.81235 | 241.06 | 121.02 | 396.5 | 401.51 | 7632.11 | 126752.6 | 165.03 |
| 179.0566 | 5.82904 | 227.05 | 109.01 | 332.35 | 390.48 | 7356.34 | 215530.6 | 149.02 |
| 179.391 | 5.84576 | 155.03 | 90.01 | 382.46 | 325.33 | 7824.29 | 211755.6 | 195.04 |
| 179.7248 | 5.86245 | 177.03 | 84.01 | 344.37 | 516.84 | 7997.75 | 141486.1 | 197.04 |
| 180.0586 | 5.87914 | 173.03 | 106.01 | 409.53 | 347.38 | 8159.83 | 174084.8 | 201.04 |
| 180.393 | 5.89586 | 148.02 | 105.01 | 435.6 | 395.49 | 12530.49 | 136900.4 | 217.05 |
| 180.7268 | 5.91255 | 158.03 | 94.01 | 328.34 | 380.46 | 7866.32 | 145783.4 | 215.05 |
| 181.0606 | 5.92924 | 169.03 | 100.01 | 376.45 | 412.54 | 7754.95 | 121368.2 | 221.05 |
| 181.3949 | 5.945955 | 185.04 | 94.01 | 313.31 | 460.67 | 8227.23 | 150096.3 | 197.04 |
| 181.7288 | 5.96265 | 132.02 | 86.01 | 329.34 | 330.34 | 8636.47 | 109415 | 194.04 |
| 182.0626 | 5.97934 | 123.02 | 98.01 | 259.21 | 287.26 | 7269.4 | 165457 | 230.06 |
| 182.3969 | 5.996055 | 139.02 | 87.01 | 319.32 | 322.33 | 7547.13 | 138205 | 250.07 |
| 182.7308 | 6.01275 | 125.02 | 92.01 | 261.22 | 354.4 | 8692.45 | 146447.6 | 239.06 |
| 183.0646 | 6.02944 | 94.01 | 85.01 | 262.22 | 260.21 | 8346.31 | 143354 | 308.1 |
| 183.3989 | 6.046155 | 104.01 | 77.01 | 208.14 | 258.21 | 7570.21 | 122594.2 | 212.05 |
| 183.7327 | 6.062845 | 81.01 | . 01 | 205.13 | 241.18 | 6755.06 | 118528.7 | 175.03 |
| 184.0666 | 6.07954 | 62 | 93.01 | 201.13 | 209.14 | 6818.73 | 137201.8 | 166.03 |
| 184.4009 | 6.096255 | 59 | 92.01 | 170.09 | 208.14 | 8266.21 | 115354.6 | 138.02 |
| 184.7347 | 6.112945 | 53 | 114.01 | 151.07 | 160.08 | 6735.23 | 123944.2 | 113.01 |
| 185.0685 | 6.129635 | 52 | 108.01 | 113.04 | 219.15 | 6458.91 | 111551.9 | 139.02 |
| 185.4029 | 6.146355 | 45 | 101.01 | 179.1 | 204.13 | 8664.98 | 130975.3 | 114.01 |
| 185.7367 | 6.163045 | 75.01 | 121.02 | 209.14 | 279.25 | 11882.66 | 133962.6 | 141.02 |
| 186.0715 | 6.179785 | 88.01 | 99.01 | 213.14 | 276.24 | 8174.57 | 108690.3 | 153.03 |
| 186.4059 | 6.196505 | 47 | 98.01 | 200.13 | 256.21 | 6210.11 | 97127.27 | 179.03 |
| 186.7397 | 6.213195 | 52 | 119.01 | 224.16 | 231.17 | 7480.01 | 135874 | 181.04 |
| 187.0735 | 6.229885 | 91.01 | 83.01 | 284.26 | 314.31 | 8804.47 | 111379.4 | 190.04 |
| 187.4079 | 6.246605 | 73.01 | 63 | 237.18 | 187.11 | 6295.43 | 123111.7 | 217.05 |
| 187.7417 | 6.263295 | 82.01 | 85.01 | 295.28 | 251.2 | 6193.47 | 126795.2 | 197.04 |
| 188.0755 | 6.279985 | 83.01 | 80.01 | 217.15 | 231.17 | 6541.23 | 140466.8 | 197.04 |
| 188.4099 | 6.296705 | 69 | 80.01 | 202.13 | 237.18 | 6457.87 | 121271.8 | 193.04 |
| 188.7437 | 6.313395 | 79.01 | 64 | 154.07 | 230.17 | 6447.45 | 116707.4 | 179.03 |
| 189.0775 | 6.330085 | 52 | 103.01 | 165.09 | 216.15 | 6293.35 | 123631 | 199.04 |
| 189.4118 | 6.3468 | 43 | 79.01 | 208.14 | 159.08 | 6060.4 | 124952.5 | 160.03 |
| 189.7457 | 6.363495 | 41 | 80.01 | 107.04 | 151.07 | 7648.91 | 108158.9 | 173.03 |
| 190.08 | 6.38021 | 43 | 86.01 | 126.05 | 24.19 | 5558.22 | 102000.2 | 165.03 |
| 190.4138 | 6.3969 | 38 | 107.01 | 109.04 | 154.08 | 7216.01 | 113060.8 | 136.02 |
| 190.7477 | 6.413595 | 54 | 83.01 | 161.08 | 175.1 | 6786.37 | 134385.6 | 152.02 |
| 191.082 | 6.43031 | 36 | 86.01 | 178.1 | 219.15 | 7509.37 | 140995.3 | 150.02 |
| 191.4158 | 6.447 | 52 | 96.01 | 120.05 | 159.08 | 5744.79 | 111741.1 | 168.03 |
| 191.7496 | 6.46369 | 38 | 94.01 | 129.05 | 196.12 | 7118.69 | 124972.3 | 152.02 |
| 192.084 | 6.48041 | 38 | 74.01 | 171.09 | 195.12 | 9094.41 | 111696.6 | 136.02 |
| 192.4178 | 6.4971 | 44 | 82.01 | 208.14 | 158.08 | 5941.97 | 139232.4 | 128.02 |
| 192.7516 | 6.51379 | 42 | 76.01 | 139.06 | 153.07 | 8006.17 | 137270.5 | 147.02 |


| 193.086 | 6.53051 | 39 | 99.01 | 119.04 | 225.16 | 7021.43 | 109146.1 | 187.04 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 193.4198 | 6.5472 | 31 | 62 | 143.06 | 194.12 | 5618.31 | 123679.8 | 171.03 |  |
| 193.7536 | 6.56389 | 48 | 49 | 157.08 | 93.12 | 8821.39 | 93868.76 | 198.04 |  |
| 194.089 | 6.58066 | 28 | 76.01 | 159.08 | 186.11 | 8322.06 | 111829.4 | 199.04 |  |
| 194.4228 | 6.59735 | 41 | 87.01 | 110.04 | 154.08 | 7154.26 | 123283.6 | 173.03 |  |
| 194.7566 | 6.61404 | 23 | 77.01 | 111.04 | 186.11 | 7434.93 | 127324.2 | 187.04 |  |
| 195.0909 | 6.630755 | 28 | 81.01 | 132.06 | 148.07 | 9556.84 | 122880.5 | 154.03 |  |
| 195.4248 | 6.64745 | 28 | 106.01 | 115.04 | 138.06 | 7677.25 | 140195.8 | 121.02 |  |
| 195.7586 | 6.66414 | 32 | 97.01 | 115.04 | 108.04 | 9120.89 | 139106.3 | 160.03 |  |
| 196.0929 | 6.680855 | 22 | 115.01 | 134.06 | 157.08 | 7836.89 | 106492.3 | 146.02 |  |
| 196.4268 | 6.69755 | 22 | 101.01 | 94.03 | 120.05 | 8416.95 | 102879.4 | 127.02 |  |
| 196.7606 | 6.71424 | 34 | 119.01 | 92.03 | 117.04 | 7209.73 | 126186.8 | 119.02 |  |
| 197.0949 | 6.730955 | 27 | 121.02 | 103.03 | 128.05 | 8403.24 | 101538.2 | 125.02 |  |
| 197.4287 | 6.747645 | 37 | 105.01 | 101.03 | 130.05 | 6137.32 | 102072.9 | 117.01 |  |
| 197.7626 | 6.76434 | 24 | 97.01 | 80.02 | 97.03 | 6709.14 | 122831.2 | 103.01 |  |
| 198.0969 | 6.781055 | 19 | 105.01 | 120.05 | 149.07 | 6051.04 | 135363.9 | 117.01 |  |
| 198.4307 | 6.797745 | 24 | 114.01 | 93.03 | 144.07 | 7708.74 | 108440 | 114.01 |  |
| 198.7645 | 6.814435 | 40 | 122.02 | 98.03 | 139.06 | 5987.67 | 123210.4 | 141.02 |  |
| 199.0989 | 6.831155 | 37 | 91.01 | 116.04 | 147.07 | 6968.12 | 124556.1 | 192.04 |  |
| 199.4327 | 6.847845 | 34 | 74.01 | 102.03 | 132.06 | 8294.66 | 120718.9 | 122.02 |  |
| 199.7665 | 6.864535 | 31 | 84.01 | 113.04 | 114.04 | 8325.22 | 145569.8 | 169.03 |  |
| 200.1009 | 6.881255 | 29 | 90.01 | 115.04 | 141.06 | 6683.05 | 122457.4 | 147.02 |  |
| 200.4347 | 6.897945 | 42 | 100.01 | 72.02 | 128.05 | 7439.12 | 122358.7 | 127.02 |  |
| 200.7685 | 6.914635 | 17 | 96.01 | 108.04 | 142.06 | 9469.77 | 135426.8 | 163.03 |  |
| 201.1028 | 6.93135 | 27 | 109.01 | 119.04 | 118.04 | 7300.82 | 121158.5 | 154.03 |  |
| 201.4367 | 6.948045 | 23 | 99.01 | 115.04 | 150.07 | 7003.66 | 131862.3 | 107.01 |  |
| 201.7715 | 6.964785 | 40 | 86.01 | 122.05 | 150.07 | 8499.24 | 114099 | 151.02 |  |
| 202.1059 | 6.981505 | 36 | 100.01 | 152.07 | 295.28 | 7635.26 | 108389.9 | 159.03 |  |
| 202.4397 | 6.998195 | 42 | 97.01 | 136.06 | 167.09 | 7874.73 | 117814.9 | 197.04 |  |
| 202.7735 | 7.014885 | 68 | 121.02 | 177.1 | 200.13 | 7346.91 | 140253.2 | 159.03 |  |
| 203.1078 | 7.0316 | 57 | 87.01 | 209.14 | 184.11 | 9496.31 | 138206.6 | 185.04 |  |
| 203.4417 | 7.048295 | 31 | 84.01 | 149.07 | 150.07 | 8169.3 | 142969.8 | 158.03 |  |
| 203.776 | 7.06501 | 42 | 85.01 | 139.06 | 190.11 | 7687.75 | 114273.2 | 156.03 |  |
| 204.1098 | 7.0817 | 53 | 81.01 | 164.09 | 229.17 | 8240.92 | 129601.3 | 151.02 |  |
| 204.4436 | 7.09839 | 45 | 77.01 | 84.02 | 184.11 | 8579.45 | 135609.9 | 159.03 |  |
| 204.778 | 7.11511 | 62 | 83.01 | 123.05 | 143.06 | 6200.75 | 108045.5 | 110.01 |  |
| 205.1118 | 7.1318 | 33 | 76.01 | 125.05 | 202.13 | 6597.53 | 121591.6 | 129.02 |  |
| 205.4456 | 7.14849 | 36 | 69 | 171.09 | 155.08 | 7884.19 | 113419.6 | 168.03 |  |
| 205.78 | 7.16521 | 31 | 80.01 | 98.03 | 124.05 | 7146.94 | 138455.2 | 178.03 |  |
| 206.1138 | 7.1819 | 53 | 86.01 | 87.02 | 161.08 | 7240.09 | 98799.46 | 148.02 |  |
| 206.4476 | 7.19859 | 19 | 60 | 100.03 | 128.05 | 5698.13 | 124187.2 | 136.02 |  |
| 206.782 | 7.21531 | 27 | 86.01 | 100.03 | 114.04 | 7524.05 | 121978.5 | 160.03 |  |
| 207.1158 | 7.232 | 24 | 101.01 | 106.04 | 125.05 | 6884.53 | 128895.7 | 154.03 |  |
| 207.4496 | 7.24869 | 24 | 91.01 | 94.03 | 137.06 | 7884.19 | 133198.3 | 122.02 |  |
| 207.7839 | 7.265405 | 33 | 78.01 | 90.03 | 151.07 | 6827.09 | 121752 | 153.03 |  |
| 208.1178 | 7.2821 | 36 | 83.01 | 109.04 | 145.07 | 9014.99 | 115995.5 | 154.03 |  |
| 208.4516 | 7.29879 | 31 | 84.01 | 110.04 | 168.09 | 6825 | 113356.3 | 177.03 |  |
| 208.7859 | 7.315505 | 32 | 94.01 | 106.04 | 96.03 | 7783.31 | 123264.7 | 170.03 |  |
| 209.1198 | 7.3322 | 46 | 69 | 82.02 | 123.05 | 9215.19 | 111357.1 | 149.02 |  |
| 209.4536 | 7.34889 | 30 | 88.01 | 128.05 | 102.03 | 6122.76 | 122846.3 | 213.05 |  |
| 209.7889 | 7.365655 | 30 | 83.01 | 147.07 | 106.04 | 5776.95 | 122754.8 | 208.05 |  |
| 210.1228 | 7.38235 | 29 | 60 | 100.03 | 129.05 | 7166.82 | 147861.5 | 160.03 |  |
| 210.4566 | 7.39904 | 22 | 73.01 | 127.05 | 119.04 | 6578.76 | 130326.8 | 181.04 |  |
| 210.7909 | 7.415755 | 44 | 62 | 83.02 | 154.08 | 6661.15 | 130104.5 | 186.04 |  |
| 211.1247 | 7.432445 | 30 | 58 | 96.03 | 91.03 | 5970.01 | 145023 | 164.03 |  |
| 211.4586 | 7.44914 | 25 | 84.01 | 70.02 | 116.04 | 7203.45 | 120238.3 | 208.05 |  |
| 211.7929 | 7.465855 | 39 | 61 | 128.05 | 139.06 | 8971.6 | 110977.4 | 150.02 |  |
| 212.1267 | 7.882545 | 27 | 86.01 | 104.03 | 132.06 | 7842.15 | 101577.4 | 159.03 |  |
| 212.4605 | 7.499235 | 17 | 82.01 | 95.03 | 153.07 | 6435.99 | 94149.41 | 194.04 |  |
| 212.7949 | 7.515955 | 34 | 81.01 | 81.02 | 106.04 | 6330.82 | 136493.4 | 204.04 |  |
| 213.1287 | 7.532645 | 39 | 115.01 | 121.05 | 139.06 | 6158.11 | 143302.4 | 227.06 |  |
| 213.4625 | 7.549335 | 35 | 91.01 | 75.02 | 163.08 | 7225.43 | 111899.9 | 241.06 |  |
| 213.7969 | 7.566055 | 32 | 98.01 | 122.05 | 187.11 | 7400.35 | 123914.2 | 241.06 |  |
| 214.1307 | 7.582745 | 36 | 94.01 | 106.04 | 175.1 | 7343.76 | 113578.7 | 304.1 |  |
| 214.4645 | 7.599435 | 38 | 110.01 | 122.05 | 158.08 | 5592.41 | 102228.3 | 297.1 |  |
| 214.7988 | 7.61615 | 26 | 87.01 | 112.04 | 156.08 | 9165.38 | 119794.4 | 267.08 |  |


$\begin{array}{ll}193.086 & 6.53051 \\ 193.4198 & 6.5472\end{array}$ $\begin{array}{ll}193.7536 & 6.56389\end{array}$ $\begin{array}{rr}194.089 & 6.58066 \\ 194.4228 & 6.59735\end{array}$ 194.756666 .61404 $\begin{array}{ll}195.0909 & 6.630755 \\ 195.4248 & 6.64745\end{array}$ 195.75866 .66414 196.09296 .680855 196.42686 .69755 197.76266 .76434 198.43076 .797745 198.76456 .814435 199.76656 .864535 200.43476 .897945 200.76856 .914635 | 201.1028 | 6.93135 |
| ---: | ---: |
| 20.1 .4367 |  |
| 6.948045 |  | 201.77156 .964785 $\begin{array}{lr}202.7735 & 7.014885 \\ 203.1078 & 7.0316\end{array}$ 203.4417 7.048295 $\begin{array}{rr}203.776 & 7.06501 \\ 204.1098 & 7.0817\end{array}$ 2044367.09839 $204.778 \quad 7.11511$ $\begin{array}{rr}205.1118 & 7.1318 \\ 205.4456 & 7.14849\end{array}$ 205.787 .16521 $206.4476 \quad 7.19859$ $\begin{array}{ll}206.782 & 7.21531 \\ 207.1158 & 7.232\end{array}$ $\begin{array}{ll}207.4496 & 7.24869 \\ 207.7839 & 7.265405\end{array}$ $208.1178 \quad 7.2821$ $\begin{array}{ll}208.4516 & 7.28879 \\ 7.315505\end{array}$ $\begin{array}{ll}209.4536 & 7.34889 \\ 209.7889 & 7.365655\end{array}$ 210.12287 .38235 $210.4566{ }^{7.39904}$ 210.7909 7.415755 $\begin{array}{ll}211.9929 & 7.445855 \\ 212.1267 & 7.482545\end{array}$ 212.46057 .499235 212.7949

7.5159955
213.1287
7.532645 213.4625 7.549335 $214.7988 \quad 7.61615$
$\begin{array}{llllllr} & 87.01 & 112.04 & 155.08 & 9165.38 & 119994.4 & 267.08\end{array}$


$\begin{array}{llll}0.034196 & 0.24819 & 0.358119 & 0.5748\end{array}$ $\begin{array}{llll}0.031166 & 0.182343 & 0.538543 & 0.61135\end{array}$ $0.035508 \quad 0.0875270 .3767860 .387143$ $\begin{array}{lllll}0.01811 & 0.155763 & 0.40451 & 0.394056 \\ .035832 & 0.211031 & 0.324703 & 0.37165\end{array}$ $\begin{array}{llllll}0.035832 & 0.211031 & 0.32453 & 0.3461 \\ 0.14807 & 0.176962 & 0.315305 & 0.44108\end{array}$ $\begin{array}{lllll}0.014807 & 0.176962 & 0.315305 & 0.441001 \\ 0.01577 & 0.145788 & 0.292086 & 0.266025\end{array}$ $\begin{array}{lllll}0.019631 & 0.24468 & 0.316437 & 0.30590\end{array}$ 0.0200870 .1867990 .2663460 .193716 $\begin{array}{llllll}0.01301 & 0.261981 & 0.361629 & 0.34669\end{array}$ $\begin{array}{lllll}0.012113 & 0.211646 & 0.235515 & 0.237563 \\ 0.027667 & 0.295541 & 0.269054 & 0.26925\end{array}$ $\begin{array}{lllll}0.027667 & 0.225541 & 0.269054 & 0.265239 \\ 0.016968 & 0.258201 & 0.258687 & 0.25639\end{array}$ $\begin{array}{llllll}0.036474 & 0.302922 & 0.347278 & 0.35738\end{array}$ $\begin{array}{llll}0.01762 & 0.253959 & 0.251044 & 0.23157\end{array}$ $\begin{array}{llll}307242 & 0.419112 & 0.423388\end{array}$ | 0.03335 | 0.263819 | 0.254395 | 0.319748 |
| :--- | :--- | :--- | :--- | :--- |

 $\begin{array}{llll}0.032425 & 0.227809 & 0.351699 & 0.3629 \\ 0.024048 & 0.151599 & 0.259509 & 0.26911\end{array}$ $\begin{array}{lllll}0.021031 & 0.174352 & 0.286694 & 0.22619\end{array}$ $\begin{array}{llll}0.023768 & 0.234624 & 0.36352 & 0.360115\end{array}$ $\begin{array}{lllll}0.006476 & 0.177867 & 0.240805 & 0.25617\end{array}$ $\begin{array}{llllllll}0.019531 & 0.265272 & 0.344413 & 0.268553\end{array}$ $\begin{array}{lllll}0.015718 & 0.24882 & 0.346876 & 0.36855\end{array}$ $\begin{array}{llll}0.029205 & 0.175348 & 0.303378 & 0.30369\end{array}$ $\begin{array}{lllll}0.028253 & 0.230776 & 0.421367 & 0.706512 \\ 0.033585 & 0.216364 & 0.365294 & 0.36965\end{array}$ $\begin{array}{lllll}0.064755 & 0.295331 & 0.510395 & 0.48333\end{array}$ $\begin{array}{llllll}0.040685 & 0.158979 & 0.466643 & 0.341244\end{array}$ $\begin{array}{lllll}0.021433 & 0.17768 & 0.386005 & 0.31595\end{array}$ $\begin{array}{llll}0.034402 & 0.191335 & 0.382483 & 0.436654\end{array}$ $\begin{array}{llll}0.042939 & 0.169071 & 0.421428 & 0.499165\end{array}$ $\begin{array}{llll}0.068864 & 0.230968 & 0.419285 & 0.394379\end{array}$ 0.0290030 .1964850 .4005150 .54419 $\begin{array}{llllll}0.027361 & 0.147161 & 0.45939 & 0.33969\end{array}$ $\begin{array}{lllll}0.024499 & 0.192239 & 0.289281 & 0.290627\end{array}$ $\begin{array}{lllll}0.048876 & 0.205848 & 0.253203 & 0.385976\end{array}$ 0.0136160 .1729760 .3703160 .378137 $\begin{array}{lllll}017171 & 0 & 258764 & 0.325064 & 0.304521\end{array}$ $\begin{array}{llllll}0.014993 & 0.201336 & 0.251432 & 0.295416\end{array}$ $\begin{array}{llllllll}0.028028 & 0.195562 & 0.277903 & 0.380923\end{array}$ 0.0239290 .1588570 .2553150 .27556 $0.0256550 .212683 \quad 0.340370 .429333$
 $0.0272710 .2497590 .442003 \quad 0.269573$ 0.0289030 .2479150 .5385210 .29916 $0.022163 \quad 0.1375230 .294416 \quad 0.30333$ $\begin{array}{llllll}0.015499 & 0.188196 & 0.408126 & 0.300978\end{array}$ $\begin{array}{llll}0.042145 & 0.153791 & 0.262436 & 0.399168\end{array}$ $\begin{array}{llll}0.021969 & 0.158596 & 0.339192 & 0.24073 \\ 0.017539 & 0.201507 & 0.204278 & 0.26680\end{array}$ $\begin{array}{lllllll}0.026762 & 0.112018 & 0.301632 & 0.263924\end{array}$ $\begin{array}{lllll}0.018182 & 0.190042 & 0.279911 & 0.284648\end{array}$ 0.0095290 .2195090 .3113240 .41009 $\begin{array}{lllll}0.031509 & 0.220091 & 0.26941 & 0.272984\end{array}$ $\begin{array}{lllll}0.03889 & 0.333413 & 0.415279 & 0.384526\end{array}$ $\begin{array}{lllll}0.027455 & 0.232858 & 0.348434 & 0.445751\end{array}$ $\begin{array}{lllll}0.029375 & 0.224082 & 0.304734 & 0.417513\end{array}$ $\begin{array}{llllll}0.041482 & 0.349795 & 0.461099 & 0.48932\end{array}$ 0.014670 .1647190 .2580890 .29431

$\begin{array}{lllllllll}1000 & 936.6724 & 0.014139 & 0.06067 & 0.03452 & 0.033264 & 4.421282 & 3.76585 & 0.003803\end{array}$ | 1326.696 | 0.014608 | 0.065469 | 0.049812 | 0.073091 | 4.670821 | 4.614477 | 0.0064 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 641.0577 | 0.012594 | 0.033633 | 0.031723 | 0.037515 | 3.883762 | 2.859641 | 0.002328 $\begin{array}{llllllllll}1000 & 809.7123 & 0.013479 & 0.03332 & 0.051634 & 0.030192 & 3.336034 & 3.233458 & 0.003209\end{array}$ $\begin{array}{lllllllll}1000 & 1038.482 & 0.011772 & 0.024302 & 0.04959 & 0.046259 & 4.105326 & 3.914604 & 0.002871\end{array}$ $\begin{array}{llllllll}1000 & 10332.056 & 0.013353 & 0.025993 & 0.042678 & 0.030223 & 4.034914 & 3.42985 \\ 0 & 0.002762\end{array}$ $\begin{array}{lllllllll}1000 & 774.8343 & 0.006675 & 0.02225 & 0.0136 & 0.025364 & 2.593259 & 2.320165 & 0.001181\end{array}$ $\begin{array}{lllllllll}1000 & 1100.612 & 0.003688 & 0.019278 & 0.031571 & 0.029269 & 3.589262 & 3.178028 & 0.002675 \\ 1000 & 919.1827 & 0.007701 & 0.015518 & 0.043004 & 0.021723 & 3.325956 & 2.696508 & 0.001575\end{array}$ $\begin{array}{llllllllll}1000 & 818.7673 & 0.007042 & 0.027134 & 0.030928 & 0.024153 & 3.535149 & 2.93078 & 0.001834\end{array}$ $\begin{array}{lllllllll}1000 & 736.4413 & 0.00413 & 0.024496 & 0.010991 & 0.037215 & 3.52634 & 3.041788 & 0.000608\end{array}$ $\begin{array}{lllllllll}1000 & 1054.782 & 0.003629 & 0.025908 & -0.00276 & 0.018887 & 4.439864 & 3.561995 & 0.00071\end{array}$ $\begin{array}{lllllllll}1000 & 728.0153 & 0.003881 & 0.019151 & 0.024384 & 0.020418 & 3.962878 & 2.752231 & 0.001343\end{array}$ $\begin{array}{llllllll}1000 & 1002.105 & 0.003911 & 0.013582 & 0.021179 & 0.001991 & 5.400863 & 4.515296 \\ 1000 & 1103.325 & 0.0002334 & 0.020133 & 0.002621 & 0.016337 & 4.34875 & 3.700603 \\ 0 & 0.002601\end{array}$

 $\begin{array}{lllllllllll}1000 & 847.6211 & 0.002695 & 0.01249 & 0.021721 & 0.000436 & 3.50148 & 3.057544 & 0.002264\end{array}$ $\begin{array}{llllllll}1000 & 1240.112 & 0.008319 & 0.015001 & 0.027966 & 0.028657 & 4.81113 & 4.684799\end{array} 0.001885$ $\begin{array}{llllllll}1000 & 10777.244 & 0.015019 & 0.023096 & 0.018654 & 0.005565 & 4.161984 & 4.046007\end{array} 0.00162$ $\begin{array}{lllllllll}1000 & 877.0349 & 0.003543 & 0.024857 & 0.038254 & 0.018551 & 3.737829 & 3.189149 & 0.001732\end{array}$ $\begin{array}{lllllllll}1000 & 1053.876 & 0.009599 & 0.01933 & 0.033613 & 0.029117 & 3.685931 & 3.399938 & 0.000985 \\ 1000 & 1104.258 & 0.008418 & 0.024081 & 0.025056 & 0.02435 & 4.093251 & 3.744841 & 0.004919\end{array}$ $\begin{array}{llllllllllll}1000 & 991.211 & 0.004673 & 0.017288 & 0.027545 & 0.009973 & 4.120685 & 3.41855 & 0.003175\end{array}$ $\begin{array}{lllllllllllllll}1000 & 861.8772 & 0.007758 & 0.022455 & 0.013725 & 0.027467 & 3.243813 & 2.659432 & 0.003471\end{array}$ $\begin{array}{lllllllll}1000 & 1000.074 & 0.008738 & 0.022043 & 0.00754 & 0.029565 & 3.844463 & 3.727558 & 0.004925\end{array}$ $\begin{array}{lllllllll}1000 & 1134.705 & 0.001892 & 0.035901 & 0.018559 & 0.024499 & 5.019172 & 4.944823 & 0.005575 \\ 1000 & 808.9382 & 0.007125 & 0.037189 & 0.024109 & 0.05249 & 3.876104 & 3.6059 & 0.06408\end{array}$ $\begin{array}{lllllllll}1000 & 808.9382 & 0.007125 & 0.037189 & 0.024109 & 0.05249 & 3.876104 & 3.64059 & 0.006408\end{array}$ $\begin{array}{llllllll}1000 & 855.3841 & 0.009059 & 0.030391 & 0.012117 & 0.02827 & 4.311379 & 3.968559 \\ 0.008749 \\ 1000 & 901.5655 & 0.013972 & 0.04999 & 0.035537 & 0.033032 & 4.417708 & 4.026162 \\ 0 & 0.012007\end{array}$ $\begin{array}{llllllllll}1000 & 1150.578 & 0.009415 & 0.054462 & 0.078887 & 0.064339 & 4.29425 & 3.968221 & 0.010771\end{array}$ $\begin{array}{llllllllllllllll}1000 & 877.1251 & 0.010228 & 0.038049 & 0.017632 & 0.020864 & 3.191718 & 3.206972 & 0.008658\end{array}$ $\begin{array}{llllllllll}1000 & 1054.795 & 0.008335 & 0.036318 & 0.011324 & 0.042678 & 4.033474 & 3.64375 & 0.008554\end{array}$ $\begin{array}{lllllllll}1000 & 8955.7063 & 0.008578 & 0.027661 & 0.021781 & 0.031532 & 4.268424 & 3.315399 & 0.007084 \\ 1000 & 9477724 & 0.077348 & 0.039924 & 0.015772 & 0.033712 & 3733086 & & 331971\end{array}$ |  | 947.7724 | 0.007348 | 0.039924 | 0.015772 | 0.033712 | 3.733086 | 3.231971 | 0.005486 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 952.6159 & 0.008062 & 0.020265 & 0.02825 & 0.017935 & 3.406649 & 3.451239 & 0.003472 \\ 1000 & 1049.957 & 0.002657 & 0.041594 & 0.033047 & 0.026244 & 5.043164 & 4.146846 & 0.010276\end{array}$ $\begin{array}{llllllllll}1000 & 1110.658 & 0.005595 & 0.041052 & 0.059454 & 0.028691 & 3.682095 & 4.103632 & 0.00545\end{array}$ $\begin{array}{llllllllll}1000 & 866.8546 & 0.01 & 0.029431 & 0.02599 & 0.032992 & 3.545988 & 3.402391 & 0.002996\end{array}$ $\begin{array}{llllllllll}1000 & 1167.6 & 0.012536 & 0.023422 & 0.054883 & 0.026485 & 3.685237 & 3.347759 & 0.004168\end{array}$ $\begin{array}{llllllll}1000 & 822.1732 & 0.007919 & 0.034729 & 0.049002 & 0.04571 & 4.194566 & 3.564991\end{array} 0.003263$ $\begin{array}{lllllllll}1000 & 1313.479 & 0.007799 & 0.047532 & 0.022812 & 0.067405 & 4.384942 & 4.64619 & 0.003063\end{array}$ $\begin{array}{lllllllll}1000 & 976.9722 & 0.009336 & 0.026544 & 0.037193 & 0.022804 & 4.130196 & 3.685852 & 0.00191 \\ 1000 & 1128.35 & 0.009266 & 0.026193 & 0.035207 & 0.015921 & 4.40087 & 3.39561 & 0.006567\end{array}$ $\begin{array}{lllllllll}1000 & 1018.182 & 0.003727 & 0.035171 & 0.016486 & 0.012779 & 3.131189 & 3.366149 & 0.003387\end{array}$ $\begin{array}{lllllllll}1000 & 1074.724 & 0.009187 & 0.031149 & 0.035503 & 0.027726 & 4.116969 & 3.773948 & 0.000298\end{array}$ $\begin{array}{lllllllll}1000 & 775.3429 & 0.007076 & 0.020003 & 0.031041 & 0.039656 & 3.189557 & 3.032829 & 0.003304\end{array}$ $\begin{array}{lllllllll}1000 & 1000.847 & 0.01297 & 0.030211 & 0.046493 & 0.022546 & 3.808809 & 4.29238 & 0.002105 \\ & 1000 & \end{array}$ $\begin{array}{lllllllll}1000 & 954.3934 & 0.010406 & 0.01569 & 0.031141 & 0.031145 & 3.985098 & 2.807083 & 0.002242\end{array}$ $\begin{array}{lllllllll}1000 & 1209.158 & 0.020781 & 0.028397 & 0.02123 & 0.045377 & 3.996201 & 4.241015 & 0.007384\end{array}$ $\begin{array}{lllllllllll}1000 & 1280.597 & 0.021095 & 0.042407 & 0.035472 & 0.023572 & 5.342457 & 4.255482 & 0.002487\end{array}$ $\begin{array}{lllllllll}1000 & 1243.533 & 0.009801 & 0.019749 & 0.012909 & 0.036295 & 3.855776 & 3.197758 & 0.000714\end{array}$ $\begin{array}{llllllllll}1000 & 1193.925 & 0.01411 & 0.03429 & 0.019758 & 0.028773 & 3.837234 & 3.523351 & 0.002184\end{array}$ $\begin{array}{lllllllll}1000 & 11777.141 & 0.014743 & 0.018337 & 0.053261 & 0.013797 & 4.285698 & 3.706834 & 0.003083\end{array}$ $\begin{array}{llllllll}1000 & 1464.189 & 0.012487 & 0.553556 & 0.015497 & 0.028742 & 4.792796 & 3.916112\end{array} 0.0007057$ $\begin{array}{lllllllllllll}1000 & 745.3542 & 0.00663 & 0.02154 & 0.014488 & 0.03294 & 3.313369 & 3.028555 & 0.002633\end{array}$ $\begin{array}{lllllllllll}1000 & 780.4118 & 0.00882 & 0.030414 & 0.016574 & 0.030911 & 3.199149 & 3.484569 & 0.003799\end{array}$ $\begin{array}{llllllllll}1000 & 881.3271 & 0.016595 & 0.039069 & 0.043482 & 0.037666 & 4.616959 & 4.065733 & 0.006546\end{array}$ $\begin{array}{lllllll}1000 & 1299.451 & 0.018568 & 0.030527 & 0.0388286 & 0.020111 & 4.0939 \\ 4.02403 & 0.000808\end{array}$ $\begin{array}{lllllllll}1000 & 1402.602 & 0.023107 & 0.05133 & 0.057613 & 0.039366 & 4.378069 & 4.567491 & 0.003335\end{array}$ $\begin{array}{llllllllll}1000 & 933.2132 & 0.021776 & 0.027642 & 0.043916 & 0.023747 & 3.718705 & 3.683495 & 0.002842\end{array}$ $\begin{array}{lllllllll}1000 & 931.9633 & 0.030652 & 0.042161 & 0.022801 & 0.047476 & 4.01526 & 3.267166 & 0.003217\end{array}$ $\begin{array}{lllllllll}1000 & 1101.443 & 0.038908 & 0.061148 & 0.036643 & 0.051264 & 5.28571 & 4.724465 & 0.004224\end{array}$ $\begin{array}{lllllllll}1000 & 787.6212 & 0.020218 & 0.052126 & 0.014181 & 0.047708 & 3.355798 & 2.846977 & 0.001568\end{array}$

| 1327 | 7.638845 | 39 | 101.01 | 100.03 | 121.05 | 8329.44 | 121360.5 | 257.07 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 15.46 | 7.64956 | 24 | 112 | . 06 | 11 | 6113.41 | 157569.4 | . 5 |
| 215.8008 | 7.66625 | 26 | 100.01 | 147.07 | 128.05 | 6583.97 | 134915.6 | 214.05 |
| 216.1347 | 7.682945 | 23 | 115.01 | 112.04 | 155.08 | 6812.47 | 132189.1 | 183.04 |
| 216.469 | 7.69966 | 34 | 80.01 | 131.05 | 168.09 | 8066.14 | 127082 | . 5 |
| 216.8028 | 7.71635 | 29 | 89.01 | 141.06 | 155.08 | 7628.97 | 99784 | 201.04 |
| 217.1366 | 7.73304 | 23 | 88.01 | 82.02 | 175.1 | 6248.6 | 12462 | 199.04 |
| 217.471 | 7.74976 | 31 | 93.01 | 103.03 | 153.07 | 7240.09 | 130096.5 | 173.03 |
| 217.8058 | 7.7665 | 50 | 100.01 | 8.03 | 121.05 | 8695.62 | 104545 | 2 |
| 218.1396 | 7.78319 | 5 | 94.01 | 79.02 | 44.07 | 6975.4 | 121794 | 175.03 |
| 218.474 | 7.79991 | 34 | 94.01 | 99.03 | 143.06 | 8014.58 | 106236.7 | 175.03 |
| 218.8078 | 7.8166 | 43 | 100.01 | 84.02 | 161.08 | 8994.88 | 113136.5 | 217.05 |
| 219.1416 | 7.83329 | 47 | 13.01 | 33.06 | 78.1 | 9618.46 | 116426 | 04 |
| 219.476 | 7.85001 | 9 | 126.02 | 102.03 | 132.06 | 8594.23 | 115958 | 145.02 |
| 219.8098 | 7.8667 | 0 | 86.01 | 102.03 | 161.08 | 8215.64 | 106423.4 | 184.04 |
| 220.1436 | 7.88339 | 44 | 111.01 | 119.04 | 135.06 | 7845.3 | 131154 | 154.03 |
| 220.478 | 7.90011 | 18 | 69 | 94.0 | 152.07 | 7765.45 | 146791 | 163.03 |
| 220.8118 | 7.9168 | 6 | 70.01 | 96.03 | 198.12 | 6602.74 | 108818 | 167.03 |
| 221.1456 | 7.93349 | 25 | 102.01 | 133.06 | 203.13 | 8297.82 | 140375.6 | 179.03 |
| 221.4799 | 7.950205 | 18 | 119.01 | 76.1 | 156.08 | 6829.18 | 123364.2 | 159.03 |
| 221.8138 | 7.9669 | 8 | 103.01 | 151.07 | 149.07 | 6250.68 | 124790 | 199.04 |
| 222.1476 | 7.98359 | 26 | 123.0 | 173. | 147.0 | 6561.04 | 1100 | 172.03 |
| 222.4819 | 8.000305 | 27 | 118.01 | 148.07 | 220.15 | 7895.75 | 121189. | 142.02 |
| 222.8158 | 8.017 | 26 | 05.01 | 149.07 | 38.06 | 9129.36 | 118366 | . 2 |
| 223.1496 | 8.03369 | 27 | 115.01 | 130.05 | 168.09 | 7345.86 | 121501. | 140.02 |
| 223.4839 | 8.050405 | 42 | 100.01 | 134.06 | 184.11 | 7084.17 | 147908 | 136.02 |
| 223.8177 | 8.067095 | 31 | 130.02 | 179.1 | 14.06 | 6248 | 121623 | 174.03 |
| 224.1516 | 8.08379 | 35 | 99.01 | 114.04 | 163.08 | 8352.63 | 121242. | 184.04 |
| 224.4859 | 8.100505 | 26 | . 01 | 162.08 | 169.09 | 8938.79 | 132522.8 | 183.04 |
| 224.8197 | 8.117195 | 32 | 96.01 | 116.04 | 224.16 | 6708.09 | 136982. | 147 |
| 225.1535 | 8.133885 | 25 | 107.01 | 109.04 | 181.1 | 8313.63 | 1284 | 176.03 |
| 225.4879 | 8.150605 | 28 | 82.01 | 93.03 | 168.09 | 7015.16 | 130685 | 170.03 |
| 225.8227 | 8.167345 | 45 | 106.01 | 122.05 | 183.11 | 8572.06 | 117714.4 | 165.03 |
| 226.1565 | 8.184035 | 55 | 60 | 160.08 | 181.1 | 9022.4 | 139672.3 | 165.03 |
| 226.4909 | 8.200755 | 45 | 81.01 | 142.6 | 81.1 | 8258.8 | 1388 | 208 |
| 226.8247 | 8.217445 | 67 | 117.01 | 148.07 | 176.1 | 9261.83 | 132057 | 159.03 |
| 227.1585 | 8.234135 | 51 | 87.01 | 152.07 | 224.16 | 7706.65 | 185845.8 | 153.03 |
| 227.4929 | 8.250855 | 105.01 | 61 | 119.04 | 170.09 | 8294.66 | 109121 | 173 |
| 227.8267 | 8.267545 | 74.01 | 73.01 | 131.05 | 135.06 | 8033.5 | 125561 | 176. |
| 228.1605 | 8.284235 | 55 | 68 | 134.06 | 199.13 | 7863.17 | 159868.4 | 142.02 |
| 228.4948 | 8.30095 | 58 | 73.01 | 163.08 | 182.1 | 8406.41 | 138013.3 | 198.04 |
| 228.8287 | 8.317645 | 36 | 65 | 101.03 | 224.16 | 6073.91 | 1234 | 191.04 |
| 229.163 | 8.33436 | 47 | 74.01 | 135.06 | 140.06 | 6346.43 | 94784.87 | 164.03 |
| 229.4968 | 8.35105 | 32 | 60 | 133.06 | 194.12 | 7365.77 | 120043.6 | 182.04 |
| 229.8307 | 8.367745 | 38 | 74.01 | 163.08 | 190.11 | 5794.58 | 123175.8 | 189.04 |
| 230.165 | 8.38446 | 15 | 97.01 | 125.05 | 154.08 | 8369.5 | 155867 | 168.03 |
| 230.498 | 8.40115 | 40 | . 01 | 129.0 | 180.1 | 7574.4 | 118500 | 155.03 |
| 230.8326 | 8.41784 | 33 | 101.01 | 133.06 | 177.1 | 7659.4 | 111417.9 | 120.02 |
| 231.167 | 8.43456 | 46 | 102.01 | 128.05 | 151.07 | 7483.16 | 134940 | 174.03 |
| 231.5008 | 8.45125 | 41 | 65 | 96.03 | 153.07 | 7210.78 | 115521.6 | 153.03 |
| 231.8346 | 8.46794 | 42 | 69 | 106.04 | 158.08 | 8574.17 | 167381. | 193.04 |
| 232.169 | 8.48466 | 44 | 79.01 | 91.03 | 150.07 | 7174.14 | 117817.6 | 166.03 |
| 232.5028 | 8.50135 | 53 | 61 | 219.15 | 165.0 | 6139.4 | 173024.9 | 137.02 |
| 232.8366 | 8.51804 | 36 | 66 | 132.06 | 159.08 | 8397.97 | 141061.6 | 150.02 |
| 233.1709 | 8.534755 | 50 | 69 | 141.06 | 187.11 | 7837.95 | 122497.6 | 126.02 |
| 233.5048 | 8.55145 | 33 | 62 | 162.08 | 126.05 | 6802.03 | 162089 | 147.0 |
| 233.8396 | 8.56819 | 41 | 84.01 | 119.04 | 201.13 | 6594.4 | 105663 | 150.02 |
| 234.174 | 8.58491 | 52 | 72.01 | 121.05 | 127.05 | 7669.9 | 116962 | 140.02 |
| 234.5078 | 8.6016 | 72.01 | 60 | 169.09 | 180.1 | 9563.21 | 131652.8 | 170.03 |
| 234.8416 | 8.61829 | 95.01 | 67 | 130.05 | 173.09 | 7653. | 119692 | 138.02 |
| 235.1759 | 8.635005 | 81.01 | 73.01 | 148.07 | 220.15 | 6987.98 | 119421.6 | 161.03 |
| 235.5098 | 8.6517 | 91.01 | 67 | 135.06 | 248.19 | 8827.73 | 120596.7 | 142.02 |
| 235.8426 | 8.66834 | 71.01 | 40 | 168.09 | 187.11 | 6626.73 | 150948.3 | 135.02 |
| 236.1779 | 8.685105 | 40 | 72.01 | 179.1 | 225.16 | 7593.29 | 142153. | 178.0 |
| 236.5117 | 8.701795 | 63 | 64 | 218.15 | 190.11 | 8145.09 | 127087.6 | 154.0 |
| 236.8456 | 8.718 | 71.01 | 59 | 166.0 | 199.13 | 8196 | 124366 | 147 |

215.1327
7.632845
215.467

7.64956 $215.8008 \quad 7.66625$ $\begin{array}{rr}216.1347 & 7.682945 \\ 216.469 & 7.69966\end{array}$ $216.8028 \quad 7.71635$ $\begin{array}{rr}21.1 .1366 \\ 217.471 & 7.74976\end{array}$ $217.8058 \quad 7.7665$ $\begin{array}{ll}218.1396 & 7.78319\end{array}$ $\begin{array}{rr}218.474 & 7.79991 \\ 218.8078 & 7.8166\end{array}$ $219.1416 \quad 7.83329$ $\begin{array}{rr}219.8098 & 7.8667\end{array}$ $\begin{array}{rr}220.1436 & 7.88339 \\ 220.478 & 7.90011\end{array}$ $220.8118 \quad 7.9168$ $\begin{array}{ll}221.1456 & 7.93349 \\ & 221.4799 \\ 7\end{array}$ $221.8138 \quad 7.9669$ 222.48198 .000305 $\begin{array}{rr}222.8158 & 8.017 \\ 223.1496 & 8.03369\end{array}$ 223.48398 .050405 223.81778 .067095 $\begin{array}{ll}224.4859 & 8.100505 \\ 224.8197 & 8117195\end{array}$ $\begin{array}{ll}225.1535 & 8.133885 \\ 225.4879 & 8.150605\end{array}$ 225.82278 .167345 226.490988 .200755 226.82478 .217445 227.1585 8.234135 $\begin{array}{ll}227.4929 & 8.250855 \\ 227.8267 & 8.267545\end{array}$ 228.16058 .284235 $\begin{array}{llr}228.4948 & 8.30095 \\ 228.8287 & 8.317645\end{array}$ $229.163 \quad 8.33436$ 229.496888 .35105 $\begin{array}{lll}230.165 & 8.38446\end{array}$ 230.49888 231.16788 .43456 $\begin{array}{ll}231.5008 & 8.45125 \\ 231.8346 & 8.46794\end{array}$ | 232.1698 |
| ---: | ---: |
| 8.48466 | $\begin{array}{ll}232.5028 & 8.50135 \\ 2328366 & 8.51804\end{array}$ $\begin{array}{ll}232.8366 & 8.51804 \\ 233.1709 & 8.537755\end{array}$ $\begin{array}{lll}233.5048 & 8.55145\end{array}$ $\begin{array}{ll}233.8396 & 8.56819 \\ 234174 & 8.58491\end{array}$ $234.5078 \quad 8.6016$ $\begin{array}{lr}234.8416 & 8.61829 \\ 235.1759 & 8.635005\end{array}$ 235.509888 .6517 236.17798 .685105 $236.8456 \quad 8.71849$




| 4258.87 | 41370.21 |
| :--- | :--- | :--- |
| 4762.84 | 42113.13 | $\begin{array}{lll}4762.84 & 42113.13 \\ 4098.41 & 42555.5 \\ 5897.03 & 36581.89\end{array}$ $\begin{array}{lll}5899.703 & 36551.89 \\ 4922.53 & 33741.92\end{array}$ 4835.638898 .21 4261.938801 .42

4629.47

40292.37 $\begin{array}{ll}4629.47 & 40292.37 \\ 4626.44 & 36238.94\end{array}$ $\begin{array}{ll}4626.44 & 36238.94 \\ 3934.97 & 39848.63\end{array}$ \begin{tabular}{l}
3934.9739848 .63 <br>
$4302.28 \quad 37362.85$ <br>
471434 <br>
\hline

 $\begin{array}{lll}4714.34 & 35210.48 \\ 4 & 704.42 & 33829\end{array}$ $\begin{array}{ll}4704.23 & 38844.92 \\ 4564.82 & 34293.04\end{array}$ $\begin{array}{ll}4564.82 & 342933.04 \\ 4451.71 & 36619.77\end{array}$ $\begin{array}{lll}4451.71 & 36619.77 \\ 4300.26 & 31452.9\end{array}$ $\begin{array}{ll}4300.26 & 31452.9 \\ 4883.11 & 37772.81\end{array}$ $\begin{array}{lll}4583.61 & 36838.46 \\ 43172.81\end{array}$ 

4443.61 \& 36888.46 <br>
472089.94 <br>
51298 <br>
\hline \& 36935.93

 5129.836935 .93 $\begin{array}{lll}4408.29 & 39351.95 \\ 5218.81 & 43022.85\end{array}$ $\begin{array}{lll}5218.81 & 43022.85 \\ 4484.02 & 36523.45\end{array}$ $\begin{array}{lll}4484.02 & 36523.45 \\ 4891.19 & 35408.01\end{array}$ $\begin{array}{ll}4891.19 & 34408.01 \\ 5648.91 & 4157.39\end{array}$ $\begin{array}{lll}5338.18 & 39215.89 \\ 4431.51 & 44657.02\end{array}$ $\begin{array}{ll}4431.51 & 44657.02 \\ 4680.99 & 3923.04\end{array}$ $\begin{array}{lll}4680.99 & 39230.04 \\ 5288.61 & 41153.79\end{array}$ $\begin{array}{ll}5288.61 & 41153.79 \\ 4876.03 & 44994.13\end{array}$ 4986.2245344 .46 $\begin{array}{ll}4986.22 & 45344.46 \\ 5432.29 & 46075.96\end{array}$ 5008.4640595 .71 4449.6941579 .08 $\begin{array}{lll}4646.65 & 37676.25 \\ 5346.28 & 42550.23\end{array}$ $\begin{array}{lll}5346.28 & 42550.23 \\ 4534.52 & 43570.61\end{array}$ $\begin{array}{lll}4537.52 & 43570.61 \\ 4675.94 & 4072.99\end{array}$ 4497.15 41443.47 $\begin{array}{rrr}5102.5 & 43019.55 \\ 5002.39 & 38575.3\end{array}$ $\begin{array}{lll}5002.39 & 38575.3 \\ 4860.87 & 39011.33\end{array}$ $\begin{array}{lll}4860.87 & 39011.33 \\ 4771.93 & 34107.83\end{array}$ $\begin{array}{ll}4771.93 & 34107.83 \\ 4082.26 & 40254.19\end{array}$ $\begin{array}{lll}44 & 4082.26 & 40254.19 \\ & 5340.21 & 43557.43\end{array}$ 

53 \& 5248.14 \& 40089.53 <br>
\hline \& 4682 \& 4336416
\end{tabular} $\begin{array}{r}468243364.16 \\ 5555.77 \\ \hline\end{array}$ 5555.7745005 .02

5479.8642689 5479.8642689 .45
5206.67

43336.71 $\begin{array}{ll}5206.67 & 43336.71 \\ 4568.86 & 39032\end{array}$ $\begin{array}{lll}5155.09 & 44265.27\end{array}$ $\begin{array}{ll}4480.99 & 41812.11 \\ 4450.7 & 39035.26\end{array}$ 4450.7 39035.26 $\begin{array}{lll}4884.12 & 36336.28 \\ 4101.43 & 39819.2\end{array}$ $\begin{array}{ll}4101.43 & 39819.2 \\ 5162.17 & 39129.92\end{array}$ $\begin{array}{lll}5162.17 & 39129.92 \\ 4915.45 & 43992.57\end{array}$ 5179.36 44445.71 4314.3948150 .75 | 4836.61 | 365099.38 |
| :--- | :--- | :--- |
| 455775 |  | $\begin{array}{ll}4557.75 & 39915.11 \\ 4842.68 & 40496.39\end{array}$ $\begin{array}{lll}4842.68 & 40496.39 \\ 4715.35 & 37628.52\end{array}$ $\begin{array}{llll}54 & 4755.35 & 37628.92 \\ 50 & 5326.04 & 44171.79\end{array}$ $\begin{array}{lll}50 & 5363.48 & 38691.61\end{array}$

$\begin{array}{lllll}0.028825 & 0.21387 & 0.253316 & 0.24238\end{array}$ $\begin{array}{llll}0.019337 & 0.326328 & 0.460116 & 0.539615 \\ 0.020423 & 0.267631 & 0.472502 & 0.327252\end{array}$ $\begin{array}{llllll}0.01616 & 0.301383 & 0.347243 & 0.393144\end{array}$ $\begin{array}{llll}0.024729 & 0.170329 & 0.34341 & 0.36328\end{array}$ $\begin{array}{lllll}0.020821 & 0.202985 & 0.391008 & 0.351061\end{array}$ $\begin{array}{lllll}0.017618 & 0.244728 & 0.276361 & 0.490701\end{array}$ $\begin{array}{llllllllll}0.03789 & 0.202631 & 0.237754 & 0.232177\end{array}$ $\begin{array}{llllll}0.049565 & 0.235916 & 0.238409 & 0.353378\end{array}$ $\begin{array}{llllll}0.024888 & 0.205324 & 0.260614 & 0.305113\end{array}$ $\begin{array}{lllll}0.030306 & 0.195889 & 0.196704 & 0.31066\end{array}$ $\begin{array}{llll}0.03172 & 0.209415 & 0.292427 & 0.324805\end{array}$
 $\begin{array}{llllll}0.035783 & 0.251806 & 0.320506 & 0.291942\end{array}$

 $0.020365 \quad 0.1786950 .3066830 .53192$ $\begin{array}{lllll}0.015225 & 0.217024 & 0.338974 & 0.434945\end{array}$ $\begin{array}{lllll}0.010171 & 0.312012 & 0.545979 & 0.395019\end{array}$ $\begin{array}{lllll}0.011112 & 0.291218 & 0.511316 & 0.409857 \\ 0.020495 & 0.336627 & 0.558535 & 0.38456\end{array}$ $\begin{array}{llllll}0.018059 & 0.267401 & 0.396685 & 0.49885\end{array}$ $\begin{array}{lllll}0.014728 & 0.203631 & 0.345407 & 0.25724\end{array}$ $\begin{array}{lllll}0.019411 & 0.279496 & 0.37419 & 0.39890\end{array}$ $\begin{array}{llllll}0.037334 & 0.248731 & 0.400059 & 0.457455\end{array}$ $\begin{array}{llll}0.028022 & 0.375202 & 0.606933 & 0.385158\end{array}$ $\begin{array}{lllll}0.024854 & 0.208629 & 0.2883 & 0.339197 \\ 0.015042 & 0.192776 & 0.383738 & 0.329977\end{array}$ 0.0273140 .2511060 .3653340 .598776 $\begin{array}{llllll}0.015196 & 0.228282 & 0.276857 & 0.38278\end{array}$ 0.0214840 .2013840 .2795510 .41771 $\begin{array}{lllll}0.033697 & 0.219135 & 0.3008 & 0.375782\end{array}$ $\begin{array}{lllll}0.041021 & 0.109236 & 0.375465 & 0.352707\end{array}$ $050488 \quad 0225861$ $\begin{array}{lllll}0.043807 & 0.195902 & 0.417463 & 0.52118\end{array}$ $\begin{array}{lllllll}0.093612 & 0.121161 & 0.303141 & 0.357941\end{array}$ $\begin{array}{llllll}0.065299 & 0.154112 & 0.344804 & 0.28510\end{array}$ $\begin{array}{lllll}0.047069 & 0.145086 & 0.36042 & 0.449135\end{array}$ \begin{tabular}{llll}
0.046927 \& 0.147275 \& 0.410575 \& 0.38086 <br>
\hline 0.035517 \& 0.178248 \& 0.350905 \& 0.661305

 $0.048077 \quad 0.1981440 .449924$ $\begin{array}{llllll}0.024874 & 0.133808 & 0.381873 & 0.466292\end{array}$ $\begin{array}{llllll}0.040035 & 0.217018 & 0.595671 & 0.579342\end{array}$ 

0.005386 \& 0.203572 \& 0.315708 \& 0.31768 <br>
\hline
\end{tabular} $0.032772 \quad 0.2146960 .3600890 .41758$ $\begin{array}{llll}0.029988 & 0.240654 & 0.361637 & 0.437521\end{array}$ $\begin{array}{lllll}0.035551 & 0.150141 & 0.280818 & 0.366024\end{array}$ $0.030845 \quad 0.1353170 .260998 \quad 0.31913$

 $\begin{array}{lllll}0.05764 & 0.163702 & 0.756532 & 0.467842\end{array}$ $\begin{array}{lllllll}0.025687 & 0.131224 & 0.332397 & 0.328138\end{array}$ $\begin{array}{llll}0.042037 & 0.148029 & 0.380582 & 0.42087 \\ 0.028131 & 0.150606 & 0.504304 & 0.311063\end{array}$ $\begin{array}{llllll}0.038875 & 0.220121 & 0.381314 & 0.54144\end{array}$ $\begin{array}{llllll}0.045077 & 0.158889 & 0.333413 & 0.278386\end{array}$ $\begin{array}{lllllll}0.053154 & 0.103058 & 0.374275 & 0.33073\end{array}$ $\begin{array}{lllll}0.090843 & 0.146534 & 0.359166 & 0.395546\end{array}$ $\begin{array}{lllll}0.083211 & 0.177173 & 0.448224 & 0.563662\end{array}$ | 0.075072 | 0.127033 | 0.323444 | 0.5078 |
| :--- | :--- | :--- | :--- | :--- |
| 0.075485 | 0.090163 | 0.536943 | 0.49780 | 0.032690 .1604920 .4994360 .531514 $\begin{array}{llllll}0.053421 & 0.130534 & 0.567602 & 0.412133\end{array}$ $0.061025 \quad 0.1178740 .4288950 .43085$

$\begin{array}{llllllllll}1000 & 878.0186 & 0.020956 & 0.02941 & 0.04709 & 0.052497 & 3.217192 & 3.397317 & 0.000985\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1553.64 & 0.0215156 & 0.063338 & 0.044777 & 0.0288067 & 4.91259 & 4.7712151 \\ 0.0002351 \\ 1000 & 12550.023 & 0.019899 & 0.042118 & 0.042505 & 0.05026 & 3.913854 & 4.390106 \\ 0.000777\end{array}$ $\begin{array}{lllllllllll}1000 & 1169.449 & 0.013942 & 0.052093 & 0.046578 & 0.043382 & 5.476734 & 3.673144 & 0.001204\end{array}$ $\begin{array}{lllllllll}1000 & 949.4733 & 0.015507 & 0.038385 & 0.006824 & 0.014686 & 3.850175 & 2.861337 & 0.002164\end{array}$ $\begin{array}{llllllll}1000 & 788.0487 & 0.014986 & 0.035501 & 0.036682 & 0.036417 & 3.99772 & 3.48765 \\ 0.002288\end{array}$ $\begin{array}{llllllll}1000 & 1201.993 & 0.017953 & 0.052656 & 0.044786 & 0.074233 & 4.291848 & 4.247643 \\ 1000 & 1082.033 & 0.011632 & 0.051694 & 0.074876 & 0.06162 & 4.029787 & 3.806726 \\ 0 & 0.003689\end{array}$ $\begin{array}{lllllllll}1000 & 1082.933 & 0.011632 & 0.051694 & 0.074876 & 0.06162 & 4.029787 & 3.806726 & 0.003689 \\ 1000 & 724.3949 & 0.006099 & 0.061634 & 0.062341 & 0.031949 & 3.352933 & 2.850598 & 0.00449\end{array}$ $\begin{array}{lllllllll}1000 & 1052.233 & 0.012382 & 0.074982 & 0.050861 & 0.074112 & 3.543817 & 3.907662 & 0.003386\end{array}$ $\begin{array}{llllllllllllll}1000 & 798.6881 & 0.010776 & 0.046698 & 0.034916 & 0.043502 & 3.378355 & 3.188784 & 0.002178\end{array}$ $\begin{array}{lllllllll}1000 & 757.9039 & 0.014623 & 0.035859 & 0.018615 & 0.041713 & 3.304072 & 2.677538 & 0.002626\end{array}$ $\begin{array}{llllllll}1000 & 729.3935 & 0.010656 & 0.025468 & 0.021303 & 0.025202 & 3.083095 & 2.762389 \\ 0.005662\end{array}$ $\begin{array}{lllllllll}1000 & 813.0495 & 0.006296 & 0.045053 & 0.019483 & 0.041598 & 3.346487 & 2.729357 & 0.009567\end{array}$ $\begin{array}{lllllllll}1000 & 1007516 & 0.008131 & 0.032873 & 0.021343 & 0.050083 & 3.449609 & 2.742315 & 0.01048\end{array}$ $\begin{array}{lllllllll}1000 & 1139.344 & 0.009461 & 0.023222 & 0.036037 & 0.034637 & 3.966707 & 3.327213 & 0.007808\end{array}$ $\begin{array}{lllllllllll}1000 & 993.0811 & 0.011778 & 0.02927 & 0.019686 & 0.024646 & 4.335396 & 3.816418 & 0.002643\end{array}$ $\begin{array}{llllllllll}1000 & 1019.597 & 0.010926 & 0.015499 & 0.029209 & 0.046285 & 3.377014 & 3.067236 & 0.006935\end{array}$ $\begin{array}{llllllll}1000 & 1088.635 & 0.010129 & 0.028299 & 0.046464 & 0.027718 & 4.742421 & 3.699617 \\ 0\end{array} 0.010233$ $\begin{array}{llllllll}1000 & 1203.169 & 0.017947 & 0.029884 & 0.044771 & 0.050114 & 4.440704 & 4.306477 \\ 1000 & 1011.116 & 0.012672 & 0.039309 & 0.042653 & 0.015357 & 5.023324 & 4.485454 \\ 0.007831\end{array}$ $\begin{array}{llllllll}1000 & 924.9484 & 0.006445 & 0.030207 & 0.0544222 & 0.026216 & 3.576903 & 3.164063\end{array} 0.002992$ $\begin{array}{lllllllllll}1000 & 781.2946 & 0.005927 & 0.037455 & 0.014237 & 0.037219 & 3.379695 & 2.652891 & 0.003263\end{array}$ $\begin{array}{lllllllll}1000 & 996.755 & 0.006634 & 0.04743 & 0.002393 & 0.052284 & 4.862264 & 3.888326 & 0.001116\end{array}$ $\begin{array}{lllllllll}1000 & 12558.445 & 0.006273 & 0.042794 & 0.039503 & 0.041717 & 4.760445 & 3.78658 & 0.002028\end{array}$ $\begin{array}{lllllllll}1000 & 1173.001 & 0.01365 & 0.049552 & 0.074767 & 0.035962 & 4.466028 & 4.888671 & 0.0023 \\ 1000 & 874.7258 & 0.011499 & 0.036294 & 0.033503 & 0.043861 & 3.532542 & 3.212619 & 0.00172\end{array}$ $\begin{array}{lllllllll}1000 & 874.7258 & 0.011499 & 0.036294 & 0.033503 & 0.043861 & 3.532542 & 3.212619 & 0.00172 \\ 1000 & 879.9867 & 0.010625 & 0.025959 & 0.031306 & 0.03108 & 3.737042 & 3.149135 & 0.002643\end{array}$ $\begin{array}{lllllllll}1000 & 1230.756 & 0.008387 & 0.043266 & 0.069644 & 0.024259 & 4.585288 & 4.537142 & 0.001682\end{array}$ $\begin{array}{lllllllllllll}1000 & 931.2663 & 0.010518 & 0.045796 & 0.03366 & 0.040872 & 3.784701 & 3.730768 & 0.003954\end{array}$ $\begin{array}{lllllllll}1000 & 1122.725 & 0.011545 & 0.04045 & 0.039892 & 0.03708 & 4.893366 & 4.492751 & 0.005126\end{array}$ $\begin{array}{lllllllll}1000 & 827.5071 & 0.008821 & 0.036873 & 0.045757 & 0.053077 & 3.687233 & 3.239347 & 0.000957 \\ 1000 & 935017\end{array}$ $\begin{array}{llllllll}1000 & 933.0017 & 0.008381 & 0.027868 & 0.035168 & 0.028829 & 3.105777 & 3.152191\end{array} 0.001251$ $\begin{array}{lllllllll}1000 & 1013.027 & 0.014755 & 0.026531 & 0.042957 & 0.046503 & 3.545988 & 3.120422 & 0.001366 \\ 1000 & 859.2844 & 0.007468 & 0.026449 & 0.018079 & 0.019481 & 3.646637 & 3.142416 & 0.00255\end{array}$ $\begin{array}{lllllllll}1000 & 1453.729 & 0.008138 & 0.03682 & 0.046035 & 0.02571 & 3.706731 & 3.867204 & 0.005466\end{array}$ $\begin{array}{lllllllllll}1000 & 792.6949 & 0.010153 & 0.023299 & 0.038254 & 0.033494 & 3.553327 & 3.358769 & 0.005822\end{array}$ $\begin{array}{llllllllll}1000 & 941.9077 & 0.010885 & 0.024861 & 0.020843 & 0.029072 & 3.526041 & 3.528715 & 0.001789\end{array}$ $\begin{array}{lllllllll}1000 & 1225.503 & 0.006471 & 0.033621 & 0.035589 & 0.045466 & 4.096437 & 3.742278 & 0.004573\end{array}$ $\begin{array}{llllllllll}1000 & 989.4731 & 0.013216 & 0.020682 & 0.042202 & 0.021464 & 3.755267 & 3.138788 & 0.002443\end{array}$ | 1000 | 1224.771 | 0.017053 | 0.042462 | 0.033738 | 0.015131 | 5.048111 | 4.39347 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.004905 |  |  |  |  |  |  |
| 1000 | 899.8066 | 0.011746 | 0.029433 | 0.044096 | 0.017271 | 4.741376 | 3.676256 |
|  | 0.00275 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 982.1233 & 0.012748 & 0.044668 & 0.02782 & 0.028102 & 3.484307 & 3.738217 & 0.005719\end{array}$ $\begin{array}{lllllllll}1000 & 1281.083 & 0.017504 & 0.033353 & 0.022432 & 0.041836 & 5.822337 & 5.141975 & 0.004077\end{array}$ $\begin{array}{llllllllll}1000 & 1122.517 & 0.00942 & 0.028497 & 0.020006 & 0.034252 & 3.96024 & 3.276387 & 0.003191\end{array}$ $\begin{array}{lllllllll}1000 & 942.781 & 0.008564 & 0.028928 & 0.032 & 0.029666 & 3.896401 & 3.916092 & 0.003119\end{array}$ | 1000 | 876.5344 | 0.003556 | 0.026919 | 0.01697 | 0.037428 | 4.585167 | 4.019165 | 0.003487 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}1000 & 9655.4074 & 0.008698 & 0.031284 & 0.0232222 & 0.022567 & 4.559816 & 4.110996\end{array} 0.010119$ $\begin{array}{llllllllll}1000 & 1176.724 & 0.012331 & 0.039126 & 0.01079 & 0.045825 & 3.357341 & 3.113802 & 0.001676\end{array}$ $\begin{array}{llllllllll}1000 & 989.6437 & 0.01069 & 0.024235 & 0.012896 & 0.030087 & 4.536973 & 4.220531 & 0.000713\end{array}$ $\begin{array}{lllllllll}1000 & 1698.925 & 0.007413 & 0.050434 & 0.051686 & 0.043812 & 4.597196 & 4.65866 & 0.002843\end{array}$ $\begin{array}{llllllll}1000 & 1012.363 & 0.007083 & 0.038408 & 0.0244 & 0.046787 & 3.337508 & 3.179407 \\ 0\end{array} 0.002813$ $\begin{array}{lllllllll}1000 & 941.8353 & 0.004298 & 0.032079 & 0.035703 & 0.029798 & 3.930837 & 3.171065 & 0.004194 \\ 1000 & 1436.411 & 0.008271 & 0.035065 & 0.05766 & 0.035638 & 3.791212 & 4.00434 & 0.001659\end{array}$ $\begin{array}{llllllllll}1000 & 965.4757 & 0.009021 & 0.028326 & 0.031074 & 0.013936 & 4.942792 & 4.058941 & 0.001244\end{array}$ $\begin{array}{llllllllll}1000 & 918.9382 & 0.006354 & 0.040368 & 0.031601 & 0.045457 & 4.043187 & 3.887695 & 0.002276\end{array}$ $\begin{array}{lllllllll}1000 & 829.6501 & 0.008469 & 0.035079 & 0.021426 & 0.024422 & 3.419705 & 3.178947 & 0.002147\end{array}$ $\begin{array}{lllllllll}1000 & 942.4798 & 0.006087 & 0.053972 & 0.046357 & 0.032831 & 3.548103 & 4.303637 & 0.005907\end{array}$ $\begin{array}{llllllll}1000 & 1029.859 & 0.010206 & 0.040608 & 0.023962 & 0.023287 & 4.365406 & 3.573777 \\ 1000 & 823.2326 & 0.00647 \\ 1005764 & 0.021891 & 0.001992 & 0.03448 & 3.25282 & 3.09278 & 0.002326\end{array}$ $\begin{array}{lllllllll}1000 & 823.2326 & 0.005764 & 0.021891 & 0.001992 & 0.03448 & 3.25282 & 3.09278 & 0.002326 \\ 1000 & 1372.999 & 0.006543 & 0.040871 & 0.036576 & 0.035245 & 4.609299 & 4.180189 & 0.005892\end{array}$ $\begin{array}{llllllllll}1000 & 1128.338 & 0.011799 & 0.050141 & 0.026986 & 0.03892 & 3.914889 & 3.389662 & 0.005548\end{array}$ $\begin{array}{lllllllll}1000 & 940.3082 & 0.007832 & 0.040394 & 0.015958 & 0.031935 & 4.130736 & 3.709496 & 0.005551\end{array}$ $\begin{array}{llllllllllll}1000 & 914.3613 & 0.006864 & 0.031464 & 0.052424 & 0.031734 & 4.134043 & 3.228818 & 0.004011\end{array}$



$\begin{array}{lllll}0.014705 & 0.226143 & 0.476318 & 0.46738\end{array}$ $\begin{array}{llll}0.037546 & 0.12845 & 0.55319 & 0.57545\end{array}$ $\begin{array}{lllll}0.05238 & 0.240493 & 0.72303 & 0.779026\end{array}$ 0.0374890 .1589610 .7006270 .624342 $\begin{array}{llll}0.054717 & 0.260459 & 1.070832 & 0.933173\end{array}$ $\begin{array}{lllll}0.053286 & 0.133956 & 0.472078 & 0.64599\end{array}$ 0.0464950 .2004240 .830959 $\begin{array}{lllll}0.040182 & 0.178016 & 0.882174 & 0.819155\end{array}$ $\begin{array}{llll}0.046461 & 0.180389 & 0.58184 & 0.91473\end{array}$ $\begin{array}{lllll}0.040962 & 0.118583 & 0.749794 & 0.970618\end{array}$ $\begin{array}{llll}0.045097 & 0.147207 & 0.654562 & 1.021439\end{array}$ $\begin{array}{llll}0.041035 & 0.138665 & 0.725118 & 0.601393\end{array}$ $\begin{array}{lllllllll}0.05798 & 0.174061 & 0.875947 & 0.781617\end{array}$ $\begin{array}{llllll}0.042428 & 0.201803 & 0.879392 & 1.137433\end{array}$ 0.050440 .2669430 .6459490 .627179 $\begin{array}{lllll}0.062402 & 0.192278 & 0.999589 & 0.811031\end{array}$ $\begin{array}{llll}0.043671 & 0.130032 & 0.595791 & 0.87017\end{array}$ $\begin{array}{llll}0.040946 & 0.142031 & 0.777225 & 0.581398 \\ 0.034602 & 0.107196 & 0716975 & 0.769922\end{array}$ $\begin{array}{llllll}0.04822 & 0.129962 & 0.705767 & 0.75190\end{array}$ $\begin{array}{lllll}0.054646 & 0.168556 & 0.751311 & 0.64458\end{array}$ 0.0537350 .1191481 .0137030 .76680 0.0336640 .1792510 .8025360 .74046 $\begin{array}{lllll}0.04441 & 0.185192 & 0.67685 & 0.665944\end{array}$ $\begin{array}{lllll}0.045248 & 0.12426 & 0.744554 & 0.65362 \\ 0.058247 & 0.182803 & 0.742411 & 0.93692\end{array}$ $\begin{array}{llllll}0.036514 & 0.134209 & 0.441123 & 0.56661\end{array}$ $\begin{array}{lllllllllll}0.032333 & 0.159182 & 0.581621 & 0.669858\end{array}$ $\begin{array}{llllll}0.037083 & 0.148138 & 0.596631 & 0.545956\end{array}$ $\begin{array}{llll}0.04022 & 0.17088 & 0.567318 & 0.585737\end{array}$ $\begin{array}{llll}0.072583 & 0.203997 & 0.874365 & 0.741732\end{array}$ $\begin{array}{lllll}0.038087 & 0.141935 & 0.53388 & 0.578423\end{array}$ $0.041263 \quad 0.1298340 .4069970 .56744$ $\begin{array}{llllll}0.057248 & 0.163448 & 0.633821 & 0.565368\end{array}$ $\begin{array}{llllll}0.049751 & 0.141141 & 0.440013 & 0.559725\end{array}$ $\begin{array}{lllll}0.04811 & 0.176657 & 0.6029 & 0.897796\end{array}$ $\begin{array}{lllll}0.042949 & 0.198693 & 0.967567 & 0.79417\end{array}$ $\begin{array}{llllll}0.038528 & 0.097479 & 0.48892 & 0.465516\end{array}$ $0.037457 \quad 0.268778 \quad 0.799236 \quad 0.639878$ $\begin{array}{lllll}0.040745 & 0.158187 & 0.991878 & 1.22112\end{array}$ 0.0318380 .1485870 .6023731 .164128 $\begin{array}{lllll}0.044313 & 0.199865 & 0.813804 & 0.60087\end{array}$ $\begin{array}{llllll}0.04383 & 0.24265 & 1.01793 & 0.61085\end{array}$ $\begin{array}{lllll}0.092253 & 0.23567 & 1.075214 & 1.016152\end{array}$ 0.0902150 .1340710 .8131980 .687915 $0.17436 \quad 0.2163611 .5964981 .228518$ $\begin{array}{lllll}0.136048 & 0.258708 & 1.353263 & 1.079868\end{array}$ $\begin{array}{lllll}0.127507 & 0.175234 & 0.65223 & 0.776304\end{array}$ $\begin{array}{lllll}0.195876 & 0.124657 & 1.176263 & 1.215637 \\ 0.22456 & 0.24392 & 0.906345 & 1.116236\end{array}$ $0.2102990 .1738850 .993032 \quad 1.01406$ $\begin{array}{llllll}0.221573 & 0.178642 & 0.901071 & 1.096818\end{array}$ $\begin{array}{lllllll}0.15764 & 0.166356 & 1.32617 & 0.83397\end{array}$ $\begin{array}{lllll}0.148152 & 0.130874 & 1.114846 & 0.724942\end{array}$ $\begin{array}{lllll}0.074921 & 0.088853 & 0.480955 & 0.480711\end{array}$ $168316 \quad 0.183285 \quad 1.25229640 .841236$ $0.166734 \quad 0.2891831 .0660741 .15111$ $\begin{array}{lllll}0.168754 & 0.201532 & 1.138314 & 1.00249\end{array}$ $\begin{array}{llllllllll}0.226428 & 0.165222 & 1.307442 & 1.32153\end{array}$

$\begin{array}{llllllllllll}1000 & 1346.213 & 0.012146 & 0.039061 & 0.02415 & 0.049008 & 4.018179 & 3.611297 & 0.006965\end{array}$ | 1000 | 11110.262 | 0.0101076 | 0.026964 | 0.0206606 | 0.03092 | 4.062085 | 3.825119 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.0004045 |  |  |  |  |  |  |  | $\begin{array}{llllllllll}1000 & 1163.984 & 0.008361 & 0.063559 & 0.036721 & 0.064907 & 5.63183 & 4.914038 & 0.00498\end{array}$ $\begin{array}{lllllllll}1000 & 836.5401 & 0.011938 & 0.052135 & 0.029046 & 0.04942 & 4.991924 & 3.963291 & 0.004223\end{array}$ $\begin{array}{llllllll}1000 & 10755.903 & 0.015517 & 0.0638871 & 0.101205 & 0.062126 & 4.604667 & 4.988152 \\ 0 & 0.007468\end{array}$ $\begin{array}{lllllllll}1000 & 723.8483 & 0.009544 & 0.046763 & 0.06174 & 0.053184 & 3.381601 & 2.852153 & 0.005473\end{array}$ | 1000 | 1161.461 | 0.01064 | 0.044055 | 0.066857 | 0.041614 | 3.643444 | 3.212548 | 0.003896 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1144.384 & 0.012267 & 0.090009 & 0.048002 & 0.074737 & 3.781811 & 4.33641 & 0.004865\end{array}$ $\begin{array}{llllllllll}1000 & 1099.173 & 0.016141 & 0.077159 & 0.100691 & 0.117871 & 4.295653 & 4.178932 & 0.005126\end{array}$ $\begin{array}{lllllllll}1000 & 845.1733 & 0.014231 & 0.087492 & 0.084438 & 0.087513 & 3.842128 & 3.762075 & 0.005947\end{array}$ $\begin{array}{llllllll}1000 & 1131.149 & 0.013979 & 0.069864 & 0.107445 & 0.104533 & 4.273219 & 3.583351 \\ & 0.003155\end{array}$ $\begin{array}{llllllll}1000 & 1167.365 & 0.008146 & 0.106011 & 0.065891 & 0.095118 & 3.979035 & 3.363886 \\ 1000 & 1081.187 & 0.013804371 \\ 1 & 0.13699 & 0.049472 & 0.139968 & 4.959318 & 4.95022 & 0.004645\end{array}$ $\begin{array}{llllllll}1000 & 1252.532 & 0.008682 & 0.175333 & 0.099597 & 0.158582 & 4.3653 & 4.466658 \\ 0.007112\end{array}$ $\begin{array}{llllllll}1000 & 1036.544 & 0.012528 & 0.141402 & 0.189687 & 0.129263 & 5.600418 & 4.900849\end{array} 0.010265$ $\begin{array}{llllllllll}1000 & 915.1639 & 0.009608 & 0.14573 & 0.100772 & 0.108034 & 4.812651 & 3.912265 & 0.004505\end{array}$ $\begin{array}{lllllllll}1000 & 983.5007 & 0.011365 & 0.166208 & 0.144929 & 0.137669 & 4.733962 & 3.990857 & 0.007509\end{array}$ $\begin{array}{llllllll}1000 & 879.0072 & 0.008922 & 0.103674 & 0.090489 & 0.101749 & 3.866528 & 3.79585 \\ 0\end{array} 0.004607$ $\begin{array}{lllllllll}1000 & 1098.293 & 0.013285 & 0.120912 & 0.104137 & 0.110517 & 3.698818 & 3.28673 & 0.006085 \\ 1000 & 846.8975 & 0.011236 & 0.073483 & 0.08405 & 0.073957 & 3468179 & 3275164 & 0.003437\end{array}$ $\begin{array}{lllllllll}1000 & 989.6786 & 0.008323 & 0.078946 & 0.043366 & 0.089163 & 4.203932 & 3.576561 & 0.007034\end{array}$ $\begin{array}{lllllllll}1000 & 789.1456 & 0.008938 & 0.061784 & 0.054248 & 0.066994 & 3.563837 & 2.835874 & 0.00055\end{array}$ $\begin{array}{lllllllllll}1000 & 961.6201 & 0.009651 & 0.072328 & 0.087081 & 0.083998 & 3.567231 & 3.795057 & 0.002196\end{array}$ $\begin{array}{lllllllll}1000 & 880.5554 & 0.013189 & 0.075765 & 0.053065 & 0.059466 & 4.002615 & 3.851127 & 0.003679\end{array}$ $\begin{array}{llllllll}1000 & 890.4508 & 0.011156 & 0.071678 & 0.035703 & 0.059178 & 3.959802 & 3.324658 \\ 0 & 0.001833\end{array}$ $\begin{array}{llllllll}1000 & 857.3354 & 0.013738 & 0.07246 & 0.015191 & 0.056279 & 4.261686 & 3.332087 \\ 1000 & 12699.986 & 0.01958 & 0.060989 & 0.030256 & 0.055401 & 4.948666 & 4.144719\end{array} 0.003943$ $\begin{array}{llllllllll}1000 & 845.2498 & 0.014712 & 0.064141 & 0.03349 & 0.049142 & 3.498622 & 3.540666 & 0.004303\end{array}$ $\begin{array}{llllllllll}1000 & 1059.445 & 0.016979 & 0.083952 & 0.06748 & 0.070835 & 4.343508 & 3.47889 & 0.004303\end{array}$ $\begin{array}{llllllllll}1000 & 1049.409 & 0.015102 & 0.087877 & 0.046865 & 0.087001 & 3.923402 & 3.893566 & 0.000676\end{array}$ $\begin{array}{lllllllll}1000 & 974.7575 & 0.012378 & 0.075764 & 0.101095 & 0.064646 & 4.21024 & 3.435807 & 0.004334 \\ 1000 & 993.3119 & 0.017428 & 0.102578 & 0.04986 & 0.075141 & 4.693834 & 3.771344 & 0.006354\end{array}$ $\begin{array}{lllllllll}1000 & 993.3119 & 0.017428 & 0.102578 & 0.04986 & 0.075141 & 4.693834 & 3.771344 & 0.006354\end{array}$ $\begin{array}{lllllllll}1000 & 847.4249 & 0.010871 & 0.071224 & 0.131571 & 0.063955 & 4.31966 & 4.122788 & 0.004533 \\ 1000 & 921.697 & 0.011044 & 0.078113 & 0.067277 & 0.080822 & 4.090521 & 4.634776 & 0.005622\end{array}$ $\begin{array}{lllllllll}1000 & 1020.62 & 0.006703 & 0.057828 & 0.061541 & 0.076264 & 4.22698 & 3.807332 & 0.004737\end{array}$ $\begin{array}{lllllllll}1000 & 908.7957 & 0.014655 & 0.057699 & 0.07554 & 0.093637 & 4.929044 & 4.284644 & 0.005157\end{array}$ $\begin{array}{llllllll}1000 & 809.6696 & 0.012229 & 0.05943 & 0.048231 & 0.051068 & 3.882105 & 3.323833 \\ 0.0002997\end{array}$ $\begin{array}{lllllllll}1000 & 1075.284 & 0.014865 & 0.060879 & 0.05312 & 0.062821 & 5.359583 & 4.607509 & 0.00446 \\ 1000 & 1037.918 & 0.015166 & 0.057397 & 0.077764 & 0.065266 & 4.682994 & 4.297422 & 0.006485\end{array}$ $\begin{array}{lllllllll}1000 & 10377.918 & 0.015166 & 0.057397 & 0.0777764 & 0.065266 & 4.682994 & 4.297422 & 0.006485\end{array}$ $\begin{array}{llllllll}1000 & 1028.171 & 0.019644 & 0.075639 & 0.07298 & 0.111893 & 5.353351 & 3.918424 \\ 1000 & 618.8342 & 0.008349 & 0.037028 & 0.027582 & 0.014145 & 2880575 & 2339057 \\ 0.004734\end{array}$ $\begin{array}{llllllllllll}1000 & 1270.885 & 0.010095 & 0.046985 & 0.048748 & 0.062517 & 4.071268 & 3.735879 & 0.001974\end{array}$ $\begin{array}{lllllllll}1000 & 898.3953 & 0.01006 & 0.072864 & 0.060613 & 0.052926 & 4.614093 & 3.827176 & 0.002027\end{array}$ $\begin{array}{lllllllll}1000 & 1139.612 & 0.008756 & 0.067347 & 0.105255 & 0.074596 & 4.710446 & 4.991472 & 0.003242\end{array}$ $\begin{array}{lllllllll}1000 & 938.3557 & 0.012249 & 0.071108 & 0.066472 & 0.066399 & 3.876735 & 3.836457 & 0.003063\end{array}$ $\begin{array}{lllllllll}1000 & 1053.064 & 0.007175 & 0.054509 & 0.101541 & 0.073034 & 3.707653 & 3.927292 & 0.004709 \\ 1000 & 1035.573 & 0.008202 & 0.07347 & 0.065993 & 0.093076 & 4.216597 & 3.795707 & 0.009542\end{array}$ $\begin{array}{lllllllll}1000 & 9556.8508 & 0.008223 & 0.073678 & 0.0440225 & 0.094715 & 4.741176 & 3.594404 & 0.001822\end{array}$ $\begin{array}{lllllllll}1000 & 832.3366 & 0.006946 & 0.082392 & 0.046914 & 0.099043 & 3.28484 & 3.520618 & 0.00423\end{array}$ $\begin{array}{llllllllllllll}1000 & 1131.137 & 0.011016 & 0.134504 & 0.096679 & 0.122957 & 6.036419 & 5.471709 & 0.013642\end{array}$ $\begin{array}{lllllllll}1000 & 1242.788 & 0.007156 & 0.15218 & 0.07982 & 0.090706 & 5.41776 & 5.442289 & 0.010474\end{array}$ $\begin{array}{lllllllll}1000 & 780.4561 & 0.007302 & 0.074837 & 0.036332 & 0.066915 & 3.286473 & 3.067257 & 0.003562 \\ 1000 & 9.065150\end{array}$ $\begin{array}{lllllllll}1000 & 919.106 & 0.011552 & 0.105191 & 0.096079 & 0.07003 & 3.80196 & 3.615527 & 0.006288 \\ 1000 & 1163.129 & 0.010772 & 0.094404 & 0.077759 & 0.134006 & 4.711502 & 5.090487 & 0.009402\end{array}$ $\begin{array}{llllllllll}1000 & 1297.841 & 0.016196 & 0.111967 & 0.088832 & 0.076594 & 5.539734 & 4.807008 & 0.009763\end{array}$ $\begin{array}{lllllllll}1000 & 1069.551 & 0.021505 & 0.082982 & 0.100336 & 0.106451 & 4.62718 & 4.367087 & 0.009102\end{array}$ $\begin{array}{llllllllllll}1000 & 935.9006 & 0.011242 & 0.081194 & 0.082385 & 0.066948 & 3.515382 & 3.798463 & 0.008832\end{array}$ $\begin{array}{llllllllll}1000 & 1006.546 & 0.012194 & 0.087403 & 0.050948 & 0.096 & 4.065535 & 3.35751 & 0.01048\end{array}$ $\begin{array}{lllllllll}1000 & 546.1431 & 0.012262 & 0.043441 & 0.049597 & 0.046029 & 2.487292 & 2.029078 & 0.005716\end{array}$ $\begin{array}{lllllllll}1000 & 1073.098 & 0.01539 & 0.06047 & 0.070469 & 0.052973 & 4.122884 & 3.807602 & 0.007981 \\ 1000 & 854.9458 & 0.012796 & 0.072197 & 0.05329 & 0.060989 & 4.255869 & 3.493774 & 0.005509\end{array}$ $\begin{array}{llllllllll}1000 & 991.1359 & 0.016966 & 0.071206 & 0.042672 & 0.036172 & 5.658732 & 4.524904 & 0.008568\end{array}$ $\begin{array}{lllllllll}1000 & 1237.703 & 0.012989 & 0.058487 & 0.078372 & 0.050738 & 4.58396 & 5.193571 & 0.008616\end{array}$ $\begin{array}{lllllllll}1000 & 1491.537 & 0.029757 & 0.078833 & 0.08845 & 0.076192 & 6.364007 & 4.336337 & 0.003605\end{array}$


| 259.2266 | 9.83754 | 160.03 | 100.01 | 368.43 | 442.62 | 9340.31 | 109223.9 | 264.08 | 109.01 | 9 | 97.01 | 6692.95 | 54275.77 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 259.561 | 9.85426 | 187.04 | 77.01 | 408.53 | 429.58 | 10799.03 | 142205.7 | 228.06 | 97.01 | 10 | 111.01 | 6328.78 | 54652.2 |
| 259.8948 | 9.87095 | 157.0 | 81.01 | 435.6 | 508 | 10501.74 | 145459.1 | 192.04 | 01 | 20 | 93.01 | 5489.98 | 48948.76 |
| 260.2286 | 9.88764 | 141.02 | 117.01 | 531.89 | 788.96 | 7682.5 | 198583.1 | 332.12 | 83.01 | 4 | 67 | 6540.75 | 43515.7 |
| 260.563 | 9.90436 | 175.03 | 134.02 | 333.35 | 338.36 | 9486.75 | 138751.1 | 237.06 | 90.01 | 10 | . 01 | 6043.94 | 53171.78 |
| 260.8968 | 9.92105 | 77.01 | 83.01 | 275.24 | 400.51 | 7595.39 | 122761.6 | 202.04 | 86.01 | 6 | 93.01 | 6352.1 | 47583.3 |
| 261.2306 | 9.93774 | 77.01 | 75.01 | 364.42 | 401.51 | 10096.26 | 114023.7 | 194.04 | 98.01 | 19 | 69.01 | 79.1 | 53597.81 |
| 261.5649 | 9.954455 | 109.01 | 104.01 | 328.34 | 438.61 | 11135.48 | 120635.5 | 176.03 | 110.01 | 20 | 76.0 | 6984.28 | 50877.69 |
| 261.8987 | 9.971145 | 91.01 | 102.01 | 448.64 | 501.8 | 8218.8 | 109213.4 | 183.04 | 124.02 | 14 | 82.01 | 5455.57 | 53010.43 |
| 262.2326 | 9.98784 | 105.01 | 144.02 | 434.6 | 525.87 | 9110.3 | 212619 | 178.03 | 110.01 | 22 | 99.01 | 6607.71 | 52224 |
| 262.5669 | 10.00456 | 9.01 | 116.01 | 469.7 | 628.25 | 8358.96 | 125788.3 | 184.04 | 114.01 | 20 | 105.01 | 7447.56 | 57144.05 |
| 262.9007 | 10.02125 | 96.01 | 81.01 | 398.5 | 473.71 | 10748.73 | 138148.5 | 164.03 | 134.02 | 17 | 120.02 | 6218.27 | 55903.84 |
| 263.2346 | 10.03794 | 122.02 | 93.01 | 407.52 | 623.23 | 9651.4 | 208432.2 | 158.03 | 115.01 | 22 | 111.01 | 6911.18 | 67964.65 |
| 263.5689 | 10.05466 | 121.02 | 74.01 | 433.59 | 451.64 | 10305.27 | 145443.5 | 204.04 | 108.01 | 15 | 119.02 | 7637.67 | 62910.5 |
| 263.9027 | 10.07135 | 136.02 | 113.01 | 432.59 | 631.26 | 8686.11 | 140943.3 | 165.03 | 124.02 | 22 | 86.0 | 7556.33 | 58948.54 |
| 264.2365 | 10.08804 | 86.01 | 90.01 | 446.63 | 617.2 | 8627.12 | 131751.7 | 168.03 | 129.02 | 18 | 108.01 | 6586.41 | 59190.17 |
| 264.5709 | 10.10476 | 99.01 | 89.01 | 553.97 | 472.71 | 9399.72 | 124001.9 | 123.02 | 122.02 | 28 | 117.01 | 7401.82 | 57123.7 |
| 264.9047 | 10.12145 | 88.01 | 101.01 | 469.7 | 825.15 | 8901.77 | 130013 | 177.03 | 115.01 | 16 | 112.01 | 5855.5 | 55260.72 |
| 265.2385 | 10.13814 | 82.01 | 110.01 | 521.86 | 595.12 | 10312.75 | 141525.5 | 137.02 | 111.01 | 24 | 111.01 | 6652.36 | 51577.5 |
| 265.5739 | 10.15491 | 108.01 | 111.01 | 444.62 | 403.51 | 9465.52 | 128885.1 | 159.03 | 86.01 | 16 | 103.01 | 6414.98 | 58031.86 |
| 265.9077 | 10.1716 | 4.01 | 147.02 | 453.65 | 464.68 | 8839.37 | 208945.3 | 118.01 | 91.01 | 20 | 91.01 | 8832.03 | 65548.84 |
| 266.2415 | 10.18829 | 121.02 | 86.01 | 427.58 | 487.75 | 10046.18 | 201503 | 140.02 | 87.01 | 20 | 72.01 | 6917.27 | 58231.14 |
| 266.5759 | 10.20501 | 64 | 126.02 | 389.48 | 618.21 | 10101.59 | 139503.3 | 136.02 | 76.01 | 12 | 88.01 | 7356.08 | 56173.27 |
| 266.9097 | 10.2217 | 9. 01 | 141.02 | 316.32 | 382.46 | 10996.1 | 121746 | 124.02 | 89.01 | 11 | 86.01 | 6374.41 | 58300.22 |
| 267.2435 | 10.23839 | 92.01 | 114.01 | 505.81 | 660.38 | 10799.03 | 136648.5 | 111.01 | 105.01 | 9 | 106.01 | 6504.23 | 61855.07 |
| 267.5779 | 10.25511 | 104.01 | 124.02 | 341.37 | 481.73 | 9482.51 | 198818.5 | 116.01 | 102.01 | 18 | 118.02 | 9198.19 | 56402.24 |
| 267.9117 | 10.2718 | 57 | 79.01 | 404.52 | 422.56 | 9631.21 | 139142.5 | 125.02 | 113.01 | 21 | 90.01 | 6929.45 | 53057.48 |
| 268.2455 | 10.28849 | 81.01 | 104.01 | 414.54 | 486.75 | 10570.13 | 218737 | 123.02 | 145.02 | 18 | 91.01 | 6505.25 | 67459.98 |
| 268.5798 | 10.3052 | 01 | . 01 | 2.62 | 468.69 | 9765.16 | 131882.8 | 141.02 | 112.01 | 15 | 90.01 | 8632.25 | 62130.13 |
| 268.9137 | 10.3219 | 119.01 | 172.03 | 460.67 | 431.59 | 8514.01 | 142176.3 | 145.02 | 115.01 | 18 | 118.02 | 5680.29 | 61559.63 |
| 269.248 | 10.33861 | 79.01 | 160.03 | 319.32 | 641.3 | 9488.88 | 156233.5 | 169.03 | 124.02 | 13 | 118.02 | 6407.88 | 55579.36 |
| 269.5818 | 10.3553 | 64 | 117.01 | 28.25 | 413.54 | 12177.1 | 157843 | 152.02 | 113.01 | 18 | 77.0 | 7573.61 | 55908.34 |
| 269.9156 | 10.37199 | 114.01 | 138.02 | 54.65 | 441.62 | 10285 | 154503 | 136.02 | 104.01 | 19 | 96.01 | 7860.42 | 62062.77 |
| 270.25 | 10.38871 | 82.01 | 135.02 | 782.93 | 444.62 | 11466.18 | 217834.7 | 163.03 | 97.01 | 23 | 113.01 | 9027.83 | 67725.52 |
| 270.5838 | 10.4054 | 106.01 | 139.02 | 691.51 | 466.69 | 12383.42 | 197260.8 | 139.02 | 118.02 | 10 | 96.01 | 8815.72 | 60859.99 |
| 270.9176 | 10.42209 | 144.02 | 124.02 | 4.19 | 74.04 | 8474.97 | 190196.7 | 135.02 | 100.01 | 24 | 93.0 | 7905.19 | 67178.42 |
| 271.252 | 10.43881 | 124.02 | 117.01 | 32.74 | 531.89 | 14160.37 | 156674.7 | 164.03 | 121.02 | 11 | 95.01 | 6490.03 | 61690.79 |
| 271.5858 | 10.4555 | 123.02 | 129.02 | 583.07 | 623.23 | 11363.03 | 189623.1 | 172.03 | 131.02 | 21 | 105.01 | 8899.33 | 68199.24 |
| 271.9196 | 10.47219 | 129.02 | 118.01 | 556.98 | 696.53 | 11048.62 | 165009.2 | 175.03 | 143.02 | 19 | 106.01 | 6999.51 | 63745.96 |
| 272.2539 | 10.48891 | 108.01 | . 01 | 47.76 | 38.72 | 10925.38 | 155398.2 | 182.04 | 104.01 | 17 | 109.01 | 7543.11 | 55740.44 |
| 272.5878 | 10.5056 | 83.01 | 107.01 | 345.38 | 426.57 | 11022.89 | 206187.9 | 148.02 | 120.02 | 28 | 89.01 | 8010 | 52383.49 |
| 272.9216 | 10.52229 | 87.01 | 89.01 | 345.38 | 404.52 | 11448.98 | 149856 | 151.02 | 90.01 | 24 | 104.01 | 6998.5 | 55372.16 |
| 273.2559 | 10.53901 | 4.01 | 88.01 | 547.95 | 476.72 | 10936.09 | 200606.9 | 138.02 | 138.02 | 12 | 115.01 | 7647.84 | 63415.05 |
| 273.5908 | 10.55575 | 83.01 | 84.01 | 527.88 | 480.73 | 8507.68 | 134067.9 | 159.03 | 162.03 | 24 | 79.01 | 7313.4 | 61645.16 |
| 273.9246 | 10.57244 | 69 | 74.01 | 482.74 | 494.77 | 12667.95 | 160723.8 | 154.03 | 125.02 | 18 | 118.02 | 8185.08 | 68468.68 |
| 274.2589 | 10.58916 | 88.01 | 98.01 | 679.46 | 600.14 | 8251.46 | 134036.1 | 150.02 | 112.01 | 9 | 90.01 | 9613.67 | 103821 |
| 274.5928 | 10.60585 | 100.01 | 115.01 | 448.64 | 430.59 | 8640.69 | 236202.3 | 144.02 | 136.02 | 14 | 112.01 | 8090.41 | 80133.43 |
| 274.9266 | 10.62254 | 104.01 | 123.02 | 609.17 | 696.53 | 15101.76 | 197020.9 | 173.03 | 111.01 | 21 | 74.01 | 11608.46 | 64606.98 |
| 275.2609 | 10.63926 | 87.01 | 148.02 | 929.72 | 483.74 | 10792.61 | 1859398 | 202.04 | 107.01 | 24 | 83.01 | 9164.52 | 66142.45 |
| 275.5948 | 10.65595 | 198.04 | 129.02 | 553.97 | 772.89 | 12899.83 | 163187.6 | 192.04 | 123.02 | 17 | 90.01 | 7193.51 | 67881.45 |
| 275.9286 | 10.67264 | 139.02 | 91.01 | 749.77 | 794.99 | 12217.05 | 205593.6 | 260.07 | 120.02 | 14 | 131.02 | 9535.03 | 67244.17 |
| 276.2629 | 10.68936 | 155.03 | 184.04 | 595.12 | 70.58 | 10972.53 | 193952.9 | 222.05 | 79.01 | 14 | 88.01 | 8871.8 | 68087.13 |
| 276.5967 | 10.70605 | 150.02 | 142.02 | 529.89 | 712.6 | 10369.31 | 160542.2 | 236.06 | 83.01 | 19 | 75.01 | 8406.07 | 70229.93 |
| 276.9306 | 10.72274 | 158.03 | 116.01 | 458.66 | 735.71 | 10476.1 | 152483.1 | 224.05 | 102.01 | 13 | 118.02 | 7486.18 | 67655.08 |
| 277.2649 | 10.73946 | 108.01 | 81.01 | 637.28 | 1421.36 | 12526.17 | 123775.4 | 247.07 | 170.03 | 28 | 103.01 | 8459.03 | 62929.94 |
| 277.5987 | 10.75615 | 175.03 | 195.04 | 492.77 | 480.73 | 11728.64 | 171244.6 | 198.04 | 171.03 | 19 | 164.03 | 8859.56 | 74765.27 |
| 277.9326 | 10.77284 | 129.02 | 161.03 | 445.63 | 557.98 | 8219.85 | 207271 | 201.04 | 179.03 | 34 | 173.03 | 11073.34 | 69869.05 |
| 278.2669 | 10.78956 | 184.04 | 130.02 | 626.24 | 886.48 | 10956.45 | 226713.4 | 292.09 | 197.04 | 29 | 152.03 | 8838.15 | 67450.74 |
| 278.6007 | 10.80625 | 150.02 | 112.01 | 438.61 | 594.11 | 9632.27 | 138902.2 | 186.04 | 212.05 | 30 | 156.03 | 8414.21 | 71945.13 |
| 278.9345 | 10.82294 | 141.02 | 126.02 | 511.83 | 544.94 | 10957.52 | 214540.1 | 195.04 | 149.02 | 32 | 147.02 | 8241.08 | 69060.07 |
| 279.2689 | 10.83966 | 129.02 | 94.01 | 518.85 | 776.9 | 10988.6 | 190850.7 | 241.06 | 129.02 | 23 | 151.02 | 9574.86 | 62905.93 |
| 279.6027 | 10.85635 | 126.02 | 96.01 | 634.27 | 601.14 | 8095.61 | 160867 | 238.06 | 161.03 | 38 | 120.02 | 9401.29 | 93662.35 |
| 279.9365 | 10.87304 | 149.02 | 116.01 | 353.39 | 548.95 | 10383.19 | 133801.9 | 246.07 | 157.03 | 10 | 129.02 | 8826.62 | 86914.28 |
| 280.2708 | 10.88975 | 165.03 | 133.02 | 422.56 | 464.68 | 9747.08 | 119534.9 | 288.09 | 139.02 | 19 | 94.01 | 9568.73 | 76684.72 |
| 280.6047 | 10.90645 | 191.04 | 117.01 | 621.22 | 534.9 | 13914.68 | 167713 | 259.07 | 122.02 | 18 | 93.01 | 9447.23 | 69232.65 |
| 280.939 | 10.92316 | 123.02 | 114.01 | 623.23 | 612.18 | 13013.73 | 171496 | 231.06 | 116.01 | 26 | 139.02 | 9519.7 | 98499.14 |


$\begin{array}{lllll}0.130996 & 0.188643 & 0.837282 & 0.883127\end{array}$ $\begin{array}{llll}0.133622 & 0.1218292 & 0.8383175 & 0.883127\end{array}$ $\begin{array}{llllll}0.114186 & 0.13267 & 0.880756 & 0.907569\end{array}$ $0.13916 \quad 0.2722991 .4706891 .94716$ 0.1418210 .25530 .7456810 .65658 $\begin{array}{llll}0.072276 & 0.188552 & 0.768612 & 0.978632\end{array}$ $\begin{array}{llll}0.054371 & 0.126466 & 0.766134 & 0.73814\end{array}$ 0806340.219111 $\begin{array}{lllll}0.08523 & 0.287151 & 1.012957 & 1.08245\end{array}$ $\begin{array}{lllll}0.07831 & 0.247938 & 1.19336 & 1.4170\end{array}$ $\begin{array}{llllllll}0.065433 & 0.129621 & 0.787081 & 0.823433\end{array}$ $\begin{array}{llll}0.094772 & 0.168488 & 0.896463 & 1.217191\end{array}$ | 0.087969 | 0.122018 | 0.8934 | 0.81738 |
| :--- | :--- | :--- | :--- | :--- | | 0.072108 | 0.181746 | 1.099366 | 1.34818 |
| :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.077419 & 0.164741 & 1.251957 & 0.93956\end{array}$ $0.071709 \quad 0.2001181 .1205831 .75914$ $\begin{array}{llll}0.057169 & 0.18967 & 1.074859 & 1.08632\end{array}$ 0.0846060 .2086990 .9974610 .791398 $\begin{array}{llllll}0.077731 & 0.30254 & 1.089862 & 0.98153 \\ 0.090238 & 0.148344 & 0.903715 & 0.00809\end{array}$ 0438770.2243910 .8185111 .153312 0.0587890 .2326070 .6103670 .64414 $\begin{array}{llll}0.062119 & 0.188316 & 0.994832 & 1.15447\end{array}$ $0.0810270 .234949 \quad 0.764010 .94978$ $\begin{array}{lllll}0.040115 & 0.140633 & 0.891716 & 0.816\end{array}$ $\begin{array}{lllll}0.055008 & 0.174036 & 0.832667 & 0.861247 \\ 0.05039 & 0.158576 & 0.962494 & 0.89642\end{array}$ $\begin{array}{lllll}0.104561 & 0.371108 & 1.149059 & 0.94374\end{array}$ $0.059564 \quad 0.3084350 .714056 \quad 1.274934$ $0.036398 \quad 0.1717831 .0961630 .63111$ $\begin{array}{llll}0.082605 & 0.24303 & 0.938726 & 0.800119\end{array}$ $\begin{array}{llll}0.051418 & 0.212915 & 1.451144 & 0.722756\end{array}$ 1290220.2628851 .539765127372 $0.065740 .1477220 .724002 \quad 0.70462$ $\begin{array}{lllll}0.08121 & 0.204602 & 1.090108 & 1.03382\end{array}$ $\begin{array}{llllll}0.087934 & 0.191087 & 1.070892 & 1.19177\end{array}$ $\begin{array}{llll}0.0733 & 0.157719 & 1.454493 & 1.280028\end{array}$ $\begin{array}{lllll}0.054223 & 0.172168 & 0.664973 & 0.72010\end{array}$ $0.062825 \quad 01398211.0643450814656$ $0.070255 \quad 0.170612 \quad 1.317996 \quad 1.05635$ 0.0381950 .0992580 .8093050 .73087 $\begin{array}{llllllll}0.077361 & 0.208836 & 1.749778 & 1.369515\end{array}$ $\begin{array}{llll}0.085161 & 0.237607 & 1.102589 & 0.927669\end{array}$ $\begin{array}{lllll}0.058391 & 0.249579 & 1.831092 & 0.838088\end{array}$ $\begin{array}{llllll}0.118788 & 0.180225 & 0.912235 & 1.13540\end{array}$ $\begin{array}{lllll}0.086174 & 0.129924 & 1.304201 & 1.2339\end{array}$ $0.107805 \quad 0.3091891 .1522731 .22131$ $0.110151 \quad 0.248541 .085472 \quad 1.2998$ $\begin{array}{lllll}0.115241 & 0.197826 & 0.929745 & 1.329363\end{array}$ $\begin{array}{lllll}0.11471 & 0.307454 & 0.89232 & 0.72672\end{array}$ $\begin{array}{lllll}0.118199 & 0.358421 & 1.151255 & 1.27541\end{array}$ 0.1294770 .2139661 .2143941 .5376 $0.11858 \quad 0.20710 .9669171 .161041$ $\begin{array}{lllll}0.097563 & 0.206861 & 0.99213 & 0.93367\end{array}$ 0.0884140 .1497481 .0029161 .33994 $1109221 \quad 0.1995970 .7223590 .992814$ $\begin{array}{llllll}0.129696 & 0.24649 & 0.920492 & 0.89011\end{array}$ $\begin{array}{lllll}0.106036 & 0.15033 & 0.948521 & 0.721255\end{array}$ $0.070908 \quad 0.1562651 .0174790 .88623$

$\begin{array}{lllllllll}1000 & 704.6032 & 0.019494 & 0.074682 & 0.033971 & 0.072407 & 4.541129 & 3.974696 & 0.008142\end{array}$

 $\begin{array}{llllllllll}1000 & 1558.311 & 0.033221 & 0.068921 & 0.016919 & 0.05345 & 5.394077 & 3.874474 & 0.00468\end{array}$ $\begin{array}{lllllllll}1000 & 881.4714 & 0.016132 & 0.060582 & 0.037396 & 0.06009 & 4.032049 & 3.833735 & 0.005091\end{array}$ $\begin{array}{lllllllll}1000 & 974.0141 & 0.015193 & 0.072265 & 0.026978 & 0.084381 & 5.296574 & 4.285238 & 0.003922\end{array}$ $\begin{array}{lllllllll}1000 & 680.5177 & 0.010578 & 0.062046 & 0.068555 & 0.042432 & 3.111888 & 3.63113 & 0.005394\end{array}$ $\begin{array}{lllllllll}1000 & 652.8171 & 0.007852 & 0.063222 & 0.065502 & 0.044037 & 3.976843 & 3.125137 & 0.002952\end{array}$ $\begin{array}{lllllllll}1000 & 1406.991 & 0.009834 & 0.077277 & 0.08829 & 0.076179 & 4.595757 & 3.921056 & 0.008348\end{array}$ $\begin{array}{lllllllllll}1000 & 906.8705 & 0.011491 & 0.087318 & 0.087263 & 0.089382 & 5.653603 & 4.676104 & 0.007253\end{array}$ $10007774.5880 .0069350 .0799370 .0574030 .081871 \quad 3.662675$ 3.557435 00.006214 $\begin{array}{lllllll}1000 & 1301.933 & 0.007055 & 0.076293 & 0.083339 & 0.082915 & 4.539826 \\ 4.8167716 & 0.0046884\end{array}$ | 1000 | 850.6235 | 0.0114406 | 0.067061 | 0.052603 | 0.084535 | 4.704089 | 4.175598 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.0088876 |  |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 920.375 & 0.009139 & 0.095851 & 0.0758564 & 0.0696882 & 4.8373342 & 4.6492967 & 0.0084458\end{array}$ $\begin{array}{lllllllll}1000 & 794.9838 & 0.003241 & 0.083157 & 0.109485 & 0.090787 & 4.996324 & 4.156813 & 0.005138\end{array}$ $\begin{array}{llllllll}1000 & 880.1924 & 0.009943 & 0.082719 & 0.065106 & 0.090893 & 4.161215 & 4.246215\end{array} 0.00785$ $\begin{array}{llllllll}1000 & 827.0902 & 0.004413 & 0.068893 & 0.08526 & 0.077597 & 4.087622 & 3.420896 \\ 0.006776\end{array}$ $\begin{array}{llllllll}1000 & 820.5756 & 0.007307 & 0.057986 & 0.061228 & 0.077061 & 4.292618 & 4.19354 \\ 0 & 0.007057\end{array}$ $\begin{array}{lllllllll}1000 & 1425.052 & 0.002837 & 0.065751 & 0.082519 & 0.070501 & 6.351307 & 5.072318 & 0.007906 \\ 1000 & 1209.161 & 0.004851 & 0.055277 & 0.072605 & 0.045288 & 4.365297 & 3.964698 & 0.002965\end{array}$ $\begin{array}{llllllllll}1000 & 832.306 & 0.004399 & 0.047935 & 0.042537 & 0.059062 & 4.620082 & 3.803605 & 0.004475\end{array}$ $\begin{array}{lllllllllllll}1000 & 667.1842 & 0.002868 & 0.051677 & 0.035669 & 0.052647 & 3.671382 & 3.626463 & 0.006635\end{array}$ $\begin{array}{lllllllllll}1000 & 762.601 & 0.001625 & 0.062198 & 0.029382 & 0.070004 & 3.815523 & 3.917809 & 0.002473\end{array}$ $\begin{array}{llllllll}1000 & 1263.969 & 0.002418 & 0.06879 & 0.06902 & 0.090937 & 6.168258 & 4.068474 \\ 0.007044\end{array}$ $\begin{array}{lllllllll}1000 & 870.7001 & 0.003386 & 0.075111 & 0.079624 & 0.063785 & 4.561516 & 3.768108 & 0.005655\end{array}$ $\begin{array}{lllllllll}1000 & 1247.566 & 0.002882 & 0.088015 & 0.061917 & 0.058956 & 3.898777 & 4.365358 & 0.004861 \\ 1000 & 813.9108 & 0.005101 & 0.073418 & 0.055512 & 0.06291 & 5.617827 & 4.351914 & 0.004945\end{array}$ $\begin{array}{llllllllll}1000 & 1006.461 & 0.006355 & 0.086487 & 0.076872 & 0.101283 & 4.218708 & 4.945685 & 0.009657\end{array}$ $\begin{array}{llllllllll}1000 & 992.4086 & 0.008422 & 0.083738 & 0.049232 & 0.090876 & 4.277248 & 4.006425 & 0.009315\end{array}$ $\begin{array}{lllllllll}1000 & 781.2768 & 0.005061 & 0.059406 & 0.053746 & 0.040997 & 3.947169 & 3.140364 & 0.003966\end{array}$ $\begin{array}{rllllllll}1000 & 905.4329 & 0.004322 & 0.064679 & 0.067277 & 0.064895 & 4.852328 & 4.12745 & 0.005895 \\ 1000 & 1145.316 & 0.006407 & 0.054069 & 0.073415 & 0.071335 & 5.005702 & 4.040024 & 0.007977\end{array}$ $\begin{array}{lllllllll}1000 & 1145.316 & 0.006407 & 0.054069 & 0.073415 & 0.071335 & 5.005702 & 4.040024 & 0.007977 \\ 1000 & 960.2606 & 0.003848 & 0.061031\end{array}$ $\begin{array}{llllllll}1000 & 960.2606 & 0.003848 & 0.061031 & 0.028648 & 0.053897 & 4.524993 & 3.36154 \\ 0.003153 \\ 1000 & 1352.888 & 0.005116 & 0.075443 & 0.103751 & 0.075622 & 5.92269 & 5.421966 \\ 0.008973\end{array}$ $\begin{array}{lllllllll}1000 & 666.868 & 0.005264 & 0.054741 & 0.027698 & 0.046508 & 2.903302 & 2.979805 & 0.005806\end{array}$ $\begin{array}{llllllllll}1000 & 1005.956 & 0.007317 & 0.073908 & 0.067487 & 0.06575 & 4.978586 & 4.105218 & 0.003164\end{array}$

 $\begin{array}{lllllllll}1000 & 857.299 & 0.008594 & 0.060887 & 0.056475 & 0.071625 & 4.381529 & 3.48968 & 0.004985\end{array}$ $\begin{array}{lllllllll}11200 & 1127.647 & 0.005201 & 0.069738 & 0.093362 & 0.054928 & 4.614544 & 3.2505 & 0.00578\end{array}$ $\begin{array}{llllllll}1000 & 788.8888 & 0.005289 & 0.050198 & 0.076798 & 0.064483 & 3.875906 & 3.308068 \\ 1000 & 1105.814 & 0.00426295 \\ 10.080931 & 0.039291 & 0.076412 & 4.438685 & 3.966272 & 0.004698\end{array}$ $\begin{array}{llllllllll}1000 & 949.72 & 0.00813 & 0.122279 & 0.103352 & 0.060763 & 5.453575 & 4.956242 & 0.008939\end{array}$ $\begin{array}{llllllll}1000 & 764.7188 & 0.005036 & 0.063232 & 0.051663 & 0.068068 & 4.103926 & 3.696852\end{array} 0.004056$ $\begin{array}{llllllll}1000 & 978.9816 & 0.007209 & 0.086888 & 0.038454 & 0.074452 & 7.411731 & 8.606417 \\ 0.0066\end{array}$ $\begin{array}{llllllll}1000 & 1648.106 & 0.006138 & 0.100937 & 0.058402 & 0.09364 & 5.94663 & 6.343514 \\ 1000 & 786.4413 & 0.0095772 \\ 0.0047044 & 0.050778 & 0.031298 & 4.896984 & 2.926119 & 0.006261\end{array}$ $\begin{array}{lllllllll}1000 & 786.4413 & 0.005576 & 0.047044 & 0.050778 & 0.031298 & 4.896984 & 2.926119 & 0.006261 \\ 1000 & 1038.543 & 0.010692 & 0.063433 & 0.081469 & 0.051178 & 5.399408 & 4.19186 & 0.007903\end{array}$ $\begin{array}{llllllll}1000 & 762.4921 & 0.008112 & 0.0661093 & 0.04783 & 0.047622 & 3.536942 & 3.599257 \\ & 0.00733\end{array}$ $\begin{array}{llllllllll}1000 & 1014.48 & 0.014551 & 0.062921 & 0.041304 & 0.080001 & 4.964402 & 3.76475 & 0.004962\end{array}$ $\begin{array}{llllllllllllll}1000 & 1065.562 & 0.012477 & 0.045897 & 0.045989 & 0.054373 & 5.139687 & 4.244344 & 0.007212\end{array}$ $\begin{array}{llllllll}1000 & 933.2013 & 0.014655 & 0.051061 & 0.06673 & 0.046438 & 5.150519 & 4.632627 \\ 0\end{array} 0.008821$
 $\begin{array}{lllllllll}1000 & 595.453 & 0.013076 & 0.087176 & 0.082156 & 0.05823 & 4.29071 & 3.436257 & 0.009272 \\ 1000 & 880.0761 & 0.009472 & 0.093656 & 0.058995 & 0.10825 & 4.801619 & 4.360156 & 0.010691\end{array}$ $\begin{array}{llllllllll}1000 & 1520.184 & 0.013908 & 0.139932 & 0.15255 & 0.164158 & 8.579707 & 5.814174 & 0.031767\end{array}$ $\begin{array}{llllllllllllllllllllll}1000 & 1247.486 & 0.019366 & 0.115604 & 0.097347 & 0.106183 & 5.127524 & 4.210844 & 0.012852\end{array}$ $\begin{array}{lllllllll}1000 & 869.0993 & 0.010195 & 0.141571 & 0.114621 & 0.124459 & 5.550093 & 5.108946 & 0.014299\end{array}$ $\begin{array}{lllllllll}1000 & 1180.352 & 0.009844 & 0.087263 & 0.107595 & 0.102125 & 4.777392 & 4.310892 & 0.016509\end{array}$ $\begin{array}{lllllllll}1000 & 1046.975 & 0.014318 & 0.07525 & 0.076606 & 0.105059 & 5.542702 & 3.915626 & 0.007482 \\ 1000 & 1197.753 & 0.019037 & 0.127706 & 0.173403 & 0.108705 & 7386099 & 7.913784 & 0.01968\end{array}$ $\begin{array}{lllllllll}1000 & 1197.753 & 0.019037 & 0.127706 & 0.173403 & 0.108705 & 7.386099 & 7.913784 & 0.01968 \\ 1000 & 776.609 & 0.015672 & 0.097077 & 0.034167 & 0.092427 & 5.403522 & 5.725531 & 0.012373\end{array}$ $\begin{array}{lllllllll}1000 & 739.0053 & 0.021328 & 0.091468 & 0.07099 & 0.06666 & 6.24474 & 5.381365 & 0.01413\end{array}$ $\begin{array}{lllllllll}1000 & 726.4935 & 0.012698 & 0.056173 & 0.047034 & 0.046057 & 4.318197 & 3.403148 & 0.010784\end{array}$ $\begin{array}{llllllllllll}1000 & 794.3273 & 0.011264 & 0.057077 & 0.07332 & 0.080545 & 4.652915 & 5.176987 & 0.008924\end{array}$


| 0.123891 | 0.166787 | 0.948504 | 0.83752 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.119786 & 0.152016 & 1.871141 & 1.69498 \\ 0.175558 & 0.164437 & 1.207179 & 1.36057\end{array}$ $\begin{array}{llllll}0.071458 & 0.110247 & 0.706805 & 0.738122\end{array}$ $\begin{array}{llllll}0.121472 & 0.180194 & 0.927779 & 1.257013\end{array}$ $\begin{array}{llll}0.093257 & 0.146247 & 0.919043 & 0.867396\end{array}$ $\begin{array}{lllll}0.086417 & 0.218375 & 1.25018 & 0.93473\end{array}$ $\begin{array}{lllll}0.155427 & 0.178865 & 0.814842 & 0.622675\end{array}$ $\begin{array}{lllll}0.074633 & 0.196248 & 1.556195 & 0.9202\end{array}$ $\begin{array}{llllll}0.053824 & 0.201437 & 0.803218 & 0.95096\end{array}$ 0.0717090 .1885380 .9573560 .898073 $\begin{array}{llll}0.048543 & 0.157026 & 1.025692 & 1.0031\end{array}$ $\begin{array}{llll}0.075914 & 0.211095 & 1.243458 & 0.979164 \\ 0.069052 & 0.12749 & 0.743218 & 1.26358 \\ 0.0865\end{array}$ 0816710.1480550 .870389 $\begin{array}{lllll}0.105128 & 0.18297 & 1.428871 & 1.065445\end{array}$ $\begin{array}{lllll}0.101732 & 0.201816 & 1.13973 & 2.66111\end{array}$ $\begin{array}{lllll}0.095539 & 0.206904 & 0.904141 & 2.146461\end{array}$ $\begin{array}{llll}0.088521 & 0.263968 & 1.324208 & 1.041174\end{array}$ $\begin{array}{llll}0.107 & 0.250008 & 1.488144 & 1.670719 \\ 0.072898 & 0.126207 & 1.029884 & 0.989611\end{array}$ $\begin{array}{llllll}0.118571 & 0.145338 & 1.052749 & 1.625646\end{array}$ 0.0984980 .1630131 .5293360 .96081 $0.134177 \quad 0.2758051 .313304 \quad 2.19343$ 0.0918260 .1783431 .2361010 .986197 $\begin{array}{lllll}0.140517 & 0.256517 & 1.24389 & 1.748238\end{array}$ | 0.139252 | 0.253849 | 1.270674 | 1.311725 |
| :--- | :--- | :--- | :--- |
| 0.087758 | 0.17035 | 1.123223 | 1.30146 | $\begin{array}{lllll}0.092462 & 0.238733 & 1.053105 & 1.194252\end{array}$ $0.069153 \quad 0.139080 .704138 \quad 0.83522$ $\begin{array}{lllll}0.113545 & 0.151229 & 1.482767 & 0.961555\end{array}$ $0.074327 \quad 0.161015 \quad 0.66078 \quad 1.021979$ 0.1216080 .220454

 $\begin{array}{lllll}0.11741 & 0.208721 & 1.485841 & 0.87979\end{array}$ $0.101984 \quad 0.1596520 .6838851 .017356$ $\begin{array}{llllll}0.049046 & 0.092236 & 0.754483 & 1.187473\end{array}$ $\begin{array}{lllll}0.088501 & 0.196638 & 1.275988 & 1.591454\end{array}$ $\begin{array}{lllll}0.070977 & 0.09332 & 0.748335 & 0.553484\end{array}$ $\begin{array}{llll}0.068328 & 0.198499 & 1.395625 & 0.926533\end{array}$ $0.056522 \quad 0.099262 \quad 0.759096 \quad 0.97322$ $0.059595 \quad 0.1111740 .9898710 .86726$ $\begin{array}{llllll}0.058043 & 0.202961 & 1.497782 & 1.301473\end{array}$ $\begin{array}{lllll}0.079369 & 0.098539 & 0.835695 & 0.882586\end{array}$ $\begin{array}{llll}0.164495 & 0.235362 & 1.483718 & 1784016\end{array}$ $\begin{array}{llllll}0.163328 & 0.22238 & 1.716585 & 0.962316\end{array}$ . 1659990.1101421 .0598961 .167994 $\begin{array}{lllll}0.100423 & 0.149181 & 1.201932 & 1.368474\end{array}$ $0.14121 \quad 0.1831140 .8039231 .87097$ 0.0860220 .1318021 .1794851 .005913 0.111151 $0.1010680 .151898 \quad 0.961169 \quad 0.62558$ 0.1266810 .2166240 .7681890 .883073 0.0862210 .1578750 .6836430 .652165 $\begin{array}{llll}0.101324 & 0.144567 & 0.736083 & 1.162102\end{array}$ 0.0852730 .1529590 .8198680 .585902 01079010.1583940 .7914120 .7329 $\begin{array}{lllll}0.116006 & 0.222929 & 1.004819 & 1.08639\end{array}$ 0.1477240 .1716380 .9318710 .82952 $\begin{array}{llllllllllllll}0.159564 & 0.217115 & 1.743987 & 1.11229\end{array}$

 $\begin{array}{lllllllll}1000 & 664.5562 & 0.010402 & 0.040372 & 0.036526 & 0.051583 & 2.480562 & 2.415211 & 0.007342\end{array}$ $\begin{array}{llllllll}1000 & 1105.036 & 0.01449 & 0.094866 & 0.05993 & 0.106563 & 6.945342 & 5.002817\end{array} 0.019663$ $\begin{array}{llllllll}1000 & 1101.529 & 0.014199 & 0.111338 & 0.0603 & 0.087605 & 5.267737 & 3.921044 \\ 0 & 0.010132\end{array}$ $\begin{array}{lllllllll}1000 & 998.9847 & 0.012899 & 0.102864 & 0.098055 & 0.099271 & 4.288009 & 4.934369 & 0.009349\end{array}$ $\begin{array}{lllllllll}1000 & 1075.172 & 0.016379 & 0.198128 & 0.160527 & 0.138693 & 7.687005 & 5.583729 & 0.015465\end{array}$ $\begin{array}{llllllllllll}1000 & 1459.254 & 0.01118 & 0.117158 & 0.191846 & 0.111071 & 5.977948 & 4.971594 & 0.007523\end{array}$ $\begin{array}{llllllllllll}1000 & 782.1222 & 0.009722 & 0.073461 & 0.065328 & 0.050614 & 5.026671 & 4.133019 & 0.009433\end{array}$ $\begin{array}{llllllllllll}1000 & 1075.337 & 0.009983 & 0.095911 & 0.088362 & 0.087383 & 6.715798 & 4.746167 & 0.007627\end{array}$ $\begin{array}{lllllllll}1000 & 1285.413 & 0.00836 & 0.098333 & 0.073297 & 0.081806 & 4.074115 & 5.805935 & 0.010302\end{array}$ $\begin{array}{lllllllll}1000 & 1018.558 & 0.012386 & 0.117649 & 0.106317 & 0.100005 & 8.223761 & 6.212276 & 0.018834 \\ 1000 & 752.4178 & 0.010325 & 0.099621 & 0.074205 & 0.077775 & 3.871244 & 3.464906 & 0.008229\end{array}$ $\begin{array}{rrrrrrrr}1000 & 752.4178 & 0.010325 & 0.099621 & 0.074205 & 0.077775 & 3.871244 & 3.464906 \\ 0.008229 \\ 1000 & 1309.3 & 0.014722 & 0.085144 & 0.053236 & 0.078062 & 5.670024 & 3.870339 \\ 0 & 0.009949\end{array}$ $\begin{array}{llllllllll}1000 & 757.7238 & 0.01286 & 0.104216 & 0.116092 & 0.072992 & 6.026646 & 5.913859 & 0.016087\end{array}$ $\begin{array}{llllllllll}1000 & 1086.067 & 0.013122 & 0.096897 & 0.04914 & 0.101214 & 4.726429 & 5.191584 & 0.013712\end{array}$ $\begin{array}{llllllll}1000 & 947.1326 & 0.012616 & 0.09992 & 0.039995 & 0.097639 & 6.17937 & 4.585175 \\ 0.014012\end{array}$ $\begin{array}{llllllll}1000 & 1053.551 & 0.026569 & 0.111593 & 0.062169 & 0.110544 & 5.982262 & 4.734615\end{array} 0.020398$ $\begin{array}{llllllll}1000 & 1215.134 & 0.021903 & 0.118729 & 0.113967 & 0.104548 & 6.375126 & 6.66485 \\ 1000 & 759.06013262 \\ 1 & 0.011009 & 0.115896 & 0.130092 & 0.12414 & 5.523623 & 5.079108 & 0.014464\end{array}$ $\begin{array}{lllllllll}1000 & 950.9643 & 0.017529 & 0.125671 & 0.127927 & 0.117114 & 6.245394 & 6.44953 & 0.009399\end{array}$ $\begin{array}{llllllllllll}1000 & 734.557 & 0.016395 & 0.102748 & 0.116171 & 0.12979 & 4.859645 & 3.650775 & 0.011186\end{array}$ $\begin{array}{llllllllllllllll}1000 & 1122.201 & 0.025656 & 0.174844 & 0.147764 & 0.112767 & 8.036819 & 6.434251 & 0.02182\end{array}$ $\begin{array}{llllllll}1000 & 1299.208 & 0.015566 & 0.127815 & 0.107035 & 0.112788 & 6.085866 & 4.685723 \\ 0.0100661\end{array}$ $\begin{array}{lllllllll}1000 & 1707.603 & 0.019571 & 0.121901 & 0.081082 & 0.13113 & 5.242704 & 7.376606 & 0.018669 \\ 1000 & 1060.47 & 0.023943 & 0.142975 & 0.150755 & 0.153474 & 6113439 & 6.097225 & 0.01446\end{array}$ $\begin{array}{llllllll}1000 & 1060.47 & 0.023943 & 0.142975 & 0.150755 & 0.153474 & 6.113439 & 6.097225 \\ 1000 & 1049.226 & 0.015548 & 0.123642 & 0.124462 & 0.116308 & 5.87197 & 6.999606 \\ 0.012514\end{array}$ $\begin{array}{llllllllll}1000 & 1637.907 & 0.021365 & 0.165836 & 0.111111 & 0.095616 & 6.154762 & 7.091137 & 0.015086\end{array}$ $\begin{array}{lllllllll}1000 & 649.1145 & 0.013603 & 0.106518 & 0.077805 & 0.084604 & 4.266204 & 3.683576 & 0.01018\end{array}$ $\begin{array}{lllllllll}1000 & 1233.643 & 0.022906 & 0.151545 & 0.122601 & 0.116419 & 6.580287 & 5.081876 & 0.011932\end{array}$ $\begin{array}{llllllll}1000 & 1121.127 & 0.009506 & 0.095284 & 0.109577 & 0.100078 & 3.902873 & 3.210028 \\ 0.009062\end{array}$ $\begin{array}{lllllllll}1000 & 1261.2 & 0.02114 & 0.187091 & 0.251695 & 0.147341 & 7.09046 & 5.7735 & 0.011452\end{array}$ $\begin{array}{lllllllll}1000 & 749.7352 & 0.012869 & 0.148656 & 0.205313 & 0.153296 & 5.407051 & 3.937129 & 0.013665 \\ 1000 & 12366.893 & 0.012169 & 0.127692 & 0.152102 & 0.14722 & 4.602438 & 4.132262 & 0.016791\end{array}$ $\begin{array}{lllllllll}1000 & 741.2083 & 0.022704 & 0.144669 & 0.151254 & 0.137662 & 4.940261 & 5.757966 & 0.012505\end{array}$ $\begin{array}{lllllllll}1000 & 776.4931 & 0.012805 & 0.136377 & 0.044738 & 0.137688 & 6.472114 & 5.911787 & 0.011664\end{array}$ $\begin{array}{llllllll}1000 & 797.6807 & 0.011988 & 0.1114861 & 0.093287 & 0.135225 & 5.125263 & 6.252757 \\ 0 & 0.009058\end{array}$ $\begin{array}{lllllllll}1000 & 947.6 & 0.016095 & 0.16596 & 0.166301 & 0.161129 & 6.215409 & 6.375585 & 0.019467 \\ 1000 & 637.9436 & 0.009503 & 0.094239 & 0.078124 & 0.136613 & 4.153397 & 3.892189 & 0.008822\end{array}$ $\begin{array}{lllllllll}1000 & 637.9436 & 0.009503 & 0.094239 & 0.078124 & 0.136613 & 4.153397 & 3.892189 & 0.008822\end{array}$ $\begin{array}{lllllllll}1000 & 1016.754 & 0.029845 & 0.238901 & 0.160114 & 0.209472 & 9.359991 & 9.232726 & 0.020985 \\ 1000 & 686.3129 & 0.016752 & 0.179535 & 0.156477 & 0.199298 & 5.911096 & 6.305995 & 0.015428\end{array}$ $\begin{array}{lllllllll}1000 & 786.9473 & 0.011298 & 0.161021 & 0.17958 & 0.153667 & 5.013265 & 4.31316 & 0.019643\end{array}$ $\begin{array}{lllllllll}1000 & 994.0236 & 0.014118 & 0.146754 & 0.122683 & 0.121678 & 5.337435 & 4.607738 & 0.016183\end{array}$ $\begin{array}{lllllllll}1000 & 1262.913 & 0.017017 & 0.135415 & 0.128082 & 0.137187 & 5.595728 & 5.90242 & 0.012938\end{array}$ $\begin{array}{llllllll}1000 & 681.6103 & 0.015712 & 0.151661 & 0.099987 & 0.137626 & 5.240185 & 6.457847 \\ 1000 & 0.015627\end{array}$ $\begin{array}{llllllll}1000 & 1493.44 & 0.024463 & 0.143351 & 0.173669 & 0.175066 & 7.131631 & 9.087621\end{array} 0.017976$ $\begin{array}{llllllllll}1000 & 1263.639 & 0.033464 & 0.2164 & 0.15887 & 0.176074 & 0.130872 & 0.133438 & 7.467519 & 7.412151\end{array} 0.017272$ $\begin{array}{llllllllllll}1000 & 980.6477 & 0.025886 & 0.174747 & 0.139147 & 0.1679 & 6.236818 & 6.381869 & 0.015084\end{array}$ $\begin{array}{lllllllll}1000 & 1202.242 & 0.024976 & 0.149945 & 0.148933 & 0.101136 & 5.771009 & 5.338586 & 0.014117\end{array}$ $\begin{array}{lllllllll}1000 & 802.5138 & 0.024869 & 0.14346 & 0.128544 & 0.172223 & 7.385824 & 5.256617 & 0.013402\end{array}$ $\begin{array}{llllllll}1000 & 1167.374 & 0.022347 & 0.173475 & 0.137171 & 0.148433 & 6.288537 & 5.504326\end{array} 0.020584$ $\begin{array}{lllllllll}1000 & 832.0098 & 0.017478 & 0.134228 & 0.110846 & 0.120807 & 4.797816 & 4.840612 & 0.015099 \\ 1000 & 1077.317 & 0.032881 & 0.205047 & 0.210503 & 0.202698 & 8.325605 & 7.348087 & 0.023968\end{array}$ $\begin{array}{llllllllllllllll}1000 & 1157.028 & 0.026873 & 0.147869 & 0.153962 & 0.156874 & 6.470133 & 6.252762 & 0.015645\end{array}$ $\begin{array}{llllllllllll}1000 & 1411.295 & 0.034723 & 0.200058 & 0.237875 & 0.210968 & 8.012464 & 7.139112 & 0.016296\end{array}$ $\begin{array}{lllllllllll}1000 & 957.5457 & 0.030098 & 0.225707 & 0.173059 & 0.221911 & 8.441548 & 7.213797 & 0.015316\end{array}$ $\begin{array}{llllllll}1000 & 882.6277 & 0.038188 & 0.188904 & 0.180021 & 0.193779 & 6.131308 & 6.383759\end{array} 0.01257$ $\begin{array}{lllllllll}1000 & 1025.754 & 0.023804 & 0.183634 & 0.209572 & 0.209407 & 6.358521 & 5.722619 & 0.01934 \\ 1000 & 900.7662 & 0.288134 & 0.180614 & 0.22859 & 0.192483 & 6357625 & 6178508 & 0.016915\end{array}$ $\begin{array}{llllllllll}1000 & 900.7662 & 0.028134 & 0.180614 & 0.22859 & 0.192483 & 6.357625 & 6.178508 & 0.016915 \\ 1000 & 797.4974 & 0.035241 & 0.191931 & 0.225894 & 0.198256 & 7.777217 & 7.059884 & 0.016068\end{array}$ $\begin{array}{lllllllllllll}1000 & 1222.527 & 0.048254 & 0.297731 & 0.318806 & 0.260721 & 7.517428 & 7.121954 & 0.020645\end{array}$ $\begin{array}{llllllllll}1000 & 1278.298 & 0.045089 & 0.32817 & 0.228315 & 0.345186 & 8.109905 & 6.459261 & 0.021146\end{array}$ $\begin{array}{llllllll}1000 & 1721.811 & 0.038292 & 0.328968 & 0.253501 & 0.43174 & 7.68432 & 6.775739\end{array} 0.024744$

$\begin{array}{lllll}0.093616 & 0.159939 & 0.758343 & 1.03738\end{array}$ $\begin{array}{llll}0.064492 & 0.144804 & 1.261343 & 0.941144\end{array}$ $\begin{array}{llllllll}0.094121 & 0.28921 & 1.029421 & 0.937482\end{array}$ $\begin{array}{llll}0.143199 & 0.233364 & 1.012444 & 0.895276 \\ .050702 & 0.184414 & 1.061019 & 0.75070\end{array}$ $\begin{array}{lllll}0.111697 & 0.160986 & 1.03659 & 1.00138\end{array}$ $\begin{array}{lllll}0.11687 & 0.160986 & 1.036699 & 1.001306 \\ 0.088544 & 0.177822 & 0.823584 & 0.677065\end{array}$ $\begin{array}{llllll}0.072171 & 0.163427 & 0.897284 & 0.919381\end{array}$ $0.079360^{0} 187898$ 0.97051 1355417 $\begin{array}{llllllllllll}0.129347 & 0.183384 & 0.718809 & 1.301958\end{array}$ $\begin{array}{lllllllll}0.126504 & 0.203378 & 1.027669 & 1.30229\end{array}$ 0.0953510 .1427491 .01391 .417959 $\begin{array}{llll}0.104946 & 0.202703 & 0.958323 & 0.89355\end{array}$ 0.0830570 .1967951 .1508550 .67788 $\begin{array}{llllll}0.1315 & 0.162399 & 0.745732 & 0.90858\end{array}$ $\begin{array}{lllll}0.125464 & 0.209744 & 1.102182 & 1.082956\end{array}$ $\begin{array}{llllll}0.15899 & 0.127116 & 0.726011 & 1.19547\end{array}$ $0.1356570 .141128 \quad 0.83090 .81011$ $\begin{array}{llll}0.140658 & 0.100797 & 0.939631 & 0.713886\end{array}$ $\begin{array}{lllll}0.173786 & 0.155539 & 0.5745 & 0.71143 \\ 0.135213 & 0.088675 & 0.744624 & 0.885578\end{array}$ $\begin{array}{llllll}0.146621 & 0.124665 & 0.779712 & 0.88576\end{array}$ $\begin{array}{llllll}0.106074 & 0.093523 & 0.711741 & 0.917345\end{array}$ $0.159564 \quad 0.1532020 .8950861 .16344$ $\begin{array}{lllllll}0.200614 & 0.143995 & 0.717332 & 0.866724\end{array}$ $\begin{array}{lllll}0.141045 & 0.179964 & 1.088565 & 0.715525\end{array}$ $\begin{array}{lllll}0.216844 & 0.15687 & 0.87695 & 0.681427 \\ 0.163541 & 0.18787 & 1.931424 & 1.118066\end{array}$ $\begin{array}{llllll}0.127494 & 0.175015 & 0.632595 & 1.157171\end{array}$ 0.0980530 .1876290 .8147240 .93429 $\begin{array}{lllll}0.097654 & 0.192027 & 1.375823 & 1.19948\end{array}$ $\begin{array}{lllll}0.103109 & 0.18331 & 1.177367 & 0.85319\end{array}$ $\begin{array}{llll}0.134045 & 0.207642 & 2.679558 & 1.532558\end{array}$ $\begin{array}{lllll}0.1285081 & 0.16245 & 0.809514 & 1.077707\end{array}$ $\begin{array}{lllllllllll}0.087054 & 0.222227 & 0.947908 & 1.343787\end{array}$ $\begin{array}{lllll}0.121949 & 0.163776 & 1.28854 & 0.7848\end{array}$ 0.0905130 .2448981 .2241031 .058493 $\begin{array}{llll}0.179387 & 0.256132 & 0.848283 & 1.06605\end{array}$ $\begin{array}{llll}0.190186 & 0.173628 & 1.147403 & 1.064865\end{array}$ $\begin{array}{lllll}0.2294006 & 0.144167 & 0.826221 & 0.926867\end{array}$ $\begin{array}{llll}0.286323 & 0.17194 & 1.033187 & 1.464\end{array}$ $\begin{array}{llllllllllll}0.198441 & 0.228391 & 1.049897 & 0.998944\end{array}$ 0.1866910 .1773451 .0915430 .975818 $\begin{array}{llll}0.154694 & 0.192923 & 0.821044 & 0.866408\end{array}$ .133099 0.192341 1.056319 0.80389 $\begin{array}{lllll}0.195017 & 0.25456 & 1.277502 & 1.091909\end{array}$ $0.151245 \quad 0.165593 \quad 0.672660 .98735$ $\begin{array}{lllll}0.150911 & 0.210162 & 0.82309 & 0.996767\end{array}$ $\begin{array}{lllll}0.273842 & 0.238454 & 1.168689 & 1.756159\end{array}$ 0.2332330 .1995360 .6794490 .59772 $\begin{array}{llll}1427418 & 0.11724275 & 0.730206 & 0.86415\end{array}$ $\begin{array}{lllll}0.21055 & 0.157769 & 0.74051 & 0.763536\end{array}$ $0.138253 \quad 0.1984920 .7368310 .512486$ $\begin{array}{lllllll}0.153302 & 0.097438 & 0.797521 & 0.61333\end{array}$ $\begin{array}{lllll}0.119946 & 0.13479 & 0.802658 & 0.869385\end{array}$ $\begin{array}{llll}0.151263 & 0.26932 & 0.982025 & 1.576353\end{array}$ $\begin{array}{lllll}0.131553 & 0.208104 & 0.931403 & 1.096457\end{array}$ $\begin{array}{lllllll}0.105434 & 0.225233 & 0.907056 & 1.135615\end{array}$ 0.0448330 .1830811 .1472830 .701513 $0.061293 \quad 0.1414270 .8811490 .81143$
$\begin{array}{lllllllll}1000 & 1068.911 & 0.027885 & 0.281414 & 0.233118 & 0.279472 & 7.689 & 7.221612 & 0.021293\end{array}$

 $\begin{array}{llllllllll}1000 & 1057.391 & 0.040642 & 0.275244 & 0.251366 & 0.293073 & 6.696057 & 7.410756 & 0.018282\end{array}$ $\begin{array}{llllllll}1000 & 1053.383 & 0.035933 & 0.275507 & 0.200344 & 0.215955 & 5.678693 & 6.673169 \\ 0\end{array} 0.014127$ $\begin{array}{llllllll}1000 & 764.1364 & 0.031625 & 0.262745 & 0.305603 & 0.306197 & 5.898855 & 6.894415 \\ 0 & 0.014825\end{array}$ $\begin{array}{lllllllll}1000 & 731.7892 & 0.025788 & 0.179666 & 0.189071 & 0.208711 & 6.020113 & 4.864273 & 0.012267\end{array}$ | 1000 | 1483.927 | 0.043883 | 0.325298 | 0.245217 | 0.298551 | 7.019715 | 8.005107 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1161.522 | 0.047597 | 0.270198 | 0.22915 | 0.221065 | 6.280659 | 7.172463 | $\begin{array}{lllllllll}1000 & 1050.302 & 0.031511 & 0.238743 & 0.241096 & 0.2143 & 6.55305 & 5.927032 & 0.018596\end{array}$ $\begin{array}{lllllllll}1000 & 1146.059 & 0.045249 & 0.38327 & 0.194155 & 0.274848 & 7.320687 & 8.547746 & 0.01523\end{array}$ $\begin{array}{lllllllll}1000 & 1239.043 & 0.040307 & 0.333268 & 0.208227 & 0.291018 & 6.873445 & 7.261539 & 0.025699\end{array}$ $\begin{array}{llllllll}1000 & 10333.446 & 0.0429206 & 0.310778 & 0.220501 & 0.354459 & 6.768824 & 7.282302 \\ 0.023724\end{array}$ $\begin{array}{llllllll}1000 & 1026.665 & 0.038291 & 0.324475 & 0.235857 & 0.266618 & 5.246512 & 5.800862 \\ 0.013601 \\ 1000 & 1060.952 & 0.032783 & 0.25157 & 0.228429 & 0.202844 & 5.458473 & 5.938176 \\ 0.014122\end{array}$

 $\begin{array}{lllllllll}1000 & 11411.644 & 0.038747 & 0.307258 & 0.233321 & 0.262392 & 6.088146 & 5.566154 & 0.023226\end{array}$ $\begin{array}{llllllll}1000 & 1210.671 & 0.038216 & 0.265634 & 0.240001 & 0.250704 & 5.20338 & 5.22183 \\ 0\end{array} 0.017117$ $\begin{array}{llllllll}1000 & 1123.167 & 0.046099 & 0.297756 & 0.149993 & 0.294916 & 6.375299 & 7.109745 \\ 0.030497\end{array}$ $\begin{array}{llllllll}1000 & 817.8889 & 0.0288785 & 0.23047 & 0.161502 & 0.19007 & 4.186748 & 5.365857 \\ 0\end{array} 0.023294$ $\begin{array}{lllllllll}1000 & 697.2804 & 0.035587 & 0.208353 & 0.119251 & 0.182672 & 5.244067 & 4.281412 & 0.017275 \\ 1000 & 770.6592 & 0.021949 & 0.171119 & 0.150311 & 0.120623 & 4.840582 & 3.55594 & 0.021407\end{array}$ $\begin{array}{llllllllll}1000 & 884.9631 & 0.038609 & 0.190172 & 0.188771 & 0.177102 & 5.234884 & 4.325309 & 0.017524\end{array}$ $\begin{array}{lllllllllll}1000 & 788.5597 & 0.030751 & 0.14229 & 0.172315 & 0.165024 & 4.392813 & 4.684508 & 0.015118\end{array}$ $\begin{array}{llllllllll}1000 & 1097.819 & 0.038117 & 0.194749 & 0.179074 & 0.222394 & 5.698036 & 5.106278 & 0.017857\end{array}$ $\begin{array}{llllllll}1000 & 1250.215 & 0.034768 & 0.214671 & 0.147882 & 0.22653 & 6.0374 & 5.928641\end{array} 0.024958$ $\begin{array}{lllllllll}1000 & 1152.688 & 0.043099 & 0.181558 & 0.1586855 & 0.175814 & 6.311971 & 4.65918 & 0.013752\end{array}$ $\begin{array}{lllllllll}1000 & 701.9063 & 0.027836 & 0.179592 & 0.139033 & 0.154088 & 5.550863 & 4.426539 & 0.017749 \\ 1000 & 1294.13 & 0.04565 & 0.272487 & 0.12666 & 0.177996 & 7.700725 & 5.677132 & 0.02153\end{array}$ $\begin{array}{llllllllll}1000 & 884.4107 & 0.040255 & 0.220079 & 0.24033 & 0.219819 & 5.860075 & 4.840408 & 0.013996\end{array}$ $\begin{array}{lllllllllllll}1000 & 1034.792 & 0.035492 & 0.233563 & 0.218886 & 0.225151 & 6.721822 & 4.820896 & 0.018405\end{array}$ $\begin{array}{lllllllll}1000 & 1265.921 & 0.039243 & 0.26115 & 0.266276 & 0.369833 & 5.122915 & 5.566351 & 0.017566\end{array}$ \begin{tabular}{llllllll}
1000 \& 921.7769 \& 0.036894 \& 0.280599 \& 0.242709 \& 0.302884 \& 5.975548 \& 7.467813 <br>
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 0.02074 $\begin{array}{llllllll}1000 & 1516.649 & 0.037645 & 0.309084 & 0.220635 & 0.303032 & 6.35425 & 6.381228 \\ 0.0233499\end{array}$ $\begin{array}{lllllllll}1000 & 1193.276 & 0.02888 & 0.266401 & 0.334104 & 0.251145 & 6.725454 & 5.268071 & 0.014078 \\ 1000 & 843.3664 & 0.020753 & 0.265891 & 0.170875 & 0.184024 & 6.332349 & 6.041923 & 0.012983\end{array}$ $\begin{array}{lllllllllllll}1000 & 1151.841 & 0.026885 & 0.299847 & 0.228127 & 0.3315 & 6.232627 & 7.019757 & 0.017753\end{array}$ $\begin{array}{lllllllll}1000 & 1140.948 & 0.036203 & 0.201037 & 0.20779 & 0.21058 & 5.59352 & 5.213266 & 0.015474\end{array}$ $\begin{array}{lllllllll}1000 & 1648.825 & 0.031495 & 0.268261 & 0.150379 & 0.265273 & 7.898535 & 8.27055 & 0.022613\end{array}$ $\begin{array}{llllllll}1000 & 1192.379 & 0.030379 & 0.273957 & 0.275413 & 0.288497 & 7.402091 & 7.533144 \\ 0\end{array} 0.028998$ $\begin{array}{lllllllll}1000 & 1136.395 & 0.022788 & 0.229524 & 0.170344 & 0.234288 & 6.59253 & 5.975488 & 0.02319\end{array}$ $\begin{array}{lllllllll}1000 & 1255.607 & 0.018349 & 0.19529 & 0.139718 & 0.154264 & 5.560817 & 5.313349 & 0.016698 \\ 1000 & 1116.494 & 0.020673 & 0.23585 & 0.22707 & 0.173685 & 4.879233 & 4.794924 & 0.014036\end{array}$ $\begin{array}{lllllllllllll}1000 & 1254.564 & 0.034759 & 0.25767 & 0.183456 & 0.221487 & 6.496586 & 6.054048 & 0.013163\end{array}$ $\begin{array}{lllllllll}1000 & 1027.001 & 0.019709 & 0.188769 & 0.1836 & 0.224839 & 6.495569 & 4.801548 & 0.017217\end{array}$ $\begin{array}{lllllllll}1000 & 1154.882 & 0.017599 & 0.263526 & 0.244119 & 0.199086 & 6.766291 & 5.059438 & 0.016179\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1440.345 & 0.01993 & 0.163999 & 0.170636 & 0.144273 & 4.360426 & 5.727891 & 0.012362 \\ 1000 & 1099.074 & 0.019126 & 0.155718 & 0.183968 & 0.175346 & 4.577791 & 6.449916 & 0.013576\end{array}$ $\begin{array}{lllllllll}1000 & 1099.074 & 0.019126 & 0.155718 & 0.183968 & 0.175346 & 4.537791 & 6.449416 & 0.013576 \\ 1000 & 879.6686 & 0.021347 & 0.18253 & 0.136452 & 0.169482 & 5.28622 & 6.06014 & 0.011926\end{array}$ $\left.\begin{array}{llllllll}1000 & 1741.039 & 0.029305 & 0.243009 & 0.179595 & 0.1608794 & 5.5981046 & 5.946693\end{array}\right) 0.0111212$ $\begin{array}{lllllllll}1000 & 1227.966 & 0.021163 & 0.164075 & 0.090217 & 0.161433 & 5.558969 & 4.701792 & 0.012249\end{array}$ $\begin{array}{llllllll}1000 & 1171.836 & 0.015418 & 0.203136 & 0.145292 & 0.193281 & 4.955426 & 5.827483 \\ 0\end{array} 0.009707$ $\begin{array}{llllllll}1000 & 1409.963 & 0.024432 & 0.231388 & 0.241159 & 0.267909 & 8.082073 & 5.5371\end{array} 0.014645$ $\begin{array}{llllllll}1000 & 1276.908 & 0.038183 & 0.201931 & 0.180709 & 0.240514 & 5.624301 & 5.455566 \\ 0 & 0.008583\end{array}$ 

1000 \& 658.1949 \& 0.009475 \& 0.132423 \& 0.107521 \& 0.136288 \& 4.38708 \& 3.391831 \& 0.00505 <br>
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\end{tabular} $\begin{array}{llllllllll}1000 & 895.9962 & 0.019271 & 0.178623 & 0.180617 & 0.149615 & 5.475566 & 5.409665 & 0.007412\end{array}$ $\begin{array}{lllllllllll}1000 & 1242.832 & 0.013539 & 0.148993 & 0.097354 & 0.125709 & 4.530212 & 5.035937 & 0.008308\end{array}$ $\begin{array}{lllllllll}1000 & 867.2852 & 0.025057 & 0.194304 & 0.154268 & 0.161745 & 6.190773 & 5.836841 & 0.00528\end{array}$ $\begin{array}{llllllll}1000 & 768.2925 & 0.014234 & 0.110951 & 0.102165 & 0.115862 & 4.509291 & 4.142595 \\ 0 & 0.007236\end{array}$ $\begin{array}{lllllllll}1000 & 1545.017 & 0.025394 & 0.21314 & 0.225596 & 0.186912 & 8.617465 & 6.022336 & 0.007212\end{array}$ $\begin{array}{lllllllll}1000 & 1419.011 & 0.012614 & 0.133614 & 0.14552 & 0.126617 & 4.180159 & 3.746471 & 0.007814 \\ 1000 & 1022.554 & 0.015579 & 0.213828 & 0.176592 & 0.177011 & 6.232981 & 5.490832 & 0.008714\end{array}$ $\begin{array}{llllllllll}1000 & 1422.287 & 0.01955 & 0.175895 & 0.119689 & 0.160018 & 6.612995 & 5.299702 & 0.012431\end{array}$ $\begin{array}{lllllllllll}1000 & 708.0303 & 0.011796 & 0.108757 & 0.119476 & 0.085428 & 4.594341 & 3.414787 & 0.005026\end{array}$ $\begin{array}{lllllllll}1000 & 720.6491 & 0.016243 & 0.120737 & 0.098649 & 0.113335 & 4.724548 & 4.473101 & 0.005037\end{array}$

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| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 325.3668 | 13.14455 | 111.01 | 112.01 | 431.59 | 500.79 | 11381.29 | 169316.3 | 328.12 | 230.06 | 30 |
| 325. |  |  |  |  |  |  |  |  |  |  |


$\begin{array}{llrr}30 & 203.04 & 9777.1 & 66211.53 \\ 27 & 173.03 & 10319.91 & 69753.06\end{array}$ $\begin{array}{lll}173.03 & 10319.91 & 69753.06 \\ 196.04 & 8175.92 & 64362.63\end{array}$ $189.04 \quad 7983.54 \quad 63358.96$ $\begin{array}{llll}165.03 & 9417.62 & 92935.32\end{array}$ $\begin{array}{llll}185.05 & 7675.3 & 68770.21 \\ & 911147 & 6669186\end{array}$ $\begin{array}{llll}187.04 & 8617.98 & 603147.86\end{array}$ $\begin{array}{llll}149.02 & 7725.13 & 8953577\end{array}$ $152.03 \quad 8706.65 \quad 79487.61$ $\begin{array}{llr}159.03 & 9185.95 & 64178 \\ 176.03 & 7396.74 & 58736.49\end{array}$ $\begin{array}{lll}184.04 & 8170.83 & 68346.09 \\ 175503 & 51818\end{array}$ $\begin{array}{llll}175.03 & 8518.12 & 732336.97 \\ 167.03 & 9960.01 & 58399\end{array}$ $\begin{array}{llll}149.02 & 8285.89 & 59821.5\end{array}$ $\begin{array}{llll}185.04 & 9647.37 & 100668.9\end{array}$ $\begin{array}{ll}1076.26 & 7638.6976236 .26\end{array}$ | 190.04 | 7305.27 |
| :--- | :--- |
| 20650.33 |  | $\begin{array}{llll}194.04 & 78774.67 & 57190 & 687\end{array}$ $151.02 \quad 7061.46 \quad 6251388$ $\begin{array}{lll}17.03 & 8293.02 & 57077.38 \\ 156.03 & 10342.41 & 68294.05\end{array}$ 149.02 8414.21 87597.03 $\begin{array}{lll}213.05 & 9030.89 & 64848.03 \\ 195.04 & 7502.45 & 68089.45\end{array}$ $179.03 \quad 7007.2368283595$ $200.04 \quad 7859.41 \quad 60019.25$ $\begin{array}{lll}206.05 & 7817.7 & 61405.71 \\ 249.07 & 8861.6 & 65556.89\end{array}$ 209.05 8158.61 64382.12 | 207.05 | 6929.61 | 63052.31 |
| :--- | :--- | :--- | | 197.04 | 7553.28 | 73780.95 |
| :--- | :--- | :--- |
| 222.05 | 7668.18 |  | $\begin{array}{lll}186.04 & 6880.53 & 83025.87\end{array}$ $209.058201 .37 \quad 69117.98$ $\begin{array}{lll}188.04 & 8562.96 & 65513.19\end{array}$ $\begin{array}{lll}206.05 & 7298.16 & 49804.86 \\ 172.03 & 7816.68 & 57874.54\end{array}$ $\begin{array}{lll}155.03 & 7608.19 & 61790.03 \\ 171.03 & 8182.03 & 64246\end{array}$ $156.03 \quad 9747.47 \quad 63336.07$ 151.02 7244.3170493 .51 $\begin{array}{llll}194.04 & 77292 & 74621.2\end{array}$ $185.04 \quad 7753.617019379$ $\begin{array}{lll}186.04 & 7323.56 & 65709.82 \\ 192.04 & 8107.71 & 72414.81\end{array}$ $\begin{array}{llll}183.04 & 7781.08 & 74004.31\end{array}$ $236.06 \quad 8628.1760184 .09$ $204.05 \quad 8809.56$ $\begin{array}{lll}204.05 & 809.96 & 63591.36 \\ 193.04 & 7641.74 & 54555.52\end{array}$ $\begin{array}{lll}202.04 & 6825.9 & 89055.97 \\ 224.05 & 75726 & 74228\end{array}$ | 2180.04 | 7577.4 | 74228.95 |
| :--- | :--- | :--- |
| 977.44 | 7801.88 |  | $\begin{array}{lll}184.04 & 8728.05 & 65272.98 \\ 25207 & 7424.18 & 6292909\end{array}$ $\begin{array}{lll}252.07 & 7424.18 & 62929.94 \\ 207.05 & 7174.21 & 99230.48\end{array}$ $218.05 \quad 6725.4284026 .86$ $182.04 \quad 8260.43 \quad 68207.34$ $217.05 \quad 8116.88 \quad 63505.48$

$0725050.1752710 .805188 \quad 0.82375$ $\begin{array}{llll}0.138964 & 0.131987 & 0.814237 & 0.888387\end{array}$ $\begin{array}{llll}0.138964 & 0.131987 & 0.914237 & 0.888387 \\ 0.103652 & 0.280996 & 1.362549 & 1.334222\end{array}$ $0.0754350 .1508930 .619656 \quad 0.6829$ $\begin{array}{llllll}0.078656 & 0.275196 & 1.382915 & 1.838356\end{array}$ $\begin{array}{lllll}0.069644 & 0.261516 & 0.887178 & 0.977394\end{array}$ $\begin{array}{lllll}0.081514 & 0.256675 & 0.989485 & 0.951224\end{array}$ $\begin{array}{llllll}0.049791 & 0.18441 & 0.874299 & 0.987699\end{array}$ $\begin{array}{llll}0.075174 & 0.281973 & 1.336591 & 1.2470\end{array}$ $\begin{array}{llllllll}0.067703 & 0.301904 & 1.834774 & 1.03137\end{array}$ $\begin{array}{lllll}0.061475 & 0.20431 & 1.094241 & 0.79576\end{array}$ $\begin{array}{lllll}0.033021 & 0.167252 & 0.634559 & 0.650368\end{array}$ $\begin{array}{llll}0.061245 & 0.174932 & 1.051003 & 1.447402 \\ 0.047085 & 0.206729 & 0.912019 & 1.192692\end{array}$ $\begin{array}{llllll}0.07974 & 0.353827 & 1.01462 & 1.657827\end{array}$ $\begin{array}{lllll}0.049265 & 0.21694 & 1.087334 & 1.404103\end{array}$ 0.0898910 .2536081 .2717131 .3742 0.0664760 .2008060 .9961970 .67803 $\begin{array}{llll}0.093236 & 0.227435 & 0.827802 & 0.984113\end{array}$ $\begin{array}{llll}0.085982 & 0.167618 & 0.625957 & 1.167217 \\ 0.033344 & 0.246339 & 1.019128 & 1.16455\end{array}$ $0.061297 \quad 0.2667351 .1079641 .40355$ $\begin{array}{lllll}0.053944 & 0.215817 & 1.092541 & 0.8856\end{array}$ $\begin{array}{llllll}0.091051 & 0.191323 & 0.890463 & 1.39685\end{array}$ $0.064246 \quad 0.1781511 .3099251 .415417$ $\begin{array}{llll}0.081276 & 0.224495 & 0.804006 & 0.996412\end{array}$ $\begin{array}{lllll}0.110862 & 0.149277 & 1.153398 & 0.877246 \\ 0.078527 & 0.162166 & 0.704945 & 0.857858\end{array}$ $\begin{array}{lllll}0.071993 & 0.230104 & 1.090778 & 1.11546\end{array}$ $0.043036 \quad 0.147874 \quad 0.78648 \quad 0.7770$ 0.073670 .1999850 .8521671 .203042 $\begin{array}{lllll}0.097135 & 0.284145 & 1.435465 & 1.266522\end{array}$ 0.0876710 .345719 .051905 $\begin{array}{lllll}0.084443 & 0.2457464 & 1.180433 & 1.950132\end{array}$ 0.0761670 .1885570 .7262160 .965652 $\begin{array}{lllll}0.065191 & 0.162546 & 0.887846 & 1.14556\end{array}$ $\begin{array}{lllll}0.060588 & 0.228403 & 0.762906 & 1.22178\end{array}$ $\begin{array}{lllll}0.049321 & 0.149457 & 0.627173 & 0.645303\end{array}$ 0.0582660 .1976460 .8941590 .69216 $\begin{array}{llll}0.069885 & 0.201566 & 1.304921 & 0.93731 \\ 0.050133 & 0.163587 & 1.238838 & 1.103\end{array}$ $0.045075 \quad 0.2523560 .8375731 .08684$ $0.080258 \quad 0.2206551 .1348870 .845038$ $\begin{array}{lllll}0.064758 & 0.176235 & 0.97628 & 0.712285\end{array}$ $\begin{array}{llll}0.05153 & 0.179296 & 0.743152 & 0.96323 \\ 0.052623 & 0.717483\end{array}$ $\begin{array}{lllll}0.054051 & 0.185365 & 0.570129 & 0.756047\end{array}$ $\begin{array}{lllll}0.063359 & 0.265511 & 1.269821 & 0.810672\end{array}$ $0.073366 \quad 0.17570 .9893250 .83408$ $\begin{array}{lllll}0.046603 & 0.197316 & 0.573947 & 1.04412\end{array}$ 0.0478020 .1782471 .2572650 .549923 $\begin{array}{lllll}0.085659 & 0.318649 & 0.787696 & 1.2955\end{array}$ 0542910.1061790 .604556 $\begin{array}{llll}0.077048 & 0.217171 & 0.900879 & 0.866183\end{array}$ $0.077655 \quad 0.2878771 .0188780 .78035$ $\begin{array}{llllll}0.023409 & 0.128278 & 0.712593 & 0.63382\end{array}$ $\begin{array}{lllll}0.057526 & 0.323521 & 0.898888 & 0.764193\end{array}$ $\begin{array}{lllll}0.047551 & 0.164781 & 1.486277 & 0.95849\end{array}$ $0.0725380^{0} 2831781.6414111^{1} 0.02899$ $\begin{array}{llllll}0.0492 & 0.184228 & 0.665447 & 0.70442\end{array}$ $\begin{array}{llllll}0.055829 & 0.221436 & 0.526603 & 1.03552\end{array}$ $\begin{array}{lllll}0.042683 & 0.19319 & 0.653182 & 0.83500\end{array}$

| 1000 | 896.718 | 0.022046 | 0.130043 | 0.097005 | 0.141898 | 5.46546 | 3.979173 | 0.00614 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}1000 & 953.6375 & 0.020874 & 0.140933 & 0.088985 & 0.121079 & 5.894355 & 4.281259 \\ 0.005994 \\ 1000 & 1286.472 & 0.027671 & 0.172579 & 0.155357 & 0.155298 & 5.192885 & 4.402244 \\ 0.003596\end{array}$ $\begin{array}{lllllllllll}1000 & 1191.419 & 0.024908 & 0.118895 & 0.145871 & 0.119778 & 4.072467 & 3.48133 & 0.006852\end{array}$ $\begin{array}{lllllllllll}1000 & 1097.312 & 0.022166 & 0.154671 & 0.186317 & 0.142979 & 6.698634 & 7.109035 & 0.008505\end{array}$ $\begin{array}{llllllll}1000 & 799.3784 & 0.020689 & 0.173128 & 0.188521 & 0.172272 & 5.057865 & 4.883488 \\ 0 & 0.015579\end{array}$ $\begin{array}{lllllllll}1000 & 10155.537 & 0.01971 & 0.153827 & 0.116277 & 0.171716 & 6.792869 & 5.34873 & 0.007832\end{array}$ $\begin{array}{lllllllll}1000 & 737.2423 & 0.026316 & 0.159227 & 0.118915 & 0.144029 & 5.353827 & 4.035165 & 0.005625 \\ 1000 & 715.7745 & 0.02536 & 0.155582 & 0.135157 & 0.118974 & 5.132385 & 6409707 & 0.010864\end{array}$ $\begin{array}{lllllllll}1000 & 1392.571 & 0.02204 & 0.147076 & 0.137192 & 0.127289 & 6.054388 & 5.948633 & 0.005284\end{array}$ $\begin{array}{llllllllll}1000 & 1216.373 & 0.026686 & 0.161813 & 0.162019 & 0.163208 & 7.77988 & 5.846766 & 0.009718\end{array}$ $\begin{array}{llllllllllll}1000 & 952.5904 & 0.022027 & 0.158875 & 0.173059 & 0.149651 & 5.104587 & 4.369822 & 0.010955\end{array}$ $\begin{array}{lllllllll}1000 & 857.4385 & 0.011511 & 0.094084 & 0.078032 & 0.105848 & 3.796867 & 3.420139 & 0.009399\end{array}$ $\begin{array}{lllllllll}1000 & 1284.252 & 0.018994 & 0.156469 & 0.110639 & 0.152519 & 6.038873 & 5.58894 & 0.011925 \\ 1000 & 1395.088 & 0.0205 & 0.130794 & 0.088536 & 0.130519 & 6.381785 & 4.022245 & 0.005484\end{array}$ $\begin{array}{lllllllll}1000 & 1055.7776 & 0.022061 & 0.135497 & 0.150049 & 0.140219 & 6.492725 & 5.047244 & 0.013185\end{array}$ $\begin{array}{llllllllllll}1000 & 916.9847 & 0.023905 & 0.15333 & 0.21159 & 0.14821 & 6.248769 & 7.010904 & 0.008999\end{array}$ $\begin{array}{lllllllll}1000 & 900.822 & 0.027473 & 0.205196 & 0.201171 & 1.154462 & 5.989032 & 6.441399 & 0.013584\end{array}$ $\begin{array}{llllllllll}1000 & 950.6585 & 0.022227 & 0.124159 & 0.125433 & 0.134024 & 4.141058 & 4.318041 & 0.007622\end{array}$ $\begin{array}{llllllll}1000 & 859.4611 & 0.0229332 & 0.146102 & 0.117049 & 0.174319 & 6.738699 & 5.131502 \\ 0.0008007\end{array}$ $\begin{array}{lllllllll}1000 & 925.1617 & 0.024261 & 0.140518 & 0.075446 & 0.151048 & 4.918864 & 3.848513 & 0.009909 \\ 1000 & 1109.132 & 0.021329 & 0.152423 & 0.115505 & 0.106345 & 4.124939 & 3.93884 & 0.007289\end{array}$ $\begin{array}{lllllllll}1000 & 1091.038 & 0.022249 & 0.161853 & 0.122148 & 0.157 & 6.252914 & 4.633818 & 0.00866\end{array}$ $\begin{array}{lllllllll}1000 & 1099.529 & 0.019779 & 0.133045 & 0.11319 & 0.127222 & 6.986323 & 4.957354 & 0.012325\end{array}$ $\begin{array}{lllllllll}1000 & 1215.127 & 0.023723 & 0.154436 & 0.170953 & 0.142232 & 6.688936 & 7.496812 & 0.01183\end{array}$ $\begin{array}{lllllllll}1000 & 916.5912 & 0.020243 & 0.143084 & 0.183951 & 0.211932 & 7.142661 & 5.517912 & 0.009077\end{array}$ $\begin{array}{llllllll}1000 & 1420.488 & 0.023064 & 0.17661 & 0.126168 & 0.182663 & 5.631785 & 5.509214\end{array} 0.015198$ $\begin{array}{llllllll}1000 & 1100.214 & 0.016745 & 0.179087 & 0.201375 & 0.152382 & 5.45521 & 4.640176 \\ 0.005917 \\ 1000 & 735.8211 & 0.01135 & 0.136647 & 0.085321 & 0.131692 & 4.136997 & 3.403553 \\ 0 & 0.011418\end{array}$ $\begin{array}{llllllllll}1000 & 947.6474 & 0.020677 & 0.200113 & 0.203164 & 0.187541 & 5.669921 & 4.798198 & 0.007631\end{array}$ $\begin{array}{lllllllll}1000 & 853.782 & 0.013887 & 0.186224 & 0.129195 & 0.186142 & 5.18434 & 4.126909 & 0.005012\end{array}$ $\begin{array}{lllllllll}1000 & 994.0418 & 0.019956 & 0.219247 & 0.168661 & 0.168883 & 5.246015 & 4.458167 & 0.007387\end{array}$ $\begin{array}{lllllllll}1000 & 12336.411 & 0.020782 & 0.319775 & 0.1751999 & 0.296197 & 7.03503 & 6.025889 & 0.010626\end{array}$ $\begin{array}{lllllllll}1000 & 961.3733 & 0.015163 & 0.185191 & 0.159534 & 0.169482 & 4.529955 & 4.710516 & 0.009076\end{array}$ $\begin{array}{lllllllll}1000 & 891.5392 & 0.01889 & 0.207234 & 0.347718 & 0.180124 & 5.528153 & 5.820003 & 0.005925 \\ 1000 & 1450.55 & 0.027098 & 0.262215 & 0.264016 & 0.25928 & 7.076684 & 8.766616 & 0.011057\end{array}$ $\begin{array}{lllllllll}1000 & 1056.53 & 0.018362 & 0.184733 & 0.085138 & 0.155016 & 4.562676 & 6.011148 & 0.020781\end{array}$ $\begin{array}{llllllllll}1000 & 1103.688 & 0.019977 & 0.207995 & 0.202143 & 0.181951 & 5.681873 & 5.156451 & 0.010985\end{array}$ $\begin{array}{llllllll}1000 & 1007.394 & 0.026205 & 0.190551 & 0.214739 & 0.147491 & 5.290371 & 4.463366 \\ 0\end{array} 0.004846$ | 1000 | 668.7967 | 0.015718 | 0.12225 | 0.141338 | 0.125727 | 4.615624 | 3.801046 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.00802 $\begin{array}{llllllllll}1000 & 803.573 & 0.018771 & 0.188588 & 0.183337 & 0.169238 & 4.772918 & 3.511911 & 0.004978\end{array}$ $\begin{array}{lllllllll}1000 & 1094.382 & 0.023516 & 0.201905 & 0.218404 & 0.168163 & 6.225596 & 4.966128 & 0.005671 \\ 1000 & 978.2805 & 0.021757 & 0.152511 & 0.120832 & 0.139716 & 5.669586 & 4.962354 & 0.011102\end{array}$ $\begin{array}{lllllllll}1000 & 1170.554 & 0.018101 & 0.189813 & 0.09619 & 0.152159 & 5.93842 & 5.021416 & 0.00869\end{array}$ $1000 \quad 1141.70 .0206610 .166964 \quad 0.1287720 .1352366 .9957514 .8870540 .009623$ $\begin{array}{lllllllll}1000 & 1008.968 & 0.017374 & 0.145787 & 0.153703 & 0.114213 & 4.546209 & 4.770248 & 0.004778\end{array}$ $\begin{array}{llllllll}1000 & 1260.824 & 0.013852 & 0.103379 & 0.13964 & 0.143565 & 4.379991 & 4.587564 \\ 1000 & 794.3941 & 0.0200762 & 0.143758 & 0.120076 & 0.164191 & 5.24705 & 6.776509\end{array} 0.009452$ $\begin{array}{lllllllll}1000 & 794.3941 & 0.020162 & 0.143758 & 0.122076 & 0.164191 & 5.24705 & 6.776509 & 0.009452\end{array}$ $\begin{array}{llllllll}1000 & 1351.244 & 0.016419 & 0.141208 & 0.125212 & 0.12326 & 4.16787 & 4.065558 \\ 1000 & 886.0029 & 0.026559 & 0.1943 & 0.188256 & 0.161846 & 5.134575 & 4.967037\end{array} 0.01079$ $\begin{array}{lllllllllllllllll}1000 & 909.5914 & 0.024265 & 0.179355 & 0.154248 & 0.158308 & 5.371399 & 5.16681 & 0.006003\end{array}$ $\begin{array}{lllllllll}1000 & 775.3432 & 0.028372 & 0.153854 & 0.126504 & 0.140861 & 4.838968 & 4.958653 & 0.008658\end{array}$ $\begin{array}{lllllllll}1000 & 795.5675 & 0.017376 & 0.150197 & 0.138163 & 0.17381 & 4.996735 & 3.751326 & 0.006368 \\ 1000 & 1330 & 0.32 & 0.034397 & 0.2126 & 0.160251 & 0.223139 & 7.64518 & 0551232\end{array}$ $\begin{array}{lllllllll}1000 & 1330.32 & 0.034397 & 0.2126 & 0.160251 & 0.223139 & 7.649518 & 6.051232 & 0.012433\end{array}$ $\begin{array}{lllllllll}1000 & 878.9205 & 0.024999 & 0.199373 & 0.211251 & 0.17452 & 5.328185 & 4.674414 & 0.013475 \\ 1000 & 684.8497 & 0.017724 & 0.142326 & 0.085107 & 0.110192 & 3.501295 & 2.688786 & 0.008384\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 1589.513 & 0.035374 & 0.210216 & 0.170021 & 0.180112 & 4.85206 & 6.830881 & 0.009565\end{array}$ $\begin{array}{lllllllll}1000 & 1237.987 & 0.033674 & 0.218068 & 0.148433 & 0.201176 & 5.368321 & 5.671383 & 0.010217\end{array}$ $\begin{array}{llllllllll}1000 & 1291.198 & 0.022681 & 0.165122 & 0.078424 & 0.137612 & 4.939166 & 4.788559 & 0.012527\end{array}$ $\begin{array}{lllllllll}1000 & 1073.81 & 0.039519 & 0.269431 & 0.131164 & 0.184397 & 7.070195 & 5.690303 & 0.008513\end{array}$ $\begin{array}{lllllllll}1000 & 1577.76 & 0.040453 & 0.1716996 & 0.18063 & 0.232624 & 5.347883 & 4.886617 & 0.003732\end{array}$ $\begin{array}{lllllllll}1000 & 1021.48 & 0.031186 & 0.197747 & 0.123832 & 0.179047 & 4.936195 & 7.362962 & 0.007915 \\ 1000 & 1298.539 & 0.035962 & 0.234085 & 0.178234 & 0.23444 & 5.716972 & 7.70886 & 0.00565\end{array}$ $\begin{array}{llllllllllll}1000 & 1221.547 & 0.030175 & 0.171125 & 0.211043 & 0.172525 & 6.380943 & 4.924792 & 0.008822\end{array}$ $\begin{array}{llllllllll}1000 & 717.1722 & 0.025277 & 0.15862 & 0.127678 & 0.126602 & 4.648567 & 4.133049 & 0.007557\end{array}$ $\begin{array}{llllllllll}1000 & 717.838 & 0.036248 & 0.195483 & 0.165348 & 0.180723 & 5.357343 & 4.514109 & 0.007262\end{array}$



$348.0817 \quad 14.2803$ | 348.416 | 14.29701 |
| ---: | ---: |
| 348.7498 | 14.3137 | 349.083614 .33039 $\begin{array}{ll}349.7518 & 14.3638\end{array}$ 350.085614 .38049 $350.42 \quad 14.39721$ $\begin{array}{lll}351.4219 & 14.44731\end{array}$ $\begin{array}{ll}351.7558 & 14.464 \\ 352.0896 & 14.48069\end{array}$ 14.49741 $352.7578 \quad 14.5141$ | 353.426914 .54756 |
| :--- |
| 35.769 | $\begin{array}{lll}353.7608 & 14.56425 \\ 354.0946 & 14.58094\end{array}$ 354.428914 .59766

354.7628
14.61435 355.096614 .63104 355.764714 .66445 356.098614 .68114 356.766714 .71455 $\begin{array}{ll}357.1006 & 14.73124 \\ 357.1349 & 1474796\end{array}$ 357.434914 .7296
357.7687

14.76465 $\begin{array}{ll}358.1025 & 14.78134 \\ 358.4369 & 14.79806\end{array}$ 358.770714 .81475 | 359.1045 | 14.83144 |
| :--- | :--- | 359.438814 .84815

359.772714 .86485 360.10714 .88156 $\begin{array}{lll}360.4408 & 14.89825 \\ 360.7747 & 14.91495\end{array}$ 361.10914 .93166 $\begin{array}{rrr}361.4438 & 14.9484 \\ 361.7776 & 14.96509\end{array}$ $362.112 \quad 14.98181$ $\begin{array}{ll}362.4458 & 14.9985 \\ 362.7796 & 15.01519\end{array}$ 363.11415 .03191 $\begin{array}{lr}363.4478 & 15.0486 \\ 363.7816 & 15.06529\end{array}$ 364.11615 .08201 $\begin{array}{ll}364.4498 & 15.0987 \\ 364.7836 & 15.11539\end{array}$ 365.11815 .13211 $\begin{array}{rrr}366.1199 & 15.18221 \\ 366.4538 & 15.1989 \\ & \end{array}$ 366.787615 .21559 $\begin{array}{ll}367.1219 & 15.23231 \\ 367.4557 & 15.249\end{array}$ $367.7896 \quad 15.26569$ $\begin{array}{ll}368.4577 & 15.2991 \\ 368.7916 & 15.31579\end{array}$ 369.125915 .33251

$\begin{array}{llll}0.038729 & 0.110591 & 0.506498 & 0.6033\end{array}$ $\begin{array}{llll}0.048098 & 0.173962 & 0.521077 & 1.14513\end{array}$ $\begin{array}{llllll}0.090102 & 0.242189 & 1.287922 & 0.679913\end{array}$ 0.0766430 .1835030 .5929550 .811182 $\begin{array}{llllllll}0.85653 & 0.150278 & 0.914446 & 0.861514\end{array}$ $\begin{array}{llll}0.041733 & 0.143539 & 0.8553 & 0.87958\end{array}$ 0.0688760 .2702980 .9440811 .20453 $0657680.1231181 \quad 0.924118$ $\begin{array}{lllll}0.051508 & 0.240743 & 0.701167 & 0.87528\end{array}$ $\begin{array}{lllll}0.04709 & 0.234481 & 1.00384 & 0.689447\end{array}$ 0.0392760 .1679180 .6978750 .72571 $\begin{array}{lllll}0.054848 & 0.170441 & 0.729097 & 0.534192\end{array}$ | 0.039234 | 0.10739 | 0.475444 | 0.47838 |
| :--- | :--- | :--- | :--- | $\begin{array}{llllll}0.045903 & 0.194999 & 0.548136 & 0.63110\end{array}$ $\begin{array}{lllll}0.049619 & 0.187666 & 0.798502 & 0.73292\end{array}$ $\begin{array}{lllll}0.038332 & 0.169447 & 0.52023 & 0.522704\end{array}$ $\begin{array}{llllll}0.028964 & 0.154036 & 0.462624 & 0.517303\end{array}$ $\begin{array}{lllll}0.023302 & 0.135828 & 0.388931 & 0.379363\end{array}$ $\begin{array}{lllll}0.05241 & 0.173048 & 0.494766 & 0.491141 \\ 0.036736 & 0.245841 & 0.446638 & 0.249561\end{array}$ $\begin{array}{lllll}0.032204 & 0.173968 & 0.400004 & 0.364321\end{array}$ 0.0190920 .1527550 .3338310 .3170 $\begin{array}{llllll}0.021636 & 0.16546 & 0.309287 & 0.2942\end{array}$ $\begin{array}{llllll}0.036759 & 0.212078 & 0.394445 & 0.387973\end{array}$ $\begin{array}{lllll}0.016046 & 0.157808 & 0.319969 & 0.33667\end{array}$ $\begin{array}{lllll}0.019286 & 0.135794 & 0.2533725 & 0.331437\end{array}$ $\begin{array}{lllll}0.015141 & 0.177821 & 0.371398 & 0.37582\end{array}$ 0.0087720 .2151860 .2476760 .30884 $\begin{array}{lllll}0.031978 & 0.141606 & 0.394459 & 0.346356\end{array}$ $\begin{array}{llll}0.032036 & 0.168298 & 0.494316 & 0.3859\end{array}$ $\begin{array}{lllll}0.032248 & 0.17039 & 0.24134 & 0.350517\end{array}$ $\begin{array}{lllll}0.03973 & 0.172958 & 0.419101 & 0.424388\end{array}$ 0.0279310 .1760760 .4206690 .423874 $0.019615 \quad 0.108994 \quad 0.382224 \quad 0.310324$ $\begin{array}{llllllllllll}0.025337 & 0.159471 & 0.447083 & 0.376316\end{array}$ $\begin{array}{lllll}0.027103 & 0.128678 & 0.35887 & 0.311675\end{array}$ $\begin{array}{llllllll}0.033618 & 0.244908 & 0.362785 & 0.31292\end{array}$ $\begin{array}{llllll}0.01889 & 0.188016 & 0.315485 & 0.31056\end{array}$ $\begin{array}{lllllllllll}0.021413 & 0.160268 & 0.295704 & 0.223772\end{array}$ 0.0437960 .1539310 .2923370 .329192

 $\begin{array}{lllll}0.026413 & 0.259612 & 0.212132 & 0.271477\end{array}$ 0.0130140 .1279810 .2418860 .21163 $\begin{array}{lllll}0.044525 & 0.214608 & 0.366531 & 0.29800\end{array}$ 0.0199770 .1464280 .2660320 .30283 0.0142410 .1483090 .1874570 .18823 $\begin{array}{lllllllllll}0.012417 & 0.238417 & 0.256349 & 0.41893\end{array}$ $\begin{array}{lllll}0.01724 & 0.237804 & 0.293744 & 0.34959\end{array}$ $\begin{array}{llllll}0.02332 & 0.167492 & 0.294161 & 0.39604\end{array}$ $\begin{array}{lllll}0.017241 & 0.213487 & 0.314222 & 0.278743\end{array}$ 0.0110440 .1936860 .2959530 .265016 $\begin{array}{lllll}0.021879 & 0.204861 & 0.28129 & 0.29787\end{array}$ $\begin{array}{llll}0.013528 & 0.125882 & 0.19128 & 0.31718\end{array}$ $\begin{array}{llll}0.017048 & 0.196335 & 0.29452 & 0.305123\end{array}$ $\begin{array}{lllll}0.021919 & 0.191344 & 0.508178 & 0.225943 \\ 0.020253 & 0.170442 & 0.290465 & 0.469748\end{array}$ $\begin{array}{lllll}0.021203 & 0.213899 & 0.251734 & 0.43123\end{array}$ $\begin{array}{llllll}0.017005 & 0.173751 & 0.199545 & 0.31907\end{array}$ 0.029930 .2498010 .3273090 .54521

$\begin{array}{lllllllll}1000 & 812.4668 & 0.024116 & 0.147267 & 0.14121 & 0.145998 & 3.612034 & 3.086064 & 0.003445\end{array}$ | 1000 | 908.1538 | 0.022222 | 0.141412 | 0.104835 | 0.190907 | 4.067765 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
|  | 4.090075 | 0.0007038 |  |  |  |  |
| 1000 | 101.353 | 0.020547 | 0.24012 | 0.243392 | 0.233969 | 5.09534 |
| 5 | 5.15389 | 0.005979 |  |  |  |  | $\begin{array}{llllllll}1000 & 970.3984 & 0.025244 & 0.201195 & 0.20356 & 0.17259 & 4.091381 & 4.30731\end{array} 0.006971$ $\begin{array}{lllllllll}1000 & 1035.068 & 0.028024 & 0.231173 & 0.154631 & 0.297474 & 5.851009 & 4.379768 & 0.013942\end{array}$ | 1000 | 884.9692 | 0.0223255 | 0.204939 | 0.176895 | 0.165906 | 4.617541 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}1000 & 1395.867 & 0.026711 & 0.220703 \\ 1000 & 0.251126 & 0.272849 & 5.5363911 & 4.566171 & 0.010722\end{array}$ $\begin{array}{lllllllll}1000 & 989.284 & 0.019846 & 0.163483 & 0.143714 & 0.179484 & 4.408116 & 3.980046 & 0.004083 \\ 1000 & 1192.919 & 0.02868 & 0.272386 & 0.161818 & 0.254496 & 4.719358 & 5.009782 & 0.004512\end{array}$ $\begin{array}{lllllllll}1000 & 830.2366 & 0.0227 & 0.210429 & 0.152873 & 0.202724 & 4.385763 & 3.732372 & 0.006447\end{array}$ $\begin{array}{lllllllllllll}1000 & 1397.862 & 0.018219 & 0.271855 & 0.191798 & 0.210211 & 5.098166 & 5.425874 & 0.006837\end{array}$ $\begin{array}{lllllllll}1000 & 947.4509 & 0.01555 & 0.175361 & 0.116625 & 0.174668 & 4.761781 & 4.322469 & 0.003641\end{array}$ $\begin{array}{llllllll}1000 & 946.6111 & 0.014301 & 0.164255 & 0.123063 & 0.136586 & 4.020896 & 4.034932 \\ 0.004008\end{array}$ | 1000 | 832.0752 | 0.008102 | 0.126583 | 0.114893 | 0.10819 | 3.658525 | 3.184212 | 0.004406 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1085.23 & 0.01223 & 0.16179 & 0.149174 & 0.129598 & 3.799472 & 3.610326 & 0.00369 \\ 1000 & 834.7158 & 0.019356 & 0.22594 & 0.147633 & 0.202461 & 4.229797 & 3.568439 & 0.007732\end{array}$ $\begin{array}{llllllllll}1000 & 11855.629 & 0.022493 & 0.23465 & 0.294426 & 0.199621 & 4.253735 & 4.576875 & 0.008004\end{array}$ $\begin{array}{lllllllll}1000 & 1249.2 & 0.015886 & 0.258221 & 0.211151 & 0.200226 & 4.068784 & 4.323572 & 0.003544\end{array}$ $\begin{array}{lllllllll}1000 & 903.0233 & 0.013273 & 0.178555 & 0.133192 & 0.215136 & 3.596257 & 3.399663 & 0.004338\end{array}$ | 1000 | 959.5561 | 0.009445 | 0.138217 | 0.10712 | 0.14958 | 3.447295 | 2.801371 | 0.006216 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 816.3743 & 0.009903 & 0.200401 & 0.123849 & 0.147427 & 3.772515 & 3.135067 & 0.004891 \\ 1000 & 1073.055 & 0.013872 & 0.190834 & 0.140266 & 0.180718 & 5.156777 & 4.457524 & 0.004558\end{array}$ $\begin{array}{lllllllllll}1000 & 1259.121 & 0.011564 & 0.18747 & 0.171277 & 0.128266 & 4.182237 & 3.969806 & 0.004621\end{array}$ $\begin{array}{lllllllllllll}1000 & 864.9107 & 0.010557 & 0.146221 & 0.172917 & 0.1451 & 3.837105 & 3.384073 & 0.003989\end{array}$ $\begin{array}{lllllllll}1000 & 1062.214 & 0.003249 & 0.154083 & 0.157634 & 0.143866 & 3.777278 & 3.688326 & 0.003461\end{array}$ $\begin{array}{llllllll}1000 & 11933.847 & 0.003077 & 0.178958 & 0.096922 & 0.16441 & 4.449172 & 3.986657 \\ 0 & 0.003955\end{array}$ $\begin{array}{llllllll}1000 & 963.8992 & 0.007887 & 0.177095 & 0.117248 & 0.146346 & 3.922199 & 4.040008 \\ 0 & 0.004342\end{array}$ $\begin{array}{lllllllll}1000 & 984.2864 & 0.00842 & 0.121806 & 0.125247 & 0.109332 & 3.517756 & 3.104855 & 0.006177 \\ 1000 & 1140.492 & 0.008223 & 0.133439 & 0.115367 & 0.11859 & 4.119509 & 3.737073 & 0.002061\end{array}$ $\begin{array}{llllllllll}1000 & 1059.193 & 0.000404 & 0.194997 & 0.147926 & 0.152001 & 4.601054 & 4.229322 & 0.002319\end{array}$ $\begin{array}{lllllllllllll}1000 & 952.7358 & 0.00344 & 0.130574 & 0.10632 & 0.167066 & 3.831382 & 3.748772 & 0.006489\end{array}$ $\begin{array}{llllllllll}1000 & 1115.157 & 0.006491 & 0.160091 & 0.11711 & 0.147867 & 3.577712 & 3.678663 & 0.005611\end{array}$ $\begin{array}{llllllll}1000 & 1066.673 & 0.007621 & 0.145456 & 0.116258 & 0.108073 & 3.765992 & 3.763952 \\ 0.003262\end{array}$ $\begin{array}{rrrrrrrr}1000 & 870.666 & 0.008295 & 0.103211 & 0.124751 & 0.150811 & 3.559295 & 3.127822 \\ 1000 & 1262.700 & 0.003747 \\ 10.02767 & 0.190487 & 0.162222 & 0.20153 & 4.623367 & 3.985424 & 0.009071\end{array}$ $\begin{array}{lllllllll}1000 & 1262.702 & 0.002767 & 0.190487 & 0.162222 & 0.20153 & 4.623367 & 3.985424 & 0.009071 \\ 1000 & 1058.183 & 0.004929 & 0.22671 & 0.105482 & 0.180727 & 4.026328 & 3.825734 & 0.004522\end{array}$ $\begin{array}{llllllllll}1000 & 1084.723 & 0.009836 & 0.212684 & 0.133615 & 0.222428 & 4.397672 & 3.309733 & 0.004171\end{array}$ $\begin{array}{llllllllllllll}1000 & 766.0153 & 0.008523 & 0.148412 & 0.124706 & 0.120176 & 3.036763 & 2.572376 & 0.004951\end{array}$ $\begin{array}{lllllllllll}1000 & 1018.289 & 0.007985 & 0.159897 & 0.116397 & 0.181169 & 4.656456 & 3.284503 & 0.003864\end{array}$ $\begin{array}{lllllllll}1000 & 1136.162 & 0.010715 & 0.160309 & 0.134366 & 0.149574 & 3.518124 & 3.097069 & 0.004695 \\ 1000 & 1178.272 & 0.011114 & 0.145905 & 0.091364 & 0.254292 & 4.013426 & 4.062511 & 0.003461\end{array}$ $\begin{array}{lllllllll}1000 & 1178.272 & 0.011114 & 0.145905 & 0.091364 & 0.254292 & 4.013426 & 4.062511 & 0.003461 \\ 1000 & 1608.981 & 0.011354 & 0.17422 & 0.151056 & 0.170461 & 4761177 & 3.493975 & 0.002659\end{array}$ $\begin{array}{lllllllll}1000 & 1608.981 & 0.011354 & 0.17422 & 0.151056 & 0.170461 & 4.761179 & 3.493975 & 0.002659 \\ 1000 & 1237.27 & 0.00793 & 0.164248 & 0.125869 & 0.154087 & 4.153992 & 4.170302 & 0.003532\end{array}$ $\begin{array}{llllllllll}1000 & 987.3548 & 0.007019 & 0.124381 & 0.098401 & 0.126227 & 3.366617 & 2.674239 & 0.002298\end{array}$ $\begin{array}{lllllllll}1000 & 1143.45 & 0.009089 & 0.146744 & 0.090994 & 0.121933 & 3.898386 & 3.682797 & 0.006667\end{array}$ $\begin{array}{lllllllll}1000 & 1411.62 & 0.007937 & 0.169651 & 0.103526 & 0.139785 & 4.912869 & 4.393829 & 0.003118\end{array}$

 $\begin{array}{lllllllll}1000 & 844.7021 & 0.008304 & 0.103104 & 0.103945 & 0.10508 & 3.070635 & 2.904334 & 0.002792\end{array}$ $\begin{array}{llllllllll}1000 & 11355.961 & 0.005994 & 0.0964401 & 0.098362 & 0.1116274 & 3.828902 & 3.900531 & 0.001604\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 1278.146 & 0.011713 & 0.129578 & 0.113937 & 0.087326 & 4.410687 & 3.921598 & 0.004884\end{array}$ $\begin{array}{lllllllll}1000 & 778.3127 & 0.01107 & 0.063329 & 0.086447 & 0.069251 & 3.242033 & 2.847197 & 0.00301\end{array}$ $\begin{array}{lllllllll}1000 & 1244.545 & 0.010488 & 0.097319 & 0.149106 & 0.078746 & 4.774931 & 3.706494 & 0.000295\end{array}$ \begin{tabular}{llllllllllll}
1000 \& 1193.181 \& 0.012226 \& 0.105787 \& 0.094428 \& 0.115248 \& 4.368167 \& 3.691233 \& 0.002803 <br>
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 $\begin{array}{lllllllll}1000 & 1199.95 & 0.008117 & 0.119406 & 0.096159 & 0.148132 & 3.72755 & 3.393109 & 0.004568 \\ 1000 & 1150.487 & 0.014891 & 0.120456 & 0.145595 & 0.118791 & 4.347202 & 3.715132 & 0.002562\end{array}$ $\begin{array}{llllllllllllllll}1000 & 934.4368 & 0.011763 & 0.130904 & 0.08392 & 0.112839 & 3.787472 & 3.25864 & 0.006588\end{array}$ $\begin{array}{lllllllllll}1000 & 968.8153 & 0.009027 & 0.105699 & 0.081444 & 0.114001 & 3.723267 & 3.757394 & 0.00278\end{array}$ $\begin{array}{lllllllll}1000 & 1083.075 & 0.019688 & 0.165583 & 0.19241 & 0.136394 & 4.81114 & 3.892402 & 0.002205\end{array}$ $\begin{array}{llllllll}1000 & 865.6128 & 0.010481 & 0.097644 & 0.080427 & 0.101604 & 3.144189 & 3.210842 \\ 0 & 0.003282\end{array}$ 

1000 \& 883.7519 \& 0.01654 \& 0.104842 \& 0.111481 \& 0.114943 \& 3.810017 \& 3.163121 \& 0.003386 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 1171.227 & 0.024291 & 0.100509 & 0.133326 & 0.121535 & 4.23178 & 3.549185 & 0.004332 \\ 1000 & 1010.061 & 0.022638 & 0.118044 & 0.09291 & 0.143916 & 4.880834 & 3.886545 & 0.00527\end{array}$ $\begin{array}{llllllllll}1000 & 845.7878 & 0.013289 & 0.096801 & 0.059325 & 0.091506 & 3.735432 & 2.897365 & 0.003391\end{array}$ $\begin{array}{lllllllllll}1000 & 737.0896 & 0.015139 & 0.084948 & 0.073295 & 0.094488 & 3.709379 & 2.986154 & 0.001817\end{array}$ $\begin{array}{lllllllllll}1000 & 1335.148 & 0.013055 & 0.112898 & 0.070196 & 0.130731 & 4.286654 & 4.129541 & 0.004866\end{array}$

$\begin{array}{ll}369.4607 & 15.34925 \\ & 697946 \\ 1536594\end{array}$ $\begin{array}{ll}369.7946 & 15.36594 \\ 370.1289 & 15.38266\end{array}$ 370.462715 .39935 370.796515 .41604 371.130915 .43276 $\begin{array}{ll}371.4647 & 15.44945 \\ 37717985 & 15.4614\end{array}$ $\begin{array}{ll}371.7985 & 15.46614 \\ 372.1329 & 15.48286\end{array}$ $372.4667 \quad 15.49955$ 372.800515 .51624 $\begin{array}{lll}373.1349 & 15.53296 \\ 37.565\end{array}$ 373.468715 .54965 $\begin{array}{rr}373.803 & 15.56636 \\ 374.1368 & 15.58305\end{array}$ $\begin{array}{ll}374.1368 & 15.58305 \\ 374.4706 & 15.59974\end{array}$ $\begin{array}{rrrr}374.406 \\ 374.805 & 15.5164646\end{array}$ $375.1388 \quad 15.63315$ 375.472615 .64984 375.80715 .66656 $\begin{array}{ll}376.1408 & 15.68325 \\ 376.4746 & 15.69994\end{array}$ 376.809
15.71666 $377.1428 \quad 15.73335$ 377.477615 .75009 377.81215 .76681 $\begin{array}{ll}378.1458 & 15.7835 \\ 378.4796 & 15.80019\end{array}$ 378.479615 .80019
378.814
15881691 $379.1478 \quad 15.8336$ 379.481615 .85029 $\begin{array}{lll}379.4816 & 15.83029 \\ 379.8159 & 15.86701\end{array}$ 380.149715 .8837 $\begin{array}{ll}380.4836 & 15.90039 \\ 380.8179 & 15.91711\end{array}$ $\begin{array}{lll}381.1517 & 15.9338\end{array}$ 381.4856 15.95049 381.819915 .96721 $382.1537 \quad 15.9839$ 382.487516 .00059 $\begin{array}{lr}382.8219 & 16.01731 \\ 383.1557 & 16.034\end{array}$ $\begin{array}{lr}383.1557 & 16.034 \\ 383.4895 & 16.05069\end{array}$ $383.8239 \quad 16.06741$ $384.1577 \quad 16.0841$ 384.491516 .10079 384.825916 .11751 $\begin{array}{rr}385.1597 & 16.1342 \\ 385.4945 & 16.15094\end{array}$ 385.8289
16.16766 $386.1627 \quad 16.18435$ 386.496516 .20104 386.830816 .21775 387.164716 .23445 387.499
387.8328
16.2616785 $388.1667 \quad 16.28455$ 388.50116 .30126 388.834816 .31795 389.168616 .33464 $\begin{array}{r}389.50316 .35136 \\ 3898968 \\ \hline\end{array}$ $\begin{array}{ll}389.8368 & 16.36805 \\ 390.1706 & 16.38474\end{array}$ $390.5049 \quad 16.40146$ $\begin{array}{lll}390.5049 & 16.40146 \\ 390.8388 & 16.41815\end{array}$ 391.172616 .43484

4526.4431010 .97 $\begin{array}{ll}4477.96 & 3718107.27 \\ 4059.05 & 42285.07\end{array}$ $\begin{array}{ll}4059.05 & 42285.07 \\ 4580.98 & 37852.02\end{array}$ $\begin{array}{lll}102.01 & 4588.98 & 37852.02 \\ 101.01 & 4142.81 & 40679.77\end{array}$ $\begin{array}{llll}128.01 & 4637.55 & 40212.75\end{array}$ $\begin{array}{ll}114.01 & 5163.18 \\ 40520.41\end{array}$ $\begin{array}{llll}118.02 & 4091.34 & 35621.81 \\ 113.01 & 4157.94 & 33968.97\end{array}$ $\begin{array}{lll}113.01 & 4157.94 & 33968.97 \\ 101.01 & 4381.03 & 39551.21\end{array}$ $\begin{array}{lll}101.01 & 4381.03 & 39551.21 \\ 85.01 & 4763.85 & 37976.83\end{array}$ $\begin{array}{llll}18.02 & 4422.42 & 37219.78\end{array}$ $\begin{array}{llll} & 4750.71 & 43940.9\end{array}$ $\begin{array}{lll}103.01 & 4432.52 & 40460.39 \\ 113.31 & 4922.53 & 350109\end{array}$ \begin{tabular}{lllll}
\& 4922.53 \& 35010.89 <br>
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 $\begin{array}{ll}42959.02 & 42970.19\end{array}$ $\begin{array}{ll}4526.44 & 39908.56\end{array}$ 

4640.58 \& 445855.47 <br>
5700.55 \& 4035 <br>
\hline
\end{tabular} $\begin{array}{lll}5700.55 & 40375.28 \\ 4571.89 & 38783.11\end{array}$ $\begin{array}{ll}4571.89 & 38183.11 \\ 4670.89 & 36795.14\end{array}$ 457.8.8 36795.14

5767.38
38198.32 $4445.65 \quad 36786.48$ 4091.3438493 .79 $\begin{array}{lll}3911.77 & 37342.25 \\ 4025.76 & 37357.43\end{array}$ $\begin{array}{lll}4025.76 & 37357.43 \\ 4496.14 & 37523.32\end{array}$ $\begin{array}{ll}4496.14 & 37523.32 \\ 5074.18 & 31289.13\end{array}$ $\begin{array}{ll}5074.18 & 31289.13 \\ 4448.68 & 36699.56\end{array}$ 4856.83 34463.25 $\begin{array}{ll}4856.83 & 34463.25 \\ 4034.84 & 34027.09\end{array}$ 4030.831175 .71
4603.2136868 .78 4603.2136868 .78
4803.263663 .93 $\begin{array}{lll}4803.26 & 36634.93 \\ 5577.03 & 35527.85\end{array}$ $\begin{array}{ll}5577.03 & 35527.85 \\ 4625.43 & 37577.54\end{array}$ 4351.75
43600.27 $\begin{array}{lll}4351.35 & 436050.02 \\ 5051.94\end{array}$ $\begin{array}{ll}5689.41 & 41966.43 \\ 5099.46 & 37169.93\end{array}$ 5679.2844785 .84 $\begin{array}{ll}5067.1 & 38517.7 \\ 5458.6 & 40641.55\end{array}$ $\begin{array}{rr}5458.6 & 40641.55 \\ 4974.08 & 36639.26\end{array}$ 4883.1139922 .74
4989.35
4400950 4998.3544009 .05 $\begin{array}{ll}4718.38 & 36123.23 \\ 4568.86 & 37710.96\end{array}$ $\begin{array}{ll}4568.86 & 37710.96 \\ 5482.89 & 40993.19\end{array}$ 4775.98 39711.34 4775.98 39711.34
5048.9
38170.08 $5050.93 \quad 44524.95$ 5004.4241133 .04 4929.64642 .57
4344.68
44181.69 $\begin{array}{ll}4344.68 & 44181.69 \\ 4915.45 & 45802.21\end{array}$ $4529.47 \quad 46907$ 4697.1641051 .09 5205.6643911 .23
5269.394151237 5269.3941512 .37
5797.7742567 .77 $\begin{array}{ll}5797.77 \\ 5593.22 & 490550.96\end{array}$ $\begin{array}{lll}5593.22 & 49050.96 \\ 6169.61 & 4552.88\end{array}$ $\begin{array}{lll}120.02 & 6169.61 & 45552.88 \\ 136.02 & 5830.18 & 47444.86\end{array}$
$\begin{array}{llll}0.0325 & 0.176936 & 0.371284 & 0.35504\end{array}$ $\begin{array}{lllll}0.015905 & 0.147287 & 0.371284 & 0.355041\end{array}$ $\begin{array}{lllll}0.036742 & 0.125778 & 0.419489 & 0.324649\end{array}$ $\begin{array}{llllll}0.01708 & 0.192091 & 0.35712 & 0.409498\end{array}$ $\begin{array}{lllllll}0.02882 & 0.217253 & 0.375777 & 0.342248\end{array}$ $\begin{array}{lllll}0.047577 & 0.141585 & 0.458519 & 0.638409\end{array}$ $\begin{array}{lllll}0.032135 & 0.147691 & 0.328301 & 0.30152\end{array}$ $0.03377 \quad 0.1682060 .488363 \quad 0.340023$ $\begin{array}{llllll}0.033096 & 0.229507 & 0.337802 & 0.28897\end{array}$ $\begin{array}{lllllllll}0.023805 & 0.205907 & 0.284338 & 0.50309\end{array}$ $\begin{array}{lllllll}0.013063 & 0.286313 & 0.431962 & 0.50869\end{array}$ $\begin{array}{lllll}0.026457 & 0.322258 & 0.395066 & 0.46739\end{array}$ $0.02685 \quad 0.215844$ $\begin{array}{llllll}0.015078 & 0.119941 & 0.267079 & 0.252512\end{array}$ $\begin{array}{llllllll}0.019812 & 0.122162 & 0.317694 & 0.249182\end{array}$ $\begin{array}{lllllll}0.020505 & 0.189567 & 0.287075 & 0.27468\end{array}$ $\begin{array}{lllll}0.024143 & 0.221112 & 0.440592 & 0.39006\end{array}$ $\begin{array}{llllll}0.011624 & 0.165388 & 0.345803 & 0.324548\end{array}$ $\begin{array}{lllll}0.02852 & 0.1996 & 0.63094 & 0.346372 \\ 0.020641 & 0.25346 & 0.439066 & 0.731832\end{array}$
 0.0337170 .2523560 .6119770 .6940 $\begin{array}{llllllll}0.022526 & 0.152217 & 0.445306 & 0.45566\end{array}$ $\begin{array}{llll}0.031065 & 0.168395 & 0.39092 & 0.57684\end{array}$ $\begin{array}{llllll}0.016545 & 0.157213 & 0.343834 & 0.432394\end{array}$ $\begin{array}{lllll}0.030377 & 0.113489 & 0.359841 & 0.370453 \\ 0.019812 & 0.163934 & 0.396733 & 0.372127\end{array}$ $\begin{array}{llllllll}0.02534 & 0.134855 & 0.310542 & 0.33878\end{array}$
 $\begin{array}{lllllllll}0.016197 & 0.130735 & 0.307316 & 0.38832\end{array}$ $\begin{array}{llllllll}0.025307 & 0.296194 & 0.383668 & 0.426708\end{array}$ $\begin{array}{llll}0.047878 & 0.195561 & 0.268588 & 0.38926\end{array}$ 02137302083710.2781920 .297734 $\begin{array}{llllll}0.036631 & 0.112733 & 0.393702 & 0.40453\end{array}$ $\begin{array}{llllll}0.003886 & 0.193058 & 0.384912 & 0.206822\end{array}$ $\begin{array}{llllll}0.028003 & 0.216632 & 0.38854 & 0.518292\end{array}$ $\begin{array}{llll}0.019876 & 0.161247 & 0.344978 & 0.353448\end{array}$ $\begin{array}{llll}0.031998 & 0.1389475 & 0.410122 & 0.427237\end{array}$ $\begin{array}{lllll}0.031998 & 0.229735 & 0.529781 & 0.45763\end{array}$ $\begin{array}{lllll}0.037868 & 0.208688 & 0.43122 & 0.37556\end{array}$ $0.042220 .2278180 .511498 \quad 0.5679$ 0.066690 .1682630 .5681830 .534082 $\begin{array}{rrrr}0.042856 & 0.151272 & 0.449 & 0.514449\end{array}$ $0625590.0938760 .439868 \quad 0285864$ $0464760.1910630_{0} 0.736292 \quad 0.484472$ $0.0386670 .152450 .353998 \quad 0.423015$ $0.0396870 .1009250 .542142 \quad 0.7461$ $\begin{array}{llllll}0.034911 & 0.153714 & 0.740985 & 0.532639\end{array}$ $\begin{array}{lllll}0.033668 & 0.138505 & 0.586791 & 0.455347\end{array}$ $\begin{array}{lllll}0.034977 & 0.179442 & 0.455944 & 0.552627\end{array}$ $\begin{array}{llllllll}0.027969 & 0.177261 & 0.482245 & 0.54375\end{array}$ $\begin{array}{llllllll}0.032722 & 0.114575 & 0.578565 & 0.63178\end{array}$ $\begin{array}{lllll}0.033162 & 0.121301 & 0.569266 & 0.350012\end{array}$ $\begin{array}{lllll}0.051731 & 0.142557 & 0.498448 & 0.42658\end{array}$ $\begin{array}{llll}0.040885 & 0.148812 & 0.497012 & 0.524873\end{array}$
 $\begin{array}{lllll}0.052225 & 0.246425 & 0.427058 & 0.607836\end{array}$ $\begin{array}{lllll}0.061144 & 0.269249 & 0.659595 & 0.71597\end{array}$ $\begin{array}{lllllll}0.058964 & 0.292601 & 0.949482 & 1.00100\end{array}$

$\begin{array}{llllllllllll} & 000 & 942.5769 & 0.011447 & 0.110675 & 0.062389 & 0.096909 & 4.140024 & 3.079765 & 0.000743\end{array}$ | 1000 | 942.5769 | 0.011447 | 0.110675 | 0.062389 | 0.096909 | 4.140024 | 3.079765 | 0.000743 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 679.658 | 0.007572 | 0.084744 | 0.05053 | 0.081019 | 2.824066 | 2.547028 | 0.002365 |
|  | 000 | 106896 | 0.012943 | 0.06123 | 0.130151 | 0.09623 | 3776737 | 4281232 |

 \begin{tabular}{llllllll}
1000 \& 1119.925 \& 0.024037 \& 0.088011 \& 0.167524 \& 0.095085 \& 3.480589 \& 3.71743 <br>
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1000 \& 1036.37 \& 0.036612 \& 0.126932 \& 0.119587 \& 0.148274 \& 4.55763 <br>
\hline

 4.2892210 .005126 

1000 \& 1113.726 \& 0.029976 \& 0.127147 \& 0.113832 \& 0.10704 \& 4.220394 \& 3.588162 \& 0.00745 <br>
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 $\begin{array}{lllllllll}1000 & 994.4075 & 0.039255 & 0.119799 & 0.105101 & 0.130978 & 3.906963 & 3.700895 & 0.006867 \\ 1000 & 879.3366 & 0.037447 & 0.117449 & 0.110896 & 0.107754 & 3.444797 & 3.060844 & 0.002299\end{array}$ $\begin{array}{llllllllll}1000 & 875.5017 & 0.037404 & 0.113986 & 0.141861 & 0.098107 & 3.801903 & 3.729155 & 0.005382\end{array}$ $\begin{array}{llllllllllll}1000 & 895.2632 & 0.039055 & 0.149131 & 0.10932 & 0.085437 & 4.501785 & 3.893143 & 0.004465\end{array}$ $\begin{array}{lllllllll}1000 & 1100.889 & 0.026769 & 0.101396 & 0.082627 & 0.131436 & 4.244427 & 3.880434 & 0.005011\end{array}$ $\begin{array}{lllllllll}1000 & 1001.31 & 0.017605 & 0.107462 & 0.05028 & 0.093139 & 4.746392 & 4.762675 & 0.001788\end{array}$ $\begin{array}{lllllllll}1000 & 981.8497 & 0.0205 & 0.092818 & 0.073257 & 0.1058591 & 4.051912 & 4.017615 & 0.003429 \\ 1000 & 1317.732 & 0.024416 & 0.133227 & 0.129637 & 0.138271 & 5.249754 & 4.048192 & 0.001386\end{array}$ $\begin{array}{lllllllll}1000 & 1317.732 & 0.022416 & 0.133227 & 0.129637 & 0.138271 & 5.249754 & 4.048192 & 0.001386 \\ 1000 & 1014.423 & 0.016211 & 0.088652 & 0.04234 & 0.0543 & 3.224447 & 3.449764 & 0.002819\end{array}$ $\begin{array}{llllllllll}1000 & 768.2384 & 0.013063 & 0.064194 & 0.048371 & 0.057193 & 3.306261 & 3.043312 & 0.001807\end{array}$ $\begin{array}{lllllllllll}1000 & 785.7551 & 0.014384 & 0.075557 & 0.089048 & 0.049845 & 3.879542 & 3.714048 & 0.000277\end{array}$ $\begin{array}{lllllllll}1000 & 863.5673 & 0.018709 & 0.086845 & 0.040464 & 0.082432 & 4.229044 & 4.409841 & 0.005199\end{array}$ 

1000 \& 12633.092 \& 0.011098 \& 0.055981 \& 0.043948 \& 0.058555 \& 4.465606 \& 3.421181 <br>
0.002926 <br>
\hline

 $\begin{array}{llllllll}1000 & 943.2075 & 0.008434 & 0.080258 & 0.05681 & 0.084732 & 3.808394 & 3.452984 \\ 1000 & 1360.596 & 0.019024 & 0.087941 & 0.16008 & 0.094906 & 5.140941 & 4.394818 \\ 0 & 0.001971\end{array}$ $\begin{array}{llllllllll}1000 & 1301.721 & 0.01126 & 0.078243 & 0.092213 & 0.095287 & 5.139346 & 3.681257 & 0.003328\end{array}$ $\begin{array}{llllllllll}1000 & 1842.187 & 0.017304 & 0.125197 & 0.082321 & 0.123855 & 4.93323 & 4.433926 & 0.003075\end{array}$ $\begin{array}{llllllllllllll}1000 & 928.0045 & 0.016436 & 0.082585 & 0.103501 & 0.101657 & 3.162538 & 3.237266 & 0.001767\end{array}$ $\begin{array}{lllllllll}1000 & 1129.973 & 0.0190555 & 0.102081 & 0.072596 & 0.083456 & 3.290363 & 3.420579 & 0.003163\end{array}$ $\begin{array}{lllllllll}1000 & 809.976 & 0.013849 & 0.079415 & 0.067736 & 0.0723 & 2.777545 & 2.805134 & 0.002255\end{array}$ $\begin{array}{lllllllll}1000 & 855.2886 & 0.013728 & 0.08774 & 0.057171 & 0.067597 & 3.465739 & 3.141008 & 0.002136 \\ 1000 & 1141.728 & 0.016633 & 0.096924 & 0.049294 & 0.108733 & 4.450315 & 2.973742 & 0.007996\end{array}$ $\begin{array}{lllllllllllll}1000 & 1042.893 & 0.01523 & 0.07251 & 0.133448 & 0.078457 & 4.251865 & 3.806733 & 0.010138\end{array}$ $\begin{array}{llllllllll}1000 & 987.7256 & 0.008584 & 0.059938 & 0.052779 & 0.081474 & 4.122133 & 3.171998 & 0.003178\end{array}$ $\begin{array}{lllllllll}1000 & 822.8076 & 0.007961 & 0.054115 & 0.118347 & 0.063034 & 3.731256 & 3.424489 & 0.003475\end{array}$ $\begin{array}{llllllll}1000 & 1430.365 & 0.008278 & 0.07818 & 0.110247 & 0.061191 & 4.036365 & 3.397554 \\ 0\end{array} 0.005238$ 

1000 \& 961.9643 \& 0.014494 \& 0.057744 \& 0.089854 \& 0.063659 \& 4.807985 \& 4.180071 \& 0.002893 <br>
\hline 000 \& 982.4374 \& 0.01413 \& 0.066061 \& 0.053511 \& 0.063278 \& 4.132404 \& 3.418644 \& 0.009196

 $\begin{array}{llllllll}1000 & 982.4374 & 0.01413 & 0.066061 & 0.053511 & 0.063278 & 4.132404 & 3.418644 \\ 1000 & 968.7355 & 0.014949 & 0.074726 & 0.042696 & 0.080282 & 4.743972 & 3.269985 \\ 0.001104\end{array}$ $\begin{array}{lllllllll}1000 & 1185.067 & 0.015337 & 0.080549 & 0.109269 & 0.091419 & 4.603062 & 4.058893 & 0.002756\end{array}$ $\begin{array}{llllllllll}1000 & 1165.701 & 0.010049 & 0.078349 & 0.113483 & 0.058947 & 3.692808 & 4.020356 & 0.002353\end{array}$ $\begin{array}{llllllll}1000 & 1058.104 & 0.013813 & 0.09709 & 0.032772 & 0.095423 & 5.099781 & 4.622092\end{array} 0.004764$ 

1000 \& 847.1398 \& 0.001578 \& 0.079194 \& 0.077915 \& 0.064703 \& 4.282901 \& 3.417294 <br>
1000 \& 780.001343 <br>
\hline 10.0614 \& 0.055185 \& 0.071496 \& 0.06349 \& 0.058356 \& 4.050092 \& 3.198768 \& 0.004524

 $\begin{array}{llllllll}1000 & 780.6114 & 0.005185 & 0.071496 & 0.06349 & 0.058356 & 4.050092 & 3.198768 \\ 0.004524\end{array}$ $\begin{array}{llllllll}1000 & 1246.026 & 0.008335 & 0.085975 & 0.068931 & 0.099971 & 5.760847 & 4.914226 \\ 0.004779 \\ 1000 & 698.8339 & 0.003729 & 0.072432 & 0.050981 & 0.068326 & 3.231197 & 2.661709 \\ 0.002698\end{array}$ $\begin{array}{lllllllllll}1000 & 1099.52 & 0.010535 & 0.106865 & 0.074545 & 0.077673 & 5.095783 & 4.106579 & 0.005312\end{array}$ $\begin{array}{lllllllll}1000 & 1200.563 & 0.010713 & 0.123068 & 0.101368 & 0.121203 & 4.861194 & 3.881572 & 0.007957\end{array}$ $\begin{array}{llllllll}1000 & 1219.069 & 0.010937 & 0.103171 & 0.087998 & 0.117918 & 4.39299 & 3.894503 \\ 0.007767\end{array}$ $\begin{array}{lllllllll}1000 & 877.9112 & 0.006009 & 0.09223 & 0.095383 & 0.116766 & 3.573935 & 3.410814 & 0.003026 \\ 1000 & 1099.277 & 0.010738 & 0.095154 & 0.072965 & 0.081802 & 3.744922 & 3.110749 & 0.00608\end{array}$ $\begin{array}{lllllllll}1000 & 10999.277 & 0.010738 & 0.095154 & 0.072965 & 0.081802 & 3.744922 & 3.110749 & 0.00608\end{array}$ $\begin{array}{lllllllll}1000 & 1078.642 & 0.015368 & 0.1157732 & 0.081752 & 0.100395 & 4.887914 & 3.955273 & 0.004202\end{array}$ $\begin{array}{lllllllllll}1000 & 728.5971 & 0.010876 & 0.086868 & 0.102438 & 0.103225 & 2.892306 & 2.608747 & 0.004046\end{array}$ $\begin{array}{llllllll}1000 & 1218.049 & 0.018443 & 0.122387 & 0.08723 & 0.133173 & 4.505068 & 3.691049\end{array} 0.005519$ $\begin{array}{lllllllll}1000 & 1244.944 & 0.023198 & 0.1113835 & 0.102077 & 0.119288 & 4.972073 & 4.749957 & 0.006089\end{array}$ 

1000 \& 1166.549 \& 0.020894 \& 0.087751 \& 0.088835 \& 0.097745 \& 3.900559 \& 3.474967 \& 0.002156 <br>
1000 \& 769.6397 \& 0.021084 \& 0.111659 \& 0.070615 \& 0.087466 \& 3.55934 \& 3.633845 <br>
\hline

 $\begin{array}{llllllll}1000 & 769.6397 & 0.021084 & 0.111659 & 0.070615 & 0.082466 & 3.55934 & 3.633845 \\ 1000 & 1079.366 & 0.0203821 \\ 10.101325 & 0.105528 & 0.139371 & 3.76323 & 4.158547 & 0.002826\end{array}$ $\begin{array}{lllllllll}1000 & 1303.109 & 0.011202 & 0.106185 & 0.128562 & 0.10782 & 4.178055 & 4.221014 & 0.004845\end{array}$ $\begin{array}{lllllllllllll}1000 & 1231.086 & 0.013795 & 0.115826 & 0.110973 & 0.09499 & 3.761451 & 4.229594 & 0.001894\end{array}$ $\begin{array}{lllllllll}1000 & 966.1814 & 0.015849 & 0.10702 & 0.117471 & 0.11401 & 3.95581 & 3.751363 & 0.00192\end{array}$ 

1000 \& 894.8168 \& 0.009677 \& 0.127803 \& 0.079232 \& 0.139562 \& 5.125626 \& 4.10222 <br>
\hline
\end{tabular} 0.00274 $\begin{array}{lllllllll}1000 & 852.2666 & 0.0115199 & 0.113842 & 0.071917 & 0.08612 & 4.079136 & 3.727119 & 0.000252 \\ 1000 & 1449 & 0.053 & 0.009668 & 0.102073 & 0.146354 & 0.102316 & 531321 & 4.533091\end{array} 0.002786$ $\begin{array}{lllllllll}1000 & 1449.35 & 0.009668 & 0.102073 & 0.146354 & 0.102316 & 5.31321 & 4.533091 & 0.002786 \\ 1000 & 897.5101 & 0.009479 & 0.081875 & 0.10261 & 0.094307 & 4.469998 & 3.549092 & 0.004383\end{array}$ $\begin{array}{llllllllll}1000 & 883.8323 & 0.007139 & 0.07131 & 0.096543 & 0.069486 & 4.244051 & 4.027047 & 0.007277\end{array}$ $\begin{array}{lllllllllll}1000 & 1160.895 & 0.010642 & 0.109395 & 0.092174 & 0.111205 & 4.935575 & 3.937384 & 0.015066\end{array}$ $\begin{array}{lllllllllll}1000 & 1302.269 & 0.010392 & 0.185415 & 0.168498 & 0.155924 & 5.628421 & 4.952784 & 0.013489\end{array}$

391.50716 .45156 $\begin{array}{ll}391.8408 & 16.46825 \\ 392.1746 & 16.48494\end{array}$ 392.508916 .50166 392.508916 .50166
392.8427

16.51835 393.176616 .53504 393.5119168 .55181 $\begin{array}{ll}393.8458 & 16.5685 \\ 394.1796 & 16.58519\end{array}$ $\begin{array}{lll}394.5139 & 16.60191\end{array}$ 394.847716 .6186 $\begin{array}{ll}394.1816 & 16.63529 \\ 395.652\end{array}$ $395.5159 \quad 16.65201$ $\begin{array}{ll}395.8497 & 16.6687 \\ 3965836\end{array}$ $\begin{array}{ll}396.1836 & 16.68539 \\ 396.5179 & 16.70211\end{array}$ $\begin{array}{lll}396.5179 \\ 396.8517 & 16.76188\end{array}$ 397.185516 .73549 $\begin{array}{ll}397.5199 & 16.75221 \\ 3978537 & 167689\end{array}$ $\begin{array}{lll}397.8537 & 16.7689 \\ 398.1875 & 16.78559\end{array}$ $\begin{array}{ll}398.1875 & 16.78559 \\ 398.5219 & 16.80231\end{array}$ $\begin{array}{ll}398.8557 & 16.819\end{array}$ 399.1916 .83571 $\begin{array}{ll}399.5238 & 16.8524 \\ 3998577 & 168691\end{array}$ $\begin{array}{ll}399.8577 & 16.8691 \\ 400.192 & 1688851\end{array}$ $\begin{array}{rr}400.192 & 16.88581 \\ 400.5258 & 16.9025\end{array}$ $\begin{array}{ll}400.5258 & 16.9025 \\ 400.8596 & 16.91919\end{array}$ 401.19516 .93596 $\begin{array}{ll}401.5288 & 16.95265 \\ 401.8626 & 16.96934\end{array}$ $\begin{array}{rl}401.8626 & 16.96934 \\ 402.197 & 16.98606\end{array}$ 402.530817 .00275 $\begin{array}{rr}402.8646 & 17.01944 \\ 403.199 & 17.03616\end{array}$ $403.5328 \quad 17.05285$ $\begin{array}{lll}403.5328 & 17.05285 \\ 403.8666 & 17.06954\end{array}$ $404.201 \quad 17.08626$ 404.534817 .10295 | 404.8686 |
| :--- |
| 405.2029 |
|  |
| 17.119636 | $\begin{array}{ll}\text { 405.2029 } & 17.13636 \\ 405.5368 & 17.15305\end{array}$ $405.8706 \quad 17.16974$ $406.2049 \quad 17.18646$ 406.538817 .20315 406.872617 .21984 407.2069

407.5407
17.236565 $407.8746 \quad 17.26994$ $408.2089 \quad 17.28666$ $408.5427 \quad 17.30335$ 408.876617 .32004 $\begin{array}{ll}409.2119 & 17.33681 \\ 40.5457 \\ 17.3535\end{array}$ $\begin{array}{rrr}409.5457 & 17.3535 \\ 409.8795 & 17.37019\end{array}$ $410.2139 \quad 17.38691$ $410.5477 \quad 17.4036$ $410.8815 \quad 17.42029$ $411.2159 \quad 17.43701$ $\begin{array}{ll}411.5497 & 17.4537 \\ 411.8835 & 17.47039\end{array}$ $\begin{array}{ll}411.8835 & 17.47039 \\ 412.2179 & 17.48711\end{array}$ $412.5517 \quad 17.5038$ $412.886 \quad 17.52051$ $413.2198 \quad 17.5372$


| 203.04 | 5332.82 | 453962.2 |
| :--- | :--- | :--- |
| 231.06 | 6086.51 | 47998 | $\begin{array}{lll}231.06 & 6086.51 & 47998.85 \\ 198.04 & 6495.1 & 46219.52\end{array}$ $\begin{array}{lll}198.04 & 6495.1 & 46219.52 \\ 184.04 & 6069.28 & 54205\end{array}$ $\begin{array}{lll}148.02 & 5649.92 & 48068.69 \\ 27408 & 599473\end{array}$ $\begin{array}{llll}243.02 & 5649.92 & 48068.69 \\ & 5794.73 & 49152.08 \\ 176.03 & 5976.05 & 77731.75\end{array}$ | 176.03 | 5976.05 | 47731.75 |
| :--- | :--- | :--- |
| 242.06 | 5315.92 | 49015.41 | $\begin{array}{lll}242.06 & 5315.92 & 49015.41 \\ 220.05 & 5031.71 & 47872.48\end{array}$ $\begin{array}{llll}2220.05 & 5451.52 & 44375.29 \\ & 5031\end{array}$ | 220.05 | 5451.52 | 44375.29 |
| :--- | ---: | ---: |
| 239.06 | 5093.4 | 50222.34 |
| 226.05 | 558 |  | $\begin{array}{rrr}220.06 & 5093.4 & 50222.34 \\ 202.04 & 4610.28 & 43480.56\end{array}$ $216.05 \quad 5658.0242438 .46$ $\begin{array}{llll}217.05 & 4620.38 & 45915.88 \\ & 2404.05 & 690\end{array}$ $\begin{array}{llll}204.05 & 4690.09 & 44745.11 \\ 187.04 & 5276.47 & 37997.45\end{array}$ $\begin{array}{lll}187.04 & 5276.47 & 37997.45 \\ 232.06 & 5251.18 & 44643.82\end{array}$ $\begin{array}{lll}232.06 & 5251.18 & 44643.82 \\ 244.06 & 5321.99 & 46071.54\end{array}$ $\begin{array}{lll}2420.05 & 5321.99 & 46071.54 \\ 2338.18 & 42726.72\end{array}$ | 201.04 | 5659.03 | 46610.67 |
| :--- | :--- | :--- |
| 207.05 | 5347.29 | 444138 | $\begin{array}{lll}207.05 & 5347.29 & 44413.8 \\ 196.04 & 5211.73 & 44264.18\end{array}$ | 196.04 | 5211.73 | 44264.18 |
| :--- | ---: | ---: |
| 222.05 | 5200.6 | 49895 | $\begin{array}{rrrr}222.05 & 521.00 .6 & 49895 \\ 201.04 & 4918.48 & 42994.71\end{array}$ | 233.06 | 4931.63 | 49844.93 |
| :--- | :--- | :--- | :--- |
| 107.04 | 52507 |  | $197.04 \quad 5259.2742852 .83$ $\begin{array}{lll}244.06 & 5146.99 & 47614.31 \\ 178.03 & 4913.43 & 4366618\end{array}$ $\begin{array}{lll}178.03 & 4913.43 & 43666.18 \\ 161.03 & 4523.41 & 38266.74\end{array}$ $\begin{array}{llll}183.04 & 5759.28 & 40183.3\end{array}$ $\begin{array}{rrr}183.04 & 5759.28 & 40183.3 \\ 181.04 & 5236 & 44628.4\end{array}$ 163.035164 .1944458 .91 $158.035^{5055.98} 46010.82$ $\begin{array}{lll}140.02 & 5822.07 & 43569.51 \\ 174.03 & 5565.89 & 45343.36\end{array}$ $\begin{array}{lll}170.03 & 4902.31 & 45379.75\end{array}$ $\begin{array}{lll}136.02 & 5844.36 & 47635.36\end{array}$ $\begin{array}{lll}127.02 & 5355.38 & 49124.3\end{array}$ $\begin{array}{lll}142.02 & 5475.81 & 50964.7\end{array}$ $\begin{array}{lll}125.02 & 6189.89 & 45130.64\end{array}$

 $\begin{array}{llll}165.03 & 5422.17 & 44467.72\end{array}$ $\begin{array}{lll}160.03 & 6090.56 & 42031.01\end{array}$ $\begin{array}{lll}158.03 & 5081.26 & 476355.36 \\ 169.03\end{array}$ $\begin{array}{llll}169.03 & 4948.81 & 43523.39 \\ 163.03 & 5817.01 & 4880439\end{array}$ $\begin{array}{lll}163.03 & 5817.01 & 48804.39\end{array}$ $\begin{array}{lll}159.03 & 5701.56 & 49567.89 \\ 147.02 & 5758.27 & 48433.62\end{array}$ $\begin{array}{lllll}170.03 & 5651.94 & 48571.23\end{array}$ $\begin{array}{llll}159.03 & 5784.6 & 48302.7\end{array}$ $\begin{array}{llll}142.02 & 5834.23 & 48054.28 \\ 1551.03 & 56632.25 & 023236\end{array}$ $\begin{array}{llll}155.03 & 5363.48 & 50232.36 \\ 161.03 & 614225 & 46668.15\end{array}$ $\begin{array}{rrr}161.03 & 6142.25 & 46668.15 \\ 161.03 & 5465.69 & 56646\end{array}$ $\begin{array}{lll}161.03 & 5465.59 & 56646 \\ 1637.59 & 47463.69\end{array}$ $173.03 \quad 4788.147179 .18$ $\begin{array}{rrr}203.04 & 5918.3 & 44226.79\end{array}$ \begin{tabular}{llll}
198.04 \& 5877.78 \& 43102.95 <br>
\hline 200.07 \& 5448 \& <br>
\hline

 $\begin{array}{lll}260.07 & 5448.48 & 43288.42\end{array}$ $\begin{array}{lll}291.09 & 6176.71 & 46276.95 \\ 290.09 & 5347.29 & 43981.58\end{array}$ $\begin{array}{llll}231.06 & 5947.68 & 51224.68\end{array}$ $\begin{array}{llll}288.09 & 5323.01 & 45722.76\end{array}$ 

\& 288.09 \& 5323.01 \& 45722.76 <br>
\hline \& 278.08 \& 6211.18 \& 52652.07
\end{tabular}

$\begin{array}{lllll}0.066536 & 0.1772 & 0.802171 & 1.008374\end{array}$ $\begin{array}{lllll}0.071433 & 0.190521 & 0.836253 & 0.9261\end{array}$ $\begin{array}{llll}0.042222 & 0.207401 & 0.598372 & 0.742255 \\ & 0.051299 & 0.156381 & 0.701922\end{array}$ $\begin{array}{llll}0.051299 & 0.156381 & 0.701922 & 0.86037 \\ 0.093628 & 0.19548 & 0.926861 & 0.82319\end{array}$ $\begin{array}{lllll}0.074516 & 0.181042 & 1.259213 & 1.27377\end{array}$ $\begin{array}{lllll}0.086182 & 0.223203 & 0.875707 & 0.803846\end{array}$

 $\begin{array}{llllll}0.087907 & 0.186537 & 0.829295 & 0.779225\end{array}$ 0.0848560 .1757410 .7814090 .80550 0.0892820 .1641560 .5817850 .59748 $\begin{array}{lllll}0.07604 & 0.142855 & 0.624317 & 0.839156\end{array}$ \begin{tabular}{lllll}
0.054518 \& 0.139652 \& 0.568855 \& 0.66932 <br>
\hline

 $0438980.159663 \quad 0.700640 .751473$ $0.046109 \quad 0.1177830 .5454130 .86586$ 0.0327220 .1785550 .8426340 .7878 0.0405070 .2178450 .7870090 .78116 $\begin{array}{llll}0.034685 & 0.162262 & 0.700494 & 0.66945\end{array}$ 

0.0317 \& 0.133426 \& 0.763925 \& 0.769875 <br>
\hline 0.036832 \& 0.153548 \& 0.731949 \& 0.654564
\end{tabular} $0.030441 \quad 0.128558 \quad 0.779286 \quad 0.80885$ $\begin{array}{lllll}0.044373 & 0.239782 & 0.861966 & 0.71597\end{array}$ $\begin{array}{lllllllllll}0.042576 & 0.17471 & 0.907212 & 0.94588\end{array}$ $\begin{array}{lllll}0.033863 & 0.139566 & 0.652666 & 0.738766\end{array}$ 0.0355720 .1825690 .8810620 .90744 $\begin{array}{lllll}0.021873 & 0.178502 & 0.707064 & 0.916578 \\ 0.040867 & 0.164061 & 0.711615 & 0.582248\end{array}$ 0.0392270 .1575650 .5844450 .55072 0.0498970 .1879470 .7330790 .64908 $\begin{array}{llllllll}0.01619 & 0.133765 & 0.622517 & 0.671387\end{array}$ $0.049468 \quad 0.1756150 .6559290 .934945$ $0.03220 .130930^{0.690708} 0.570893$ $\begin{array}{lllll}0.034121 & 0.201964 & 0.791932 & 0.82253\end{array}$ $0.040839 \quad 0.110790 .5722310 .69066$ $0.03629 \quad 0.1665670 .6504740 .771328$ $\begin{array}{lllllll}0.029998 & 0.163692 & 0.478902 & 0.64486\end{array}$ $\begin{array}{llll}0.029713 & 0.172426 & 0.60467 & 0.431198\end{array}$ $\begin{array}{lllll}0.022184 & 0.149997 & 0.603631 & 0.55916\end{array}$ $0255180.1662690 .689332 \quad 0743754$ 0.0427470 .1672670 .8587670 .921555 $\begin{array}{llllllll}0.023796 & 0.132225 & 0.741924 & 0.941293\end{array}$ 0.0187080 .1106540 .6574670 .71532 $\begin{array}{lllll}0.046157 & 0.124134 & 0.868069 & 0.80118\end{array}$

 $\begin{array}{lllll}0.032093 & 0.127456 & 0.752543 & 0.751628\end{array}$ 0.0445970 .2025010 .7867730 .66026 $\begin{array}{lllllll}0.046122 & 0.214616 & 0.958424 & 0.771394\end{array}$ $\begin{array}{llll}0.054318 & 0.21762 & 0.729735 & 0.92646\end{array}$ $\begin{array}{lllll}0.039794 & 0.187238 & 0.826718 & 0.634995\end{array}$ $\begin{array}{llll}0.033599 & 0.125632 & 0.600636 & 0.60686 \\ 0.039593 & 0.137755 & 0.849869 & 0.710148\end{array}$ $\begin{array}{lllll}0.046098 & 0.1553 & 1.082093 & 0.965964\end{array}$ $\begin{array}{lllllll}0.012017 & 0.13119 & 0.807685 & 1.168365\end{array}$ $0.042184 \quad 0.1813711 .044227 \quad 0.78552$ $\begin{array}{lllll}0.04853 & 0.168584 & 0.859824 & 0.85070\end{array}$ $\begin{array}{llll}0.026994 & 0.117354 & 0.821713 & 0.730878\end{array}$ $\begin{array}{llll}0.032059 & 0.200603 & 0.951151 & 1.008443 \\ 0.038192 & 0.239078 & 0.846693 & 0.768595\end{array}$ $\begin{array}{lllll}0.033496 & 0.20488 & 0.782304 & 0.841843\end{array}$ $0.039269 \quad 0.1993090 .9132380 .97916$ 0.0498090 .1608120 .6218270 .95934
$\begin{array}{lllllllll}1000 & 878.8162 & 0.016035 & 0.180472 & 0.147775 & 0.162521 & 4.023137 & 3.549434 & 0.01329\end{array}$

 $\begin{array}{lllllllll}1000 & 1218.707 & 0.018743 & 0.212167 & 0.22699 & 0.192378 & 5.039347 & 3.871955 & 0.015735\end{array}$ $\begin{array}{llllllll}1000 & 1055.39 & 0.027997 & 0.252465 & 0.244556 & 0.194849 & 5.173373 & 4.993282 \\ 0 & 0.011073\end{array}$ $\begin{array}{llllllll}1000 & 12177.908 & 0.025401 & 0.206257 & 0.208708 & 0.144547 & 4.578039 & 4.213611 \\ 0\end{array} 0.017651$ $\begin{array}{lllllllll}1000 & 1190.464 & 0.015586 & 0.167938 & 0.156688 & 0.243956 & 3.984699 & 3.655583 & 0.006591\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1038.48 & 0.013244 & 0.20293 & 0.227725 & 0.159391 & 4.380769 & 3.782219 & 0.008095 \\ 1000 & 1039.533 & 0.014201 & 0.208343 & 0.240069 & 0.226476 & 3.879153 & 3.873037 & 0.009854\end{array}$ $\begin{array}{lllllllll}1000 & 1274.616 & 0.023826 & 0.232423 & 0.252143 & 0.218156 & 3.923718 & 4.045909 & 0.00711\end{array}$ $\begin{array}{llllllllllll}1000 & 915.6324 & 0.018934 & 0.243182 & 0.130194 & 0.208206 & 4.062409 & 3.579287 & 0.006058\end{array}$ $\begin{array}{lllllllll}1000 & 847.7312 & 0.016534 & 0.20806 & 0.158768 & 0.224724 & 3.73609 & 3.991783 & 0.008479\end{array}$ $\begin{array}{llllllll}1000 & 746.0018 & 0.011954 & 0.197882 & 0.216314 & 0.191331 & 3.460742 & 3.542813 \\ 0.009427\end{array}$ \begin{tabular}{llllllll}
1000 \& 1054.325 \& 0.009158 \& 0.236325 \& 0.220977 \& 0.198277 \& 4.099707 \& 3.326543 <br>
1000 \& 1026.104 \& 0.0114013 \& 0.263039 \& 0.320131 \& 0.230497 \& 3.859164 \& 4.162676 <br>
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 $\begin{array}{lllllllll}1000 & 987.7396 & 0.011103 & 0.241312 & 0.173487 & 0.206201 & 3.753869 & 3.886153 & 0.009265\end{array}$ $\begin{array}{llllllllll}1000 & 969.7426 & 0.010791 & 0.254161 & 0.212239 & 0.179616 & 4.062795 & 3.168446 & 0.006263\end{array}$ $\begin{array}{lllllllll}1000 & 998.1216 & 0.010818 & 0.276116 & 0.239383 & 0.246772 & 4.371929 & 4.025522 & 0.006773\end{array}$ $\begin{array}{lllllllll}1000 & 1045.376 & 0.013549 & 0.244371 & 0.332304 & 0.285443 & 4.851025 & 4.547205 & 0.014534\end{array}$ 

1000 \& 1045.367 \& 0.012851 \& 0.196765 \& 0.2152855 \& 0.238897 \& 4.562846 \& 3.954334 \& 0.004448 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 1280.101 & 0.026915 & 0.292592 & 0.211797 & 0.234731 & 5.258197 & 4.685163 & 0.006644 \\ 1000 & 899.7378 & 0.014312 & 0.196406 & 0.169459 & 0.204708 & 4.189719 & 3.767808 & 0.008285\end{array}$ $\begin{array}{lllllllllllll}1000 & 1070.657 & 0.024687 & 0.18805 & 0.188944 & 0.184424 & 3.908195 & 3.595372 & 0.0006833\end{array}$ $\begin{array}{llllllllll}000 & 1014.582 & 0.023506 & 0.230593 & 0.139935 & 0.218609 & 4.025671 & 4.183642 & 0.008566\end{array}$ $\begin{array}{lllllllll}1000 & 954.2934 & 0.025178 & 0.258562 & 0.238853 & 0.229 & 4.488569 & 4.196566 & 0.004271\end{array}$ $\begin{array}{llllllll}1000 & 1000.684 & 0.026536 & 0.228172 & 0.172442 & 0.208753 & 3.453388 & 3.784176 \\ 0.002964 \\ 1000 & 1019815 & 0.029295 & 0.292456 & 0.246787 & 0.21674 & 4.609303 & 4.067458 \\ 0\end{array}$ $\begin{array}{llllllll}1000 & 1019.815 & 0.029295 & 0.292456 & 0.246787 & 0.21674 & 4.609303 & 4.067458 \\ 0.005418\end{array}$ $\begin{array}{lllllllll}1000 & 1146.756 & 0.028036 & 0.207378 & 0.188151 & 0.272409 & 4.474873 & 4.484876 & 0.006226 \\ 1000 & 994.53 & 0.023897 & 0.200702 & 0.139162 & 0.181826 & 4.044265 & 3.896928 & 0.003887\end{array}$ $\begin{array}{llllllllll}1000 & 1060.23 & 0.02093 & 0.176405 & 0.185554 & 0.16882 & 3.869725 & 3.554664 & 0.008234\end{array}$ $\begin{array}{llllllllll}1000 & 1209.208 & 0.026093 & 0.245049 & 0.17588 & 0.229069 & 5.802512 & 4.378498 & 0.006711\end{array}$ $\begin{array}{lllllllll}1000 & 924.0248 & 0.024987 & 0.190508 & 0.175099 & 0.182011 & 4.237666 & 3.912039 & 0.006189\end{array}$ $\begin{array}{lllllllll}1000 & 1429.471 & 0.025546 & 0.24477 & 0.193027 & 0.194086 & 5.019348 & 4.68129 & 0.007909 \\ 1000 & 794.0508 & 0.026614 & 0.171503 & 0.118124 & 0.130157 & 3.414238 & 3.367143 & 0.005497\end{array}$ $\begin{array}{lllllllll}1000 & 794.0508 & 0.026614 & 0.171503 & 0.118124 & 0.130157 & 3.414238 & 3.367143 & 0.005497 \\ 1000 & 1076 & 195 & 0.016641 & 0.231163 & 0.115993 & 0.152441 & 5310839 & 4.297663 \\ 0 & 0.005185\end{array}$ $\begin{array}{lllllllll}1000 & 1076.195 & 0.016641 & 0.231163 & 0.115993 & 0.152441 & 5.310839 & 4.297663 & 0.005185 \\ 1000 & 1350.982 & 0.024547 & 0.190123 & 0.168708 & 0.21483 & 5.565156 & 4.905785 & 0.011541\end{array}$ $\begin{array}{lllllllllll}1000 & 1064.294 & 0.023459 & 0.152504 & 0.148836 & 0.172467 & 4.032194 & 4.047082 & 0.005492\end{array}$ $\begin{array}{llllllllll}1000 & 1048.433 & 0.016142 & 0.197312 & 0.087599 & 0.154425 & 5.588061 & 4.924862 & 0.004969\end{array}$ $\begin{array}{llllllll}1000 & 779.3201 & 0.011998 & 0.142919 & 0.15154 & 0.113842 & 4.088807 & 4.06081\end{array} 0.003973$ $\begin{array}{lllllllll}1000 & 1267.231 & 0.01052 & 0.187596 & 0.148675 & 0.174308 & 5.612284 & 5.653548 & 0.005331\end{array}$ $\begin{array}{lrlllllll}1000 & 984.133 & 0.007463 & 0.122051 & 0.106466 & 0.111916 & 4.745009 & 3.737817 & 0.005474 \\ 1000 & 866.5566 & 0.015379 & 0.162894 & 0.094288 & 0.162635 & 4.356993 & 3.594729 & 0.002904\end{array}$ $\begin{array}{llllllll}1000 & 866.5566 & 0.015379 & 0.162894 & 0.094288 & 0.162635 & 4.356993 & 3.594729\end{array} 0.002904$ $\begin{array}{lllllllll}1000 & 878.3817 & 0.017782 & 0.199464 & 0.102012 & 0.17007 & 4.557533 & 4.046012 & 0.006424\end{array}$ $\begin{array}{lllllllll}1000 & 899.8788 & 0.018364 & 0.202573 & 0.155946 & 0.153498 & 4.794368 & 3.575461 & 0.009074\end{array}$ $\begin{array}{llllllll}1000 & 785.2335 & 0.016471 & 0.124258 & 0.135173 & 0.114097 & 3.008184 & 3.055904\end{array} 0.005686$ $\begin{array}{llllllll}1000 & 1146.325 & 0.023129 & 0.209429 & 0.171437 & 0.179639 & 4.268969 & 4.070184 \\ 1000 & 0.004073\end{array}$ $\begin{array}{llllllll}1000 & 1160.893 & 0.021398 & 0.161281 & 0.124693 & 0.178799 & 5.218053 & 4.7341 \\ 1000 & 844.0412 & 0.014275 & 0.141259 & 0.088581 & 0.148812 & 4.378448 & 4.117405 \\ 0.005865\end{array}$ $\begin{array}{lllllllll}1000 & 941.2491 & 0.017511 & 0.118672 & 0.0077054 & 0.131749 & 4.287577 & 3.900323 & 0.00387\end{array}$ $\begin{array}{llllllllll}1000 & 1055.242 & 0.023084 & 0.230559 & 0.143869 & 0.166712 & 4.50386 & 4.187156 & 0.003754\end{array}$ $\begin{array}{lllllllll}1000 & 813.5653 & 0.018678 & 0.152329 & 0.069071 & 0.156134 & 4.661793 & 4.209747 & 0.006546\end{array}$ $\begin{array}{lllllllll}1000 & 1155.692 & 0.024364 & 0.150401 & 0.131145 & 0.142138 & 4.880645 & 4.346874 & 0.009242 \\ 1000 & 8032592 & 0.1423\end{array}$

 $\begin{array}{llllllll}1000 & 1009.018 & 0.018867 & 0.111715 & 0.105081 & 0.136895 & 4.281863 & 3.515314\end{array} 0.007696$ $\begin{array}{lllllllll}1000 & 1021.369 & 0.02396 & 0.170572 & 0.249745 & 0.187214 & 4.869233 & 4.657215 & 0.009582\end{array}$ $\begin{array}{llllllllll}1000 & 1191.683 & 0.019875 & 0.173814 & 0.131799 & 0.172807 & 3.866749 & 4.132857 & 0.006975\end{array}$ $\begin{array}{lllllllllll}1000 & 999.9997 & 0.019141 & 0.251581 & 0.178114 & 0.229407 & 5.318899 & 4.29707 & 0.007298\end{array}$ $\begin{array}{llllllll}1000 & 11.94 .818 & 0.018643 & 0.24092 & 0.193227 & 0.21059 & 4.985365 & 3.952712\end{array} 0.010609$ $\begin{array}{lllllllll}1000 & 879.9289 & 0.020834 & 0.207859 & 0.162041 & 0.238346 & 3.871047 & 3.329031 & 0.007163 \\ 1000 & 1112.665 & 0.02352 & 0.285902 & 0.245787 & 0.330938 & 5.404219 & 4.374673 & 0.010084\end{array}$ $\begin{array}{lllllllll}1000 & 1112.665 & 0.023529 & 0.285902 & 0.245787 & 0.330938 & 5.404219 & 4.374673 & 0.010084 \\ 1000 & 1067.087 & 0.017745 & 0.294334 & 0.262441 & 0.306812 & 4.344388 & 3.868881 & 0.01216\end{array}$ $\begin{array}{llllllllllll}1000 & 1060.982 & 0.031802 & 0.325263 & 0.251968 & 0.243449 & 4.917541 & 4.578383 & 0.016788\end{array}$ $\begin{array}{llllllllll}1000 & 1069.075 & 0.024819 & 0.301229 & 0.25301 & 0.304782 & 4.327859 & 4.025309 & 0.010582\end{array}$ $\begin{array}{llllllll}1000 & 735.8094 & 0.02306 & 0.23345 & 0.181454 & 0.242795 & 4.18875 & 3.836179\end{array} 0.006787$



$\begin{array}{lllll}0.054452 & 0.167442 & 1.147109 & 0.957988 \\ 0.047765 & 0.135785 & 0.890132 & 0.83595\end{array}$ $\begin{array}{lllll}0.047765 & 0.135785 & 0.890132 & 0.80359 \\ 0.029043 & 0.150983 & 0.909383 & 1.348667\end{array}$ $0.0405210 .122778 \quad 0.7091520 .90311$ $0.038858 \quad 0.113438 \quad 0.959051 \quad 0.833155$ $\begin{array}{lllll}0.062176 & 0.144101 & 0.635134 & 0.945146\end{array}$ 0.043038 O. 195459 $\begin{array}{llll}0.043038 & 0.195869 & 1.008632 & 0.68822 \\ 0.039192 & 0.127507 & 0.90826 & 0.793892\end{array}$ $\begin{array}{llllllll}0.054428 & 0.122745 & 0.967886 & 1.23334\end{array}$ $\begin{array}{lllll}0.032616 & 0.11451 & 1.134184 & 0.837192\end{array}$ $\begin{array}{llllllllll}0.037427 & 0.12716 & 0.702446 & 0.936325\end{array}$ $\begin{array}{lllll}0.03464 & 0.156896 & 0.828686 & 0.88623\end{array}$ $\begin{array}{lllll}0.05086 & 0.205644 & 1.192288 & 1.28189\end{array}$ $0.04417 \quad 0.1769610 .850182 \quad 0.874515$ $\begin{array}{llllll}0.054229 & 0.188864 & 1.303788 & 1.641669\end{array}$ $0.054628 \quad 0.2236531 .1907450 .69429$ 0.0423720 .1231130 .5894410 .59946 0.0641820 .1772211 .0270470 .72475 $\begin{array}{llll}0.07673 & 0.155917 & 0.877254 & 0.839649 \\ 0.048459 & 0.153684 & 0.877117 & 1.041939\end{array}$ $\begin{array}{llllllll}0.047349 & 0.223627 & 0.802671 & 0.61498\end{array}$ $\begin{array}{lllll}0.028942 & 0.180082 & 0.72284 & 0.86443\end{array}$ $0.060725 \quad 0.1859980 .6881220 .75702$ $\begin{array}{llllll}0.041332 & 0.176815 & 0.622769 & 0.9618\end{array}$ $\begin{array}{llll}0.053518 & 0.168232 & 0.740899 & 0.885745\end{array}$ $\begin{array}{llll}0.053643 & 0.136009 & 0.800342 & 0.750833 \\ 0.042661 & 0.1606 & 0.596754 & 0.55689\end{array}$ $\begin{array}{lllll}0.044198 & 0.188572 & 0.524222 & 0.710122\end{array}$ 0.0307650 .1760440 .5487150 .58674 $0.0238610 .104070 .526354 \quad 0.45698$ $\begin{array}{lllll}0.023901 & 0.193894 & 0.628269 & 0.608296\end{array}$ 0.0428370 .1178810 .6874320 .50125 $\begin{array}{lllll}0.018661 & 0.147047 & 0.530999 & 0.68533\end{array}$ $\begin{array}{llllll}0.030771 & 0.175747 & 0.724207 & 0.706533\end{array}$ 0.024210 .1464940 .6821040 .73669 0.034210 .1785480 .7189990 .53678 | 0.038375 | 0.20737 | 0.759006 | 0.70976 |
| :--- | :--- | :--- | :--- | 0.0485170 .2248560 .6458190 .83446 $\begin{array}{lllll}0.053726 & 0.269044 & 1.018621 & 1.104897\end{array}$ $\begin{array}{lllll}0.035869 & 0.164358 & 1.009294 & 1.039742\end{array}$ 0.0321850 .1400290 .6582250 .67381 0.0559790 .1862930 .9631650 .80854 $\begin{array}{lllll}0.033679 & 0.144078 & 0.926106 & 0.807238\end{array}$ 0.064330 .251774 $\begin{array}{llllll}0.036754 & 0.111521 & 0.688906 & 0.919165\end{array}$ $\begin{array}{lllllllllll}0.051731 & 0.22192 & 0.796997 & 1.234697\end{array}$ $0.044736 \quad 0.1621690 .664495 \quad 0.795295$ $\begin{array}{llll}0.048656 & 0.20356 & 0.708081 & 0.787965\end{array}$ $\begin{array}{llll}0.032215 & 0.166213 & 0.589288 & 0.681713\end{array}$ $\begin{array}{lllll}0.050251 & 0.200513 & 0.737213 & 0.88846 \\ 0.02674 & 0.145842 & 0.61011 & 0.662919\end{array}$ $\begin{array}{lllll}0.034126 & 0.141042 & 0.562006 & 0.80678 \\ 0\end{array}$ 0.0304810 .1768650 .6910740 .81673 $\begin{array}{lllll}0.038151 & 0.309647 & 0.99068 & 0.77400\end{array}$ 0.0319820 .1544090 .7214220 .86362 $\begin{array}{llll}0.054306 & 0.21826 & 0.589918 & 0.91306 \\ 0.045979 & 0.216555\end{array}$ $0.047005 \quad 0.2388540 .9618760^{0} 675026$ $\begin{array}{llllll}0.044668 & 0.173108 & 1.031356 & 1.186786\end{array}$ $0.050268 \quad 0.1858420 .9513460 .87804$ 0.0400560 .1138690 .7789360 .776443


$\begin{array}{lllllllll}1000 & 11266.654 & 0.028117 & 0.334911 & 0.265864 & 0.34783 & 4.186146 & 4.381344 & 0.014039 \\ 1000 & 798.0345 & 0.021655 & 0.339008 & 0.274313 & 0.365037 & 4.070693 & 4.309528 & 0.0103229\end{array}$ $\begin{array}{lllllllll}1000 & 798.0345 & 0.021655 & 0.339008 & 0.274313 & 0.365037 & 4.070693 & 4.309528 & 0.010329 \\ 1000 & 982.629 & 0.034506 & 0.412681 & 0.325193 & 0.376071 & 4.820116 & 4.398482 & 0.009824\end{array}$ $\begin{array}{lllllllll}1000 & 763.816 & 0.018169 & 0.298743 & 0.227528 & 0.267996 & 4.1958 & 3.574581 & 0.010352\end{array}$ $\begin{array}{lllllllll}1000 & 767.9018 & 0.027271 & 0.310338 & 0.273691 & 0.31844 & 4.012235 & 3.965238 & 0.013013\end{array}$ $\begin{array}{llllllll}1000 & 976.3649 & 0.028649 & 0.387217 & 0.324862 & 0.315676 & 4.133195 & 4.346009 \\ 0.014528\end{array}$ $\begin{array}{lllllllll}1000 & 1027.01 & 0.033827 & 0.368895 & 0.380438 & 0.35267 & 4.879267 & 5.488687 & 0.010513\end{array}$ $\begin{array}{lllllllll}1000 & 892.4944 & 0.025112 & 0.284951 & 0.232948 & 0.239313 & 4.352085 & 3.871602 & 0.008126 \\ 1000 & 1166.936 & 0.029707 & 0.308014 & 0.259425 & 0.296141 & 4.649275 & 4.711175 & 0.008408\end{array}$ $\begin{array}{lllllllllll}1000 & 1018.299 & 0.026069 & 0.368005 & 0.34684 & 0.29259 & 5.438504 & 4.251696 & 0.017786\end{array}$ $\begin{array}{lllllllllllll}1000 & 912.3184 & 0.024279 & 0.292976 & 0.228395 & 0.302924 & 4.775341 & 3.916923 & 0.009553\end{array}$ $\begin{array}{lllllllll}1000 & 858.877 & 0.019718 & 0.260882 & 0.327642 & 0.281572 & 4.255732 & 3.929101 & 0.012369\end{array}$ $\begin{array}{lllllllll}1000 & 787.7402 & 0.02729 & 0.264036 & 0.243982 & 0.262055 & 3.817379 & 3.798655 & 0.008436\end{array}$ $\begin{array}{lllllllll}1000 & 1354.813 & 0.04061 & 0.351737 & 0.301889 & 0.308425 & 6.938064 & 5.200529 & 0.014987\end{array}$ | 1000 | 1161.693 | 0.04199 | 0.357383 | 0.289557 | 0.295826 | 5.261409 | 4.740534 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 955.3591 | 0.024611 | 0.260728 | 0.263772 | 0.252748 | 4.158946 | 4.279664 | $\begin{array}{lllllllll}1000 & 1206.35 & 0.030205 & 0.337744 & 0.223877 & 0.33649 & 5.176094 & 4.436522 & 0.01639\end{array}$ $\begin{array}{llllllllll}1000 & 1196.872 & 0.0392 & 0.234546 & 0.157429 & 0.260598 & 4.506187 & 5.641552 & 0.011871\end{array}$ $\begin{array}{lllllllll}1000 & 607.7227 & 0.02155 & 0.214628 & 0.14327 & 0.184876 & 3.7883 & 3.315495 & 0.012985 \\ & 1000 & 9562041 & 0.03823 & 0.267175 & 0.20976 & 0.206329 & 4.36355 & 4.51558 \\ 0 & 0.013622\end{array}$ $\begin{array}{llllllll}1000 & 956.2041 & 0.032823 & 0.267175 & 0.20976 & 0.206329 & 4.363555 & 4.515586 \\ 0 & 0.013622\end{array}$ $\begin{array}{lllllllll}1000 & 949.9462 & 0.031611 & 0.218323 & 0.192149 & 0.204651 & 5.02148 & 4.085071 & 0.012138 \\ 1000 & 1364.507 & 0.027093 & 0.234979 & 0.205037 & 0.200792 & 4.515575 & 4.371925 & 0.013608\end{array}$ $\begin{array}{lllllllll}1000 & 1058.04 & 0.018327 & 0.160349 & 0.111794 & 0.206589 & 3.871879 & 3.300077 & 0.015195\end{array}$ $\begin{array}{lllllllll}1000 & 1078.72 & 0.02275 & 0.191701 & 0.161823 & 0.188376 & 4.988262 & 3.842239 & 0.013722\end{array}$ $\begin{array}{llllllllll}1000 & 965.6713 & 0.030166 & 0.195291 & 0.197199 & 0.180807 & 5.035964 & 4.250945 & 0.012017\end{array}$ $\begin{array}{llllllllll}1000 & 1072.043 & 0.027667 & 0.1777858 & 0.185955 & 0.194526 & 4.376526 & 4.102067 & 0.015726\end{array}$ $\begin{array}{llllllll}1000 & 1330.587 & 0.028998 & 0.175591 & 0.151405 & 0.16934 & 4.699527 & 4.258517\end{array} 0.012162$ $\begin{array}{llllllll}1000 & 955.6159 & 0.026928 & 0.166447 & 0.17636 & 0.147275 & 4.812119 & 4.059104\end{array} 0.012266$ $\begin{array}{llllllllll}1000 & 1213.55 & 0.022339 & 0.119435 & 0.105147 & 0.116555 & 4.120534 & 4.276542 & 0.009114\end{array}$ $\begin{array}{llllllllllll}1000 & 1250.857 & 0.047865 & 0.109271 & 0.093465 & 0.087794 & 4.068297 & 3.873806 & 0.008164\end{array}$ $\begin{array}{llllllllll}1000 & 1039.867 & 0.008096 & 0.062706 & 0.066517 & 0.063311 & 2.832647 & 3.523883 & 0.004642\end{array}$ $\begin{array}{llllllll}1000 & 1268.701 & 0.015904 & 0.08875 & 0.10978 & 0.080338 & 5.261669 & 4.421388 \\ 0 & 0.00603\end{array}$ $\begin{array}{lllllllll}1000 & 1116.216 & 0.010769 & 0.088099 & 0.080874 & 0.107388 & 5.037243 & 3.900225 & 0.006722 \\ 1000 & 1312.76 & 0.012299 & 0.097028 & 0.094457 & 0.128864 & 4.907082 & 435685 & 0.007052\end{array}$ $\begin{array}{lllllllll}1000 & 1312.76 & 0.012299 & 0.097028 & 0.094457 & 0.128864 & 4.907082 & 4.356856 & 0.007052 \\ 1000 & 1123.28 & 0.011576 & 0.091698 & 0.106648 & 0.085483 & 4.507114 & 4.322502 & 0.00781\end{array}$ $\begin{array}{llllllllll}1000 & 1548.806 & 0.013916 & 0.076878 & 0.069786 & 0.063744 & 4.567558 & 3.352141 & 0.007359\end{array}$ $\begin{array}{llllllllll}1000 & 1080.274 & 0.015156 & 0.083142 & 0.111307 & 0.080806 & 4.061137 & 4.161156 & 0.00589\end{array}$ $\begin{array}{llllllll}1000 & 1048.411 & 0.016052 & 0.092309 & 0.039746 & 0.092764 & 4.669165 & 3.853519\end{array} 0.008019$ $\begin{array}{llllllll}1000 & 1182.067 & 0.015085 & 0.095889 & 0.117047 & 0.100804 & 4.86898 & 3.881833 \\ 0\end{array} 0.010678$ $\begin{array}{lllllllll}1000 & 855.1237 & 0.023734 & 0.111127 & 0.114649 & 0.079357 & 4.270312 & 4.335036 & 0.007843\end{array}$ $\begin{array}{lllllllll}1156.32 & 0.02634 & 0.145259 & 0.095891 & 0.18437 & 6.574604 & 4.64192 & 0.009592 \\ 1000 & 967.6981 & 0.029191 & 0.146085 & 0.135059 & 0.118647 & 6.320716 & 5.2258 & 0.012877\end{array}$ $\begin{array}{lllllllll}1000 & 894.3717 & 0.020291 & 0.111143 & 0.103881 & 0.101588 & 4.312987 & 4.184998 & 0.011301\end{array}$ $\begin{array}{lllllllllllll}1000 & 936.5144 & 0.016409 & 0.105033 & 0.071634 & 0.114068 & 3.758459 & 3.465484 & 0.009883\end{array}$ $\begin{array}{llllllll}1000 & 771.4383 & 0.019825 & 0.14565 & 0.111687 & 0.136335 & 5.73039 & 4.681063\end{array} 0.007011$ $\begin{array}{llllllll}1000 & 940.2346 & 0.013639 & 0.102807 & 0.074838 & 0.089292 & 4.040955 & 3.090989 \\ & 0.00851\end{array}$ $\begin{array}{llllllll}1000 & 1209.859 & 0.028278 & 0.152513 & 0.121556 & 0.143688 & 5.525746 & 4.577028 \\ 1000 & 1176.667 & 0.0212128 \\ & 0.02087 & 0.158501 & 0.08945 & 0.142673 & 4.730715 & 4.868561 & 0.011595\end{array}$ $\begin{array}{lllllllll}1000 & 1176.667 & 0.020087 & 0.158501 & 0.08945 & 0.142673 & 4.730715 & 4.868561 & 0.011595 \\ 1000 & 931.685 & 0.015608 & 0.104802 & 0.116117 & 0.11219 & 4.477329 & 4.184327 & 0.005929\end{array}$ $\begin{array}{llllllllll}1000 & 1147.45 & 0.022933 & 0.132653 & 0.172086 & 0.133138 & 5.142944 & 4.290276 & 0.006859\end{array}$ $1000 \quad 920.6235 \quad 0.0180510 .1395920 .1189960 .1013313 .764246$ 3.434532 0.011722 $\begin{array}{lllllllll}1000 & 1095.872 & 0.021224 & 0.13588 & 0.079096 & 0.117052 & 3.984469 & 4.301199 & 0.007327\end{array}$ $\begin{array}{llllllll}1000 & 886.6498 & 0.016349 & 0.113861 & 0.072994 & 0.09716 & 5.138956 & 3.981558 \\ 0 & 0.006762\end{array}$ $\begin{array}{lllllllll}1000 & 780.835 & 0.014088 & 0.110251 & 0.054979 & 0.09418 & 4.257682 & 4.201524 & 0.010039 \\ 1000 & 879.7362 & 0.015377 & 0.09088 & 0.110933 & 0.092869 & 3.821799 & 3.900391 & 0.011979\end{array}$ $\begin{array}{lllllllll}1000 & 794.2249 & 0.025011 & 0.113883 & 0.125107 & 0.096206 & 4.824734 & 4.1954 & 0.006621\end{array}$ $\begin{array}{llllllllllll}1000 & 1224.443 & 0.017805 & 0.090845 & 0.067176 & 0.11395 & 5.202131 & 3.688456 & 0.004007\end{array}$ $\begin{array}{lllllllll}1000 & 1364.637 & 0.025185 & 0.111781 & 0.091394 & 0.120912 & 5.656523 & 4.778494 & 0.005971\end{array}$ $\begin{array}{llllllll}1000 & 1085.273 & 0.018117 & 0.066374 & 0.115392 & 0.075362 & 5.176563 & 5.787125 \\ 0 & 0.006213\end{array}$ $\begin{array}{llllllllll}1000 & 1258.108 & 0.020201 & 0.08705 & 0.080189 & 0.082862 & 5.414709 & 4.744423 & 0.009318\end{array}$ | 1000 | 1099.955 | 0.028017 | 0.080869 | 0.093226 | 0.084367 | 5.566516 | 4.673871 | 0.006621 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 1394.912 | 0.023477 | 0.071097 | 0.092671 | 0.096878 | 4.905284 | 4.966636 | 0.008711 | $\begin{array}{llllllllllll}1000 & 1177.916 & 0.030226 & 0.105096 & 0.129366 & 0.108494 & 6.396319 & 5.124953 & 0.009056\end{array}$ $\begin{array}{lllllllll}1000 & 1066.94 & 0.024433 & 0.074405 & 0.07405 & 0.08329 & 5.113828 & 4.549049 & 0.004685\end{array}$ $\begin{array}{lllllllllll}1000 & 949.0776 & 0.017505 & 0.062297 & 0.066457 & 0.072269 & 4.469626 & 3.844143 & 0.006783\end{array}$


$\begin{array}{ll}435.6009 & 18.65626 \\ 435.9347 & 1867295\end{array}$ 436.268618 .68964 $\begin{array}{ll}436.6029 & 18.70636 \\ 436.9367 & 18.72305\end{array}$ 437.270518 .73974 $437.9387 \quad 18.77315$ 438.272518 .78984 438.606818 .80655 $\begin{array}{rrr}438.9407 & 18.82325 \\ 439.275 & 18.83996\end{array}$ 439.608818 .85665 439.942718 .87335
440.277
18.89006 $440.6108 \quad 18.90675$ 440.944618 .92344 $441.6138 \quad 188.9569$ $442.282 \quad 18.99031$ $442.6158 \quad 19.007$ $\begin{array}{ll}442.9496 & 19.02369 \\ 443.284 & 19.04041\end{array}$ 443.617819 .0571 443.951619 .07379 444.619819 .1072 444.953619 .12389 $445.6218 \quad 19.1573$ 945.2556 446.289919 .19071 446.957619 .22409 447.291919 .24081 $447.9596 \quad 19.27419$ $448.2939 \quad 19.29091$ 448.961519 .32429 449.296919 .34106 $\begin{array}{ll}449.6307 & 19.35775 \\ 449.9645 & 19.37444\end{array}$ 450.298919 .39116 450.632719 .40785 451.300919 .44126 $451.6347 \quad 19.45795$ 452.302919 .49136
452.6367

19.50805 452.97119 .52476 453.6386 19.55814 $453.973 \quad 19.57486$ $\begin{array}{ll}454.3068 & 19.59155 \\ 454.6406 & 19.60824\end{array}$ 454.97519 .62496 $\begin{array}{ll}455.3088 & 19.64165 \\ 455.6426 & 19.65834\end{array}$ 55.97719 .67506 456.644619 .70844 | 456.9789 |  |
| :--- | ---: |
| 45.7138 | 19.7419 |

$\begin{array}{rrrr}24 & 90.01 & 7472.97 & 50839.77 \\ 26 & 104.01 & 5690.42 & 58655\end{array}$
$\begin{array}{llll}26 & 104.01 & 5690.42 & 58365.93 \\ 85.01 & 68929 & 597639\end{array}$
$\begin{array}{lll}85.01 & 6892.9 & 57963.94 \\ 92.01 & 6885.8 & 60653.93\end{array}$ 72.01
94.01 $\begin{array}{r}7262.6 \\ 53913.1 \\ 563878 \\ \hline 55592.04\end{array}$ $5638.78 \quad 54542.04$ $\begin{array}{llll}134.02 & 6597.57 & 48309.36 \\ & 124.02 & 556285 & 5650.68\end{array}$ $\begin{array}{lll}124.02 & 5562.85 & 56590.68 \\ 107.01 & 5605.37 & 54321.82\end{array}$ $\begin{array}{lll}107.01 & 5605.37 & 54321.82 \\ 106.01 & 6062.18 & 50860.97\end{array}$ $\begin{array}{rrr}106.01 & 6062.18 & 50860.97 \\ 89.01 & 6584.38 & 49814.87\end{array}$ $\begin{array}{lll}6397.62 & 59982.87 \\ 5526.41 & 53120.14\end{array}$ $\begin{array}{ll}55265.41 & 53110.14 \\ 6544.39 \\ 53014.91\end{array}$ 6654.3953014 .91
572384593618 5723.8456936 .18

6597.5752049 .08 $\begin{array}{ll}6597.57 & 52049.08 \\ 6498.15 \\ 53244.62\end{array}$ | 1 | 7738.36 | 53247.62 |  |
| :--- | :--- | :--- | :--- |
| 1 | 5855.8 |  |  |
|  | 5855 |  |  | $\begin{array}{cc}738.36 & 53735.8 \\ 5855.5 & 68832.9\end{array}$ $\begin{array}{lll}110.01 & 7580.73 & 58194.9 \\ 119\end{array}$ $\begin{array}{rrrr}119.02 & 6637.14 & 54820.84 \\ 91.01 & 6206.11 & 52851.38\end{array}$ $\begin{array}{lll}6206.11 & 52851.38 \\ 7179.29 & 49834.9\end{array}$ $\begin{array}{lll}16990.46 & 51188.96\end{array}$ $\begin{array}{lll}124.01 & 6860.42 & 58429.3\end{array}$ $\begin{array}{llll}100.01 & 7244.31 & 58406.71\end{array}$ $\begin{array}{lll}112.01 & 7003.58 & 64496.83 \\ 110.01 & 7539.05 & 52758.44\end{array}$ $\begin{array}{llll}7539.05 & 52758.44 \\ 5820.05 & 58679.81\end{array}$ $\begin{array}{llll}123.02 & 6735.57 & 54682.55\end{array}$ 123.02

104.01
10101 101.01
136.02 1366.02
111.01 111.01

102.01 \begin{tabular}{lrr}
1102.01 \& 7068.57 \& 51063.86 <br>
128537 <br>
121.02 \& \& <br>
\hline

 

121.02 \& 6584.38 \& 55839.59 <br>
155.03 \& -653.2 \& <br>
\hline

 $\begin{array}{llll}155.03 & 7652.93 & 63638.32 \\ 161.03 & 6738.61 & 56833.41\end{array}$ $\begin{array}{lll}161.03 & 6738.61 & 56833.41 \\ 172.03 & 8054.79 & 65159.24\end{array}$ $\begin{array}{llll}189.04 & 8210.44 & 603506.55\end{array}$ $\begin{array}{llll}126.02 & 7503.46 & 603339.89\end{array}$ $132.02 \quad 6915.24 \quad 61023.98$ $\begin{array}{llll}114.01 & 7575.65 & 54190.41 \\ 140.02 & 73733 & \end{array}$ $\begin{array}{lll}140.02 & 7373.36 & 59148.19 \\ 120.02 & 873621\end{array}$ $\begin{array}{lll}120.02 & 8736.21 & 61049.04 \\ 122.02 & 7477.03 & 50837.41\end{array}$ $\begin{array}{llll}122.02 & 7477.03 & 59837.41 \\ & 105.01 & 770.84 & 5578325\end{array}$ $\begin{array}{lll}105.01 & 7707.84 & 55783.25 \\ 107.01 & 8912.58 & 60160.21\end{array}$ $\begin{array}{llll}137.01 & 89123.98 & 64160.21 \\ & 6469.3\end{array}$ $\begin{array}{llll}123.02 & 7208.75 & 656859.67\end{array}$ $\begin{array}{llll}1166.01 & 8176.94 & 62568.73\end{array}$ $\begin{array}{lll}123.02 & 7279.87 & 55614.27 \\ & 722565 & 6730.03\end{array}$ $\begin{array}{rrr}126.02 & 7225 & 63770.03 \\ 160.03 & 7041.15 & 59622.7\end{array}$ $\begin{array}{llll}160.03 & 7041.15 & 59622.7 \\ 133.02 & 8012.04 & 62821.32\end{array}$ $\begin{array}{llll}133.02 & 8012.04 & 62821.32 \\ 142.02 & 7883.83 & 66593.91\end{array}$ $\begin{array}{lll}1432.02 & 8883.83 & 68593.91 \\ 165.03 & 6287.21 & 58457.69\end{array}$ $\begin{array}{llll}133.02 & 7671.23 & 57767.04 \\ & 122.02 & 6757.3 & 6422.43\end{array}$ 

122.02 \& 6757.9 \& 57005.07 <br>
\hline 131.02 \& 749953 \& 6420.43
\end{tabular} $\begin{array}{lll}131.02 & 7495.33 & 64220.43 \\ 109.01 & 7766.84 & 53169.53\end{array}$ $\begin{array}{lll}1309.01 & 7766.84 & 53169.53 \\ 113.01 & 6888.84 & 60549.23\end{array}$ $\begin{array}{lllll}22 & 99.01 & 7674.28 & 64473.89\end{array}$ $23 \quad 112.01 \quad 6614.81 \begin{array}{llll}53999.53\end{array}$



$\begin{array}{llll}0.046996 & 0.216165 & 0.721962 & 0.92719\end{array}$ $\begin{array}{lllll}0.015911 & 0.139514 & 0.467051 & 0.48041 \\ 0.040228 & 0.153088 & 0.743762 & 0.55088\end{array}$ $0.023315 \quad 0.1166130 .464664 \quad 0.793923$ $\begin{array}{lllllll}0.047126 & 0.213725 & 0.897426 & 0.83318\end{array}$ $\begin{array}{llll}0.04323 & 0.19045 & 0.754772 & 0.855488\end{array}$ $\begin{array}{lllll}0.046435 & 0.226128 & 0.7473708 & 0.995787\end{array}$ $\begin{array}{lllll}0.038425 & 0.17134 & 0.591111 & 1.255896 \\ 0.02852 & 0.171304 & 0.851427 & 0.682306\end{array}$ $\begin{array}{llllll}0.024909 & 0.116741 & 0.455603 & 0.449354\end{array}$ 0.0529890 .1956740 .6278970 .6025 0.036140 .1485710 .460360 .745016 $\begin{array}{lllll}0.032979 & 0.148964 & 0.881403 & 0.597422\end{array}$ $\begin{array}{lllll}0.039406 & 0.194493 & 0.680377 & 0.543036\end{array}$ 0500110.1853750 .5212070 .555063 $\begin{array}{llllll}0.063495 & 0.2577 & 0.934511 & 0.679753\end{array}$ $0.03555 \quad 0.1853730 .5534270 .629463$ 0.0286030 .0973050 .5991280 .490656 0.0310850 .1295870 .7270750 .696698 $\begin{array}{llll}0.039276 & 0.153687 & 0.731733 & 0.692497\end{array}$ $\begin{array}{lllllll}0.048751 & 0.13753 & 0.522152 & 0.68559\end{array}$ $\begin{array}{lllll}0.0454 & 0.154931 & 0.83656 & 0.899546\end{array}$ $\begin{array}{lllll}0.036562 & 0.145938 & 0.751841 & 0.51580\end{array}$ $0.037127 \quad 0.1542460 .716325 \quad 0.659105$ $\begin{array}{llll}0.039031 & 0.110597 & 0.592803 & 0.728122\end{array}$ $\begin{array}{llll}0.044276 & 0.198905 & 0.844412 & 1.025589 \\ 0.042017 & 0.2165 & 0.854573 & 0.806579\end{array}$ $\begin{array}{lllll}0.068505 & 0.24663 & 0.995123 & 0.892956\end{array}$ $0.045952 \quad 0.207249 \quad 0.875192 \quad 1.0249$ $\begin{array}{llllll}0.03624 & 0.148082 & 0.553856 & 0.64886\end{array}$ $\begin{array}{lllll}0.042448 & 0.17653 & 0.817054 & 0.652363\end{array}$ $\begin{array}{llll}0.035526 & 0.157692 & 0.669182 & 0.759991\end{array}$ $\begin{array}{lllll}0.043383 & 0.13464 & 0.776468 & 0.97122 \\ 0.092347 & 0.227082 & 0.692178 & 0.971963\end{array}$ $\begin{array}{llllll}0.048524 & 0.178747 & 0.978688 & 1.128035\end{array}$ $\begin{array}{llllll}0.05361 & 0.175871 & 0.776692 & 0.961278\end{array}$ $\begin{array}{lllllll}0.045327 & 0.197999 & 1.053009 & 1.130895\end{array}$ $\begin{array}{lllll}0.051248 & 0.160541 & 0.856223 & 0.706555\end{array}$ $\begin{array}{llll}0.038478 & 0.156166 & 0.585625 & 0.90426\end{array}$ $\begin{array}{llllll}0.04588 & 0.235797 & 0.7427 & 1.059073 \\ 0.0461434 & 0.143486 & 0.697826 & 0.712052\end{array}$ 0.0738070 .1465260 .7474991 .063658 0.052320 .1884980 .7606941 .01021 $\begin{array}{lllll}0.035287 & 0.130457 & 0.491806 & 0.53947\end{array}$ $\begin{array}{lllll}0.042801 & 0.162878 & 1.237549 & 0.946642\end{array}$ $\begin{array}{lllll}0.0676 & 0.222345 & 0.89454 & 0.88666\end{array}$ $\begin{array}{lllll}0.043963 & 0.165595 & 1.166489 & 1.067782\end{array}$ 0.0903370 .1282110 .9842991 .398436 $0.054668 \quad 0.155223 \quad 0.8594891 .013182$ 0.037310 .1916990 .7448240 .57290 $\begin{array}{lllll}0.065793 & 0.19858 & 1.320503 & 1.079871\end{array}$ $\begin{array}{lllll}047888 & 0.192832 & 1.191281 & 0.921542\end{array}$ $\begin{array}{llllll}0.049429 & 0.180207 & 0.875119 & 0.971408\end{array}$ $0.056035 \quad 0.223455 \quad 1.231975 \quad 0.986978$ $\begin{array}{llll}0.051786 & 0.213651 & 0.831226 & 0.88167\end{array}$ $\begin{array}{lllll}0.042652 & 0.16145 & 0.670545 & 0.683796\end{array}$ $\begin{array}{lllll}0.042845 & 0.146204 & 0.6318 & 0.749234\end{array}$ | 0.06873 | 0.204525 | 1.279397 | 0.81332 |
| :--- | :--- | :--- | :--- | :--- |
| 0.077464 | 0.20369 | 0.794485 | 1.120912 | $\begin{array}{lllll}0.058758 & 0.188743 & 0.788428 & 0.911916\end{array}$ 0.074790 .3215110 .732590 .76286 0.0683780 .196280 .8834110 .85686


$\begin{array}{lllllllll}1000 & 1176.934 & 0.026014 & 0.073778 & 0.114158 & 0.07976 & 6.156727 & 4.514868 & 0.005469\end{array}$ $\begin{array}{llllllll}1000 & 799.3071 & 0.0132999 & 0.068335 & 0.073137 & 0.056587 & 2.757989 & 3.0599933 \\ 0 & 0.0006538 \\ 1000 & 1287.318 & 0.019935 & 0.076653 & 0.067436 & 0.066332 & 5.08496 & 4.613333 \\ 0.004902\end{array}$ $\begin{array}{llllllll}1000 & 805.5708 & 0.017544 & 0.068811 & 0.065782 & 0.063526 & 4.38753 & 4.16989\end{array} 0.003304$ $\begin{array}{llllllll}1000 & 1601.512 & 0.027017 & 0.093321 & 0.038144 & 0.109082 & 5.190989 & 4.945041\end{array} 0.007003$ $\begin{array}{llllllll}1000 & 1420.712 & 0.027841 & 0.091525 & 0.130116 & 0.059696 & 6.044909 & 4.838578 \\ 0 & 0.009978\end{array}$ $\begin{array}{lllllllll}1000 & 1502.777 & 0.028693 & 0.11784 & 0.115385 & 0.085264 & 4.678431 & 4.895699 & 0.006337\end{array}$ $\begin{array}{lllllllll}1000 & 1065.349 & 0.0343755 & 0.105833 & 0.055866 & 0.120048 & 4.998596 & 3.951164 & 0.006143 \\ 1000 & 906.649 & 0.026883 & 0.104848 & 0.135745 & 0.112553 & 4.323448 & 4.759205 & 0.009729\end{array}$ $\begin{array}{lllllllll}1000 & 674.5531 & 0.0205446 & 0.070505 & 0.034804 & 0.067866 & 3.144409 & 3.296976 & 0.006201\end{array}$ $\begin{array}{lllllllll}000 & 1203.303 & 0.036583 & 0.109364 & 0.075143 & 0.092066 & 4.672605 & 4.23674 & 0.009637\end{array}$ $\begin{array}{lllllllll}1000 & 823.353 & 0.028584 & 0.084321 & 0.116995 & 0.066415 & 4.576135 & 3.737522 & 0.007327\end{array}$ | 1000 | 768.1145 | 0.0206673 | 0.063627 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 917.9325 | 0.051789 | 0.0833945 | 4.158538 | 4.21068 | 0.006222 | $\begin{array}{llllllll}1000 & 917.9325 & 0.025378 & 0.075698 & 0.091721 & 0.078771 & 4.177792 & 4.344909\end{array} 0.007989$ $\begin{array}{lllllllll} & 10004.538 & 0.023044 & 0.051708 & 0.051255 & 0.062545 & 4.626486 & 3.978543 & 0.008005 \\ 1000 & 942.0977 & 0.042782 & 0.102854 & 0.079869 & 0.109317 & 4.685498 & 5.041143 & 0.007449\end{array}$ $\begin{array}{lllllllllll}1000 & 1510.002 & 0.027353 & 0.107016 & 0.129568 & 0.096642 & 5.676368 & 4.834256 & 0.013677\end{array}$ $\begin{array}{lllllllll}1000 & 972.6957 & 0.030423 & 0.10131 & 0.109742 & 0.092618 & 4.927903 & 4.35976 & 0.009473\end{array}$ $\begin{array}{llllllllll}1000 & 990.897 & 0.024014 & 0.092193 & 0.064743 & 0.067248 & 5.154451 & 3.856699 & 0.009274\end{array}$ $\begin{array}{lllllllll}1000 & 907.9842 & 0.02221 & 0.066247 & 0.119486 & 0.06245 & 3.877248 & 4.713379 & 0.004409\end{array}$ $\begin{array}{lllllllll}1000 & 1115.431 & 0.022386 & 0.093956 & 0.066255 & 0.096726 & 5.880376 & 4.86514 & 0.009672 \\ 1000 & 1518.839 & 0.025672 & 0.112671 & 0.07217 & 0.115981 & 5.599257 & 4.992206 & 0.010946\end{array}$ $\begin{array}{lllllllll}1000 & 975.1334 & 0.025594 & 0.073323 & 0.049565 & 0.066119 & 4.168791 & 3.835525 & 0.004797\end{array}$ $\begin{array}{llllllllll}1000 & 1496.745 & 0.023486 & 0.104343 & 0.125304 & 0.086485 & 5.979712 & 4.476266 & 0.007962\end{array}$ $\begin{array}{llllllll}1000 & 947.5631 & 0.018432 & 0.072429 & 0.081374 & 0.085068 & 4.036578 & 3.384619\end{array} 0.004072$ $\begin{array}{lllllllll}1000 & 1121.818 & 0.019918 & 0.072376 & 0.105915 & 0.095525 & 5.024625 & 4.617464 & 0.011993\end{array}$ $\begin{array}{llllllll}1000 & 795.6679 & 0.019841 & 0.078285 & 0.074346 & 0.06814 & 4.45501 & 3.87305 \\ 0.0006177\end{array}$ $\begin{array}{llllllll}1000 & 990.8805 & 0.031086 & 0.089276 & 0.08922 & 0.098967 & 5.431941 & 5.39616 \\ 1000 & 911.0924 & 0.019514 & 0.127218 & 0.125075 & 0.096182 & 5.814751 & 4.385801 \\ 0.005869\end{array}$ $\begin{array}{llllllllllllll}1000 & 1664.708 & 0.033774 & 0.116791 & 0.099897 & 0.070798 & 5.041957 & 5.497034 & 0.01126\end{array}$ $\begin{array}{lllllllll}1000 & 1132.028 & 0.02687 & 0.117519 & 0.134491 & 0.133 & 6.262738 & 5.487266 & 0.012514\end{array}$ $\begin{array}{llllllllll}1000 & 930.0008 & 0.020326 & 0.062277 & 0.048969 & 0.09503 & 3.704407 & 4.361925 & 0.005385\end{array}$ $\begin{array}{lllllllll}1000 & 873.9919 & 0.026622 & 0.068116 & 0.088372 & 0.081113 & 4.614343 & 4.303496 & 0.007678\end{array}$ $\begin{array}{llllllll}1000 & 790.7411 & 0.02093 & 0.084963 & 0.049526 & 0.069851 & 4.104687 & 3.665689 \\ 0\end{array} 0.004437$ $\begin{array}{lllllllll}1000 & 1069.928 & 0.022639 & 0.085292 & 0.096828 & 0.107912 & 4.140476 & 3.894542 & 0.010638 \\ 1000 & 1261.71 & 0.029166 & 0.135075 & 0.143526 & 0.120369 & 7.789564 & 6.2825 & 0.01515\end{array}$ $\begin{array}{llllllllllll}1000 & 1035.36 & 0.025428 & 0.115209 & 0.107998 & 0.092444 & 5.750809 & 5.136783 & 0.022022\end{array}$ $\begin{array}{lllllllll}1000 & 1005.617 & 0.032449 & 0.115978 & 0.068364 & 0.098484 & 4.622315 & 4.23183 & 0.013893\end{array}$ $\begin{array}{lllllllll}1000 & 920.345 & 0.029078 & 0.121763 & 0.148385 & 0.136732 & 5.581485 & 5.001638 & 0.013699\end{array}$ $\begin{array}{llllllll}1000 & 10445.282 & 0.0296944 & 0.124607 & 0.110866 & 0.13391 & 4.600709 & 4.187677 \\ 1000 & 0.012843 \\ 1084.039 & 0.025781 & 0.121792 & 0.186419 & 0.111304 & 4.209298 & 3.67747 & 0.010826\end{array}$ $\begin{array}{lllllllll}1000 & 684.0395 & 0.025781 & 0.121792 & 0.186419 & 0.110304 & 4.209298 & 3.66747 & 0.010826\end{array}$ $\begin{array}{lllllllll}1000 & 906.0594 & 0.027887 & 0.120135 & 0.163644 & 0.165012 & 6.481675 & 5.321979 & 0.014901 \\ 1000 & 946.3319 & 0.018801 & 0.105504 & 0.103601 & 0.087562 & 4.468122 & 3.872877 & 0.010319\end{array}$ $\begin{array}{lllllllll}1000 & 944.4301 & 0.027465 & 0.10938 & 0.097926 & 0.109841 & 4.882732 & 4.648724 & 0.013965\end{array}$ $\begin{array}{lllllllll}1000 & 1099.013 & 0.023724 & 0.126583 & 0.106265 & 0.095841 & 5.573221 & 4.296631 & 0.012033\end{array}$ $1000 \quad 799.0610 .0224070 .0729310 .0709190 .089055 \quad 3.941142 \quad 3.4083890 .004848$ $\begin{array}{llllllll}1000 & 1301.573 & 0.028532 & 0.09997 & 0.04392 & 0.108946 & 6.874138 & 5.169609 \\ & 0.007888\end{array}$ $\begin{array}{llllllll}1000 & 1408.553 & 0.031425 & 0.093489 & 0.118607 & 0.107371 & 5.674792 & 4.895268 \\ 1000 & 1344.016 & 0.0353047 \\ & 0.03506 & 0.10387 & 0.106575 & 0.094588 & 6194367 & 4.830647 & 0.016656\end{array}$ $\begin{array}{lllllllll}1000 & 1452.311 & 0.033557 & 0.145106 & 0.1812555 & 0.10735 & 7.952331 & 5.775663 & 0.01154\end{array}$ $\begin{array}{llllllllllll}1000 & 1369.956 & 0.027691 & 0.118024 & 0.106657 & 0.113715 & 6.451025 & 5.130464 & 0.008489\end{array}$ $\begin{array}{llllllll}1000 & 991.0965 & 0.027012 & 0.091235 & 0.128972 & 0.102427 & 5.166143 & 5.076226\end{array} 0.015561$ $1000696.111700 .0199350 .0819730 .04332530 .0673834 .144065 \quad 3.4147640 .009021$ $\begin{array}{lllllllll}1000 & 1303.179 & 0.043049 & 0.135136 & 0.179719 & 0.119247 & 6.074506 & 5.003659 & 0.012437\end{array}$ $\begin{array}{lllllllll}1000 & 10366.75 & 0.033493 & 0.141158 & 0.121978 & 0.106716 & 5.241156 & 4.988366 & 0.017867 \\ 1000 & 1477.976 & 0.333718 & 0.164727 & 0.123465 & 0.159699 & 5777286 & 5.276858 & 0.012633\end{array}$ $\begin{array}{lllllllllllll}1000 & 971.0732 & 0.027949 & 0.140126 & 0.174244 & 0.108976 & 5.571907 & 4.705727 & 0.015083\end{array}$ $\begin{array}{lllllllllll}1000 & 903.5981 & 0.024504 & 0.151881 & 0.109932 & 0.114809 & 5.347095 & 4.865729 & 0.01043\end{array}$ $\begin{array}{lllllllll}1000 & 996.4348 & 0.033033 & 0.115334 & 0.046844 & 0.1282 & 3.992084 & 4.009461 & 0.01814\end{array}$ $\begin{array}{llllllll}1000 & 865.2232 & 0.022978 & 0.09095 & 0.105702 & 0.089216 & 4.365529 & 3.542516 \\ 0.010689\end{array}$ $\begin{array}{llllllll}1000 & 1029.336 & 0.022093 & 0.10243 & 0.057535 & 0.08371 & 3.993955 & 3.635838 \\ 0\end{array} 0.011405$ $\begin{array}{lllllllll}1000 & 825.0194 & 0.032444 & 0.110128 & 0.096555 & 0.11733 & 5.709715 & 5.273126 & 0.013572 \\ 1000 & 1634.831 & 0.029581 & 0.109503 & 0.076502 & 0.091471 & 5.763393 & 4.251067 & 0.014297\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 975.8147 & 0.029854 & 0.108527 & 0.063679 & 0.096085 & 5.130184 & 4.865115 & 0.024153\end{array}$ $\begin{array}{llllllllll}1000 & 1281.865 & 0.018528 & 0.079977 & 0.096702 & 0.083437 & 5.856449 & 5.30199 & 0.015446\end{array}$ $\begin{array}{lllllllll}1000 & 1098.177 & 0.012881 & 0.101165 & 0.108056 & 0.103858 & 5.380179 & 4.741165 & 0.016491\end{array}$


| 457.6476 | 19.75859 | 109.01 | 96.01 | 351.39 | 526.88 | 8227.23 | 146967 | 266.08 | 110.01 | 27 | 14.01 | 583 | 68090.6 | 48 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 457.982 | 19.77531 | 70.01 | 101.01 | 316.32 | 375.45 | 7613.22 | 155849.5 | 226.06 | 140.02 | 19 | 129.02 | 7447.56 | 68076.73 | 38 |
| 458.3158 | 19.792 | 83.01 | 100.01 | 294.27 | 348.38 | 9260.77 | 167136.8 | 301.6 | 151.02 | 27 | 107.01 | 9540.14 | 61921.25 | 39 |
| 458.6496 | 19.80869 | 76.01 | 103.01 | 377.45 | 393.49 | 9962.03 | 141907 | 314.11 | 112.01 | 23 | 85.01 | 7643.77 | 58992.77 | 43 |
| 458.9839 | 19.82541 | 129.0 | 124.02 | 339.3 | 470.7 | 10295.67 | 172085.6 | 268.08 | 116 | 28 | . 01 | 6915.24 | 72060.48 | 24 |
| 459.3177 | 19.8421 | 79.01 | 139.02 | 334.35 | 364.42 | 8803.42 | 139981.7 | 263.07 | 122.02 | 16 | 102.01 | 7555.31 | 69892.26 | 35 |
| 459.6516 | 19.85879 | 82.01 | 141.02 | 483.74 | 542.93 | 8765.36 | 153644.4 | 285.09 | 113.01 | 21 | 128.02 | 7133.58 | 60586.79 | 28 |
| 459.9859 | 19.87551 | 64 | 107.01 | 415.55 | 469.7 | 9539.85 | 204984.8 | 273.08 | 123.02 | 16 | 116.01 | 8797.37 | 69635.95 | 25 |
| 460.3197 | 19.8922 | 6.01 | 147.02 | 332.35 | 394.49 | 10181.54 | 169325.6 | 256.07 | 121.02 | 16 | 90.01 | 8362.27 | 69929.37 | 28 |
| 460.6536 | 19.90889 | 75.01 | 133.02 | 533.9 | 532.9 | 8757.96 | 139759.1 | 327.12 | 92.01 | 12 | 119.02 | 7920.45 | 61723.87 | 24 |
| 460.9879 | 19.92561 | 79.01 | 103.01 | 382.46 | 699.54 | 7269.4 | 161591.6 | 272.08 | 120.02 | 20 | 108.01 | 8015.09 | 65995.13 | 52 |
| 461.3217 | 19.9423 | 89.01 | 113.01 | 502.8 | 415.55 | 9502.68 | 170068.1 | 05.1 | 109.01 | 18 | 103.01 | 7221.96 | 65705.23 | 43 |
| 461.6555 | 19.95899 | 81.01 | 87.01 | 281.25 | 386.47 | 8470.75 | 135387.2 | 312.1 | 87.01 | 24 | 120.02 | 7533.96 | 60767.77 | 29 |
| 461.9899 | 19.97571 | 105.01 | 114.01 | 273.24 | 451.64 | 7333.29 | 145286.6 | 346.13 | 113.01 | 19 | 111.01 | 7022.87 | 65021.4 | 22 |
| 462.3237 | 19.9924 | 122.02 | 90.01 | 401.51 | 431.59 | 7660.45 | 185739.7 | 301.6 | 150.02 | 29 | 127.02 | 6985.3 | 65439.63 | 45 |
| 462.6575 | 20.00909 | 102.01 | 115.01 | 433.59 | 76.45 | 9607.83 | 233718.8 | 336.12 | 123.02 | 16 | 117.01 | 8884.03 | 69281.3 | 17 |
| 462.9919 | 20.02581 | 4.01 | 105.01 | 401.51 | 528.88 | 8590.01 | 168806.6 | 340.12 | 155.03 | 28 | 131.02 | 7777.01 | 68960.49 | 46 |
| 463.3257 | 20.0425 | 88.01 | 105.01 | 407.52 | 422.56 | 10191.13 | 151011.1 | 378.15 | 183.04 | 29 | 148.02 | 7367.26 | 86443.68 | 32 |
| 463.6595 | 20.05919 | 83.01 | 120.02 | 332.35 | 387.47 | 7089.4 | 157174 | 351.13 | 193.04 | 24 | 119.02 | 8656.71 | 77893.85 | 39 |
| 463.9939 | 20.07591 | 104.01 | 82.01 | 353.39 | 435.6 | 8940.91 | 145951.9 | 334.12 | 173.03 | 26 | 115.01 | 8292 | 75203.66 | 45 |
| 464.3277 | 20.0926 | 103.0 | 98.0 | 431.59 | 487.75 | 12384.5 | 173940.6 | 6. 1 | 152.03 | 11 | 116.01 | 7674.28 | 58868.01 | 28 |
| 464.662 | 20.10931 | 124.02 | 111.01 | 369.43 | 451.64 | 7766.5 | 162504.9 | 316.11 | 196.04 | 26 | 118.02 | 7204.69 | 64561.09 | 43 |
| 464.9958 | 20.126 | 87.01 | 117.01 | 297.28 | 475.71 | 9249.11 | 206938.8 | 1122.35 | 141.02 | 30 | 150.02 | 6864.48 | 62294.55 |  |
| 465.3307 | 20.14275 | 102.01 | 103.01 | 388.48 | 485.75 | 9368.95 | 215018.1 | 318.11 | 150.02 | 20 | 97.01 | 7246.34 | 68499.9 | 20 |
| 465.6645 | 20.15944 | . 01 | 103.01 | 507.81 | 610.18 | 10393.87 | 182574.6 | 288.09 | 149.02 | 19 | 96.01 | 7386.57 | 67132.28 | 17 |
| 465.9988 | 20.17615 | 99.01 | 101.01 | 321.33 | 402.51 | 8620.63 | 138059.1 | 316.11 | 116.01 | 39 | 102.01 | 8021.2 | 63732.23 | 30 |
| 466.3327 | 20.19285 | 123.02 | 89.01 | 352.39 | 8.13 | 9548.34 | 205876.4 | 55.1 | 134.02 | 12 | 104.01 | 7827.87 | 69982.75 | 26 |
| 466.667 | 20.20956 | 117.01 | 99.01 | 382.46 | 446.63 | 8765.36 | 190714.2 | 317.11 | 101.01 | 12 | 81.01 | 8635.31 | 70579.46 | 18 |
| 467.0008 | 20.22625 | 63 | 118.01 | 483.74 | 383.46 | 10423.77 | 199307.1 | 285.09 | 82.0 | 21 | 87.01 | 9116.57 | 87359.14 | 16 |
| 467.3347 | 20.24295 | 75.01 | 121.02 | 373.44 | 431.59 | 8146.14 | 152218.9 | 285.09 | 103.01 | 5 | 99.01 | 9179.83 | 87040.05 | 35 |
| 467.669 | 20.25966 | 104.01 | 118.01 | 461.67 | 400.51 | 10442.99 | 142638.3 | 243.06 | 96.01 | 16 | 87.01 | 10199.23 | 96728 | 21 |
| 468.0028 | 20.27635 | 91.01 | 141.02 | 432.59 | 415.55 | 10576.55 | 150849.6 | 265.08 | 107.01 | 21 | 90.01 | 9554.43 | 74150.47 | 31 |
| 468.3366 | 20.29304 | 102.01 | 112.01 | 364.42 | 638.29 | 8870.03 | 188451.5 | 319.11 | 117.01 | 26 | 106.01 | 7083.81 | 92735.24 | 19 |
| 468.671 | 20.30976 | 86.01 | 140.02 | 414.54 | 54.42 | 9592.96 | 181021.6 | 339.12 | 130.02 | 17 | 94.0 | 10177.75 | 85330.86 | 31 |
| 469.0048 | 20.32645 | 70.01 | 151.02 | 485.74 | 503.8 | 9323.34 | 232051.8 | 376.15 | 124.02 | 18 | 108.01 | 10564.43 | 68343.77 | 57 |
| 469.3386 | 20.34314 | 121.02 | 163.03 | 414.54 | 449.64 | 10477.17 | 149352.4 | 377.15 | 162.03 | 19 | 117.01 | 8953.37 | 100895.5 |  |
| 469.673 | 20.35986 | 127.02 | 113.01 | 473.71 | 499.79 | 9335 | 140995.9 | 406.18 | 162.03 | 26 | 150.02 | 10615.61 | 95406.18 |  |
| 470.0068 | 20.37655 | 135.02 | 1.01 | 492.77 | 7.05 | 10703.8 | 178104.7 | 282.09 | 159.03 | 14 | 129.02 | 10213.54 | 76335.15 | 45 |
| 470.3406 | 20.39324 | 139.02 | 129.02 | 443.62 | 491.76 | 8474.97 | 197870.8 | 432.2 | 138.02 | 23 | 120.02 | 9209.42 | 75475.78 | 50 |
| 470.675 | 20.40996 | 143.02 | 8.01 | 403.51 | 754.8 | 8445.43 | 136615.1 | 363.14 | 178.03 | 32 | 124.02 | 8257.37 | 88935.09 | 33 |
| 471.0088 | 20.42665 | 200.04 | 85.01 | 392.49 | 417.55 | 9735.38 | 147300.6 | 360.14 | 128.02 | 13 | 121.02 | 9180.85 | 85410.77 |  |
| 471.3426 | 20.44334 | 168.03 | 1.01 | 465.68 | 623.23 | 12314.26 | 119125 | 368.15 | 140.02 | 22 | 89.01 | 8418.29 | 73492.22 | 35 |
| 471.6769 | 20.46006 | 118.01 | 106.01 | 440.61 | 578.06 | 9175.98 | 151846.3 | 353.13 | 116.01 | 19 | 120.02 | 7215.86 | 69815.69 | 25 |
| 472.0107 | 20.47675 | 186.04 | 102.01 | 374.44 | 491.76 | 10960.74 | 137589 | 307.6 | 125.02 | 27 | 86.01 | 7864.49 | 58833.99 | 28 |
| 472.3446 | 20.49344 | 166.03 | 112.01 | 386.47 | 494.77 | 9881.13 | 152076.1 | 308.1 | 102.01 | 11 | 77.01 | 9256.36 | 88262.11 |  |
| 472.6789 | 20.51016 | 101.01 | 119.01 | 392.49 | 545.94 | 10422.7 | 163465.6 | 328.12 | 83.01 | 17 | 80.01 | 9768.92 | 80387.99 | 29 |
| 473.0138 | 20.5269 | 119.01 | 135.02 | 394.49 | 510.82 | 12072.42 | 156714.3 | 323.11 | 86.01 | 13 | 72.01 | 10224.79 | 72475.45 | 49 |
| 473.3476 | 20.54359 | 113.01 | 130.02 | 476.72 | 501.8 | 7635.26 | 165431.5 | 308.1 | 102.01 | 12 | 68.01 | 8747.42 | 86827.6 | 39 |
| 473.6819 | 20.56031 | 152.02 | 121.02 | 355.4 | 455.66 | 9730.07 | 184846.3 | 354.13 | 104.01 | 8 | 99.01 | 10663.71 | 106717.9 | 51 |
| 474.0157 | 20.577 | 149.02 | 108.01 | 465.68 | 531.89 | 8390.59 | 145562.8 | 335.12 | 106.01 | 11 | 68.01 | 8722.96 | 86501.17 | 25 |
| 474.3496 | 20.59369 | 145.02 | 92.01 | 379.45 | 584.08 | 8338.93 | 192032.8 | 311.1 | 88.01 | 23 | 85.01 | 13706.72 | 96528.06 | 50 |
| 474.6839 | 20.61041 | 146.02 | 147.02 | 454.65 | 764.85 | 9953.51 | 186233.5 | 294.09 | 94.01 | 10 | 119.02 | 8650.59 | 94066.54 | 1 |
| 475.0177 | 20.6271 | 165.03 | 162.03 | 447.63 | 581.07 | 10970.38 | 148132.8 | 340.12 | 103.01 | 15 | 60 | 8975.81 | 88885.5 | 43 |
| 475.3516 | 20.64379 | 155.03 | 106.01 | 333.35 | 444.62 | 12556.46 | 176983.5 | 397.17 | 106.01 | 14 | 111.01 | 8184.07 | 96737.77 | 41 |
| 475.6859 | 20.66051 | 118.01 | 137.02 | 353.39 | 462.68 | 9959.9 | 168482.3 | 447.22 | 156.03 | 18 | 126.02 | 8136.22 | 80703.78 | 54 |
| 476.0197 | 20.6772 | 138.02 | 120.02 | 400.51 | 429.58 | 10008.89 | 190753.5 | 392.17 | 158.03 | 21 | 148.02 | 8287.92 | 77222.41 |  |
| 476.3535 | 20.69389 | 191.04 | 108.01 | 506.81 | 499.79 | 11745.87 | 197883.3 | 420.19 | 205.05 | 24 | 125.02 | 9399.25 | 98514.95 | 56 |
| 476.6879 | 20.71061 | 129.02 | 149.02 | 416.55 | 467.69 | 10602.2 | 149853.2 | 373.15 | 180.04 | 28 | 124.02 | 10358.78 | 111347.7 | 40 |
| 477.0217 | 20.7273 | 153.02 | 128.02 | 354.4 | 474.71 | 8621.68 | 162473.2 | 407.18 | 236.06 | 17 | 151.02 | 12236.62 | 91433.98 | 65 |
| 477.3555 | 20.74399 | 174.03 | 127.02 | 360.41 | 484.74 | 9516.49 | 154707.4 | 432.2 | 203.04 | 22 | 140.02 | 9289.01 | 88475.99 |  |
| 477.6898 | 20.7607 | 149.02 | 140.02 | 469.7 | 499.79 | 9532.41 | 157033.5 | 367.15 | 240.06 | 25 | 127.02 | 9528.91 | 85625.66 |  |
| 478.0237 | 20.7774 | 136.02 | 142.02 | 384.47 | 500.79 | 9283.04 | 150213.6 | 408.18 | 168.03 | 32 | 136.02 | 9429.87 | 77131.77 | 46 |
| 478.358 | 20.79411 | 129.02 | 83.01 | 482.74 | 459.67 | 10231.66 | 179263.8 | 396.17 | 186.04 | 32 | 178.03 | 8522.2 | 74992.6 | 35 |
| 478.6918 | 20.8108 | 121.02 | 113.01 | 411.53 | 481.73 | 7596.44 | 174407.8 | 395.17 | 149.02 | 15 | 131.02 | 9867.01 | 72492.93 | 47 |
| 479.0257 | 20.8275 | 191.04 | 110.01 | 337.36 | 680.46 | 9504.8 | 111796.1 | 411.18 | 160.03 | 18 | 125.02 | 8795.33 | 72720.4 | 36 |
| 479.36 | 20.84421 | 150.02 | 127.02 | 437.6 | 518.85 | 9368.95 | 136513.1 | 384.16 | 140.0 | 19 | 91. | 8648.55 | 72361.18 |  |

$\begin{array}{llll}0.09833 & 0.204734 & 0.906508 & 1.201038\end{array}$ $\begin{array}{llll}0.064635 & 0.233993 & 0.881618 & 0.91256 \\ 0.064541 & 0.190264 & 0.674095 & 0.693568\end{array}$ $\begin{array}{llllll}0.054288 & 0.182713 & 0.804286 & 0.732465\end{array}$ $\begin{array}{lllll}0.094365 & 0.216391 & 0.699507 & 0.854008\end{array}$ $\begin{array}{llll}0.064203 & 0.286141 & 0.805986 & 0.764903\end{array}$ $\begin{array}{llll}0.067263 & 0.291811 & 1.172104 & 1.162767\end{array}$ $\begin{array}{lllll}0.046461 & 0.198936 & 0.924856 & 0.9219646 \\ 0.053117 & 0.262654 & 0.697701 & 0.718574\end{array}$ $\begin{array}{lllllll}0.068825 & 0.274332 & 1.294951 & 1.141563\end{array}$ $\begin{array}{llllll}0.077753 & 0.250401 & 1.116908 & 1.819469\end{array}$ 0.0680290 .2119671 .1238230 .812849 $\begin{array}{llll}0.068643 & 0.178229 & 0.704269 & 0.845377\end{array}$ $\begin{array}{llll}0.105886 & 0.27329 & 0.790284 & 1.148693\end{array}$ $0782790213686 \quad 0.958260 .725112$ $\begin{array}{lllll}0.061068 & 0.216418 & 0.99236 & 1.154819\end{array}$ $\begin{array}{llllllllll}0.062635 & 0.182413 & 0.848981 & 0.77125\end{array}$ $0.084312 \quad 0.3033220 .9948791 .01285$ $\begin{array}{llll}0.085936 & 0.158003 & 0.838899 & 0.907372\end{array}$ $\begin{array}{llll}0.061383 & 0.139136 & 0.739958 & 0.73662\end{array}$ $0.068137 \quad 0.2261710 .681869 \quad 0.96114$ $0.0802750 .19428 \quad 0.8802540 .96961$ 0.0582860 .1751211 .0377091 .10591 $0.084416 \quad 0.2066450 .7909440 .86672$ 0.0966460 .162150 .7832971 .179404 $0.041741 \quad 0.2025430 .0856030 .9691374$ $\begin{array}{llllll}0.065394 & 0.266351 & 0.973124 & 0.986374\end{array}$ $\begin{array}{lllll}0.073574 & 0.20217 & 0.938825 & 0.71175\end{array}$ 0.0626570 .2418350 .8684710 .73030 $\begin{array}{llll}0.084791 & 0.2249 & 0.872061 & 1.357321\end{array}$ 0.0648470 .264610 .9174950 .701941 $\begin{array}{llll}0.052778 & 0.265159 & 1.106512 & 1.011861\end{array}$ $0.102337 \quad 0.215775 \quad 1.0777111 .002275$ $\begin{array}{llllllll}0.095321 & 0.184553 & 0.977764 & 1.013924\end{array}$ $\begin{array}{llllll}0.124229 & 0.274334 & 1.111549 & 1.085642\end{array}$ $\begin{array}{llll}0.128512 & 0.181061 & 1.014389 & 1.69283\end{array}$ $\begin{array}{lllll}0.159073 & 0.151088 & 0.855882 & 0.797397\end{array}$ 1.0961320 .2047111 .0196411 .184897 $0.130909 \quad 0.164292 \quad 0.7251520 .83940$ $\begin{array}{llllll}0.128759 & 0.201884 & 0.830294 & 0.93703\end{array}$ $\begin{array}{lllllll}0.071378 & 0.204426 & 0.799436 & 0.983448\end{array}$ $\begin{array}{lllll}0.073738 & 0.202222 & 0.693706 & 0.792688\end{array}$ $\begin{array}{lllll}0.110212 & 0.307051 & 1.32605 & 1.230532 \\ 0 & 119059 & 0.222988 & 0.775247 & 0.87371\end{array}$ $\begin{array}{llll}0.135162 & 0.228501 & 1.178667 & 1.189219\end{array}$ $\begin{array}{llllllll}0.132102 & 0.192682 & 0.965958 & 1.31783\end{array}$ 0.1114870 .2686720 .9699931 .45588 $\begin{array}{lllll}0.115233 & 0.270316 & 0.866459 & 0.996382\end{array}$ 0.0942050 .1495930 .5633670 .659993 $1043760_{0} 0.2148370 .8495390 .79888$ $\begin{array}{llllll}0.125617 & 0.163222 & 0.916442 & 0.796536\end{array}$ 0.0916370 .2558920 .8341810 .82381 $\begin{array}{lllllllll}0.135309 & 0.267414 & 0.872457 & 1.02885\end{array}$ $\begin{array}{llllll}0.140524 & 0.240228 & 0.803849 & 0.95252\end{array}$ $\begin{array}{lllll}0.11897 & 0.266291 & 1.046439 & 0.98151\end{array}$ $\begin{array}{llllll}0.094956 & 0.139965 & 1.002032 & 0.838467\end{array}$ $\begin{array}{llll}0.119343 & 0.265165 & 1.150238 & 1.185635\end{array}$ $\begin{array}{llllllll}0.155239 & 0.205795 & 0.753241 & 1.35261\end{array}$ 0.1219140 .2440110 .9918021 .03805

$\begin{array}{llllllllll}1000 & 1076.68 & 0.022393 & 0.085573 & 0.120537 & 0.100498 & 4.482686 & 5.661095 & 0.017865\end{array}$ $\begin{array}{llllllll}1000 & 1233.9 & 0.018549 & 0.0117958 & 0.09089 & 0.12606 & 6.207472 & 6.116485 \\ 0.01525256 \\ 1000 & 1087.876 & 0.024016 & 0.104649 & 0.107883 & 0.082589 & 6.5529 & 4.573542 \\ 0.012874\end{array}$ $\begin{array}{llllllll}1000 & 858.5213 & 0.023675 & 0.071967 & 0.084501 & 0.057223 & 4.870114 & 4.050487\end{array} 0.013206$ $\begin{array}{llllllll}1000 & 1007.507 & 0.018103 & 0.072146 & 0.099957 & 0.082025 & 4.258238 & 4.78738 \\ 0 & 0.007087\end{array}$ $\begin{array}{llllllll}1000 & 958.3326 & 0.02056 & 0.088791 & 0.065833 & 0.081852 & 5.446669 & 5.430513 \\ 0 & 0.012142\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1056.518 & 0.023349 & 0.082531 & 0.08749 & 0.108478 & 5.161596 & 4.727931 \\ 1000 & 1295.36 & 0.0201 & 0.082613 & 0.060751 & 0.088525 & 5.861584 & 4.992877 \\ & 0.007972\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1295.36 & 0.0201 & 0.082613 & 0.060751 & 0.088525 & 5.861584 & 4.992877 & 0.007972 \\ 1000 & 1002.45 & 0.017038 & 0.076136 & 0.056922 & 0.060337 & 5.217913 & 4.69788 & 0.008378\end{array}$ $\begin{array}{lllllllll}1000 & 961.7745 & 0.028527 & 0.0671 & 0.049064 & 0.099472 & 5.74247 & 4.820735 & 0.008331\end{array}$ $\begin{array}{lllllllllllll}1000 & 1339.917 & 0.026231 & 0.105752 & 0.100344 & 0.106435 & 7.002079 & 6.209946 & 0.021917\end{array}$ $\begin{array}{lllllllll}1000 & 1078.786 & 0.023801 & 0.073406 & 0.068873 & 0.07676 & 4.820735 & 4.729474 & 0.013845\end{array}$ $\begin{array}{llllllll}1000 & 963.2556 & 0.027589 & 0.065559 & 0.103802 & 0.10389 & 5.64443 & 4.907003 \\ 0.010434\end{array}$ $\begin{array}{lllllllll}1000 & 1194.12 & 0.036857 & 0.098651 & 0.09436 & 0.109129 & 6.072848 & 6.065008 & 0.009109 \\ 1000 & 1461.662 & 0.029034 & 0.12567 & 0.139238 & 0.122971 & 5.781983 & 5.843293 & 0.01798\end{array}$ $\begin{array}{lllllllll}1000 & 1461.662 & 0.029034 & 0.12567 & 0.139238 & 0.122971 & 5.781983 & 5.843293 & 0.01798 \\ 1000 & 1466.594 & 0.027011 & 0.082029 & 0.060321 & 0.08882 & 5.877982 & 4.932998 & 0.005347\end{array}$ $\begin{array}{llllllll}1000 & 1466.594 & 0.027011 & 0.082029 & 0.060321 & 0.08882 & 5.877982 & 4.932298 \\ 1000 & 1184.561 & 0.030712 & 0.115839 & 0.119807 & 0.113785 & 5.747612 & 5.491249 \\ 0.016393\end{array}$ $\begin{array}{lllllllll}1000 & 893.1056 & 0.029897 & 0.115405 & 0.104658 & 0.110675 & 4.586524 & 5.80186 & 0.00958\end{array}$ $\begin{array}{lllllllll}1000 & 13366.354 & 0.038883 & 0.175024 & 0.124031 & 0.122887 & 7.76064 & 7.515716 & 0.016818\end{array}$ | 1000 | 983.8728 | 0.028785 | 0.124307 | 0.106724 | 0.093466 | 5.891603 | 5.753337 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.015404 |  |  |  |  |  |  |
| 1000 | 8456557 | 0.018349 | 0.078778 | 0.03167 | 0.068189 | 3.933218 | 325123 | $\begin{array}{lllllllll}1000 & 846.5957 & 0.018349 & 0.078778 & 0.03167 & 0.068189 & 3.933218 & 3.25123 & 0.006887 \\ 1000 & 1261.236 & 0.030646 & 0.16226 & 0.122864 & 0.111032 & 5.884282 & 5.686116 & 0.01694\end{array}$ $\begin{array}{lllllllll}1000 & 1261.236 \\ 1000 & 1388.828 & 0.1194328 & 0.097791 & 0.11937 & 0.123863 & 4.704911 & 4.606916 & 0.008889\end{array}$ $\begin{array}{llllllllll}1000 & 1383.59 & 0.025633 & 0.10275 & 0.077854 & 0.072186 & 4.90625 & 5.001023 & 0.006471\end{array}$ $\begin{array}{llllllllll}1000 & 1058.859 & 0.020001 & 0.091995 & 0.066572 & 0.064215 & 4.508972 & 4.417828 & 0.004943\end{array}$ $\begin{array}{lllllllll}1000 & 965.2023 & 0.027609 & 0.086167 & 0.167187 & 0.083588 & 5.908954 & 5.056897 & 0.010611\end{array}$ $\begin{array}{llllllll}1000 & 1299.841 & 0.023687 & 0.089987 & 0.045002 & 0.07732 & 5.204858 & 5.013281 \\ 10.008288 \\ 1000 & 1391.623 & 0.027276 & 0.073681 & 0.049022 & 0.060996 & 6260932 & 5.507722 \\ 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 1311.623 & 0.027276 & 0.073681 & 0.049022 & 0.060996 & 6.260932 & 5.507722 & 0.006213 \\ 1000 & 1152.648 & 0.019634 & 0.050174 & 0.073569 & 0.056387 & 5.560967 & 5.732431 & 0.004633\end{array}$ $\begin{array}{llllllllll}1000 & 11266.283 & 0.025124 & 0.08087 & 0.020555 & 0.085196 & 7.165833 & 7.308621 & 0.013122\end{array}$ $\begin{array}{llllllllll}1000 & 823.2014 & 0.015272 & 0.058748 & 0.055496 & 0.056283 & 6.215954 & 6.335528 & 0.006101\end{array}$ $\begin{array}{lllllllll}1000 & 859.6355 & 0.017317 & 0.064729 & 0.072506 & 0.058083 & 5.746268 & 4.795392 & 0.00894\end{array}$ $\begin{array}{llllllll}1000 & 1288.757 & 0.027196 & 0.084472 & 0.107577 & 0.085229 & 5.064675 & 7.151271\end{array} 0.006488$ $\begin{array}{llllllllll}1000 & 1137.508 & 0.027389 & 0.086873 & 0.06432 & 0.067731 & 6.752444 & 6.084329 & 0.009856\end{array}$ $\begin{array}{lllllllll}1000 & 1500.565 & 0.03245 & 0.085225 & 0.070198 & 0.082984 & 7.213864 & 5.014036 & 0.018742 \\ 1000 & 859.1702 & 0.028978 & 0.099291 & 0.066043 & 0.081449 & 5.432672 & 6.586935 & 0.011085\end{array}$ $\begin{array}{llllllllll}1000 & 910.3078 & 0.035867 & 0.111441 & 0.102218 & 0.122723 & 7.240032 & 6.990739 & 0.015415\end{array}$ $\begin{array}{lllllllll}1000 & 1003.007 & 0.018819 & 0.095377 & 0.047144 & 0.089658 & 6.073058 & 4.877983 & 0.012867\end{array}$ $\begin{array}{llllllll}1000 & 1407.509 & 0.042807 & 0.104437 & 0.09933 & 0.103839 & 6.910165 & 6.09165 \\ 0\end{array} 0.018071$ $\begin{array}{llllllll}1000 & 974.9143 & 0.034168 & 0.135428 & 0.139603 & 0.108395 & 6.210988 & 7.203068 \\ 0 & 0.011926\end{array}$ $\begin{array}{lllllllll}1000 & 911.9297 & 0.029309 & 0.084274 & 0.047986 & 0.091303 & 5.996595 & 6.000925 & 0.012563 \\ 1000 & 582.9215 & 0.023869 & 0.072923 & 0.065316 & 0.049167 & 4.343325 & 4.082073 & 0.00868\end{array}$ $\begin{array}{lllllllll}1000 & 582.9215 & 0.023869 & 0.072923 & 0.065316 & 0.049167 & 4.343325 & 4.082073 & 0.00868 \\ & 997.413 & 0.030275 & 0.080951 & 0.075409 & 0.095905 & 4.988127 & 5.204291 & 0.008288\end{array}$ $\begin{array}{lllllllll}1000 & 756.5245 & 0.02088 & 0.073082 & 0.090473 & 0.052816 & 4.55553 & 3.671473 & 0.007782\end{array}$ $\begin{array}{llllllll}1000 & 927.6291 & 0.023215 & 0.066014 & 0.039695 & 0.050524 & 5.957168 & 6.10978 \\ 0 & 0.014875\end{array}$ $\begin{array}{lllllllll}1000 & 945.3392 & 0.024074 & 0.050799 & 0.059199 & 0.050447 & 5.963144 & 5.275529 & 0.00848\end{array}$ $\begin{array}{llllllll}1000 & 782.4123 & 0.0203338 & 0.045463 & 0.0388695 & 0.037686 & 5.390486 & 4.106247 \\ 0 & 0.01243\end{array}$ $\begin{array}{lllllllll}1000 & 1306.04 & 0.030045 & 0.085435 & 0.056279 & 0.054951 & 7.28197 & 7.778683 & 0.015615 \\ 1000 & 1145.188 & 0.028661 & 0.068368 & 0.02876 & 0.071326 & 6.977752 & 7.502059 & 0.016057\end{array}$ $\begin{array}{lllllllll}1000 & 1145.188 & 0.028661 & 0.068368 & 0.02876 & 0.071326 & 6.977752 & 7.502059 & 0.016057 \\ 1000 & 1045.614 & 0.030802 & 0.080825 & 0.046747 & 0.050004 & 6.607647 & 7.051734 & 0.009064\end{array}$ $\begin{array}{lllllllllllll}1000 & 1388.243 & 0.027896 & 0.067371 & 0.100951 & 0.068363 & 10.48352 & 7.917905 & 0.018366\end{array}$ $\begin{array}{lllllllll}1000 & 1127.884 & 0.021534 & 0.060338 & 0.035642 & 0.087523 & 5.523332 & 6.464226 & 0.012598\end{array}$ $\begin{array}{llllllll}1000 & 813.8341 & 0.024047 & 0.060048 & 0.049413 & 0.03178 & 5.201529 & 5.541946 \\ 0 & 0.011992\end{array}$ $\begin{array}{llllllll}1000 & 849.6178 & 0.025893 & 0.054007 & 0.040187 & 0.06373 & 4.139853 & 5.269587 \\ 0\end{array} 0.009986$ $\begin{array}{lllllllll}1000 & 1019.653 & 0.038045 & 0.100554 & 0.065711 & 0.093689 & 5.188411 & 5.542378 & 0.016615 \\ 1000 & 1148.883 & 0.031947 & 0.101354 & 0.076619 & 0.11269 & 5.260266 & 5.277331 & 0.013761\end{array}$ $\begin{array}{lllllllll}1000 & 1015.584 & 0.029787 & 0.112242 & 0.074856 & 0.078688 & 5.089393 & 5.736769 & 0.014613\end{array}$ $\begin{array}{lllllllllllllll}1000 & 851.8867 & 0.028231 & 0.109101 & 0.097066 & 0.086342 & 6.219161 & 7.183572 & 0.011536\end{array}$ $\begin{array}{lllllllll}1000 & 1135.897 & 0.03896 & 0.176171 & 0.071567 & 0.133905 & 9.045551 & 7.254054 & 0.023129\end{array}$ $\begin{array}{llllllll}1000 & 979.8556 & 0.038122 & 0.137174 & 0.084521 & 0.111079 & 6.207468 & 6.359286 \\ 0 & 0.015121\end{array}$ $\begin{array}{llllllll}1000 & 992.9387 & 0.030723 & 0.16205 & 0.09617 & 0.09882 & 6.358584 & 6.144135\end{array} 0.019301$ $\begin{array}{lllllllll}1000 & 975.2998 & 0.036299 & 0.116243 & 0.127005 & 0.110058 & 6.460957 & 5.683341 & 0.015169 \\ 1000 & 1056.129 & 0.031672 & 0.116844 & 0.115229 & 0.136203 & 5.292646 & 5.013352 & 0.010447\end{array}$ $\begin{array}{lllllllllll}1000 & 1383.995 & 0.042519 & 0.125878 & 0.071363 & 0.12867 & 8.264916 & 6.52766 & 0.018943\end{array}$ $\begin{array}{lllllllll}1000 & 708.7319 & 0.035792 & 0.10809 & 0.068858 & 0.097244 & 5.881825 & 5.233263 & 0.01157\end{array}$ $\begin{array}{llllllllllll}1000 & 878.1467 & 0.033211 & 0.09585 & 0.073856 & 0.066516 & 5.866595 & 5.282928 & 0.015688\end{array}$


$\begin{array}{lll}124.01 & 8996.21 & 87713.89 \\ 94.01 & 9985.56 & 95247.92\end{array}$
$\begin{array}{ll}94.01 \\ 124.02 & 8 \\ 118.02 & 8\end{array}$
$\begin{array}{lll}12.02 & 8931.96 & 97687.59 \\ 02 & 8111.79 & 93019.7\end{array}$
$\begin{array}{lll}124.02 & 8931.96 & 97687.59 \\ 118.02 & 8111.79 & 93019.7 \\ 132.02 & 9056.39 & 81568.72\end{array}$
$\begin{array}{lll}132.02 & 9056.39 & 8301968.72 \\ 120.02 & 12125.71 & 94769.28\end{array}$
$\begin{array}{rrrr}120.02 & 12125.71 & 94769.28 \\ 99.01 & 11038.51 & 87498.28\end{array}$
$\begin{array}{lll}\text { 9.01 } & 1038.51 & 87498.28 \\ 95.01 & 10528.62 & 86390.49\end{array}$
$\begin{array}{lll}95.01 & 10528.62 & 86390.49 \\ 80.01 & 9698.44 & 82756.94\end{array}$
$\begin{array}{cccc}80.01 & 9698.44 & 82756.94 \\ 91.01 & 10718.99 & 101144.1 \\ 8301 & 797032 & 86143\end{array}$

| 83.01 | 7970.32 | 8561313.88 |
| :--- | :--- | :--- |
|  | 80.01 |  |
| 957.38 |  |  |
| 71031.16 |  |  |


| 80.01 | 9257.38 |
| :--- | :--- |

$\begin{array}{lll}69.01 & 8971.73 & 72397.33 \\ 89.01 & 11592.04 & 104770.9\end{array}$

$\begin{array}{rrr}82.01 & 7747.51 & 79770.63 \\ 75.01 & 8624.1 & 71715.71 \\ 96.01 & 9390.06 & 7266323\end{array}$
$\begin{array}{llll}85.01 & 8624.1 & 71715.71 \\ 96.01 & 9390.06 & 72633.23 \\ 75.01 & 8527.29 & 87647.31\end{array}$

| 75.01 | 8527.29 | 8864.33 |
| :--- | :--- | :--- |
| 97.01 | 7859.41 | 75210.11 |
| 9585 |  |  |

$\begin{array}{lll}97.01 & 7859.41 & 75210.11 \\ 79.01 & 9548.31 & 72329.7\end{array}$

| 105.01 | 8502.84 | 723385.51 |
| :--- | :--- | :--- |

$\begin{array}{lll}105.01 & 8502.84 & 70385.51 \\ 94.01 & 9047.21 & 63346.38 \\ 110.01\end{array}$
$\begin{array}{lll}94.01 & 9047.21 & 63346.38 \\ 110.01 & 10030.54 & 62968.82 \\ 104.01 & 871378 & 7087.37\end{array}$

| 110.01 | 10030.54 | 62968.82 |
| :--- | :--- | :--- |
| 104.01 | 8713.78 | 71087.37 |
|  | 868. |  |


| 66 | 85199.14 | 87984.26 |
| :--- | :--- | :--- | :--- |
|  | 87.54 |  |

    \(\begin{array}{lll}85.01 & 8682.19 & 88805.52 \\ 97.01 & 8686.26 & 75275.19\end{array}\)
    \(\begin{array}{lll}95.01 & 8681.26 & 82725.19 \\ 91.01 & 8797.37 & 68099.84\end{array}\)
    \(\begin{array}{lll}91.01 & 8797.37 & 68099.84 \\ 92.01 & 9756.67 & 92492.75 \\ 78.01 & 932678 & 81243.05\end{array}\)
    \(\begin{array}{llll}78.01 & 9326.78 & 81243.95 \\ 78.01\end{array}\)
    $\begin{array}{llll}107.01 & 8746.4 & 880799.04\end{array}$
$\begin{array}{rrr}111.01 & 8341.9 & 73070.55 \\ 98.01 & 10194.12 & 71399.09\end{array}$
$\begin{array}{ccc}98.01 & 10194.12 & 71399.09 \\ 101.01 & 8313.38 & 88202.6\end{array}$
$\begin{array}{rrr}101.01 & 8313.38 & 88202.6 \\ 74.01 & 10746.63 & 70040.71\end{array}$

| 74.01 | 10746.63 | 70040.71 |
| :--- | :--- | :--- |
| 105.01 | 9406.39 | 75134.48 |
| 8.01 | 871276 | 6613439 |

$\begin{array}{lll}98.01 & 8712.76 & 661343.39 \\ 92.01 & 10545.2 & 70947.84\end{array}$

| 92.01 | 10554.2 | 70947.84 |
| :--- | :--- | :--- |

$\begin{array}{lll}79.01 & 9813.88 & 95807.07 \\ 91.01 & 9643.28 & 92691.69\end{array}$
$\begin{array}{llll}107.01 & 8147.42 & 72668.68\end{array}$
$\begin{array}{lll}107.01 & 8143.42 & 72668.68 \\ 83.01 & 9115.55 & 73103.23\end{array}$
$\begin{array}{llll}125.02 & 7072.63 & 64288.08 \\ 109.01 & 9209.92 & 7153315\end{array}$
$\begin{array}{llll}109.01 & 9209.42 & 71513.15 \\ 19201 & 90168 & \\ 132.02 & 877.55 & 7489.13\end{array}$

| 112.01 | 9476.83 | 75478.13 |  |
| :--- | :--- | :--- | :--- |
|  | 123202 |  | 377755 |
| 7 | 7061.78 |  |  |

$\begin{array}{llll}132.02 & 8377.55 & 71061.78 \\ 133.02 & 7386.57 & 65015.65\end{array}$
$\begin{array}{llll}1133.01 & 8232.94 & 73632.47\end{array}$
$\begin{array}{lll}133.01 & 8332.94 & 73632.47 \\ 107.01 & 9885.97 & 71258.33\end{array}$

| 96.01 | 8188.14 | 712558.33 |
| :--- | :--- | :--- |
| 0501.64 |  |  |

$\begin{array}{rrr}96.01 & 81888.14 & 705001.64 \\ 129.02 & 9329.84 & 94333.61\end{array}$
$\begin{array}{lll}160.03 & 8892.847 & 943337.61 \\ 10824.01\end{array}$

| 102.01 | 8684.22 | 63766.59 |
| :--- | ---: | ---: |
| 116.01 | 7122.4 | 92916.06 |

$\begin{array}{lll}163.01 & 72122.4 & 92916.06 \\ 139.02 & 7289.01 & 80839.04\end{array}$
$\begin{array}{lll}139.02 & 7289.01 & 80839.04 \\ 161.03 & 9390.06 & 70103.41\end{array}$
$\begin{array}{lll}161.03 & 9390.06 & 70103.41 \\ 246.07 & 7506.51 & 89035.71\end{array}$

| 173.03 | 8700.51 | 89035.11 |
| :--- | :--- | :--- | :--- |

$\begin{array}{llll}142.02 & 7233.13 & 748991.3 \\ & 59394.48 \\ 133202\end{array}$
$\begin{array}{lll}133.02 & 8764.75 & 69452.8 \\ 142.02 & 7420.11 & 61638.32\end{array}$
$\begin{array}{cccc}17 & 142.02 & 7420.11 & 61638.32 \\ 12 & 91.01 & 72900 & 70127\end{array}$
$\begin{array}{llll}12 & 91.01 & 7290.03 & 701217.8 \\ 13 & 84.01 & 7501.43 & 71310.68\end{array}$
$\begin{array}{lllll}0.100212 & 0.344045 & 0.851795 & 1.128013\end{array}$ $\begin{array}{lllll}0.060661 & 0.1344382 & 0.946027 & 0.8744299\end{array}$ $\begin{array}{lllll}0.060661 & 0.134382 & 0.946027 & 0.874299 \\ 0.074851 & 0.177367 & 0.593489 & 0.789882\end{array}$ $\begin{array}{llllllll}0.069817 & 0.151789 & 0.856751 & 0.982774\end{array}$ $\begin{array}{llll}0.070703 & 0.185701 & 0.991549 & 0.765604\end{array}$ $\begin{array}{lllll}0.079804 & 0.229405 & 0.939476 & 1.305356\end{array}$ $\begin{array}{lllll}0.085207 & 0.230401 & 0.902932 & 0.727682\end{array}$ $\begin{array}{llll}0.088817 & 0.23101 & 1.094313 & 1.03190 \\ 0.070988 & 0.243141 & 0.865644 & 0.719663\end{array}$ $\begin{array}{lllll}0.112334 & 0.226857 & 0.843867 & 1.09252\end{array}$ $\begin{array}{lllll}0.09611 & 0.266438 & 1.272455 & 1.13025\end{array}$ $\begin{array}{llll}0.094146 & 0.204431 & 0.853832 & 0.69072\end{array}$ 0.1447790 .2555151 .1885471 .12433 $\begin{array}{lllll}0.146997 & 0.302953 & 0.872261 & 1.218703 \\ 0.099377 & 0.204966 & 1.055697 & 1.184478\end{array}$ $\begin{array}{lllll}0.179184 & 0.289878 & 1.295827 & 1.449966\end{array}$ $\begin{array}{lllll}0.155824 & 0.225306 & 1.302713 & 1.041195\end{array}$ $\begin{array}{llllllll}0.169418 & 0.162521 & 0.896627 & 0.818452\end{array}$ $\begin{array}{llll}0.231893 & 0.325303 & 1.138115 & 1.043575\end{array}$ $\begin{array}{llll}0.10122 & 0.313999 & 0.887421 & 1.021531\end{array}$ $\begin{array}{llll}0.134527 & 0.183902 & 0.555863 & 0.71387 \\ 0.165041 & 0.157923 & 0.951501 & 0.868228\end{array}$ 0.1286570 .2187890 .9561320 .98257 $0.12038 \quad 0.16580110887960 .833138$ $\begin{array}{llll}0.123403 & 0.221776 & 0.646812 & 0.904705\end{array}$ 0.1408140 .2767321 .7042191 .33708 $\begin{array}{llll}0.147693 & 0.255126 & 1.275807 & 0.889972\end{array}$ $\begin{array}{llll}0.159476 & 0.278194 & 1.892966 & 1.268952 \\ 0.102983 & 0.187537 & 0.581454 & 0.730848\end{array}$ $\begin{array}{llllllll}0.064038 & 0.248312 & 0.905035 & 0.925488\end{array}$ $\begin{array}{llllll}0.112169 & 0.206362 & 0.726651 & 1.020543\end{array}$ $\begin{array}{lllllllll}0.100507 & 0.225594 & 0.878073 & 0.652439\end{array}$ $\begin{array}{lllll}0.102808 & 0.30404 & 1.036373 & 1.135279\end{array}$ $\begin{array}{llll}0.145848 & 0.319379 & 0.926641 & 1.159144\end{array}$ $\begin{array}{lllll}0.106873 & 0.263624 & 1.254294 & 1.09820\end{array}$ $\begin{array}{llllll}0.120054 & 0.175723 & 0.734553 & 1.204746\end{array}$ $\begin{array}{lllllllll}0.103564 & 0.289837 & 0.956382 & 0.973072\end{array}$ $\begin{array}{llllll}0.089671 & 0.181221 & 0.696888 & 0.91988\end{array}$ $\begin{array}{llll}0.059081 & 0.241868 & 0.866913 & 1.029964\end{array}$ $\begin{array}{llll}0.081967 & 0.206957 & 0.701878 & 1.20216 \\ 0.075822 & 0.216272 & 0.661453 & 0.966727\end{array}$ 01314580.2042730 .65145360 .966727 $0.060511 \quad 0.2729151 .448354 \quad 0.696529$ $\begin{array}{lllll}0.098422 & 0.224351 & 0.935621 & 0.924067\end{array}$ $\begin{array}{llll}0.063355 & 0.182901 & 0.633876 & 0.830402\end{array}$ $\begin{array}{llll}0.108694 & 0.260156 & 0.845413 & 1.004456\end{array}$ $072321 \quad 0.2011550 .754063$ $\begin{array}{llll}0.060893 & 0.149189 & 0.582933 & 0.66370\end{array}$ $0.112669 \quad 0.2428870 .8070020 .75199$ 0.0784890 .1607350 .6138380 .63866 $\begin{array}{llllll}0.102687 & 0.204364 & 0.890842 & 0.814094\end{array}$ $\begin{array}{llll}0.051483 & 0.193991 & 0.706086 & 0.615247 \\ 0.071609 & 0.114765 & 0.700134 & 0717379\end{array}$ $\begin{array}{lllll}066104 & 0.184874 & 0.663686 & 0.694913\end{array}$ $\begin{array}{llllll}0.085979 & 0.256914 & 0.679849 & 0.755165\end{array}$ $0.086134 \quad 0.1461750 .7180050 .75730$ 0.0904210 .1863970 .7390480 .644838 $\begin{array}{lllll}0.075755 & 0.160569 & 0.69542 & 0.747625\end{array}$ $\begin{array}{lllll}0.073399 & 0.206154 & 0.498023 & 0.652054\end{array}$ $\begin{array}{lllll}0.108267 & 0.199009 & 0.6734 & 0.589684 \\ 0.074396 & 0.154516 & 0.555247 & 0.824313\end{array}$ $\begin{array}{llllll}0.102405 & 0.194733 & 0.441729 & 0.66586\end{array}$ $\begin{array}{lllll}0.061228 & 0.164327 & 0.85158 & 0.63925\end{array}$ $0.056128 \quad 0.1530010 .4930870 .401042$

$\begin{array}{llllllllll}1000 & 1122.978 & 0.038916 & 0.099011 & 0.107519 & 0.07168 & 8.344732 & 6.045624 & 0.014834\end{array}$ | 1000 | 860.2462 | 0.03374 | 0.0688888 | 0.0754776 | 0.068446 | 5.128142 | 4.542556 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.013213 |  |  |  |  |  |  |  |
| 000 | 729.8816 | 0.036897 | 0.088456 | 0.054724 | 0.08393 | 5.9616355 | 4.447691 |
| 0.01184 |  |  |  |  |  |  |  | $\begin{array}{lllllllllllll}1000 & 1039.208 & 0.027897 & 0.079517 & 0.053811 & 0.064497 & 5.677471 & 5.955641 & 0.011835\end{array}$ | 1000 | 1648.984 | 0.044021 | 0.085202 | 0.105443 | 0.077918 | 7.620141 | 7.812899 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.011709 $\begin{array}{lllllllll}1000 & 856.74 & 0.031055 & 0.090682 & 0.055339 & 0.10039 & 6.226996 & 7.327659 & 0.014427\end{array}$ $\begin{array}{lllllllll}1000 & 855.6619 & 0.03842 & 0.084887 & 0.091127 & 0.097694 & 5.836853 & 7.208441 & 0.016303\end{array}$ $\begin{array}{lllllllll}1000 & 1010.668 & 0.037789 & 0.088791 & 0.095624 & 0.112032 & 6.540778 & 6.337722 & 0.012842 \\ 1000 & 996.4114 & 0.031823 & 0.089935 & 0.091787 & 0.100422 & 8.81819 & 7397187 & 0.019236\end{array}$ $\begin{array}{lllllllllll}1000 & 1069.209 & 0.040446 & 0.080599 & 0.069034 & 0.088381 & 8.952489 & 7.621722 & 0.014398\end{array}$ $\begin{array}{llllllllllll}1000 & 1220.908 & 0.035236 & 0.072445 & 0.117438 & 0.087964 & 8.952364 & 7.892437 & 0.013453\end{array}$ $\begin{array}{lllllllll}1000 & 1303.859 & 0.02715 & 0.054862 & 0.038424 & 0.047018 & 5.517405 & 5.061865 & 0.009834\end{array}$

 $\begin{array}{lllllllll}1000 & 1146.493 & 0.027635 & 0.077079 & 0.078111 & 0.065923 & 6.040419 & 6.989064 & 0.009812 \\ 1000 & 1070.18 & 0.023071 & 0.060289 & 0.051523 & 0.046744 & 5.233691 & 4.37409 & 0.004293\end{array}$ $\begin{array}{lllllllll}1000 & 1070.18 & 0.023071 & 0.060289 & 0.051523 & 0.046744 & 5.233691 & 4.37409 & 0.004293 \\ 1000 & 1185.698 & 0.045716 & 0.078349 & 0.068028 & 0.057753 & 7.689147 & 6.675746 & 0.011084\end{array}$ $\begin{array}{llllllllllll}1000 & 1339.404 & 0.034946 & 0.074348 & 0.066392 & 0.074156 & 9.044887 & 8.777038 & 0.009692\end{array}$ $\begin{array}{lllllllllll}1000 & 1010.588 & 0.035518 & 0.052945 & 0.041944 & 0.053053 & 4.800812 & 5.326106 & 0.010735\end{array}$ $\begin{array}{llllllll}1000 & 12344.879 & 0.029213 & 0.074629 & 0.029483 & 0.058575 & 6.666884 & 5.967075\end{array} 0.012252$ $\begin{array}{lllllllll}1000 & 11330.178 & 0.029153 & 0.049837 & 0.04672 & 0.072571 & 6.493513 & 5.404076 & 0.010281\end{array}$ $\begin{array}{llllllll}1000 & 884.9952 & 0.0225356 & 0.048215 & 0.053428 & 0.044391 & 4.995283 & 5.559863 \\ 1000 & 1131.0129 & 0.021844 \\ 10.35335 & 0.064574 & 0.057396 & 0.059309 & 4.376055 & 4.511453 & 0.00694\end{array}$ $\begin{array}{llllllllll}1000 & 754.5754 & 0.031897 & 0.068135 & 0.045791 & 0.055089 & 6.472562 & 5.272272 & 0.010733\end{array}$ $\begin{array}{lllllllll}1000 & 1491.944 & 0.034883 & 0.081994 & 0.052073 & 0.077097 & 5.575293 & 4.968039 & 0.014849\end{array}$ $\begin{array}{llllllll}1000 & 889.7748 & 0.034993 & 0.08254 & 0.028603 & 0.066414 & 5.879605 & 4.428906\end{array} 0.009665$ $\begin{array}{lllllllll}1000 & 1357.806 & 0.03846 & 0.077467 & 0.098317 & 0.106672 & 8.603813 & 5.805517 & 0.018564\end{array}$ $\begin{array}{lllllllll}1000 & 1116.893 & 0.036081 & 0.078982 & 0.0901174 & 0.086811 & 6.512198 & 5.717528 & 0.008217 \\ 1000 & 1565.082 & 0.052664 & 0.118877 & 0.039129 & 0.068862 & 8.739471 & 9.71594 & 0.015763\end{array}$ $\begin{array}{lllllllll}1000 & 1565.082 & 0.052664 & 0.118877 & 0.039129 & 0.064862 & 8.739471 & 9.71594 & 0.015763 \\ 1000 & 1066.378 & 0.030541 & 0.049262 & 0.060355 & 0.055762 & 5.397481 & 5.540277 & 0.008344\end{array}$ $\begin{array}{lllllllllllll}1000 & 1014.539 & 0.031927 & 0.054701 & 0.075157 & 0.073458 & 5.99627 & 5.592531 & 0.010605\end{array}$ $\begin{array}{lllllllllllll}1000 & 1542.082 & 0.034299 & 0.081075 & 0.090816 & 0.0738 & 6.622094 & 5.516247 & 0.006084\end{array}$ $\begin{array}{llllllllll}1000 & 886.7206 & 0.027689 & 0.061731 & 0.063682 & 0.069449 & 6.820795 & 6.951718 & 0.012762\end{array}$ $\begin{array}{llllllll}1000 & 1269.862 & 0.034634 & 0.087112 & 0.070304 & 0.065895 & 7.692712 & 7.207102\end{array} 0.011463$ $\begin{array}{lllllllll}1000 & 979.2059 & 0.040951 & 0.063852 & 0.068731 & 0.096972 & 7.048375 & 5.904081 & 0.013943\end{array}$ $\begin{array}{lllllllll}1000 & 876.9325 & 0.033944 & 0.061083 & 0.051323 & 0.08139 & 5.390045 & 5.083352 & 0.010558 \\ 1000 & 1149.293 & 0.040087 & 0.073246 & 0.10234 & 0.091434 & 8.658417 & 6.517374 & 0.01056\end{array}$ $\begin{array}{lllllllll}1000 & 1180.586 & 0.034397 & 0.08239 & 0.032158 & 0.081789 & 6.069169 & 6.93312 & 0.009448\end{array}$ $\begin{array}{llllllllll}1000 & 1158.985 & 0.039765 & 0.093151 & 0.078118 & 0.063712 & 9.223152 & 6.457527 & 0.011913\end{array}$ $\begin{array}{lllllll}1000 & 943.6629 & 0.027076 & 0.059874 & 0.027235 & 0.064129 & 5.13518\end{array} 4.4112410 .011557$

 \begin{tabular}{lllllllll}
1000 \& 945.9649 \& 0.042815 \& 0.074005 \& 0.055598 \& 0.069635 \& 7.402922 \& 5.346716 \& 0.014155 <br>
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 $\begin{array}{lllllllll}1000 & 873.192 & 0.030663 & 0.075011 & 0.089824 & 0.057729 & 6.97308 & 7.318314 & 0.010903 \\ 1000 & 1143.428 & 0.056802 & 0.08651 & 0.098694 & 0.08432 & 8.300542 & 8.578616 & 0.011124\end{array}$ $\begin{array}{lllllllll}1000 & 850.9197 & 0.038033 & 0.068956 & 0.087112 & 0.08688 & 5.878247 & 5.646237 & 0.009339\end{array}$ $\begin{array}{lllllllll}1000 & 1101.059 & 0.039909 & 0.066579 & 0.08884 & 0.063988 & 6.714476 & 5.792652 & 0.010596\end{array}$ $\begin{array}{llllllllll}1000 & 762.1414 & 0.027049 & 0.071379 & 0.072426 & 0.087292 & 4.235915 & 4.152958 & 0.014172\end{array}$ $\begin{array}{lllllllll}1000 & 1291.815 & 0.048018 & 0.107469 & 0.108345 & 0.096426 & 7.21619 & 6.027436 & 0.014311\end{array}$ $\begin{array}{lllllllll}1000 & 1303.99 & 0.036649 & 0.120791 & 0.088493 & 0.093366 & 6.95579 & 5.957509 & 0.009843 \\ 1000 & 983.9728 & 0.02992 & 0.082624 & 0.088154 & 0.094839 & 5.118111 & 4.67402 & 0.010575\end{array}$ $\begin{array}{lllllrrr}1000 & 983.9728 & 0.02992 & 0.082624 & 0.088154 & 0.094839 & 5.118111 & 4.67402 \\ 0.010575 \\ 1000 & 696.3467 & 0.026846 & 0.071032 & 0.05342 & 0.086155 & 4.05758 & 3.850213 \\ 0.005249\end{array}$ $\begin{array}{lllllllllllll}1000 & 985.5412 & 0.031739 & 0.132904 & 0.072686 & 0.102586 & 6.558941 & 6.31664 & 0.008764\end{array}$ $\begin{array}{llllllllll}1000 & 966.8872 & 0.029405 & 0.066548 & 0.057978 & 0.076513 & 5.779264 & 4.875973 & 0.011618\end{array}$ $\begin{array}{llllllll}1000 & 16377.095 & 0.039643 & 0.09862 & 0.093397 & 0.095247 & 7.421921 & 6.881644\end{array} 0.018774$ $\begin{array}{lllllllll}1000 & 846.4741 & 0.032362 & 0.080357 & 0.105056 & 0.105661 & 6.532695 & 7.104044 & 0.008712 \\ 1000 & 7672482 & 0.021821 & 0.082551 & 0.08025 & 0.112648 & 5.126629 & 4.884844 & 0.006378\end{array}$ $\begin{array}{llllllll}1000 & 766.2482 & 0.021821 & 0.082551 & 0.08025 & 0.112648 & 5.106629 & 4.884844 \\ 1000 & 1199.873 & 0.0063788 \\ 10.8581 & 0.114596 & 0.104223 & 0.081921 & 6.274786 & 4.958724 & 0.008295\end{array}$ $\begin{array}{llllllllll}1000 & 1280.961 & 0.036783 & 0.126944 & 0.119406 & 0.10568 & 5.652556 & 7.953077 & 0.007973\end{array}$ $\begin{array}{llllllllll}1000 & 1283.986 & 0.042415 & 0.135297 & 0.108939 & 0.129872 & 5.729005 & 6.850792 & 0.009804\end{array}$ $\begin{array}{llllllll}1000 & 696.9134 & 0.028639 & 0.132615 & 0.066223 & 0.112859 & 5.422101 & 4.353451 \\ 0 & 0.007744\end{array}$ $\begin{array}{llllllll}1000 & 691.4535 & 0.02525 & 0.093912 & 0.095104 & 0.177972 & 4.247476 & 5.430278 \\ 0.0004031\end{array}$ 

1000 \& 1212.012 \& 0.039657 \& 0.142984 \& 0.103489 \& 0.140814 \& 5.772109 \& 5.345874 <br>
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\end{tabular} $\begin{array}{rrrrrrrrr}1000 & 1112.88 & 0.028323 & 0.12711 & 0.134432 & 0.118777 & 5.07045 & 4.489654 & 0.010108 \\ 1000 & 920.53 & 0.025381 & 0.107477 & 0.118286 & 0.110359 & 6.178221 & 5.268467 & 0.009118\end{array}$ $\begin{array}{llllllllll}1000 & 879.2958 & 0.03471 & 0.095777 & 0.063965 & 0.111422 & 4.880865 & 4.370765 & 0.006885\end{array}$ $\begin{array}{llllllllll}1000 & 1191.04 & 0.025484 & 0.084826 & 0.048647 & 0.070552 & 5.235705 & 5.430552 & 0.007911\end{array}$





0.0753630 .1805450 .7356250 .6911 $\begin{array}{llll}0.072393 & 0.139557 & 0.674403 & 0.67743 \\ 0.10213 & 0.186148 & 0.799124 & 0.524807\end{array}$ $0.0508720 .160022 \quad 0.523810 .861455$ 0.0765190 .1852160 .6048030 .74450 $\begin{array}{llll}0.056442 & 0.143672 & 0.405497 & 0.587916\end{array}$ $\begin{array}{llll}0.102586 & 0.223032 & 0.935419 & 0.775459\end{array}$ 0.064855 $\begin{array}{lllll}0.063943 & 0.172427 & 0.45686 & 0.64016\end{array}$ $\begin{array}{llllllllll}0.07517 & 0.343649 & 0.836054 & 0.72967\end{array}$ $\begin{array}{lllll}0.103751 & 0.203742 & 0.677778 & 0.74405\end{array}$ $\begin{array}{llll}0.083388 & 0.206043 & 0.719829 & 0.702409\end{array}$ 0.0940770 .2210310 .7590210 .697454 0907150.1878760 .8918010 .85133 $\begin{array}{lllllllll}0.103967 & 0.246454 & 0.741607 & 0.755302\end{array}$ 0.0740570 .1880880 .9269010 .68121 0.0618670 .1505880 .5929860 .69798 $\begin{array}{lllll}0.081966 & 0.215774 & 0.626933 & 0.772692\end{array}$ $\begin{array}{lllll}0.045646 & 0.212966 & 0.876975 & 0.708394 \\ 0.094477 & 0.246164 & 0.8189 & 1.131704\end{array}$ $\begin{array}{lllll}0.082973 & 0.266323 & 0.959681 & 1.058879\end{array}$ $\begin{array}{llllllll}0.087834 & 0.173791 & 0.673869 & 0.488099\end{array}$ 0.0610220 .1657480 .6846150 .52183 $\begin{array}{llllll}0.063287 & 0.164141 & 0.631211 & 0.441558\end{array}$ 0.0703220 .2257150 .5731241 .163716 $\begin{array}{llll}0.069347 & 0.15352 & 0.634582 & 0.42938 \\ 0.0774 & 0.324303 & 0.639649 & 0.86524\end{array}$ $\begin{array}{llllll}0.0771 & 0.14452 & 0.582764 & 0.660111\end{array}$ $\begin{array}{lllllllllllllllll}0.110091 & 0.183529 & 0.720466 & 0.91233\end{array}$ 0.1029780 .1598170 .750370 .57033 $\begin{array}{lllll}0.080998 & 0.233427 & 0.73805 & 0.723881\end{array}$ $\begin{array}{llll}0.09334 & 0.212692 & 0.515733 & 0.531413\end{array}$ $0.087152 \quad 0217305$ $\begin{array}{llllll}0.076892 & 0.234967 & 0.595515 & 0.754731\end{array}$ 0.0601190 .1717880 .5833230 .60346 $\begin{array}{llllllll}0.092641 & 0.183976 & 0.555599 & 0.64788\end{array}$ $\begin{array}{lllll}0.065127 & 0.18231 & 0.487496 & 0.665959\end{array}$ $\begin{array}{llll}0.080379 & 0.258627 & 0.63874 & 1.008704\end{array}$ |  | 064671 | 0.165471 | 0.638151 | 0.65614 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 068789 | 0.143885 | 0.679977 | 0.693772 |  | $0.0777710 .179368 \quad 0.6783870 .58553$ $\begin{array}{lllll}0.107048 & 0.374036 & 0.843014 & 1.04079\end{array}$ 0.0807590 .2396550 .6191060 .605691 $\begin{array}{lllll}0.137947 & 0.206589 & 0.672254 & 0.969276\end{array}$ 19823 .228326 0.65300 $\begin{array}{lllll}0.149192 & 0.275194 & 0.908175 & 0.893514\end{array}$ $\begin{array}{lllllll}0.071144 & 0.191472 & 0.737352 & 1.132623\end{array}$ $\begin{array}{lllllll}0.137735 & 0.135448 & 1.215975 & 1.101917\end{array}$ $\begin{array}{llllll}0.133406 & 0.235362 & 0.689596 & 0.892634\end{array}$ $\begin{array}{lllll}0.100607 & 0.238538 & 1.227602 & 0.751109\end{array}$ $\begin{array}{llll}0.138639 & 0.255061 & 1.178999 & 1.173245 \\ 0.125888 & 0.179253 & 0.777793 & 0.58025 \\ 0\end{array}$ $\begin{array}{lllll}0.140098 & 0.22836 & 0.960581 & 1.04532\end{array}$ $\begin{array}{lllllll}0.082318 & 0.137198 & 0.58406 & 0.488815\end{array}$ 0.1098380 .2309030 .9623021 .10060 0.0834270 .1190130 .6109010 .695962 $\begin{array}{lllll}0.172843 & 0.230835 & 1.26766 & 1.020622\end{array}$ $\begin{array}{lllll}118372 & 0.207113 & 0.833175 & 0.795724\end{array}$ $\begin{array}{llllll}0.120583 & 0.146799 & 0.726211 & 0.87956\end{array}$ $\begin{array}{llllll}0.148232 & 0.172055 & 0.735671 & 0.6680\end{array}$ $\begin{array}{lllllllll}0.063697 & 0.13782 & 0.453397 & 0.463387\end{array}$

$\begin{array}{llllllllll}1000 & 1352.026 & 0.023491 & 0.073541 & 0.070211 & 0.080859 & 4.803375 & 5.214763 & 0.012202\end{array}$ | 1000 | 1020.649 | 0.028988 | 0.059359 | 0.019486 | 0.044694 | 5.405383 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | 4.92245660 .0122439 $\begin{array}{lllllllllllll}1000 & 871.0185 & 0.026595 & 0.058306 & 0.030444 & 0.059129 & 4.807918 & 4.868788 & 0.005925\end{array}$ $\begin{array}{llllllll}1000 & 788.8582 & 0.022266 & 0.050468 & 0.063462 & 0.059543 & 4.048605 & 4.550377 \\ 0.005919\end{array}$ $\begin{array}{lllllllll}1000 & 769.7227 & 0.0223222 & 0.043406 & 0.060414 & 0.042042 & 3.804484 & 3.480203 & 0.007717 \\ 1000 & 1200.92 & 0.042717 & 0.097971 & 0.017745 & 0.098644 & 6750475 & 620264 & 0.012442\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1200.92 & 0.0427717 & 0.097971 & 0.051745 & 0.098644 & 6.705475 & 6.020264 \\ 0 & 0.012442\end{array}$ $\begin{array}{lllllllll}1000 & 1118.919 & 0.040537 & 0.114388 & 0.075089 & 0.066383 & 7.089314 & 6.675079 & 0.009022 \\ 1000 & 848.424 & 0.025362 & 0.056064 & 0.050358 & 0.040093 & 4.755701 & 4045392 & 0.010051\end{array}$ $\begin{array}{llllllllll}1000 & 801.464 & 0.022507 & 0.06107 & 0.034894 & 0.04906 & 5.524901 & 4.633902 & 0.007346\end{array}$ $\begin{array}{lllllllll}1000 & 1271.241 & 0.033043 & 0.071467 & 0.101159 & 0.054993 & 5.05853 & 5.761511 & 0.00491\end{array}$ $\begin{array}{lllllllll}1000 & 10144.516 & 0.031521 & 0.059354 & 0.047444 & 0.056105 & 6.777437 & 4.760619 & 0.006961\end{array}$ $\begin{array}{lllllllll}1000 & 923.5832 & 0.023393 & 0.06375 & 0.0759 & 0.051848 & 5.470681 & 4.359981 & 0.007327\end{array}$ $\begin{array}{lllllllll}1000 & 939.9624 & 0.02504 & 0.059916 & 0.081788 & 0.066463 & 4.47921 & 4.41166 & 0.009097 \\ 1000 & 1078.016 & 0.027869 & 0.055941 & 0.045927 & 0.071933 & 5.96142 & 4.400321 & 0.006377\end{array}$ $\begin{array}{lllllllll}1000 & 1166.966 & 0.03258 & 0.064303 & 0.044724 & 0.066285 & 6.011821 & 5.65076 & 0.0013475\end{array}$ $\begin{array}{lllllllll}1000 & 11599.922 & 0.028083 & 0.075734 & 0.053608 & 0.052343 & 5.22834 & 5.35894 & 0.011027\end{array}$ $\begin{array}{lllllllll}1000 & 973.0536 & 0.021643 & 0.076293 & 0.0433 & 0.067819 & 4.640778 & 3.898032 & 0.007714\end{array}$ $\begin{array}{llllllll}1000 & 12727.713 & 0.032129 & 0.073118 & 0.077188 & 0.072452 & 4.76976 & 4.4124 \\ 0 & 0.01006\end{array}$ $\begin{array}{llllllll}1000 & 14660.947 & 0.0260322 & 0.086537 & 0.10541 & 0.090229 & 6.049864 & 5.386546 \\ 0 & 0.011067\end{array}$ $\begin{array}{llllllll}1000 & 1013.478 & 0.023935 & 0.049768 & 0.052964 & 0.052586 & 6.914327 & 4.386989\end{array} 0.008972$ $\begin{array}{lllllllll}1000 & 1198.259 & 0.033211 & 0.079052 & 0.070611 & 0.050021 & 5.710875 & 5.99669 & 0.010562\end{array}$ $\begin{array}{llllllllll}1000 & 796.0023 & 0.018668 & 0.051893 & 0.044852 & 0.060428 & 4.508972 & 4.501946 & 0.005685\end{array}$ $\begin{array}{lllllllllll}1000 & 1200.491 & 0.01899 & 0.048122 & 0.03196 & 0.041359 & 4.150331 & 3.74807 & 0.005175\end{array}$ $\begin{array}{lllllllll}1000 & 949.961 & 0.019083 & 0.061693 & 0.042103 & 0.052639 & 5.062988 & 4.101502 & 0.00717\end{array}$ $\begin{array}{lllllllll}1000 & 940.4517 & 0.021671 & 0.081905 & 0.050246 & 0.075295 & 5.898443 & 4.743594 & 0.005791\end{array}$ $\begin{array}{lllllllll}1000 & 612.4708 & 0.018871 & 0.05657 & 0.049984 & 0.056645 & 4.525887 & 3.848906 & 0.010425 \\ 1000 & 1210.977 & 0.028621 & 0.059386 & 0.069257 & 0.044542 & 5.532933 & 5.200658 & 0.010504\end{array}$ $\begin{array}{lllllllllllll}1000 & 1017.453 & 0.021297 & 0.077942 & 0.066609 & 0.064501 & 4.650447 & 4.225874 & 0.004841\end{array}$ $\begin{array}{llllllllll}1000 & 1051.326 & 0.024586 & 0.062122 & 0.07452 & 0.09297 & 4.931308 & 4.788805 & 0.008335\end{array}$ $\begin{array}{lllllllll}1000 & 1130.154 & 0.021167 & 0.066468 & 0.078506 & 0.068826 & 5.607113 & 4.75748 & 0.010301\end{array}$ $\begin{array}{llllllllll}1000 & 1324.411 & 0.024059 & 0.060622 & 0.026 & 0.076829 & 5.396136 & 4.971187 & 0.0088476 \\ 1000 & 1231095\end{array}$ $\begin{array}{lllllllll}1000 & 1231.995 & 0.020527 & 0.057165 & 0.039759 & 0.052974 & 4.500447 & 3.923245 & 0.00714 \\ & 1300 & 13062 & 0.02513 & 0.070911 & 0.042104 & 0.069788 & 6776909 & 571415\end{array}$ $\begin{array}{lllllllll}1000 & 1306.232 & 0.02513 & 0.070911 & 0.042104 & 0.069788 & 6.776909 & 5.714115 & 0.012834 \\ 1000 & 1210.603 & 0.018082 & 0.065892 & 0.013489 & 0.074086 & 5.62395 & 5.046554 & 0.010189\end{array}$ $\begin{array}{llllllllllll}1000 & 1322.989 & 0.021273 & 0.052212 & 0.068934 & 0.057275 & 4.150104 & 4.731397 & 0.006478\end{array}$ $\begin{array}{llllllllll}1000 & 715.0354 & 0.0186 & 0.042492 & 0.030269 & 0.047625 & 4.774597 & 3.711763 & 0.006961\end{array}$ $\begin{array}{lllllllll}1000 & 837.4757 & 0.02481 & 0.047183 & 0.029536 & 0.069469 & 4.296249 & 4.192821 & 0.011522\end{array}$ $\begin{array}{lllllllll}1000 & 16422.926 & 0.0250877 & 0.066916 & 0.098179 & 0.075538 & 5.384947 & 4.99574 & 0.012727\end{array}$ $\begin{array}{lllllllll}1000 & 1012.488 & 0.026513 & 0.081168 & 0.085686 & 0.082747 & 5.039367 & 4.943079 & 0.006323 \\ 1000 & 1076.989 & 0.02908 & 0.087184 & 0.087476 & 0.070276 & 5.184636 & 5.201367 & 0.006867\end{array}$ $\begin{array}{lllllllll}1000 & 1061.49 & 0.025072 & 0.075937 & 0.051556 & 0.06946 & 5.350917 & 5.172532 & 0.008754\end{array}$ $\begin{array}{llllllllll}1000 & 1297.53 & 0.02291 & 0.071355 & 0.064405 & 0.067729 & 6.755614 & 4.749258 & 0.006104\end{array}$ $\begin{array}{lllllllll}1000 & 1161.548 & 0.027177 & 0.113111 & 0.116056 & 0.078592 & 7.524429 & 6.583345 & 0.007508\end{array}$ $\begin{array}{lllllllll}1000 & 1127.908 & 0.0199355 & 0.065972 & 0.057281 & 0.088827 & 5.553845 & 4.824284 & 0.009683\end{array}$ $\begin{array}{llllllll}1000 & 1199.274 & 0.027989 & 0.100455 & 0.082787 & 0.054653 & 5.877338 & 4.79048 \\ 1000 & 0.011082\end{array}$ | 1000 | 905.0915 | 0.019058 | 0.063888 | 0.044434 | 0.042432 | 5.679175 | 4.122291 | 0.005767 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 1029.303 | 0.022676 | 0.057501 | 0.097365 | 0.058767 | 5328633 | 4.744009 | 0.007369 | $\begin{array}{lllllllll}1000 & 1248.73 & 0.02933 & 0.058598 & 0.056528 & 0.064512 & 6.553382 & 5.417607 & 0.01325\end{array}$ $\begin{array}{lllllllll}1000 & 1051.19 & 0.021511 & 0.056822 & 0.023963 & 0.093133 & 4.573625 & 4.678905 & 0.012092\end{array}$ $\begin{array}{lllllllll}1000 & 1149.858 & 0.032084 & 0.106863 & 0.054987 & 0.094812 & 7.05144 & 5.880341 & 0.008932\end{array}$ $\begin{array}{llllllll}1000 & 1451.264 & 0.026052 & 0.076281 & 0.065818 & 0.068761 & 5.735178 & 5.082347 \\ 0 & 0.009337\end{array}$ $\begin{array}{lllllllll}1000 & 1003.045 & 0.034478 & 0.082577 & 0.076768 & 0.085558 & 6.742416 & 5.249507 & 0.015431 \\ 1000 & 1532503 & 0.03741 & 0.091692 & 0.128699 & 0.085624 & 6.5144 & 6.119732 & 0.013388\end{array}$ $\begin{array}{lllllllll}1000 & 1582.503 & 0.03641 & 0.091692 & 0.128699 & 0.088624 & 6.5144 & 6.119732 & 0.013388 \\ 1000 & 1222814 & 0.024986 & 0.079739 & 0.053703 & 0.045592 & 6.45193 & 4.781395 & 0.007765\end{array}$ $\begin{array}{lllllllll}1000 & 1032.024 & 0.042326 & 0.105822 & 0.125045 & 0.097909 & 6.9604 & 6.199465 & 0.012391\end{array}$ $\begin{array}{lllllllll}1000 & 665.3416 & 0.018033 & 0.042515 & 0.065602 & 0.052832 & 3.601261 & 3.464728 & 0.00809\end{array}$ $\begin{array}{lllllllll}1000 & 1475.426 & 0.041791 & 0.085208 & 0.087778 & 0.072316 & 6.594404 & 6.489938 & 0.014342\end{array}$ $\begin{array}{llllllll}1000 & 774.5816 & 0.029057 & 0.056738 & 0.070217 & 0.054008 & 3.953137 & 3.701101\end{array} 0.008536$ | 1000 | 1511.547 | 0.037228 | 0.071851 | 0.046995 | 0.063787 | 6.869677 | 5.26095 | 0.014568 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1320.41 & 0.032316 & 0.106267 & 0.068068 & 0.100484 & 6.059267 & 6.539843 & 0.008387 \\ 1000 & 1217.476 & 0.037493 & 0.049092 & 0.059977 & 0.071963 & 7.063154 & 5.748849 & 0.010138\end{array}$ $\begin{array}{lllllllll}1000 & 937.9106 & 0.02636 & 0.066346 & 0.084412 & 0.064927 & 6.071301 & 6.115298 & 0.010558\end{array}$ $\begin{array}{lllllllll}1000 & 852.6422 & 0.029916 & 0.055405 & 0.051547 & 0.055518 & 5.796222 & 5.336978 & 0.012494\end{array}$ $\begin{array}{llllllllllll}1000 & 741.4912 & 0.024381 & 0.041093 & 0.049908 & 0.054755 & 4.263407 & 3.125631 & 0.006892\end{array}$



$\begin{array}{llll}22 & 107.01 & 10950.42 & 68482.55 \\ 32 & 114.01 & 9660.65 & 65422.38\end{array}$ $\begin{array}{lll}114.01 & 9660.65 & 65422.38 \\ 111.01 & 8578.24 & 91893.94\end{array}$ $\begin{array}{lll}111.01 & 8578.24 & 91893.94 \\ 98.01 & 7049.28 & 76253.51\end{array}$ $\begin{array}{lll}98.01 & 7049.28 & 76233.51 \\ 109.01 & 11563.33 & 66442.99\end{array}$ $\begin{array}{llll}119.02 & 9303.3 & 70871.12 \\ 143302 & 9309.43 & 771109.46\end{array}$ $\begin{array}{lll}143.02 & 9309.43 & 71109.46 \\ 147.02 & 9707.63 & 68468.68\end{array}$ $\begin{array}{lll}147.02 & 9707.63 & 68468.68 \\ 108.01 & 9071.69 & 65638.52\end{array}$ $\begin{array}{rrr}108.01 & 9071.69 & 65638.52 \\ 76.01 & 7684.45 & 73239.87\end{array}$ $\begin{array}{llll}117.01 & 8339.86 & 61755.82\end{array}$ | 126.02 | 9814.9 | 76729.3 |
| :--- | ---: | ---: |
| 1435 |  |  | $\begin{array}{lll}149.02 & 7354.05 & 66218.44 \\ 115.01 & 8554.45 & 88964.56\end{array}$ $\begin{array}{lll}115.01 & 9854.75 & 88964.56 \\ 122.02 & 8388.75 & 75154.63\end{array}$ $\begin{array}{rrr}122.02 & 8388.75 & 75154.63 \\ 115.01 & 7475 & 73429\end{array}$ $\begin{array}{llll}101.01 & 8817.76 & 61438.77\end{array}$ 87.01 9193.09 68741.72 $\begin{array}{rrr}63 & 10338.32 \\ 86.01 & 78394.23\end{array}$ $\begin{array}{llll}86601 & 7800.4 & 72390.34 \\ 76.01 & 7337.79 & 64489\end{array}$ $\begin{array}{lll}76.01 & 7337.79 & 64488.8 \\ 92.01 & 9500.32 & 67196.88\end{array}$ $\begin{array}{lll}92.01 & 9500.32 & 67966.88 \\ 96.01 & 8188.14 & 64316.75\end{array}$ $\begin{array}{llll}103.01 & 7249.39 & 63431.07\end{array}$ $\begin{array}{llll}109.01 & 7544.13 & 64073.69\end{array}$ $\begin{array}{lll}91.01 & 8131.13 & 62636.14 \\ 12202 & 8281.81 & 68273.23\end{array}$ | 122.02 | 8281.81 | 68273.23 |  |
| ---: | ---: | ---: | ---: |
| 93.01 | 8355.14 | 90947.57 |  |
| 9.01 | 7 |  |  | $\begin{array}{lll}93.01 & 8355.14 & 90947.57 \\ 99.01 & 7653.94 & 77788.2\end{array}$ $\begin{array}{llll}133.02 & 94313.54 & 67845.65\end{array}$ $125.02 \quad 7747.51 \quad 57003.95$ $116.01 \quad 7804.4758662 .81$ | 122.02 | 7353.04 | 90933.03 |
| :--- | :--- | :--- | :--- |
| 114.01 | 579971 | 363034 | $\begin{array}{lll}114.01 & 7579.71 & 63360.34 \\ 99.01 & 680256 & 5456677\end{array}$ | 99.01 | 6802.56 | 54566.77 |
| :--- | :--- | :--- |
| 94.01 | 6616.84 | 61648.58 | $\begin{array}{llll}94.01 & 6626.84 & 61648.58 \\ 88.01 & 7749.54 & 53965.86\end{array}$ $\begin{array}{llll}96.01 & 7325.6 & 60734.75\end{array}$ $85.01 \quad 8794.31 \quad 55658.2$ $\begin{array}{lll}87.01 & 7643.77 & 641833.73\end{array}$ | 101.01 | 8146.4 | 63225.07 |  |
| ---: | ---: | ---: | ---: |
| 84.01 | 7028.96 | 67831.79 |  |
|  |  |  |  | $\begin{array}{lll}84.01 & 7028.96 & 67831.79 \\ 99.01 & 7299.18 & 56066.15\end{array}$ $7573.61 \quad 51793.12$ $\begin{array}{ll}6646.27 & 66548.98\end{array}$ 77.017811 .5964729 .78 $\begin{array}{rrr}101.01 & 6404.84 & 58580.07 \\ 89.01 & 7834.99 & 5806016\end{array}$ $\begin{array}{rrr}89.01 & 7834.99 & 58060.16 \\ 58 & 8118.91 & 62615.57\end{array}$ $8118.91 \quad 62615.57$

$6799.51 \quad 50895.54$ $199.04 \quad 5920.33 \quad 53194.19$ $238.06 \quad 6502.21 \quad 50452.95$ $\begin{array}{lll}223.05 & 7172.18 & 57371.21\end{array}$ $\begin{array}{llll}215.05 & 7315.43 & 59283.23 \\ 110.01 & 7584.8 & 5531025\end{array}$ $\begin{array}{lll}110.01 & 7584.8 & 55310.25 \\ 130.02 & 8487.56 & 60028.34\end{array}$ $\begin{array}{llll} & 39.01 & 8884.56 & 60038.16 \\ 73369.54\end{array}$ $69.01 \quad 9180.85 \quad 67853.73$ $\begin{array}{lll}76.01 & 7966.24 & 74123.66\end{array}$ $\begin{array}{lll}90.01 & 8464.13 & 65318.95 \\ 87.01 & 752278 & 65998.59\end{array}$ $\begin{array}{lll}87.01 & 7522.78 & 65998.59 \\ 84.01 & 6252.74 & 69484\end{array}$ $\begin{array}{lll}84.01 & 6252.74 & 6484.09 \\ 88.01 & 10184.91 & 63896.06\end{array}$ $\begin{array}{lll}85.01 & 6621.92 \quad 69511.92\end{array}$ $71.01 \quad 9083.9364531 .25$ $\begin{array}{lllll}11 & 128.02 & 8632.25 & 65685.67\end{array}$
$0.16174 \quad 0.378398 \quad 0.8985160 .93139$ $\begin{array}{lllll}0.081655 & 0.205629 & 0.714003 & 0.745672\end{array}$ 1.854831 .054602 $\begin{array}{lllll}0.126272 & 0.196654 & 0.966526 & 1.555283 \\ 0.088178 & 0.212866 & 0.722576 & 0.674608\end{array}$ $\begin{array}{llllll}0.137938 & 0.233491 & 0.950889 & 0.776666\end{array}$ $\begin{array}{lllll}0.150108 & 0.231716 & 1.299992 & 1.05638\end{array}$ $\begin{array}{lllll}0.093585 & 0.191573 & 0.720641 & 0.73517\end{array}$ $\begin{array}{llllll}0.108238 & 0.143239 & 0.793044 & 0.889971\end{array}$ $\begin{array}{llllll}0.119082 & 0.276445 & 0.754162 & 1.067614\end{array}$ $0.09778 \quad 0.2340330 .7156191 .250456$ $\begin{array}{lllll}0.101445 & 0.146357 & 0.603934 & 0.571406\end{array}$ $\begin{array}{llll}0.091196 & 0.226888 & 0.937306 & 0.98448\end{array}$ $0.05993 \quad 02110130.8325510 .794929$ $\begin{array}{lllll}0.042918 & 0.215348 & 0.991521 & 0.735995\end{array}$ $\begin{array}{llllll}0.056272 & 0.144094 & 0.854311 & 0.716842\end{array}$ $\begin{array}{lllll}0.114391 & 0.233547 & 1.49334 & 1.07818\end{array}$ 0.0808430 .1935530 .8652960 .80016 $\begin{array}{lllll}0.087888 & 0.294751 & 0.754651 & 1.029148 \\ 0.086417 & 0.190719 & 0.633331 & 0.569642\end{array}$ $\begin{array}{lllll}0.122865 & 0.298788 & 0.778027 & 1.07752\end{array}$ 0. 1006490.1443190 .7129820 .62345 0.0900490 .2072480 .6726270 .55232 $\begin{array}{lllll}0.126628 & 0.267146 & 0.68205 & 0.97495\end{array}$ $\begin{array}{llll}0.153603 & 0.23751 & 0.556878 & 0.64088\end{array}$ $\begin{array}{lllll}0.159366 & 0.17354 & 0.61441 & 0.723105 \\ 0.145069 & 0.228427 & 0.747004 & 0.7600\end{array}$ $\begin{array}{llllll}0.279695 & 0.222442 & 0.832589 & 0.761238\end{array}$ 0.2005060 .1630470 .9520050 .98758 0.1519190 .2110580 .7052281 .26172 $\begin{array}{llll}0.160479 & 0.156252 & 0.83561 & 0.596622\end{array}$ $\begin{array}{lllll}0.129482 & 0.175543 & 0.574803 & 0.791961\end{array}$ 0.1253110 .1223970 .8077020 .69993 $\begin{array}{lllll}0.064489 & 0.205476 & 0.856246 & 1.004432\end{array}$ 0.071080 .1192330 .4715140 .90823 $\begin{array}{llllll}0.091207 & 0.213233 & 0.769888 & 0.87848\end{array}$ $\begin{array}{llll}0.069939 & 0.238226 & 0.706001 & 1.1452\end{array}$ $\begin{array}{lllll}0.057842 & 0.188633 & 0.633436 & 0.655145\end{array}$ $\begin{array}{llllll}0.023668 & 0.209969 & 0.664615 & 0.690643\end{array}$ $\begin{array}{llllllll}0.035951 & 0.12344 & 0.524248 & 0.535816\end{array}$ $\begin{array}{llllllll}0.047763 & 0.16202 & 0.582214 & 0.57988\end{array}$ $\begin{array}{lllll}0.05675 & 0.199579 & 0.77955 & 0.756324\end{array}$ $\begin{array}{llll}0.043396 & 0.163458 & 0.814689 & 0.803823\end{array}$ 0.079062 0.232693 0.0370081 $\begin{array}{lllll}0.054493 & 0.251953 & 0.734513 & 0.762374\end{array}$ $0.05885 \quad 0.3021190 .8052341 .15075$ $0.063308 \quad 0.3113561 .3195021 .484087$ $\begin{array}{llll}0.028855 & 0.25297 & 0.933124 & 0.73393\end{array}$ $\begin{array}{llll}0.041598 & 0.160763 & 0.75102 & 0.605284\end{array}$ $\begin{array}{llll}0.04892 & 0.345207 & 1.12002 & 0.85569 \\ 0.039088 & 0.1426 & 0.495712 & 0.645046\end{array}$ $0.0399270 .2655940 .873718 \quad 1.056765$ 0.0539790 .2476670 .8407290 .730212 0.0444210 .1977170 .6982790 .653762 $\begin{array}{lllll}0.050102 & 0.158996 & 0.608061 & 0.885078\end{array}$ $\begin{array}{lllll}0.057553 & 0.278984 & 0.907405 & 0.812033\end{array}$ $\begin{array}{llll}0.03663 & 0.18032 & 0.993724 & 0.605155\end{array}$ $\begin{array}{lllll}0.045439 & 0.162707 & 0.584343 & 0.56444\end{array}$ $\begin{array}{llllll}0.044268 & 0.239102 & 0.633564 & 0.60533\end{array}$ $0.0482860 .175835 \quad 0.6336120 .54411$

$10077689140.0365690 .082198 \quad 0.086736 \quad 0.0824767519717 \begin{array}{lllll}5.051224 & 0.011526\end{array}$ |  | 1000 | 953.6252 | 0.0373389 | 0.0777633 | 0.103412 | 0.0725522 | 5.390648 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | .925507600 .010187 $\begin{array}{llllllllllll} & 0.0038432 & 0.012175\end{array}$ $\begin{array}{lllllllll}1000 & 983.812 & 0.056831 & 0.099196 & 0.112704 & 0.080926 & 5.279911 & 6.160557 & 0.010804 \\ 1000 & 893.5077 & 0.042414 & 0.067297 & 0.065541 & 0.074122 & 6.977709 & 4.304769 & 0.012461\end{array}$ $\left.\begin{array}{llllllll}1000 & 2281.898 & 0.063019 & 0.101982 & 0.044098 & 0.108287 & 7.354331 & 6.02569\end{array}\right) 0.01482$ $\begin{array}{llllllll}1000 & 11455.027 & 0.047096 & 0.093916 & 0.1324223 & 0.139437 & 7.618078 & 6.258618 \\ & 0.013357\end{array}$ $\begin{array}{lllllllll}1000 & 768.9962 & 0.032887 & 0.078149 & 0.137179 & 0.098807 & 5.453057 & 4.135117 & 0.013522 \\ 1000 & 685.5734 & 0.043759 & 0.082113 & 0.079258 & 0.06974 & 5.199181 & 4.047026 & 0.009635\end{array}$ $\begin{array}{lllllllll}1000 & 1033.771 & 0.034532 & 0.076366 & 0.067286 & 0.050415 & 5.014699 & 5.150295 & 0.012257\end{array}$ $\begin{array}{llllllllll}1000 & 1052.857 & 0.042087 & 0.079487 & 0.067196 & 0.092936 & 5.770122 & 4.600288 & 0.01735\end{array}$ $\begin{array}{llllllll}1000 & 1500.527 & 0.041169 & 0.078039 & 0.08916 & 0.103437 & 6.922259 & 5.817707 \\ 0\end{array} 0.013558$ $\begin{array}{llllllll}1000 & 753.1232 & 0.028223 & 0.054408 & 0.057425 & 0.089495 & 3.673269 & 3.565903 \\ 0.010115\end{array}$ $\begin{array}{lllllllll}1000 & 1303.055 & 0.039498 & 0.104242 & 0.047486 & 0.09235 & 6.929462 & 6.724888 & 0.014198 \\ 1000 & 1107.802 & 0.035896 & 0.087747 & 0.048237 & 0.100777 & 5.982989 & 5.770759 & 0.011307\end{array}$

 $\begin{array}{lllllllll}1000 & 795.5521 & 0.032781 & 0.065758 & 0.054133 & 0.066478 & 5.235301 & 3.925285 & 0.009408\end{array}$ $\begin{array}{lllllllllll}1000 & 777.6099 & 0.036577 & 0.063492 & 0.051739 & 0.056099 & 5.579484 & 4.487772 & 0.009908\end{array}$ $\begin{array}{llllllllll}1000 & 919.7347 & 0.038427 & 0.077885 & 0.055997 & 0.045705 & 8.016195 & 6.531973 & 0.008888\end{array}$ $\begin{array}{lllllllll}1000 & 10266.073 & 0.0353308 & 0.059838 & 0.048639 & 0.060274 & 5.155987 & 5.155346 & 0.016908\end{array}$ \begin{tabular}{lrllllll}
1000 \& 900.7339 \& 0.036959 \& 0.051904 \& 0.103666 \& 0.053276 \& 5.057619 \& 4.79226 <br>
1000 \& 881.89 \& 0.036059 \& 0.074311 \& 0.053333 \& 0.058163 \& 5.560984 \& 4.229733 <br>
\hline

 $\begin{array}{llllllll}1000 & 976.2701 & 0.030822 & 0.076484 & 0.076119 & 0.08234 & 6.416197 & 5.427229\end{array} 0.008621$ $\begin{array}{lllllllll}1000 & 1070.172 & 0.0258 & 0.059039 & 0.04146 & 0.064736 & 4.081228 & 3.850587 & 0.009213\end{array}$ $\begin{array}{lllllllll}1000 & 936.8899 & 0.033068 & 0.089874 & 0.037965 & 0.083743 & 5.123546 & 4.690089 & 0.008798\end{array}$ 

1000 \& 1116.44 \& 0.030496 \& 0.084295 \& 0.085197 \& 0.07673 \& 6.358681 \& 5.275136 \& 0.012781 <br>
\hline 0.3789 \&

 

1000 \& 813.0669 \& 0.028799 \& 0.08836 \& 0.092876 \& 0.09095 \& 5.330065 \& 4.731179 \& 0.009579 <br>
1000 \& 9304594 \& <br>
\hline

 $\begin{array}{lllllllrl}1000 & 939.4594 & 0.028146 & 0.086519 & 0.066643 & 0.069221 & 5.733149 & 6.719 & 0.009213 \\ 1000 & 862.7588 & 0.025284 & 0.099308 & 0.080737 & 0.073066 & 5.114713 & 5.60172 & 0.011903\end{array}$ $\begin{array}{lllllllll}1000 & 1355.051 & 0.043563 & 0.12177 & 0.083075 & 0.152501 & 9.175486 & 7.111868 & 0.01449\end{array}$ $\begin{array}{lllllllllllll}1000 & 1059.423 & 0.027574 & 0.099544 & 0.08916 & 0.102456 & 5.451783 & 4.322098 & 0.011507\end{array}$ $\begin{array}{llllllllll}1000 & 8499.8997 & 0.032892 & 0.078944 & 0.104805 & 0.086004 & 5.045888 & 4.086339 & 0.010885\end{array}$ $\begin{array}{llllllll}1000 & 11636.633 & 0.0363335 & 0.10353 & 0.085275 & 0.116968 & 6.078354 & 8.105918 \\ 0 & 0.011114\end{array}$ $\begin{array}{lllllllll}1000 & 807.3135 & 0.030029 & 0.085678 & 0.07844 & 0.093728 & 5.453321 & 4.91296 & 0.011767\end{array}$ $\begin{array}{llllllll}1000 & 11 . .9445 & 0.018473 & 0.053639 & 0.059522 & 0.053866 & 3.346702 & 2.896924 \\ 1000 & 1106.579 & 0.0077974 & 0.088108 & 0.066193 & 0.085229 & 5.499716 & 5.531302 \\ & 0.012807\end{array}$ $\begin{array}{lllllllll}1000 & 948.5725 & 0.028124 & 0.080865 & 0.095912 & 0.071143 & 5.866177 & 4.401595 & 0.013849\end{array}$ $\begin{array}{llllllllll}1000 & 1090.671 & 0.018619 & 0.059389 & 0.050998 & 0.067453 & 4.696806 & 4.198362 & 0.008932\end{array}$ $\begin{array}{lllllllll}1000 & 1167.288 & 0.041509 & 0.090231 & 0.032559 & 0.076579 & 7.509141 & 5.114151 & 0.01643\end{array}$ $\begin{array}{lllllllll}1000 & 1081.695 & 0.035084 & 0.085783 & 0.060081 & 0.082184 & 6.783723 & 6.138505 & 0.017533\end{array}$ $\begin{array}{llllllll}1000 & 794.0619 & 0.030775 & 0.065486 & 0.0442 & 0.082018 & 5.962693 & 4.983682 \\ 0.009119\end{array}$ 

1000 \& 826.7229 \& 0.018163 \& 0.047645 \& 0.046988 \& 0.045501 \& 3.613699 \& 3.761725 <br>
\hline \& 0.005416 <br>
1000 \& 1039.784 \& 0.027201 \& 0.056794 \& 0.051608 \& 0.070977 \& 4.735694 \& 3.922033 <br>
0.004939

 $\begin{array}{llllllllllll}1000 & 663.9745 & 0.020024 & 0.057091 & 0.035746 & 0.029353 & 4.380534 & 3.228618 & 0.003839\end{array}$ $\begin{array}{llllllllll}1000 & 1144.96 & 0.02355 & 0.043521 & 0.023828 & 0.06732 & 4.897541 & 5.293367 & 0.009919\end{array}$ $\begin{array}{llllllll}1000 & 12770.545 & 0.028978 & 0.06901 & 0.08229 & 0.06277 & 6.235486 & 5.566859\end{array} 0.00995$ $\begin{array}{llllllll}1000 & 850.9155 & 0.027311 & 0.093956 & 0.064723 & 0.098605 & 5.620353 & 5.551388 \\ 0.0122455\end{array}$ $\begin{array}{llllllll}1000 & 882.1184 & 0.027772 & 0.064963 & 0.06603 & 0.064795 & 5.32327 & 4.249995 \\ 0.006488\end{array}$ $\begin{array}{llllllll}1000 & 1059.164 & 0.029701 & 0.08126 & 0.059373 & 0.04206 & 6.553604 & 5.443323 \\ 1000 & 1304.449 & 0.034463 & 0.154693 & 0.085147 & 0.144436 & 5.60714 & 4.529078 \\ 0.009894\end{array}$ $\begin{array}{llllllllllllll}1000 & 1565.004 & 0.023769 & 0.18433 & 0.197233 & 0.221937 & 5.262887 & 5.112147 & 0.010252\end{array}$ $\begin{array}{lllllllll}1000 & 1154.272 & 0.037031 & 0.409194 & 0.246533 & 0.329293 & 7.046057 & 5.903131 & 0.019339\end{array}$ $\begin{array}{llllllll}1000 & 1267.386 & 0.024006 & 0.256898 & 0.22971 & 0.201737 & 5.120664 & 4.417314\end{array} 0.008213$ 

1000 \& 735.746 \& 0.021599 \& 0.143347 \& 0.13079 \& 0.174336 \& 4.70032 \& 4.106857 \& 0.00739 <br>
\hline 000 \& 912.3144 \& 0.220085 \& 0.166942 \& 0.124992 \& 0.117506 \& 7147551 \& 5.617361 \& 0.012208
\end{tabular} $\begin{array}{lllllllll}1000 & 112.3144 & 0.022085 & 0.166942 & 0.124992 & 0.117506 & 7.147551 & 5.617361 & 0.012208 \\ 1000 & 807.897 & 0.014038 & 0.099264 & 0.045333 & 0.087011 & 4.849928 & 3.688638 & 0.004615\end{array}$ $\begin{array}{lllllllll}1000 & 1267.434 & 0.021878 & 0.142473 & 0.12829 & 0.093308 & 7.041743 & 6.747273 & 0.008151\end{array}$ $\begin{array}{lllllllll}1000 & 1022.618 & 0.023091 & 0.09598 & 0.07058 & 0.052173 & 7.109646 & 5.652258 & 0.008886\end{array}$ $\begin{array}{llllllllll}1000 & 722.8922 & 0.018478 & 0.075175 & 0.078293 & 0.050065 & 5.164449 & 5.176222 & 0.009023\end{array}$ $\begin{array}{lllllllll}1000 & 1056.25 & 0.020874 & 0.056443 & 0.068927 & 0.064699 & 5.663927 & 4.705348 & 0.007035\end{array}$ $\begin{array}{llllllll}1000 & 1210.191 & 0.028896 & 0.083466 & 0.020608 & 0.072342 & 5.875767 & 5.556158 \\ 0.004425\end{array}$ $\begin{array}{lllllllll}1000 & 828.6909 & 0.021206 & 0.055529 & 0.036758 & 0.058148 & 4.102073 & 4.924401 & 0.004365 \\ 1000 & 894.5745 & 0.019716 & 0.069727 & 0.071145 & 0.061344 & 6.664922 & 4.49372 & 0.006551\end{array}$ $\begin{array}{llllllllll}1000 & 777.452 & 0.023567 & 0.057848 & 0.043139 & 0.052641 & 3.874697 & 4.3906 & 0.004175\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 858.6873 & 0.018381 & 0.060867 & 0.065036 & 0.050062 & 6.481424 & 4.953267 & 0.006804\end{array}$ $\begin{array}{llllllllll}1000 & 1073.9 & 0.023 & 0.08123 & 0.039142 & 0.094888 & 5.474599 & 4.483662 & 0.005743\end{array}$

| 545.834 | 24.16791 | 67 | 118.01 | 213.14 | 350.39 | 8383.21 | 132 | 231.06 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 546.1688 | 24.18465 | 61 | 107.01 | 388.48 | 329.34 | . 89 | 132934 | 263.07 | 96.01 |
| 546.5026 | 24.20134 | 107.01 | 96.01 | 355.4 | 327.34 | 6993.21 | 129898. | 292.09 | 165. |
| 546.837 | 24.21806 | 113.01 | 89.01 | 431.59 | 499.79 | 8084.03 | 126506.7 | 339.12 | 107.01 |
| 547.1708 | 24.23475 | 1.02 | 5.02 | 473.71 | 434.6 | 03.35 | 153372.5 | 248.07 |  |
| 547.5046 | 24.25144 | 141.02 | 114.0 | 1.2 | 293.27 | 08.49 | 177848 | 264.08 | 106.01 |
| 547.839 | 24.26816 | 107.01 | 113.01 | 99.28 | 270.23 | 7575.45 | 229515 | 259.0 | 55.01 |
| 548.1728 | 24.28485 | 113.01 | 135.02 | 289.26 | 312.31 | 10020.61 | 152817.9 | 263.07 |  |
| 548.5067 | 24.30155 | 30.01 | 164.03 | 0.18 | 82.25 | 15967.92 | 180632 | 277.08 |  |
| 548.8409 | 24.31826 | 55 | 156.03 | 87.26 | 63.42 | 9320.16 | 165930. | 252.0 |  |
| 549.1748 | 24.3349 | 58 | 134.02 | 326.34 | 388.48 | 10434.45 | 142845.2 | 292.09 | 8.01 |
| 549.5086 | 24.35164 | 56 | 151.02 | 309.3 | 371.44 | 7965.15 | 168193.5 | 309.1 |  |
| 843 | 24.3683 |  | 126.02 | 357.4 | 308.3 | 079.58 | 176735 | 353.13 | 1.01 |
| 550.1768 | 24.3850 | . 01 | 141.02 | 22.33 | 74.7 | 8085.08 | 127183 | 340.1 |  |
| 550.5106 | 24.40174 | 01 | 9.01 | 303.29 | 336.36 | 8458.09 | 108955.9 | 318.11 |  |
| 550.8449 | 24.41846 | 69 | 121.02 | 331.35 | 356.4 | 9759.84 | 134864.3 | 298. |  |
| 551.1788 | 24.43515 | 01 | 2.02 | 32.34 | 504.8 | 10007.83 | 128583.1 | 35.1 | , 0 |
| 551.5126 | 24.45184 | 81.01 | 100 | 251.2 | 487.7 | 8381.1 | 160147.6 | 342.13 | 117.01 |
| 551.8469 | 24.46856 | 89.01 | 9.01 | 407.52 | 426.57 | 8028.2 | 141616.3 | 32.13 |  |
| 552.1807 | 24.48525 | . 01 | 76.01 | 61.41 | 6.55 | 13289.58 | 160843.7 | 345.1 |  |
| 552.5146 | 24.50194 | . 01 | 0.01 | 44.19 | 476.72 | 8573.12 | 19103 | 9.1 | 105.0 |
| 552.8499 | 24.5187 | . 1 | 92.01 | 413.54 | 302 | 8354. | 134312 | . |  |
| 553.1837 | 24.5354 | 60 | 106.01 | 46.38 | 638.29 | 8383.21 | 15363 | 15.11 |  |
| 553.5176 | 24.55209 | 62 | 6 | 3.25 | 381.46 | 7274.64 | 166169. | 291.09 |  |
| 553.8519 | 24.56881 | 110.01 | 01 | 94.7 | 363.42 | 6213.23 | 15028 | 292.0 | 111.0 |
| 554.1857 | 24.585 | 82.0 | 94.01 | 54.22 | 330.34 | 742.35 | 129648 | 307.6 | 121.0 |
| 554.5195 | 24.60219 | 19.01 | . 01 | 7.24 | 348.38 | 510.8 | 122934 | 13.1 | 101.0 |
| 554.8539 | 24.61891 | 109.01 | 110.01 | 04.29 | 486.75 | 6562.08 | 148397.4 | 306.1 |  |
| 555.1877 | 24.6356 | 92.01 | 1.01 | 388. | 280.25 | 10878.26 | 153864.5 | 257.0 |  |
| 555.5215 | 24.65229 | 79.01 | 62 | 12.14 | 352.39 | 9763.03 | 131143.2 | 268.0 | 105.0 |
| 555.8559 | 24.6690 | 97.01 | 01 | 55.21 | 285.26 | 950.43 | 144176 | 279 |  |
| 556.1897 | 24.6857 | 125.02 | . 01 | 315.31 | 254.2 | 11397.4 | 177316.6 | 247.0 | 105. |
| 556.524 | 24.70241 | 136.02 | 01 | 224.16 | 298.28 | 9263.95 | 179208.2 | 262 |  |
| 556.8578 | 24.7191 | 112.01 | 104.01 | 331.17 | 302.29 | 8605.8 | 147004.8 | 279 |  |
| 557.1917 | 24.7358 | 106.01 | 107.01 | 279.25 | 306.3 | 988 | 1191 | 236.06 |  |
| 557.526 | 24.75251 | 119.01 | 92.01 | 22.17 | 318.32 | 8144.0 | 123778.2 | 248.07 |  |
| 557.8599 | 24.76921 | 100.01 | 8. 01 | 226.16 | 268.23 | 8411.68 | 127813.3 | 224.05 | 105. |
| 558.1937 | 24.785 | 97.01 | 81.01 | 34 | 301.2 | 865.0 | 130724.1 | 239.06 |  |
| 558.528 | 24.8026 | 44.02 | 92.01 | 64.2 | 29.18 | 434.8 | 170575. | 254.0 | 5.0 |
| 558.8618 | 24.8193 | 9.01 | 116.01 | 297.28 | 295.28 | 8265.16 | 123748.8 | 295.59 | 74.01 |
| 559.1956 | 24.83599 | 88.01 | 92.01 | 280.25 | 285.26 | 7172.05 | 127208.6 | 253.07 |  |
| 559.53 | 24.85271 | 104.01 | 92.01 | 68.23 | 379.45 | 9265.01 | 1799 | 261.07 |  |
| 559.8638 | 24.8694 | 81.01 | 81.01 | 245.19 | 305.29 | 8203 | 122639 | 268.08 | 101.0 |
| 560.1976 | 24.88609 | 83.01 | 83.01 | 268.23 | 480.73 | 7718.19 | 152111 | 195.04 |  |
| 560.532 | 24.90281 | 93.01 | 81.01 | 311.31 | 252.2 | 9997.18 | 133735. | 279.08 | 104.0 |
| 560.8668 | 24.91955 | 78.01 | 95.01 | 3.24 | 358.4 | 7903.1 | 188638. | 246.07 | 5.0 |
| 561.2006 | 24.93624 | 55 | 8.01 | 334.35 | 292.27 | 5886.95 | 141945.3 | 251.07 |  |
| 561.535 | 24.95296 | 65 | 69 | 235.17 | 325.33 | 8685.06 | 124108.1 | 252.07 | 1.0 |
| 561.8688 | 24.96965 | 68 | 9.01 | 240.18 | 288.26 | 8075.61 | 118153.2 | 281.0 |  |
| 562.2026 | 24.98634 | 57 | 7.01 | 302.29 | 390.48 | 10399.21 | 166327.9 | 275.08 | \% |
| 562.537 | 25.00306 | 50 | 88.01 | 217.15 | 336.36 | 7891.55 | 168401.5 | 254.07 |  |
| 562.8708 | 25.01975 | 36 | 74.01 | 166.09 | 325.33 | 6694.53 | 120209.1 | 220.05 | 8.01 |
| 563.2046 | 25.03644 |  | 84.01 | 298.28 | 223.16 | 6876.18 | 125145.8 | 29.1 | \% |
| 563.5389 | 25.05316 | 51 | 2.01 | 217.15 | 233.17 | 7928.34 | 113886.5 | 281.09 | 88.0 |
| 563.8727 | 25.0698 | 50 | 78.01 | 179.1 | 222.16 | 6421.41 | 139965.9 | 263.07 |  |
| 564.2066 | 25.08654 | 46 | 77.01 | 175.1 | 200.13 | 10083.4 | 106911.9 | 219.0 |  |
| 564.541 | 25.10326 | 41 | 85.01 | 119.04 | 187.11 | 7869.47 | 120372.2 | 228.06 |  |
| 564.8748 | 25.11995 | 39 | 101.01 | 144.07 | 189.11 | 7029.8 | 117569.8 | 219.05 | 70.01 |
| 565.2086 | 25.13664 | 54 | 59 | 140.06 | 185.11 | 8161.93 | 124338.1 | 222.05 |  |
| 565.5429 | 25.15336 | 38 | 71.01 | 157.08 | 233.17 | 6917.96 | 14476 | 176.0 |  |
| 565.8767 | 25.17005 | 45 | 69 | 89.03 | 165.09 | 7050.71 | 118699.1 | 157.03 |  |
| 566.2106 | 25.18674 | 40 | 70.01 | 146.07 | 189.11 | 8576.28 | 119121 | 183.04 |  |
| 566.5449 | 25.20346 | 49 | 102.01 | 156.08 | 229.17 | 8341.04 | 139982. | 178.0 | 50 |
| 566.8787 | 25.22015 | 32 | 72.01 | 149.07 | 242.19 | 6804.12 | 166068.3 | 199.04 | 74.01 |
| 567.2125 | 25.23684 | 37 | 89.01 | 146.07 | 201.13 | 6838.58 | 157568.9 | 217.05 |  |
| 567.5469 | 25.2535 | 38 | 58 | 126.0 | 25 | 6803.0 | 142905. | 210.0 |  |

 $\begin{array}{ll}568.2145 & 25.28694 \\ 568.5489 & 25.30366\end{array}$ $568.8837 \quad 25.3204$ $\begin{array}{ll}568.8837 & 25.3204 \\ 569.2175 & 25.33709\end{array}$ $\begin{array}{ll}569.5519 & 25.33381 \\ 5698857 \\ 25.3705\end{array}$ $\begin{array}{ll}569.8857 & 25.3705 \\ 57022 & 258721\end{array}$ $\begin{array}{rr}570.22 & 25.38721 \\ 570.5538 & 25.4039\end{array}$ $570.8877 \quad 25.4206$ $571.222 \quad 25.43731$ $\begin{array}{lr}571.222 \\ 571.5558 & 25.43741 \\ 25.454\end{array}$ $\begin{array}{r}571.8896 \\ 525.47069 \\ 572.224 \\ \hline\end{array}$ $\begin{array}{rrr}572.224 & 25.48741 \\ 572.5578 & 25.5041\end{array}$ $\begin{array}{ll}572.5578 & 25.5041 \\ 572.8917 & 25.5208\end{array}$ $573.226 \quad 25.53751$ $573.5598 \quad 25.5542$ | 573.893625 .57089 |
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| 574.228 |
| 2558761 | 574.22825 .58761 $\begin{array}{ll}574.5618 & 25.6043 \\ 574.8956 & 25.62099\end{array}$ 574.8956

575.23
25.663771 $575.5638 \quad 25.6544$ 575.897625 .67109 $576.2319 \quad 25.68781$ $\begin{array}{ll}576.5657 & 25.7045 \\ 576.9006\end{array}$ 576.900625 .72124
577.2349
2573796 $\begin{array}{lll}577.5488 & 25.75465\end{array}$ $577.9026 \quad 25.77134$ $578.2369 \quad 25.78806$ 578.570725 .80475 578.904625 .82144 $\begin{array}{ll}579.2389 & 25.83816 \\ 579.5728 & 25.85485\end{array}$ $\begin{array}{lll}579.9066 & 25.87154\end{array}$ $580.2409 \quad 25.88826$ 580.574725 .90495 580.908625 .92164 $\begin{array}{ll}581.2429 & 25.93836 \\ 581.5767 & 25.95505\end{array}$ $\begin{array}{ll}581.5767 & 25.95505 \\ 581.9105 & 25.97174\end{array}$ $582.2449 \quad 25.98846$ 582.578726 .00515 582.91326 .02186 $\begin{array}{rl}583.2468 & 26.03855 \\ 583.5807 & 26.05525\end{array}$ 583.5807
583.915
26.05525
26.07196 583.91526 .07196
584.2488

26.08865 584.5826 26.10534 $584.918 \quad 26.12211$ $\begin{array}{ll}585.2518 & 26.1388 \\ 5855856\end{array}$ 585.585626 .15549 $\begin{array}{rr}585.92 & 26.17221 \\ 586.2538 & 26.1889\end{array}$ $\begin{array}{ll}586.2538 & 26.1889 \\ 586.5876 & 26.20559\end{array}$ $586.922 \quad 26.22231$ $\begin{array}{ll}587.2558 \\ & 26.239 \\ 5875897 & 26.2557\end{array}$ $\begin{array}{lll}587.5897 & 26.2557\end{array}$ | 587.92426 .27241 |
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| 588 | $\begin{array}{ll}588.2578 & 26.2891 \\ 588.5916 & 26.30579\end{array}$ $588.926 \quad 26.32251$ $589.2598 \quad 26.3392$ 589.593626 .35589

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> $\begin{array}{lll}71.01 & 6143.26 & 46333.29 \\ 56 & 5650.93 & 46167.61\end{array}$ $\begin{array}{lll}56 & 5650.93 & 46167.61 \\ 56 & 5361.45 & 49343.27\end{array}$ 5630.6841950 .01 5314.9145551 .77 $\begin{array}{lll}5634.73 & 61055.88 \\ 6644.24 & 546477\end{array}$ $\begin{array}{lr}6644.24 & 54647.7 \\ 6241.59 & 60318.79\end{array}$ $\begin{array}{ll}6241.59 & 60318.29 \\ 5638.78 & 55519.66\end{array}$ $\begin{array}{lll}5638.18 & 55519.66 \\ 6771.09 & 58990.02\end{array}$ $\begin{array}{lll} & 7478.05 & 61825.4\end{array}$ $\begin{array}{lll}1 & 7465.85 & 66704.53\end{array}$ 7260.5690547 .97 7631.5774004 .72 $\begin{array}{ll}7853.3 & 59369.5 \\ 6713.24 & 5795376\end{array}$ $6103.64 \quad 61905.27$ $\begin{array}{lll} & 7303.24 & 69535.1\end{array}$ $60 \quad 8232.94 \quad 59040.41$ 7456.767891 .85 7605.1468114 .88
8099.57

588230 $\begin{array}{lr}8099.57 & 58230 \\ 9091.07 & 57512.54\end{array}$ $\begin{array}{lll}9091.07 & 57512.54 \\ 8281.81 & 75557.93\end{array}$ $\begin{array}{rrr}94.01 & 8281.81 & 75557.93 \\ 137.02 & 8599.71 & 61556.22\end{array}$ $\begin{array}{llll}153.03 & 8276.72 & 70322.8 \\ 1025 & 7763.78 & 70356.18\end{array}$ | 102.01 | 7763.78 | 70356.48 |
| :--- | :--- | :--- | :--- |
| 125.02 |  |  |
| 830014 |  |  | $\begin{array}{llll}125.02 & 8300.14 & 73241.04 \\ 111.01 & 8051.73 & 66482.16\end{array}$ $\begin{array}{lll}111.01 & 8051.73 & 66482.16 \\ 148.02 & 8136.22 & 66137.85\end{array}$ $\begin{array}{llll}135.02 & 7212.81 & 59336.58\end{array}$ $\begin{array}{ccc}135.02 & 7212.81 & 59336.58 \\ 119.02 & 7800.4 & 63416.2\end{array}$ $\begin{array}{rrr}106.01 & 7697.67 & 60803.06 \\ 74.01 & 6789.36 & 60135.2\end{array}$ $\begin{array}{lll}74.01 & 6789.36 & 60135.2 \\ 89.01 & 7859.41 & 6929984\end{array}$ $\begin{array}{lll}7859.41 & 69299.84 \\ 7561.41 & 61106\end{array}$ $\begin{array}{lrrr}7573.41 & 64839.96\end{array}$ $\begin{array}{lll}86.01 & 7513.61 & 54839.96 \\ 88.01 & 6870.57 & 59202.65\end{array}$ 69657.5758486 .02 $\begin{array}{rr}7633.61 & 63140.4 \\ 7070.6 & 65526.99\end{array}$ 7070.665526 .99

7685.47

57554.38 $\begin{array}{ll}7685.47 & 57554.38 \\ 8331.71 & 61125.37\end{array}$ $\begin{array}{cc}8331.71 \\ 8424.4 & 67644.7\end{array}$ $7714.96 \quad 70510.93$ 8068.0266578 .92 | 8040.5466322 .06 |
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| 85256 |
| 715982.74 | 8552.7671698 .24

8026.29
69473.66 8026.2969473 .66
8312.36

65755.83 8090.4168298 .67 8628.1770137 .08 |  | 9072.71 | 68645.67 |
| :--- | :--- | :--- | $\begin{array}{lll}71.01 & 8417.27 & 70842.06 \\ 750.01 & 873.11\end{array}$ $\begin{array}{rrr}75.01 & 8073.11 & 76377.71 \\ 100.01 & 8410.14 & 69510.75\end{array}$ $\begin{array}{lll}100.01 & 8410.14 & 69510.75 \\ 71.01 & 7659.03 & 70910.64\end{array}$ $\begin{array}{lll}71.01 & 7659.03 & 70910.64 \\ 89.01 & 8215.63 & 74278.13\end{array}$ $\begin{array}{rrr}59 & 8287.92 & 75079.38 \\ 86.01 & 7949 & 64.965\end{array}$ $\begin{array}{lll}86.01 & 7949.96 & 64494.54 \\ 901.01 & 8492.65 & 64827.35\end{array}$ $\begin{array}{lll}91.01 & 8492.65 & 64827.35 \\ 69.01 & 8434.59 & 78384.35\end{array}$ $\begin{array}{lll}69.01 & 8434.59 & 70384.35 \\ 72.01 & 7570.56 & 75010.22\end{array}$ $\begin{array}{rrr}72.01 & 7570.56 & 75010.22 \\ 102.01 & 8408.1 & 75188\end{array}$ $\begin{array}{rrr}72.01 & 8408.1 & 75188.42 \\ 75.01 & 7953.02 & 65570.69\end{array}$ $\begin{array}{lll}01 & 7953.02 & 65570.69 \\ 44 & 8392.82 & 61932.66\end{array}$

0.0237030 .1509640 .4143840 .46631 $\begin{array}{lllll}0.047636 & 0.205993 & 0.405085 & 0.4839 \\ 0.049325 & 0.222461 & 0.436194 & 0.60191\end{array}$ $0398880.111099 \quad 0.3098470 .39809$ $\begin{array}{llllll}0.021096 & 0.175009 & 0.350011 & 0.27176\end{array}$ $\begin{array}{lllll}0.028873 & 0.154685 & 0.38476 & 0.390456\end{array}$ $\begin{array}{lllll}0.014066 & 0.165629 & 0.726865 & 0.485927\end{array}$ $033547 \quad 0.2229670 .77513310 .644956$ $0.0171910 .165828 \quad 0.5740310 .652156$ $\begin{array}{lllll}0.023741 & 0.35998 & 0.5951 & 0.67878\end{array}$ $\begin{array}{llllll}0.013986 & 0.2771 & 0.714508 & 0.873475\end{array}$ $\begin{array}{lllll}0.046347 & 0.314358 & 0.65168 & 1.04180\end{array}$ $\begin{array}{lllll}0.036586 & 0.209406 & 0.766377 & 0.579086 \\ 0.035353 & 0.209593 & 0.694895 & 1.110436\end{array}$ $0335530.144191 \quad .565102$ $\begin{array}{llllll}0.03631 & 0.22484 & 1.177205 & 0.805293\end{array}$ $\begin{array}{lllllll}0.030787 & 0.1778 & 0.664352 & 0.72652\end{array}$ 0.0265480 .1749210 .7101020 .599916 $\begin{array}{lllll}0.050174 & 0.208564 & 0.830769 & 0.627274\end{array}$ $\begin{array}{llll}0.042152 & 0.136727 & 0.727353 & 1.06020 \\ 0.022372 & 0.200343 & 0.977464 & 1.05893\end{array}$ 0.0598070 .2646240 .9210151 .150307 $0.0242020 .149867 \quad 0.591420 .63209$ $\begin{array}{llll}0.033188 & 0.15156 & 0.764889 & 0.768\end{array}$ $\begin{array}{lllll}0.03427 & 0.259728 & 0.773555 & 0.863447\end{array}$ $\begin{array}{llll}0.048545 & 0.265281 & 1.063022 & 1.012024\end{array}$ $\begin{array}{lllll}0.062804 & 0.195956 & 0.793677 & 1.045432 \\ 0.044881 & 0.321924 & 0.742699 & 0.782475\end{array}$ $\begin{array}{llllll}0.043155 & 0.201248 & 0.552375 & 0.770645\end{array}$ $0.039244 \quad 0.266110 .6940950 .83489$ $\begin{array}{llll}0.022751 & 0.173555 & 0.926043 & 0.6385\end{array}$ $\begin{array}{lllll}0.02543 & 0.135721 & 0.978916 & 0.578566\end{array}$ 0.032770 .1788540 .78065070 .688474 $\begin{array}{lllll}0.0459054 & 0.127382 & 0.667616 & 0.63698\end{array}$ 0.0397760 .1733020 .6174890 .601245 $\begin{array}{lllllllll}0.028438 & 0.206317 & 0.517455 & 0.57132\end{array}$ 0.0401690 .1460980 .5742730 .64252 $\begin{array}{lllll}0.014058 & 0.133449 & 0.500227 & 0.483642\end{array}$ $0.0259760 .1782970 .5774470 . .5888$ $\begin{array}{llllll}0.0 .04347 & 0.259358 & 0.721486 & 0.602102\end{array}$ $0.051818 \quad 0.2244510 .7105940 .652724$ 0.0133750 .1579020 .6337140 .53852 $\begin{array}{llllll}0.049969 & 0.294501 & 0.804257 & 0.82837\end{array}$ 0.0507370 .2337580 .9975890 .67932 0.022370 .190443 ..630338 0.57240 $\begin{array}{llllll}0.025709 & 0.199976 & 0.446579 & 0.580659\end{array}$ 0.0306510 .151050 .5515630 .529848 .0317190 .1921890 .5631230 .83336 $\begin{array}{llll}0.042325 & 0.166873 & 0.8939 & 0.640547\end{array}$ $\begin{array}{lllll}0.039064 & 0.136673 & 0.898645 & 0.736932\end{array}$ $\begin{array}{llllll}0.033371 & 0.197186 & 0.648678 & 0.680968\end{array}$ $\begin{array}{lllll}0.050966 & 0.224214 & 0.915646 & 0.801443\end{array}$ 0.0540620 .2281910 .6424730 .51798 $\begin{array}{llllll}0.028174 & 0.220782 & 0.744518 & 0.6098\end{array}$ $\begin{array}{lllll}0.038808 & 0.158652 & 0.543465 & 0.60810\end{array}$ $\begin{array}{llll}0.037906 & 0.259451 & 0.981712 & 0.856568\end{array}$ $047487 \quad 0.190758$ $0.036159 \quad 0.165645 \quad 0.709222 \quad 0.73308$ $\begin{array}{llllll}0.044977 & 0.181663 & 0.637872 & 0.62427\end{array}$ $\begin{array}{llllll}0.045821 & 0.233089 & 0.617632 & 0.87473\end{array}$

$\begin{array}{lllllllll} & 700 & 778.7689 & 0.010699 & 0.050367 & 0.039307 & 0.055265 & 4.817513 & 3.926037\end{array} 0.003308$ | 1000 | 987.7728 | 0.018532 | 0.06676 | 0.082443 | 0.047637 | 5.433867 | 4.802641 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.005468 |  |  |  |  |  |  |  | $\begin{array}{lllllllllllll}1000 & 800.8237 & 0.0141 & 0.043646 & 0.035768 & 0.029321 & 4.012991 & 3.234565 & 0.004401\end{array}$ $\begin{array}{lllllllll}1000 & 1203.977 & 0.011301 & 0.02487 & 0.022592 & 0.016965 & 3.70156 & 3.435228 & 0.002944\end{array}$ | 1000 | 1113.577 | 0.013498 | 0.02993 | 0.04576 | 0.025557 | 4.595244 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | .38868670 .003047 $\begin{array}{lllllllll}1000 & 1006.542 & 0.008288 & 0.030475 & 0.026182 & 0.017398 & 5.379742 & 4.776167 & 0.008141\end{array}$ | 1000 | 888.0129 | 0.007893 | 0.031643 | 0.018256 | 0.034152 | 4.308827 | 4.498397 | 0.002575 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 883.9305 | 0.011021 | 0.03375 | 0.070941 | 0.032881 | 4.665578 | 4.969761 | 0.003495 | $\begin{array}{lllllllll}1000 & 993.891 & 0.010582 & 0.049169 & 0.078864 & 0.042623 & 5.840022 & 5.425495 & 0.003634\end{array}$ $\begin{array}{llllllllll}1000 & 1023.791 & 0.014044 & 0.054253 & 0.017624 & 0.072495 & 6.434364 & 5.734116 & 0.002785\end{array}$ $\begin{array}{lllllllll}1000 & 1210.234 & 0.015919 & 0.070249 & 0.030543 & 0.040091 & 7.061582 & 6.800934 & 0.007658\end{array}$ $\begin{array}{llllllll}1000 & 1437.696 & 0.018177 & 0.069517 & 0.0884602 & 0.073769 & 7.188063 & 9.666056\end{array} 0.0162$ $\begin{array}{llllllll}1000 & 1233.48 & 0.020926 & 0.069848 & 0.041354 & 0.046592 & 6.312934 & 6.5597547 \\ 1000 & 0.009911 \\ 1000 & 1076.91 & 0.028221 & 0.055214 & 0.052431 & 0.075146 & 6.655168 & 5.428409\end{array} 0.006868$ $\begin{array}{llllllll}1000 & 1076.91 & 0.028221 & 0.055214 & 0.052431 & 0.071469 & 6.665168 & 5.428409 \\ 0.006868 \\ 1000 & 749.436 & 0.016272 & 0.044249 & 0.038964 & 0.04079 & 4.226466 & 3.937878 \\ 0.00541\end{array}$ $\begin{array}{llllllll}1000 & 749.436 & 0.016272 & 0.044249 & 0.038964 & 0.04079 & 4.226466 & 3.937878 \\ 1000 & 1045.398 & 0.019969 & 0.039277 & 0.087398 & 0.053146 & 7.290153 & 5.997798 \\ 0.012956\end{array}$ $\begin{array}{llllllll}1000 & 1291.545 & 0.013489 & 0.033852 & 0.032018 & 0.049484 & 4.67526 & 4.799469\end{array} 0.00674$ $\begin{array}{lllllllll}1000 & 1055.392 & 0.017413 & 0.055744 & 0.005526 & 0.034997 & 5.249599 & 4.053758 & 0.007324\end{array}$ $\begin{array}{llllllll}1000 & 12933.595 & 0.022767 & 0.083325 & 0.06624 & 0.055712 & 6.709115 & 6.58465 \\ 0.009034\end{array}$ $\begin{array}{llllllll}1000 & 870.9131 & 0.017742 & 0.051148 & 0.047822 & 0.052234 & 5.885125 & 5.680571\end{array} 0.010024$ $\begin{array}{lllllllll}1000 & 14866.781 & 0.024811 & 0.066169 & 0.0886092 & 0.085997 & 8.58662 & 5.843746 & 0.014046\end{array}$ $\begin{array}{lllllllll}1000 & 703.7272 & 0.017292 & 0.058534 & 0.040569 & 0.061345 & 4.967176 & 4.879512 & 0.00718\end{array}$ $\begin{array}{lllllllll}1000 & 902.3779 & 0.020859 & 0.079395 & 0.087496 & 0.1121 & 5.909948 & 4.580137 & 0.014311\end{array}$ $\begin{array}{lllllllll}1000 & 11766.953 & 0.021858 & 0.131098 & 0.122102 & 0.139085 & 6.23816 & 5.707014 & 0.015243\end{array}$ | 1000 | 1061.629 | 0.020446 | 0.137211 | 0.119895 | 0.090539 | 6.192818 | 6.046768 | 0.009943 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1705.218 & 0.025866 & 0.115721 & 0.138441 & 0.119969 & 6.843961 & 6.502478 & 0.007869 \\ 1000 & 985.7944 & 0.025301 & 0.094595 & 0.096079 & 0.087444 & 5.587478 & 4.968995 & 0.007973\end{array}$ $\begin{array}{lllllllll}1000 & 1039.603 & 0.020507 & 0.103898 & 0.059303 & 0.12339 & 5.653267 & 4.948993 & 0.013043\end{array}$ $\begin{array}{lllllllllll}1000 & 1068.111 & 0.02897 & 0.099734 & 0.138082 & 0.114966 & 5.193287 & 4.60703 & 0.011433\end{array}$ $\begin{array}{llllllllll}1000 & 1135.961 & 0.026009 & 0.074934 & 0.080882 & 0.091881 & 5.222991 & 4.57493 & 0.011273\end{array}$ $\begin{array}{llllllll}1000 & 849.4853 & 0.027507 & 0.063005 & 0.096391 & 0.082875 & 5.356593 & 4.559304 \\ 0.011042\end{array}$ $\begin{array}{lllllllll}1000 & 873.6932 & 0.022881 & 0.06484 & 0.028299 & 0.05519 & 5.024669 & 4.802665 & 0.0132 \\ 1000 & 1071.787 & 0.021284 & 0.081404 & 0.042995 & 0.073379 & & 0.04754 & 5744712\end{array}$ $\begin{array}{lllllllll}1000 & 1071.787 & 0.021284 & 0.081404 & 0.042995 & 0.073379 & 6.04754 & 5.744712 & 0.007722 \\ 1000 & 963.9281 & 0.029329 & 0.066644 & 0.067409 & 0.047758 & 5.967345 & 5.197457 & 0.008306\end{array}$ $\begin{array}{lllllllll}1000 & 1076.781 & 0.023987 & 0.061621 & 0.055041 & 0.068208 & 5.663179 & 4.41952 & 0.00787\end{array}$ $\begin{array}{lllllllll}1000 & 926.8275 & 0.019382 & 0.052515 & 0.040645 & 0.068355 & 4.990121 & 4.639499 & 0.005886\end{array}$ $\begin{array}{llllllll}1000 & 875.3692 & 0.016532 & 0.041231 & 0.032513 & 0.039479 & 4.804841 & 4.648032 \\ 0\end{array} 0.008119$ $\begin{array}{llllllll}1000 & 764.0233 & 0.016791 & 0.051006 & 0.035309 & 0.042738 & 5.391654 & 4.80599\end{array} 0.004344$ $\begin{array}{lllllllll}1000 & 778.5222 & 0.016465 & 0.042548 & 0.048888 & 0.052244 & 4.692308 & 4.690431 & 0.005699\end{array}$ $\begin{array}{llllllll}1000 & 1042.355 & 0.020297 & 0.072944 & 0.062238 & 0.027416 & 7.065977 & 5.702053 \\ 1000 & 1143.0082 & 0.0169362 \\ & 0.036537 & 0.02156 & 0.060862 & 6.815437 & 5.383518 & 0.008204\end{array}$ $\begin{array}{lllllllll}1000 & 1119.113 & 0.018829 & 0.060053 & 0.034696 & 0.06006 & 7.662261 & 6.623527 & 0.011328\end{array}$ $\begin{array}{lllllllll}1000 & 769.8183 & 0.01287 & 0.038516 & 0.031564 & 0.034682 & 4.871686 & 4.797729 & 0.008179\end{array}$ $\begin{array}{lllllllll}1000 & 1133.291 & 0.024834 & 0.057242 & 0.044938 & 0.074453 & 6.490422 & 5.7686 & 0.005727\end{array}$ $\begin{array}{llllllll}1000 & 1231.615 & 0.023703 & 0.062354 & 0.037538 & 0.051519 & 6.849777 & 6.08544 \\ & 0.006892\end{array}$ $\begin{array}{llllllll}1000 & 795.5652 & 0.018638 & 0.029273 & 0.022916 & 0.057246 & 5.138581 & 4.636802\end{array} 0.005149$ $\begin{array}{llllllll}1000 & 1280.636 & 0.01435 & 0.049293 & 0.067065 & 0.061869 & 5.89829 & 5.498887 \\ 1000 & 756.2593 & 0.019643 & 0.04598 & 0.052361 & 0.037107 & 4.224704 & 3.598336 \\ 0.006331\end{array}$ $\begin{array}{lllllllllll}1000 & 783.3175 & 0.019145 & 0.030315 & 0.024809 & 0.042691 & 4.555388 & 4.141736 & 0.005649\end{array}$ $\begin{array}{llllllll}1000 & 993.1511 & 0.026607 & 0.062129 & 0.043514 & 0.03441 & 5.552828 & 4.858243 \\ 0 & 0.008326\end{array}$ $\begin{array}{llllllll}1000 & 1059.415 & 0.028639 & 0.048866 & 0.029418 & 0.056206 & 6.064334 & 4.936162\end{array} 0.00994$ | 1000 | 853.4713 | 0.037081 | 0.051315 | 0.08466 | 0.049249 | 5.903915 | 5.349354 | 0.009076 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 9856535 | 0.024103 | 0.031605 | 0.055673 | 0.042577 | 4.925212 | 5018523 |  | | 1000 | 985.6535 | 0.024103 | 0.031605 | 0.055673 | 0.046257 | 4.925212 | 5.018523 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1107.246 | 0.003065 | 0.05681 | 0.027661 | 0.069476 | 5.28182 | 4.699778 | $\begin{array}{lllllllllllll}1000 & 1356.145 & 0.038168 & 0.066286 & 0.037874 & 0.05325 & 5.802765 & 5.789495 & 0.012759\end{array}$ $\begin{array}{lllllllll}1000 & 842.4541 & 0.045025 & 0.070501 & 0.050491 & 0.065441 & 5.640338 & 5.491265 & 0.009219\end{array}$ $\begin{array}{lllllllll}1000 & 881.6135 & 0.039909 & 0.061226 & 0.049767 & 0.036198 & 5.608806 & 5.470844 & 0.011715\end{array}$ $\begin{array}{llllllll}1000 & 823.8188 & 0.035821 & 0.046904 & 0.020471 & 0.048896 & 4.263674 & 3.725944 \\ 0\end{array} 0.011112$ $\begin{array}{lllllllll}1000 & 872.9193 & 0.036097 & 0.076802 & 0.070111 & 0.066758 & 5.780772 & 4.750111 & 0.012111 \\ 1000 & 1412.403 & 0.03616 & 0.066747 & 0.017305 & 0.044276 & 5.538608 & 4.975598 & 0.010728\end{array}$ $\begin{array}{lllllllll}1000 & 1412.403 & 0.03616 & 0.066747 & 0.017305 & 0.044276 & 5.538608 & 4.975598 & 0.010728 \\ 1000 & 831.2638 & 0.0387 & 0.060334 & 0.058855 & 0.046203 & 4.879272 & 5.210399 & 0.011168\end{array}$ $\begin{array}{llllllllll}1000 & 797.7878 & 0.033547 & 0.070026 & 0.045906 & 0.061021 & 4.523896 & 4.355239 & 0.011925\end{array}$ $\begin{array}{lllllllll}1000 & 893.9799 & 0.046778 & 0.049039 & 0.027076 & 0.053794 & 5.64165 & 5.010447 & 0.013664\end{array}$ $\begin{array}{llllllll}1000 & 887.3181 & 0.040982 & 0.044478 & 0.022416 & 0.022644 & 5.83332 & 4.634267 \\ 0.008657\end{array}$

589.927926 .37261 | 590.2618 | 26.3893 |
| :--- | :--- |
| 590 | 5956 | $590.9299 \quad 26.42271$ $591.2637 \quad 26.4394$ 591.597626 .45609 591.931926 .47281 $\begin{array}{ll}592.2657 & 26.4895 \\ 592.5995 & 26.50619\end{array}$ 599.9349 26.52296 $593.2687 \quad 26.53965$ 593.602526 .55634 593.936926 .57306 594.270726 .58975 $\begin{array}{ll}594.6046 & 26.60644 \\ 594.9389 & 26.62316\end{array}$ $595.2727 \quad 26.63985$ 595.606526 .65654 595.940926 .67326 596.274726 .68995 596.609

596.70666
5969429 $597.2767 \quad 26.74005$ $597.611 \quad 26.75676$ 597.944826 .77345 598.278626 .79014
598.613
26880686 598.61326 .80686 598.946826 .82355
5992806

26.84024 599.61526 .85696 $599.9488 \quad 26.87365$ 600.282626 .89034 600.616926 .90706 $600.9518 \quad 26.9238$ $\begin{array}{r}601.2856 \\ 601.62 \\ 66.94049 \\ \hline 6.9521\end{array}$ $601.9538 \quad 26.9739$ $602.2876 \quad 26.99059$ $602.6219 \quad 27.00731$ $\begin{array}{lll}602.9557 & 27.024 \\ 6032896 & 27 & \end{array}$ 603.289627 .04069 $\begin{array}{ll}603.624 & 27.05741 \\ 603.9578 & 27.0741\end{array}$ $604.2916 \quad 27.09079$ $604.6259 \quad 27.10751$ $\begin{array}{lll}604.9597 & 27.1242 \\ 605.2936 & 27.14089\end{array}$ \begin{tabular}{ll}
605.2936 <br>
605.6279 \& 27.14089 <br>
\hline

 $605.9617 \quad 27.1743$ $606.2955 \quad 27.19099$ $606.6299 \quad 27.20771$ $\begin{array}{ll}606.9637 & 27.2244 \\ 6072975 & 2724109\end{array}$ 

$607.2975 \quad 27.24109$ <br>
6076319 <br>
\hline 6.72581
\end{tabular} $\begin{array}{lr}607.6319 & 27.25781 \\ 607.9657 & 27.2745\end{array}$ $608.3 \quad 27.29121$ $\begin{array}{ll}608.6349 & 27.30796\end{array}$ $608.9687 \quad 27.32465$ 609.302627 .34134 $\begin{array}{ll}609.6368 & 27.35805 \\ 609.9707 & 27.37475\end{array}$ $609.9707 \quad 27.37475$

610.305
27.39146 610.6389
27.74816 $610.9727 \quad 27.42485$ 611.307
611.6408
27.445825


$\begin{array}{lll}94.01 & 7634.62 & 72539.59\end{array}$ | 66 | 755.11 | 68862.44 |
| :--- | :--- | :--- |
| .01 | 7558.36 | 52662.15 | $7051.31 \quad 60775.73$ $\begin{array}{ll}7051.31 & 60775.73 \\ 7572.6 \\ 60310.32\end{array}$ | $7477.03 \quad 58648.07$ |
| :--- |
| 731239 | |  | 7312.39 | 63733.37 |
| :--- | :--- | :--- | :--- | $6700.05 \quad 57726.31$

6589.45
54529.68 $\begin{array}{rrr}6589.45 & 54529.68 \\ 6315.6 & 58344.4\end{array}$ $\begin{array}{cc}6321.68 & 564244.8 \\ 638.4\end{array}$ $\begin{array}{ll}6321.68 & 56424.8 \\ 6840.11 & 51350.82\end{array}$ 6299.3854923 .18 6400.7849695 .82 6155.4249428 .88
6115.9
59269.61 6115.9
5958.02
57946.61 6281.13 52963.39 $\begin{array}{ll}5537.55 & 48813.27 \\ 608.48 \\ 4616209\end{array}$ $\begin{array}{lll}55.01 & 6008.48 & 46162.09\end{array}$ 85.01
78.01

87 | 68.01 | 6426.13 | 48715.55 |
| :--- | :--- | :--- | :--- |
| 68070.43 |  |  | $\begin{array}{lll}68.01 & 6426.13 & 42070.43 \\ 68.01 & 5620.56 & 50630.16\end{array}$ $48 \quad 6150.3644553 .55$ 85.01

56
56 6343.99
535524.49
551.72
50427.32 $\begin{array}{ll}5551.72 & 50427.32 \\ 5931.47 & 4620074\end{array}$ $\begin{array}{rl}5931.47 & 46200.74 \\ 7499.4 & 56791.63\end{array}$ $\begin{array}{ll}7499.4 & 56791.63 \\ 7129.51 & 6848.02\end{array}$ 7129.51 64848.02
6957.8868037 .44 $6957.888^{68037.44}$
8268.58

63640.6 $8238.03 \quad 67996.99$ 7638.6966513 .26 $\begin{array}{ll}6869.55 & 62351.66 \\ 7721.06 & 64355.73\end{array}$ \begin{tabular}{l}
7721.06 <br>
7069.59 <br>
7333576.55 <br>
\hline

 $\begin{array}{lll}77.01 & 7069.59 & 73376.55 \\ 77.01 & 7507.53 & 63673.82\end{array}$ 

77.01 <br>
87.01 \& 6982.25 \& 59151.59 <br>
\hline 65 \& 696.47 <br>
55498.27

 $\begin{array}{lll}65 & 6996.47 & 55498.27\end{array}$ $\begin{array}{ll}6753.84 & 55376.67 \\ 6942.65 & 68613.27\end{array}$ 

6942.65 \& 68613.27 <br>
7533.96 \& 61704.48 <br>
\hline
\end{tabular} 7533.96

$6965.22 \quad 5981.74$ $6655.22 \quad 59781.74$
7538.03
75284.59

776975 | 7769.7566543 .21 |
| :--- |
| 6688.8952969 .86 | 6688.8952696 .86 $\begin{array}{ll}6439.32 & 60127.24 \\ 6656.42 & 65382.16\end{array}$ $\begin{array}{ll}6656.42 & 65382.16 \\ 6664.53 & 48975.43\end{array}$ $\begin{array}{ll}6664.53 & 48975.43 \\ 7046.23 & 59442.15\end{array}$ 7046.2359442 .15

6186.85
55688.61 6324.73 56592.95 $\begin{array}{ll}\text { 6324.73 } & 56592.95 \\ 7029.98 & 56503.79\end{array}$ $60 \quad 6165.5662503 .59$ 7109.256320 .93
$6221.31 \quad 63003.14$ $\begin{array}{ll}6221.31 \\ 6430.19 & 61255.26\end{array}$ 7178.2763626 .86 7065.5363637 .17 $\begin{array}{ll}\text { O620.33 } & 63697.17 \\ 67970.37\end{array}$ $\begin{array}{lll}93.01 & 7471.95 & 55879.04 \\ 82.01 & 7189.45 & 55364.28\end{array}$ $\begin{array}{rrr}82.01 & 7189.45 & 55364.28 \\ 63 & 6798.5 & 58713.82\end{array}$ $64 \quad 6320.67 \quad 71370.01$ $\begin{array}{lll}64 & 6320.67 & 71370.01 \\ .01 & 7053.34 & 57952.63\end{array}$
$\begin{array}{lllll}047708 & 0.201892 & 0.691759 & 0.8991\end{array}$ $\begin{array}{llll}0.026223 & 0.158532 & 0.504934 & 0.748173\end{array}$ $\begin{array}{llll}0.026223 & 0.158532 & 0.504934 & 0.748173 \\ 0.033788 & 0.14487 & 0.467551 & 0.5472\end{array}$ $\begin{array}{lllll}0.029725 & 0.206569 & 0.617631 & 0.53323\end{array}$ $\begin{array}{lllll}0.04227 & 0.17959 & 0.649351 & 0.78498\end{array}$ $\begin{array}{llll}0.027342 & 0.231594 & 0.633258 & 0.48612\end{array}$ 0.046970 .0 .1231210 .0789686 $\begin{array}{llll}0.046907 & 0.193121 & 0.786866 & 0.512915\end{array}$ $\begin{array}{llllll}0.020594 & 0.205807 & 0.563493 & 0.701908\end{array}$ $0.037708 \quad 0.2138710 .5653750 .45579$ 0.036770 .2085510 .5275760 .56935 $\begin{array}{lllll}0.017735 & 0.133262 & 0.317245 & 0.71745\end{array}$ $\begin{array}{lllll}0.02869 & 0.198477 & 0.540682 & 0.574464\end{array}$ $\begin{array}{llllll}0.027007 & 0.150174 & 0.476902 & 0.556544\end{array}$ $\begin{array}{llllllll}0.027329 & 0.136502 & 0.397726 & 0.35781\end{array}$ 0.0328390 .165510 .4645410 .48619 $\begin{array}{llll}0.044489 & 0.15512 & 0.466146 & 0.45186\end{array}$ $\begin{array}{lllll}0.036681 & 0.15722 & 0.500524 & 0.551927\end{array}$ $\begin{array}{lllll}0.033019 & 0.218895 & 0.572464 & 0.503301 \\ 0.037763 & 0.131181 & 0.466739 & 0.336047\end{array}$ $\begin{array}{llllll}0.024208 & 0.160216 & 0.54409 & 0.50005\end{array}$ $\begin{array}{llllll}0.037602 & 0.163441 & 0.389045 & 0.39197\end{array}$ $0.035598 \quad 0.1434590 .3356370 .315692$ $\begin{array}{lllll}0.029097 & 0.199429 & 0.66358 & 0.554946\end{array}$ $\begin{array}{llllll}0.028472 & 0.146814 & 0.325954 & 0.464787\end{array}$ $\begin{array}{lllll}0.040228 & 0.181707 & 0.405406 & 0.473652 \\ 0.027564 & 0.192325 & 0.47881 & 0.505925\end{array}$ $\begin{array}{llllllll}0.014079 & 0.190604 & 0.455055 & 0.692383\end{array}$ $\begin{array}{lllll}0.026238 & 0.180098 & 0.423376 & 0.41430\end{array}$ $\begin{array}{lllll}0.042427 & 0.230068 & 0.472563 & 0.79163\end{array}$ $\begin{array}{lllll}0.024739 & 0.18243 & 0.502057 & 0.582361\end{array}$ $\begin{array}{lllllll}0.034388 & 0.185553 & 0.518703 & 0.66332\end{array}$ 0337620.0218547 $\begin{array}{llllll}0.03952 & 0.184999 & 0.573033 & 0.927878\end{array}$ $\begin{array}{llllll}0.042712 & 0.172129 & 0.544835 & 0.48899\end{array}$ 0.0459190 .1816690 .6756680 .644898 $\begin{array}{lllll}0.038149 & 0.217888 & 0.705942 & 0.691467\end{array}$ $\begin{array}{llll}0.054966 & 0.209828 & 0.752707 & 0.83357 \\ 0.047058 & 0.211975 & 0.561923 & 0.8426\end{array}$ $\begin{array}{llllll}029905 & 0.18357 & 0.519744 & 0.553973\end{array}$ 0.0994730 .1543780 .6104940 .74390 $0.052446 \quad 0.1833950 .4863530 .58468$ $\begin{array}{lllll}0.028032 & 0.103179 & 0.347357 & 0.425561\end{array}$ $\begin{array}{lllll}0.052627 & 0.120119 & 0.606595 & 0.40177\end{array}$ $0.026720^{0.169193}$ $\begin{array}{lllll}0.045757 & 0.19147 & 0.54865 & 0.712685\end{array}$ $\begin{array}{llllllllll}0.037415 & 0.175354 & 0.462877 & 0.56636\end{array}$ $\begin{array}{llllllllll}0.022942 & 0.201194 & 0.581562 & 0.51508\end{array}$ $\begin{array}{lllll}0.031793 & 0.17521 & 0.338267 & 0.385071\end{array}$ $\begin{array}{llll}0.033866 & 0.177918 & 0.463208 & 0.513456\end{array}$ $\begin{array}{llllll}0.03465 & 0.135142 & 0.500992 & 0.567243\end{array}$ $\begin{array}{llllll}0.019939 & 0.168525 & 0.424311 & 0.413875\end{array}$ $\begin{array}{lllll}0.030989 & 0.30389 & 0.817537 & 0.611925\end{array}$ 0.0184370 .1123820 .5564590 .509295 $\begin{array}{llll}0.021506 & 0.133911 & 0.552683 & 0.4509\end{array}$ $\begin{array}{llll}0.023369 & 0.184147 & 0.462235 & 0.654496\end{array}$ $\begin{array}{lllll}0.039237 & 0.16481 & 0.501728 & 0.515293 \\ 0.030195 & 0.158216 & 0.485811 & 0.457072\end{array}$ $\begin{array}{llllll}0.036318 & 0.202849 & 0.611896 & 0.645141\end{array}$ $0.01945 \quad 0.217380 .6819050 .62351$ $0.025485 \quad 0.1439720 .4581080 .64187$

$\begin{array}{lllllllllll}1000 & 1162158 & 0.048344 & 0.042051 & 0.037599 & 0.076993 & 5.742139 & 5.879557 & 0.004261\end{array}$ $\left.\begin{array}{lllllll} & 1162.158 & 0.048344 & 0.042051 & 0.037599 & 0.076993 & 5.742139\end{array}\right) .8795570 .004261$ $\begin{array}{lllllllll}1000 & 7955.1246 & 0.037453 & 0.033654 & 0.041138 & 0.041455 & 5.185126 & 4.820542 & 0.00417\end{array}$ $\begin{array}{llllllll}1000 & 1209.472 & 0.045791 & 0.059017 & 0.04396 & 0.047076 & 6.658482 & 5.715358 \\ 0.0007545\end{array}$ | 1000 | 901.7759 | 0.031391 | 0.04851 | 0.010535 | 0.04172 | 5.40324 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | $4.5683730^{0.005148}$ $\begin{array}{lllllllll}1000 & 1056.525 & 0.038898 & 0.042293 & 0.032431 & 0.058509 & 6.2073 & 5.833143 & 0.006049 \\ 1000 & 1119.35 & 0.032096 & 0.04431 & 0.007133 & 0.018792 & 5.502312 & 5.116666 & 0.007057\end{array}$ $\begin{array}{lllllllll}1000 & 1119.35 & 0.032096 & 0.04431 & 0.007133 & 0.018792 & 5.502312 & 5.116666 & 0.007057 \\ 1000 & 987.6447 & 0.029029 & 0.034193 & 0.044241 & 0.027341 & 4.709298 & 4.207043 & 0.004056\end{array}$ $\begin{array}{llllllllll}1000 & 1034.44 & 0.031138 & 0.050201 & 0.084857 & 0.048647 & 5.185473 & 5.174275 & 0.006261\end{array}$ $\begin{array}{llllllllll}1000 & 923.0867 & 0.023256 & 0.033567 & 0.049803 & 0.040896 & 5.083197 & 4.900556 & 0.005349\end{array}$ $\begin{array}{llllllll}1000 & 868.7164 & 0.028536 & 0.037535 & 0.011454 & 0.040975 & 5.368632 & 4.348932\end{array} 0.004452$ $\begin{array}{llllllll}1000 & 834.2915 & 0.019967 & 0.01892 & 0.02455 & 0.02814 & 4.040463 & 3.805223 \\ & 0.00208\end{array}$ $\begin{array}{llllllll}1000 & 1172.027 & 0.026508 & 0.042169 & 0.059877 & 0.0253395 & 5.196182 & 4.35683 \\ 1000 & 940.1493 & 0.005399 \\ & 0.14796 & 0.031023 & 0.020531 & 0.030498 & 3.904368 & 3.387659 & 0.00144\end{array}$ $\begin{array}{rrrrrrrr}1000 & 940.1493 & 0.014796 & 0.031023 & 0.020531 & 0.030498 & 3.904368 & 3.387659 \\ 1000 & 904.2829 & 0.014553 & 0.037008 & 0.01462 & 0.026271 & 4.354613 & 4.560223 \\ 0.004045\end{array}$ $\begin{array}{lllllllll}1000 & 850.4034 & 0.013993 & 0.052173 & 0.040381 & 0.050779 & 4.072083 & 3.732991 & 0.010411\end{array}$ $\begin{array}{llllllllll}1000 & 917.5563 & 0.021416 & 0.045866 & 0.056278 & 0.047334 & 4.791441 & 4.364273 & 0.00879\end{array}$ $\begin{array}{llllllll}1000 & 840.2863 & 0.016111 & 0.04614 & 0.0424855 & 0.038723 & 3.7913 & 3.616549 \\ 1000 & 911.401 & 0.0255565 \\ & 0.055745 & 0.073598 & 0.072393 & 4.828663 & 4.009755 & 0.004958\end{array}$ | 1000 | 911.401 | 0.0225575 | 0.055745 | 0.073598 | 0.072393 | 4.828663 | 4.009755 | 0.004958 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1615.684 & 0.025508 & 0.048925 & 0.062143 & 0.064054 & 5.145339 & 4.282252 & 0.005193 \\ 1000 & 855.2929 & 0.01877 & 0.049167 & 0.03701 & 0.061318 & 3.778256 & 3.476237 & 0.006647\end{array}$ $\begin{array}{lllllllll}1000 & 1079.395 & 0.027755 & 0.063253 & 0.019526 & 0.048927 & 4.746683 & 3.355782 & 0.00743\end{array}$ $\begin{array}{lllllllllll}1000 & 868.236 & 0.021639 & 0.041975 & 0.023385 & 0.047883 & 4.055462 & 3.952382 & 0.005864\end{array}$ $\begin{array}{lllllllllll}1000 & 727.6035 & 0.02517 & 0.029882 & 0.063531 & 0.024959 & 4.008837 & 3.137837 & 0.004337\end{array}$ $\begin{array}{lllllllll}1000 & 939.8508 & 0.030147 & 0.049275 & 0.011212 & 0.069087 & 4.869082 & 3.608011 & 0.006226 \\ 1000 & 1109712 & 0027203 & 0.029816 & 0.024299 & 0.037145 & 4161524 & 090346 & 0.04264\end{array}$ $\begin{array}{llllllll}1000 & 1109.712 & 0.027203 & 0.029816 & 0.024299 & 0.037145 & 4.161524 & 4.090346 \\ 0 & 0.004264\end{array}$ | 1000 | 929.5896 | 0.022794 | 0.039568 | 0.058482 | 0.038104 | 4.69815 | 3.956055 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 919.5265 | 0.029174 | 0.041808 | 0.029518 | 0.059152 | 6.855695 | 5.595997 | $\begin{array}{lllllllll}1000 & 1081.791 & 0.016547 & 0.055316 & 0.026207 & 0.026473 & 5.783048 & 5.673011 & 0.002627\end{array}$ $\begin{array}{lllllllllllll}1000 & 1011.067 & 0.016745 & 0.045718 & 0.009779 & 0.041533 & 4.663261 & 4.919336 & 0.002497\end{array}$ $\begin{array}{llllllllll}1000 & 1131.613 & 0.016372 & 0.047705 & 0.071571 & 0.04603 & 6.934832 & 5.747219 & 0.003933\end{array}$ $\begin{array}{lllllll}1000 & 951.963 & 0.017914 & 0.045616 & 0.062587 & 0.048731 & 6.490242 \\ 5 & 5.768491 & 0.009432\end{array}$ $\begin{array}{lllllllll}1000 & 1036.709 & 0.025818 & 0.048028 & 0.063658 & 0.04063 & 6.116215 & 5.739216 & 0.007259\end{array}$ $\begin{array}{lllllllll}1000 & 1189.206 & 0.02394 & 0.064808 & 0.082676 & 0.034252 & 5.203336 & 5.095821 & 0.016088 \\ 1000 & 1150.254 & 0.028423 & 0.056182 & 0.058447 & 0.057068 & 6.666634 & 5.987514 & 0.006988\end{array}$ $\begin{array}{lllllllll}1000 & 11722.676 & 0.032028 & 0.076221 & 0.069807 & 0.074601 & 6.69926 & 7.499863 & 0.009981\end{array}$ $\begin{array}{lllllllll}1000 & 1185.236 & 0.029935 & 0.067808 & 0.071599 & 0.061677 & 5.885836 & 5.380657 & 0.010538\end{array}$ $\begin{array}{lllllllll}1000 & 1032.264 & 0.029237 & 0.046657 & 0.054509 & 0.074562 & 5.616143 & 5.132585 & 0.012777\end{array}$ $\begin{array}{llllllll}1000 & 958.2753 & 0.031911 & 0.060546 & 0.053728 & 0.049128 & 5.54706 & 4.746566 \\ 0.009123\end{array}$ $\begin{array}{lllllllll}1200 & 1224.788 & 0.027965 & 0.048355 & 0.047476 & 0.06918 & 5.728544 & 5.06901 & 0.006463\end{array}$ $\begin{array}{llllllll}1000 & 1158.328 & 0.029745 & 0.050585 & 0.01151 & 0.055504 & 5.476499 & 5.839061\end{array} 0.007159$ $\begin{array}{llllllllllll}1000 & 1308.214 & 0.021573 & 0.04305 & 0.051323 & 0.056057 & 5.022978 & 5.350542 & 0.010758\end{array}$ $\begin{array}{llllllllll}1000 & 846.84 & 0.025816 & 0.052318 & 0.061875 & 0.056984 & 5.460301 & 5.877723 & 0.005512\end{array}$ | 1000 | 987.7583 | 0.021741 | 0.049501 | 0.01625 | 0.042435 | 4.78685 | 4.41717 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 1000 | 951.1536 | 0.029207 | 0.05214 | 0.028972 | 0.05902 | 4.388657 | 3.731789 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.011066 |  |  |  |  |  |  | $\begin{array}{llllllll}1000 & 863.2646 & 0.030126 & 0.04973 & 0.028731 & 0.042378 & 4.835101 & 4.875317 \\ 0.008649\end{array}$ $\begin{array}{lllllllll}1000 & 902.0163 & 0.023682 & 0.032961 & 0.024709 & 0.039248 & 4.310611 & 4.570245 & 0.005579 \\ 1000 & 1042.695 & 0.027885 & 0.055983 & 0.043006 & 0.054453 & 5.724122 & 4.540378 & 0.007999\end{array}$ $\begin{array}{lllllllllllll}1000 & 1040.202 & 0.023694 & 0.055913 & 0.037297 & 0.044108 & 5.955381 & 5.419098 & 0.003559\end{array}$ $\begin{array}{lllllllll}1000 & 896.2276 & 0.031419 & 0.045245 & 0.06788 & 0.051417 & 4.904584 & 4.769746 & 0.006047\end{array}$ $\begin{array}{llllllll}1000 & 1171.96 & 0.0222315 & 0.040004 & 0.053293 & 0.030064 & 4.96759 & 4.801028 \\ 0\end{array}$ $\begin{array}{llllllll}1000 & 11554.151 & 0.019547 & 0.059355 & 0.025457 & 0.044414 & 5.538243 & 4.801612\end{array} 0.002551$ $\begin{array}{lllllllll}1000 & 1036.747 & 0.018949 & 0.045861 & 0.020879 & 0.043473 & 4.866962 & 5.330984 & 0.010252 \\ 1000 & 990.4565 & 0.020272 & 0.044285 & 0.040332 & 0.057831 & 5.730944 & 4.889809 & 0.004178\end{array}$ $\begin{array}{lllllllll}1000 & 846.7608 & 0.015602 & 0.033695 & 0.038609 & 0.040833 & 4.286715 & 4.68996 & 0.003578\end{array}$ $\begin{array}{lllllllllllll}1000 & 1153.968 & 0.034971 & 0.062162 & 0.014372 & 0.059667 & 6.327716 & 6.509396 & 0.007982\end{array}$ $\begin{array}{lllllllllll}1000 & 1047.337 & 0.019232 & 0.058432 & 0.031339 & 0.045081 & 5.887131 & 5.627423 & 0.007839\end{array}$ $\begin{array}{llllllll}1000 & 11377.339 & 0.022004 & 0.042414 & 0.059234 & 0.055484 & 5.259447 & 5.109426 \\ 0 & 0.004221\end{array}$ $\begin{array}{lllllllll}1000 & 1079.972 & 0.023528 & 0.064155 & 0.075874 & 0.056233 & 5.961345 & 5.741415 & 0.007191 \\ 1000 & 1130.134 & 0.023348 & 0.065516 & 0.063213 & 0.082383 & 5939479 & 4787946 & 0.07981\end{array}$ | 1000 | 1130.134 | 0.023348 | 0.065516 | 0.063213 | 0.080283 | 5.939479 | 4.787946 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.007981 |  |  |  |  |  |  |  |
| 1000 | 902.6588 | 0.024212 | 0.059038 | 0.03413 | 0.058461 | 4.905055 | 4.073378 | $\begin{array}{llllllllll}1000 & 948.3038 & 0.019799 & 0.041728 & 0.007122 & 0.048541 & 5.575068 & 5.195712 & 0.011435\end{array}$ $\begin{array}{llllllllll}1000 & 1510.345 & 0.021139 & 0.056652 & 0.02161 & 0.049565 & 5.165771 & 6.300288 & 0.007825\end{array}$ $\begin{array}{llllllllllllllllllllllll}1000 & 1014.164 & 0.019986 & 0.041925 & 0.041913 & 0.061073 & 5.284305 & 4.683178 & 0.008256\end{array}$


$611.9747 \quad 27.47495$ $\begin{array}{r}612.30927 .49166 \\ 6126428 \\ \hline 175835\end{array}$ $612.9766 \quad 27.52504$ $613.311 \quad 27.54176$ 613.644827 .55845 613.978627 .57514 614.31327 .59186 614.9806 27.62524 $615.3149 \quad 27.64196$ $615.6487 \quad 27.65865$ $615.9826 \quad 27.67534$ $\begin{array}{rr}616.317 & 27.69206 \\ 616.6518 & 27.7088\end{array}$ $616.9856 \quad 27.72549$ $\begin{array}{ll}616.9856 & 27.72549 \\ 617.3199 & 27.74221\end{array}$ $617.6537 \quad 27.7589$ $\begin{array}{ll}617.9876 & 27.77559 \\ 6183219\end{array}$ $\begin{array}{lr}618.3219 & 27.79231 \\ 618.6558 & 27.809\end{array}$ | 618.6558 |  |
| :--- | :--- |
| 618.9896 | 27.8859 | 619.323927 .84241 $619.6577 \quad 27.8591$ 619.991627 .87579 $\begin{array}{lr}620.3259 & 27.89251 \\ 620.6597 & 27.9092\end{array}$ $\begin{array}{ll}620.6597 & 27.9092 \\ 620.9935 & 27.92589\end{array}$ | 620.9935 |  |
| :--- | :--- |
| 621.3279 | 27.942589 | $621.6617 \quad 27.9593$ $\begin{array}{rr}621.996 & 27.97601 \\ 622.3298 & 27.9927\end{array}$ $\begin{array}{ll}622.3298 & 27.9927 \\ 622.6637 & 28.0094\end{array}$ $\begin{array}{rr}622.6637 & 28.0094 \\ 622.998 & 28.02611\end{array}$ $623.3318 \quad 28.0428$ $623.6656 \quad 28.05949$ $\begin{array}{rr}624 & 28.07621 \\ 624.3338 & 28.0929\end{array}$ $\begin{array}{ll}624.3338 & 28.0929 \\ 624.6686 & 28.10964\end{array}$ 625.00328 .12636 625.336928 .14306

625.670728 .15975 625.670728 .15975
626.005
28.17646 626.3388 28.19315 626.672728 .20985 627.00728 .22656 627.3408
628.24325
627674
2825994 $\begin{array}{r}627.6746 \\ 628.009 \\ 28.25994 \\ \hline\end{array}$ 628.009
628.3428
28.2729335 628.676628 .31004 $629.0109 \quad 28.32676$ $629.3448 \quad 28.34345$ 629.678628 .36014 630.012928 .37686
630.346728 .39355 630.6806 28.41024 $\begin{array}{lll}630.6806 & 28.41024 \\ 631.0149 & 28.42696\end{array}$ $631.3488 \quad 28.44365$ $631.6826 \quad 28.46034$ 632.016928 .47706 632.350728 .49375
632.6855
28.51049 $633.0199 \quad 28.52721$ $633.3537 \quad 28.5439$ 633.687628 .56059


ờ 94.01
71.01 108.01
90.01 73.01

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\begin{aligned}
& 95.01 \\
& 70.01 \\
& 7001
\end{aligned}
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\begin{aligned}
& 70.01 \\
& 73.01
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73.01
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84.01
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\begin{aligned}
& 70.01 \\
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\begin{array}{r}
12.01 \\
55 \\
57
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83.01
65
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8
8301 7829.962678 .43
7886.49

6817729 $\begin{array}{ll}7686.49 & 68177.29 \\ 9136.98 & 77070.55\end{array}$ $\begin{array}{ll}83.01891 \\ 89.01 & 805 \\ 69.0\end{array}$ $\begin{array}{rr}8931.96 & 69237.28 \\ 10515.32 & 71967.27\end{array}$ 104.01 8272.6573736 .51 $\begin{array}{r}9026.8169050 .8 \\ \hline\end{array}$ $\begin{array}{lll} & 8087.36 & 70520.22 \\ 65 & 8223.77 & 67630.84\end{array}$ \begin{tabular}{l}
8647.84753633 .16 <br>
\hline

 $\begin{array}{lll}80.01 & 8467.18 & 87957.1\end{array}$ 

90.01 <br>
84.01 <br>
\hline 66
\end{tabular} $\begin{array}{ll} \\ 94933.17 & 78998.12 \\ 729613 & 711048\end{array}$ $7296.13 \quad 71104.8$ 8559.965038 .63

7858.39
7031003 7858.3970310 .03
8437.6472096 .59 8437.6472096 .59
7990.67
62452.18 6477.86 58716.08

 $\begin{array}{lll}61 & 7293.08 & 57676.54\end{array}$ $\begin{array}{lrl} & 7231.1 & 54823.09 \\ 6819.81 & 59337.72\end{array}$ $\begin{array}{lll}55 & 6819.81 & 59337.72 \\ & 6354.13 & 55039.04\end{array}$ | 7930.63 | 62038.8 |
| :--- | :--- | 6701.39 59223.08 $\begin{array}{rr}6498.15 & 64488.8 \\ 6828.95 & 57735.36\end{array}$ $\begin{array}{lll}74.01 & 6570.17 & 63638.32 \\ 70.01 & 652148 & 5838327\end{array}$ $\begin{array}{rrr}70.01 & 6521.48 & 58343.27 \\ 57 & 7344.9 & 55273.1\end{array}$ $6062.18 \quad 62912.79$ 6121.9851722 .73

$\qquad$ 5645.8754055 .66
6103.73
63827.31 $\begin{array}{ll}6103.73 & 63827.31 \\ 6436.28 & 54100.57\end{array}$ 6436.2854100 .57
6105.7660356 .96 $\begin{array}{ll}6105.76 & 60356.96 \\ 6467.72 & 54802.85\end{array}$ $\begin{array}{ll}6461.72 & 54802.85 \\ 6217.26 & 47352.96\end{array}$ 6384.55 48327.11 6740.6453226 .69 $\begin{array}{ll}6260.85 & 57598.49 \\ 5800.56 & 52520\end{array}$ $\begin{array}{lr}5860.56 & 52520 \\ 6625.98 & 52075.91\end{array}$ 6695.98 52075.91
63939.44 $\begin{array}{lll}\text { 69615.37 } & 53990.55 \\ \text { 57817.95 }\end{array}$ 5929.45 54583.63 5920.3352821 .14 6789.3651804 .29 6433.2351076 .26
7218.91
57474.09 $\begin{array}{ll}7218.91 & 57474.09 \\ 7541.08 & 55118.93\end{array}$ 7541.0855118 .93
6662.5

53784.04 $\begin{array}{r}69020.04556268 \\ \hline\end{array}$ 7007.6452809 .95 | 56 | 7116.31 | 58669.61 |
| :--- | :--- | :--- |
|  | 6272 | 5948757 | 73.01

76.01 $\begin{array}{llll}53 & 6916.25 & 63595.95\end{array}$ $\begin{array}{llll}87.01 & 6964.99 & 62525.44\end{array}$ 87.01
71.01 6763.9954120 .79 6439.3252452 .86
789651
639723 $\begin{array}{lr}7806.51 \quad 63972.83 \\ 6515.39 & 58763.7\end{array}$ $\begin{array}{lll}6515.39 & 58763.7 \\ 7272.76 & 57210.71\end{array}$ 7272.7657120 .71
6960.9358902 .04 497081.7753135 .92

$0.0114240 .1215270 .508574 \quad 0.69394$ $\begin{array}{llll}0.027893 & 0.185835 & 0.6585404 & 0.693945\end{array}$ $\begin{array}{lllll}0.027893 & 0.185835 & 0.658404 & 0.683574 \\ 0.021895 & 0.194964 & 0.677784 & 0.886114\end{array}$ $0.0216740 .1328470 .587888 \quad 0.58359$ $\begin{array}{llllll}0.039987 & 0.257685 & 0.796008 & 0.758623\end{array}$ $\begin{array}{lllll}0.035286 & 0.270781 & 1.125504 & 1.155762\end{array}$ $\begin{array}{llll}0.026787 & 0.268051 & 0.905824 & 1.020002\end{array}$ $\begin{array}{lllll}0.025755 & 0.156648 & 0.851278 & 0.620114\end{array}$ $\begin{array}{lllll}0.028155 & 0.191524 & 0.658884 & 0.842755\end{array}$ $\begin{array}{lllllll}0.041778 & 0.1988 & 0.678607 & 0.888064\end{array}$ 0.0355670 .1670240 .8371760 .73376 $\begin{array}{llll}0.034393 & 0.176427 & 0.615266 & 0.747923\end{array}$ $\begin{array}{llll}0.032894 & 0.174616 & 0.445599 & 0.730662\end{array}$ 0351901628410.780346074749 $\begin{array}{lllll}0.033995 & 0.142271 & 0.576856 & 0.676732\end{array}$ 0.0413810 .1310430 .8120171 .07136 $\begin{array}{lllll}0.050092 & 0.214292 & 0.630933 & 0.730345\end{array}$ $\begin{array}{lllll}0.027906 & 0.254655 & 0.697455 & 0.722077\end{array}$ $\begin{array}{lllll}0.043768 & 0.175507 & 0.59764 & 0.725003 \\ 0.040641 & 0.113826 & 0.517412 & 0.420467\end{array}$ $\begin{array}{llllll}0.021688 & 0.146557 & 0.547278 & 0.58112\end{array}$ $\begin{array}{llll}0.024688 & 0.126119 & 0.54616 & 0.46188\end{array}$ $\begin{array}{llllll}0.025311 & 0.16734 & 0.568234 & 0.552293\end{array}$ $\begin{array}{llllllllllll}0.030124 & 0.177411 & 0.548274 & 0.490222\end{array}$ $0.043338 \quad 0.1449520 .5212320 .525757$ $\begin{array}{lllll}0.039814 & 0.170218 & 0.564877 & 0.524052 \\ & 026758 & 0.148793 & 0.65299 & 0.51899\end{array}$ $\begin{array}{lllll}0.028395 & 0.137092 & 0.475789 & 0.402075\end{array}$ 0.0318490 .1668020 .6386910 .6022 $\begin{array}{llllll}0.024782 & 0.194126 & 0.414587 & 0.586022\end{array}$ $\begin{array}{llll}0.027597 & 0.123601 & 0.58599 & 0.37982\end{array}$ $\begin{array}{lllll}0.037609 & 0.147163 & 0.443824 & 0.597235\end{array}$ $\begin{array}{lllll}0.022225 & 0.232223 & 0.430917 & 1.01124\end{array}$ $\begin{array}{llllll}0.03527 & 0.115893 & 0.570181 & 0.363517\end{array}$ $0.03388 \quad 0.1748050 .4373250 .45972$ $\begin{array}{llllll}0.040814 & 0.205393 & 0.684564 & 0.59240\end{array}$ $\begin{array}{lllll}0.02596 & 0.161584 & 0.370638 & 0.490539\end{array}$ $\begin{array}{lllll}0.03827 & 0.14201 & 0.420066 & 0.605086\end{array}$ 0295410.1873960 .581873 $0.0254660 .154319 \quad 0.4488540 .37126$ 0.0142550 .1415370 .4472160 .429912 0.0309990 .1680410 .7687390 .741612 0.0373760 .1644290 .5871520 .635843 0.01388 $\begin{array}{lllll}0.039587 & 0.193486 & 0.536738 & 0.615583\end{array}$ $\begin{array}{lllllllll}0.028993 & 0.122935 & 0.439078 & 0.480723\end{array}$ 0.0311270 .1771510 .4889180 .630188 $\begin{array}{llllllll}0.029407 & 0.220909 & 0.518564 & 0.531299\end{array}$ $\begin{array}{llllll}0.046807 & 0.144716 & 0.797551 & 0.75863\end{array}$ $037964 \quad 0.209589 \quad 0.723755$ $\begin{array}{llll}0.022633 & 0.175089 & 0.671987 & 0.72991\end{array}$ $\begin{array}{llllll}0.024239 & 0.204681 & 0.789698 & 0.5870\end{array}$ 0.0435780 .1511610 .555890 .520945 $\begin{array}{lllll}0.03452 & 0.213302 & 0.623226 & 0.592165\end{array}$ $\begin{array}{lllll}0.031252 & 0.246006 & 0.660352 & 0.747703\end{array}$ | 0.045089 | 0115018 | 0.711125 | 0.62952 |
| :--- | :--- | :--- | :--- | :--- | 0.0303890 .1578630 .6707790 .57298 0.0345110 .1970030 .6032690 .82041 $\begin{array}{lllll}0.023183 & 0.140574 & 0.614353 & 0.536003\end{array}$


| 000 | 767.6039 | 0.016142 | 0.049297 | 0.063253 | 0.053383 | 4.80437 | 4.143454 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 1000 | 840.0179 | 0.0186636 | 0.05107 | 0.053522 | 0.04144 | 5.145902 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | 4.91824440 .0 .0063944 $\begin{array}{lllllllll}1000 & 708.171 & 0.020982 & 0.028259 & 0.050502 & 0.040314 & 4.144253 & 3.456469 & 0.006676\end{array}$ $\begin{array}{llllllllll}1000 & 1103.916 & 0.033002 & 0.069465 & 0.028033 & 0.049551 & 7.742661 & 5.693582 & 0.008083\end{array}$ $\begin{array}{llllllll}1000 & 1207.449 & 0.060749 & 0.058495 & 0.089569 & 0.095565 & 6.802513 & 6.528661 \\ 0 & 0.017828\end{array}$ $\begin{array}{llllllll}1000 & 907.1637 & 0.043717 & 0.077104 & 0.114819 & 0.060638 & 6.403041 & 5.269522 \\ 0.008141\end{array}$ | 1000 | 835.4415 | 0.039876 | 0.059633 | 0.060135 | 0.06558 | 5.329417 | 5.004995 | 0.009491 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 8928527 | 0.047218 | 0.058228 | 0.035326 | 0.043743 | 5815788 | 5.150211 | 0.00778 | $\begin{array}{lllllllll}1000 & 1055.479 & 0.0388 & 0.041782 & 0.018419 & 0.047263 & 4.363404 & 4.633625 & 0.00739\end{array}$ $\begin{array}{llllllllllll}1000 & 1171.452 & 0.044368 & 0.068836 & 0.060735 & 0.079869 & 6.994513 & 7.82179 & 0.009085\end{array}$ $\begin{array}{lllllllll}1000 & 1051.514 & 0.03521 & 0.052782 & 0.044539 & 0.063727 & 6.85667 & 6.096983 & 0.009336\end{array}$ | 1000 | 1209.008 | 0.045743 | 0.066657 | 0.0477182 | 0.044115 | 5.082403 | 5.340467 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | | 1000 | 791.5562 | 0.039025 | 0.041407 | 0.032979 | 0.045585 | 5.056494 | 4.135438 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.007356 |  |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1128.452 & 0.03768 & 0.04941 & 0.041728 & 0.042742 & 5.307996 & 5.116372 & 0.010387 \\ 1000 & 1055.831 & 0.048356 & 055095 & 0.019846 & 0.050778 & 6354305 & 5.845112 & 0.01011\end{array}$ $\begin{array}{llllllllll}1000 & 1225.307 & 0.038265 & 0.059716 & 0.035355 & 0.037861 & 5.653933 & 4.759771 & 0.007786\end{array}$ $\begin{array}{lllllllll}1000 & 1180.403 & 0.037971 & 0.060415 & 0.098932 & 0.066512 & 5.565732 & 5.447285 & 0.008223\end{array}$ $\begin{array}{lllllllll}1000 & 1113.165 & 0.040229 & 0.06343 & 0.03354 & 0.055598 & 5.945364 & 5.779301 & 0.011378\end{array}$ $\begin{array}{llllllll}1000 & 1029.423 & 0.037211 & 0.064127 & 0.049633 & 0.08347 & 6.472881 & 5.51939\end{array} 0.006325$ $\begin{array}{llllllll}1000 & 1201.351 & 0.029038 & 0.042127 & 0.061017 & 0.047508 & 5.546193 & 4.534212\end{array} 0.00845$ $\begin{array}{lllllllll}1000 & 11777.372 & 0.023463 & 0.05273 & 0.041997 & 0.036032 & 4.763751 & 4.456616 & 0.003526\end{array}$ $\begin{array}{llllllllllll}1000 & 876.9495 & 0.024407 & 0.048751 & 0.036313 & 0.0399 & 5.763144 & 4.856468 & 0.003762\end{array}$ $\begin{array}{llllllll}1000 & 1134.519 & 0.024637 & 0.046958 & 0.03345 & 0.050764 & 4.538112 & 4.27052\end{array} 0.009643$ $\begin{array}{lllllllll}1000 & 981.4402 & 0.031129 & 0.042461 & 0.04169 & 0.050344 & 4.837495 & 5.183585 & 0.006037\end{array}$ $\begin{array}{lllllllll}1000 & 1053.419 & 0.032155 & 0.048378 & 0.066376 & 0.036543 & 5.693925 & 5.194497 & 0.003107 \\ 1000 & 1014.1 & 0.021626 & 0.030351 & 0.057879 & 0.058563 & 5157531 & 53930 & 0.03658\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1014.1 & 0.021626 & 0.030351 & 0.057879 & 0.058563 & 5.157531 & 5.39309 & 0.008658 \\ 1000 & 867.025 & 0.029643 & 0.028743 & 0.027012 & 0.048733 & 4.604598 & 4.447655 & 0.005382\end{array}$ $\begin{array}{lllllllll}1000 & 874.566 & 0.024572 & 0.029772 & 0.066248 & 0.034581 & 5.003212 & 4.059259 & 0.003529\end{array}$ $\begin{array}{llllllllll}1000 & 967.1626 & 0.032427 & 0.055649 & 0.022211 & 0.039202 & 5.089608 & 5.708371 & 0.011315\end{array}$ $\begin{array}{llllllll}1000 & 870.0238 & 0.023276 & 0.046222 & 0.037879 & 0.036336 & 4.626112 & 4.223418 \\ 0\end{array} .004292$ $\begin{array}{lllllllll}1000 & 1073.943 & 0.027145 & 0.039609 & 0.026214 & 0.06047 & 4.566713 & 4.730141 & 0.005389 \\ 1000 & 1054.696 & 0.01854 & 0.025643 & 0.04152 & 0.028369 & 4.521585 & 5.109505 & 0.003847\end{array}$ $\begin{array}{lllllllll}1000 & 1054.696 & 0.01854 & 0.025643 & 0.04152 & 0.028369 & 4.521585 & 5.109505 & 0.003847 \\ 1000 & 1304.175 & 0.023931 & 0.032977 & 0.027584 & 0.046934 & 5.488197 & & 085555\end{array}$ $\begin{array}{lllllllll}1000 & 1304.175 & 0.023931 & 0.032977 & 0.027584 & 0.046934 & 5.488197 & 4.981555 & 0.00318 \\ 1000 & 1129.044 & 0.021972 & 0.027476 & 0.042285 & 0.027584 & 5.150351 & 5.501729 & 0.001093\end{array}$ $\begin{array}{lllllllll}1000 & 905.5191 & 0.01857 & 0.038681 & 0.009903 & 0.028793 & 4.385902 & 4.012839 & 0.003189\end{array}$ $\begin{array}{llllllllll}1000 & 954.5177 & 0.027539 & 0.035558 & 0.028429 & 0.03674 & 4.617105 & 3.799135 & 0.001685\end{array}$ $\begin{array}{llllllll}1000 & 1402.022 & 0.026159 & 0.038436 & 0.035239 & 0.02752 & 5.879159 & 4.806062\end{array} 0.002538$ $\begin{array}{llllllll}1000 & 1120.644 & 0.025045 & 0.031409 & 0.028109 & 0.018872 & 4.954571 & 4.222285 \\ 0 & 0.003097\end{array}$ $\begin{array}{lllllllll}1000 & 1117.66 & 0.026651 & 0.02407 & 0.040889 & 0.051773 & 5.108617 & 5.07701 & 0.003839\end{array}$ $\begin{array}{lllllllll}1000 & 1114.497 & 0.024884 & 0.047964 & 0.04212 & 0.031002 & 4.921422 & 4.768699 & 0.004773 \\ 100024 & 1201.24 & 0.020734 & 0.031955 & 0.023613 & 0.033336 & 4.838425 & 4.104849 & 0.004499\end{array}$ $\begin{array}{llllllllllll}1000 & 754.4203 & 0.019752 & 0.043746 & 0.031621 & 0.017099 & 4.382654 & 3.680267 & 0.003891\end{array}$ $\begin{array}{llllllllll}1000 & 708.9019 & 0.020215 & 0.030082 & 0.033639 & 0.028514 & 5.328241 & 4.192656 & 0.004139\end{array}$ $\begin{array}{llllllll}1000 & 1141.011 & 0.025051 & 0.03792 & 0.057423 & 0.048958 & 5.013601 & 4.989412\end{array} 0.002745$ $\begin{array}{lllllllll}1000 & 10955.589 & 0.023048 & 0.036247 & 0.038369 & 0.023525 & 5.135977 & 4.953884 & 0.003662\end{array}$ $\begin{array}{lllllllll}1000 & 1060.148 & 0.017278 & 0.044659 & 0.038528 & 0.019759 & 5.225429 & 4.302622 & 0.002494\end{array}$ $\begin{array}{llllllllll}1000 & 1094.376 & 0.020114 & 0.049027 & 0.027314 & 0.037033 & 6.103915 & 5.24041 & 0.005615\end{array}$ $\begin{array}{llllllllllllll}1000 & 747.8133 & 0.020079 & 0.02969 & 0.030677 & 0.043073 & 5.246444 & 4.133078 & 0.005294\end{array}$

 $\begin{array}{lllllllll}1000 & 894.991 & 0.02499 & 0.033513 & 0.068721 & 0.046443 & 5.547158 & 4.879124 & 0.00534\end{array}$ | 1000 | 13388.499 | 0.030836 | 0.057267 | 0.080353 | 0.05693 | 6.160702 | 5.008203 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.00413 $\begin{array}{lllllllll}1000 & 1000.393 & 0.027374 & 0.04718 & 0.061386 & 0.033177 & 4.780373 & 4.250588 & 0.007075 \\ 1000 & 841.8944 & 0.027073 & 0.062666 & 0.053468 & 0.057714 & 4.941747 & 5.063111 & 0.005625\end{array}$ $\begin{array}{llllllllllll}1000 & 1064.887 & 0.025205 & 0.060087 & 0.050703 & 0.063391 & 4.661495 & 4.618987 & 0.005445\end{array}$ $\begin{array}{lllllllll}1000 & 1035.534 & 0.039118 & 0.070625 & 0.0249 & 0.034836 & 5.328383 & 5.286048 & 0.008867\end{array}$ $\begin{array}{llllllll}1000 & 1131.406 & 0.023629 & 0.055331 & 0.04944 & 0.074088 & 5.566458 & 5.390912\end{array} 0.006087$ $\begin{array}{llllllll}1000 & 996.7232 & 0.0267355 & 0.048213 & 0.044926 & 0.074433 & 5.429074 & 4.687935 \\ 0 & 0.008459\end{array}$ $\begin{array}{llllllll}1000 & 1254.897 & 0.042992 & 0.054961 & 0.075686 & 0.062286 & 5.694776 & 5.009234 \\ 0.008895\end{array}$ $\begin{array}{lllllllll}1000 & 1157.442 & 0.028952 & 0.051481 & 0.031879 & 0.039718 & 5.646037 & 4.984947 & 0.009366 \\ 1000 & 1015.141 & 0.025265 & 0.061036 & 0.067635 & 0.030355 & 4.817037 & 4.690819 & 0.006716\end{array}$ $\begin{array}{lllllllll}1000 & 896.6241 & 0.02364 & 0.067524 & 0.057983 & 0.046164 & 5.30119 & 4.496457 & 0.009447\end{array}$ $\begin{array}{llllllllllll}1000 & 1119.664 & 0.030215 & 0.052211 & 0.070737 & 0.054748 & 5.759201 & 5.257366 & 0.010326\end{array}$




$\begin{array}{ll}634.0219 & 28.57731 \\ 634.3557 & 28.594\end{array}$ $634.6895 \quad 28.61069$ $\begin{array}{ll}635.0239 & 28.62741 \\ 635.3577 & 28.6441\end{array}$ 635.69228 .66081 $636.3597 \quad 28.6942$ 636.69428 .71091 $637.0278 \quad 28.7276$ $637.3616 \quad 28.74429$ $\begin{array}{rr}637.696 & 28.76101 \\ 638.0298 & 28.7777\end{array}$ 638.363628 .79439 $639.0318 \quad 28.8278$ 639.365628 .84449 | 640.0338 |
| :--- | :--- |
| 28.8779 | 640.367628 .89459 $\begin{array}{r}640.70328 .91136 \\ 640.0368 \\ \hline 8.928805\end{array}$ 641.370628 .94474 641.05528 .96146

642.0388
28.97815 642.372628 .99484
642.707

29.01156 $643.0408 \quad 29.02825$ | 643.374629 .04494 |
| :--- |
| 643.7089 | $644.0427 \quad 29.07835$ 644.710929 .11176 645.044729 .12845 645712929.16186 646.046729 .17855 646.380629 .19524 646.714929 .21196 647.3825 29.24534 $647.7169 \quad 29.26206$ 648.050729 .27875

$648.385 \quad 29.29546$ $648.7198 \quad 29.3122$ $\begin{array}{ll}649.0537 & 29.3289 \\ 649388 \\ 29.34561\end{array}$ 649.721929 .36231 $\begin{array}{rr}650.0557 & 29.379 \\ 650.39 & 29.39771\end{array}$ $650.7238 \quad 29.4124$ $\begin{array}{lr}651.792 & 29.49581 \\ 651.7258 & 29.4625\end{array}$ $652.394 \quad 29.49591$ $652.7278 \quad 29.5126$ 653.0616 29.52929 653.39629 .54601 $653.7298 \quad 29.5627$ 654397929.59611 654.3979
654.7318
29.59611
29.6128

60.01
37

70.01
68.0163
56
56
5

$\begin{array}{ll}6106.77 & 55990.45 \\ 6720.08 \\ 59924.91\end{array}$ $\begin{array}{ll}6702.08 & 59924.91 \\ 6336.89 & 57881.32\end{array}$ 6371.37 51595.37 | 87.01 |
| :--- |
| 72.01 |
|  | | 7848.22 |
| :--- |
| 519970.83 |
| 80459 | 6804.5959613 .62 627257376.86

6817.78
5617102 6817.78 56171.02
$6751.811^{59526.18}$ $\begin{array}{ll}6751.81 & 59526.18 \\ 6962.96 & 55368.8\end{array}$ 7078.73 57346.34 6042.93 52523.36 6644.2449669 .12
617 6517.4255162 .82
7382515140

50141.47 $\begin{array}{rr}7382.51 & 50141.04 \\ 6807.63 & 47247.8\end{array}$ $\begin{array}{ll}6807.63 & 47247.8 \\ 7133.58 & 58675.28\end{array}$ $\begin{array}{ll}7133.58 & 58675.28 \\ 6049.01 & 56124.78\end{array}$ $\begin{array}{r}6049.0156124 .78 \\ 6286.2 \\ 50831.97 \\ \hline\end{array}$ $\begin{array}{ll}6275.04 & 53253.6 \\ 701598 & 53991.27\end{array}$ \begin{tabular}{l}
7008.6553491 .27 <br>
6159.48 <br>
\hline 59979.46 <br>
\hline

 $\begin{array}{lr}6159.48 & 59979.46 \\ 7028.96 & 52739.4\end{array}$ $\begin{array}{ll}\text { 5993.28 } & 55382.3\end{array}$ 

6037.86 \& 47567.79 <br>
\hline
\end{tabular} 6067.2546158 .78

5485.93
51518 $5485.93 \quad 51618.83$
6158475378629 $\begin{array}{llll}1 & 6158.47 & 53786.29 \\ 50 & 6506.26 & 46241.61\end{array}$ $\begin{array}{ll}6506.26 & 46241.61 \\ 5146.99 & 53347.75\end{array}$ $5383.72 \quad 50935.69$ 5381.72450935 .69
50064.21 6228.4147293 .18 6116.9153493 .51 6048
6507000.58

55741.56 $\begin{array}{lll}6507.28 & 55741.56 \\ 5535.52 & 49325.48\end{array}$ $\begin{array}{ll}55385.52 & 49335.48 \\ 6183.81 & 47502.44\end{array}$ $5914.25 \quad 52342.1$ $6695.99 \quad 48516.85$ \begin{tabular}{l}
5625.6247050 .81 <br>
55466 <br>
\hline 51188.96

 

$5546.66 \quad 51188.96$ <br>
63794 <br>
\hline

 $\begin{array}{ll}6379.49 & 49657.99 \\ 6454.53 & 53759.36\end{array}$ 

1 \& 6454.53 \& 53759.36 <br>
\hline \& 6532.64 \& 495797.92
\end{tabular} 6450.48 51241.42 6171.6454059 .03 5380.6852905 .13

642655
50410.131 $\begin{array}{ll}6462.65 & 50410.61 \\ 6206.11 & 57115.8\end{array}$ $\begin{array}{lll}84.01 & 6549.88 & 56014.3\end{array}$ $6117.92 \quad 54663.43$ 6907.1255429 .58 6017.656562 .46
6603.65
5390301 6603.6553903 .01
6031.7850736 .07 6031.7850736 .07
$6161.51 \quad 50615.66$ 6161.5150615 .66
6527.57
65692.57 6527.57
5558.27
62278.8 .56 $5758.27 \quad 62278.56$
6505.25
52551.34
642411

5194735 $\begin{array}{ll}6424.11 & 51947.35 \\ 6553.94 \\ 5761432\end{array}$ $\begin{array}{lll} & 6553.94 & 57614.32 \\ 1 & 6438 \\ 5731\end{array}$ $\begin{array}{lll}69.01 & 6438.31 & 57036.71 \\ 77.01 & 7221.96 & 54606.11\end{array}$ | 77.01 | 7221.96 |
| :--- | :--- |
| 58 | 7031 | $\begin{array}{rrr}58 & 7031 & 69387.91 \\ 1 & 6742.67 & 68605.18\end{array}$

$\begin{array}{llll}0.028362 & 0.235649 & 0.49075 & 0.5340\end{array}$ $\begin{array}{llll}0.03596 & 0.176118 & 0.680147 & 0.711598\end{array}$ $\begin{array}{lllllll}0.035619 & 0.187126 & 0.605682 & 0.615617\end{array}$ $\begin{array}{llllllll}0.041487 & 0.175985 & 0.691184 & 1.037532\end{array}$ $\begin{array}{llllll}0.023994 & 0.26716 & 0.86038 & 0.80589\end{array}$ $\begin{array}{lllll}0.034927 & 0.240074 & 0.943541 & 0.816967\end{array}$ $\begin{array}{llllll}0.038842 & 0.281247 & 0.657634 & 0.748694\end{array}$ 0411770.1607030 .593775 $\begin{array}{llllll}0.036982 & 0.201163 & 0.739602 & 0.687312\end{array}$ $\begin{array}{llllll}0.032323 & 0.185002 & 0.542132 & 0.58980\end{array}$ $\begin{array}{llll}0.038511 & 0.17369 & 0.62604 & 0.67037\end{array}$ 0.0380270 .1510950 .5092560 .76237 $\begin{array}{lllll}0.019308 & 0.16435 & 0.54038 & 0.648371\end{array}$ $\begin{array}{lllll}0.034992 & 0.158057 & 0.480228 & 0.555687\end{array}$ $\begin{array}{lllll}0.028325 & 0.201067 & 0.505683 & 0.57125\end{array}$ 0.0255770 .1355710 .6718330 .51983 0.0374440 .1549580 .6112350 .510294 $\begin{array}{llll}0.045776 & 0.144386 & 0.605812 & 0.696603\end{array}$ $\begin{array}{lllll}0.032275 & 0.164652 & 0.533979 & 0.522014\end{array}$ $\begin{array}{lllll}0.035078 & 0.135276 & 0.692185 & 0.674043\end{array}$ 0.0319020 .1518050 .5816620 .414144 $\begin{array}{lllll}0.048042 & 0.136443 & 0.58139 & 0.60061\end{array}$ $\begin{array}{lllll}0.032026 & 0.14157 & 0.429925 & 0.529223\end{array}$ $\begin{array}{lllll}0.0421709 & 0.186065 & 0.635008 & 0.633423\end{array}$ $\begin{array}{lllll}0.021702 & 0.140173 & 0.42654 & 0.468496 \\ 0.056009 & 0.159851 & 0.511424 & 0.582834\end{array}$ $\begin{array}{lllll}0.023416 & 0.170634 & 0.650784 & 0.59765\end{array}$ 0.0243950 .1272190 .4256130 .46743 $0.025464 \quad 0.1447220 .5383560 .44983$ $\begin{array}{lllll}0.018241 & 0.133532 & 0.54783 & 0.511348\end{array}$ $\begin{array}{llll}0.041151 & 0.118214 & 0.585096 & 0.442273\end{array}$ $\begin{array}{lllll}0.035327 & 0.141104 & 0.478568 & 0.50999\end{array}$ 0.0306190 .1305090 .3727930 .47038 $\begin{array}{llllllll}0.043049 & 0.168831 & 0.468345 & 0.564229\end{array}$ $\begin{array}{lllll}0.025182 & 0.2102 & 0.441139 & 0.42626\end{array}$ $\begin{array}{lllll}0.030785 & 0.128861 & 0.535417 & 0.485145\end{array}$ | 0.047082 | 0.153175 | 0.662008 | 0.6367 |
| :--- | :--- | :--- | :--- |
| 0.01844 | 0.136326 | 0.3967 | 0.47896 | $0.017657 \quad 0.22088$ $0.038335 \quad 0.158995 \quad 0.71685 \quad 0.55423$ $\begin{array}{llll}0.028232 & 0.149872 & 0.55342 & 0.44862\end{array}$ $\begin{array}{llll}0.031416 & 0.155925 & 0.493546 & 0.41692\end{array}$ $\begin{array}{llll}0.031587 & 0.107096 & 0.338694 & 0.490139\end{array}$ 0171820.1367160 .365769 $\begin{array}{llllll}0.04064 & 0.136817 & 0.574052 & 0.551136\end{array}$ 0.0299110 .1166620 .5026130 .436466 $\begin{array}{llllll}0.028232 & 0.120841 & 0.611349 & 0.46182\end{array}$ 0.0376710 .1086260 .5498760 .555312 $\begin{array}{llll}0.03999 & 0.165496 & 0.565769 & 0.527658\end{array}$ 03022701383290.5753910 .610495 $\begin{array}{llllll}0.032095 & 0.127437 & 0.694206 & 0.677406\end{array}$ $\begin{array}{llllll}0.03204 & 0.092389 & 0.478997 & 0.44309\end{array}$ $\begin{array}{llllllll}0.032354 & 0.10688 & 0.608967 & 0.55682\end{array}$ $\begin{array}{lllll}0.041064 & 0.126576 & 0.432588 & 0.497289\end{array}$ | 0.033322 | 0.128004 | 0.559363 | 0.64227 |
| :--- | :--- | :--- | :--- | :--- |
| 0.038009 | 0.20239 | 0.671351 | 0.73588 | $\begin{array}{lllll}0.033009 & 0.20239 & 0.671351 & 0.73588 \\ 0.03527 & 0.136887 & 0.542804 & 0.51928\end{array}$ $\begin{array}{lllll}0.012215 & 0.1503 & 0.579206 & 0.6911\end{array}$ $\begin{array}{lllll}0.052318 & 0.195409 & 0.801618 & 0.63071\end{array}$ 0.0179220 .1328950 .8280330 .67904


$\begin{array}{llllllll}10060.731 & 0.015918 & 0.043447 & 0.055185 & 0.044322 & 4.566166 & 4.516779 & 0.004612\end{array}$ |  | 0060.731 | 0.015918 | 0.043447 | 0.055185 | 0.044322 | 4.566166 | 4.516779 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0.004612 |  |  |  |  |  |  |  |
| 000 | 1297.02 | 0.023168 | 0.039138 | 0.036915 | 0.04132 | 5.603084 | 5.407164 |
| 0.006778 |  |  |  |  |  |  |  |
| 1000 | 812.305 | 0.015935 | 0.04844 | 0.01478 | 0.035619 | 4.563521 | 4.502145 | $\begin{array}{lllllllll}1000 & 1249.808 & 0.02515 & 0.050758 & 0.075823 & 0.035619 & 4.563521 & 4.502145 & 0.008999\end{array}$ $\begin{array}{lllllllll} & 1299.96 & 0.026939 & 0.064013 & 0.061752 & 0.062839 & 7.160878 & 5.108666 & 0.005167\end{array}$ $\begin{array}{llllllll}1000 & 1180.967 & 0.030524 & 0.031616 & 0.053442 & 0.061991 & 5.876814 & 5.555823 \\ 0 & 0.007\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1214.487 & 0.02691 & 0.056569 & 0.0072 & 0.061824 & 5.194451 & 5.133185 \\ 0.003896 \\ 1000 & 825.4493 & 0.017122 & 0.038429 & 0.019558 & 0.024177 & 5.04783 & 4.487727 \\ 0 & 0.002039\end{array}$ $\begin{array}{lllllllll}1000 & 825.4493 & 0.017122 & 0.038429 & 0.019558 & 0.024177 & 5.04783 & 4.487727 & 0.002039 \\ 1000 & 1036.478 & 0.021202 & 0.051407 & 0.040357 & 0.028582 & 4.868031 & 4.631757 & 0.007248\end{array}$ $\begin{array}{lllllllll}1000 & 1013.452 & 0.020609 & 0.045715 & 0.041887 & 0.038028 & 5.212544 & 4.471592 & 0.010071\end{array}$ $\begin{array}{lllllllll}1000 & 967.5774 & 0.026784 & 0.042348 & 0.014966 & 0.04524 & 5.168801 & 4.516439 & 0.00556\end{array}$ $\begin{array}{lllllllll}1000 & 855.4682 & 0.032702 & 0.04681 & 0.034406 & 0.034158 & 4.702195 & 4.417145 & 0.008971\end{array}$ $\begin{array}{lllllllll}1000 & 985.9286 & 0.030455 & 0.053475 & 0.028681 & 0.051744 & 4.982247 & 4.0020291 & 0.008634 \\ 1000 & 1325.18 & 0.028263 & 0.046263 & 0.068844 & 0.041377 & 4.553342 & 4.161013 & 0.009067\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1325.18 & 0.028263 & 0.046263 & 0.068044 & 0.041377 & 4.553342 & 4.161013 & 0.009067 \\ 1000 & 1075.509 & 0.038278 & 0.059658 & 0.064766 & 0.048155 & 6.011682 & 4.401793 & 0.013719\end{array}$ | 1000 | 1075.509 | 0.038278 | 1028.994 | 0.032242 | 053432 | 0.014153 | 0.053399 | 4.698858 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 922.7119 & 0.034156 & 0.044183 & 0.036208 & 0.035744 & 5.162839 & 4.579866 & 0.005863\end{array}$ $\begin{array}{llllllllllllll}1000 & 811.3102 & 0.032949 & 0.055891 & 0.067441 & 0.031364 & 3.944899 & 3.955821 & 0.010061\end{array}$ $\begin{array}{llllllll}1000 & 1062.59 & 0.039125 & 0.039331 & 0.082718 & 0.04062 & 4.758495 & 4.156439\end{array} 0.009091$ $\begin{array}{lllllllll}1000 & 1045.285 & 0.035336 & 0.047407 & 0.050911 & 0.038161 & 4.707788 & 4.315816 & 0.009376\end{array}$ $\begin{array}{llllllll}1000 & 959.5373 & 0.036639 & 0.047489 & 0.027866 & 0.050274 & 5.10957 & 4.206684 \\ 1000 & 864.1535 & 0.005552 \\ & 0.03102 & 0.053556 & 0.031369 & 0.047032 & 4.370982 & 4.598966 & 0.010599\end{array}$ $\begin{array}{lllllllll}1000 & 10199.131 & 0.041299 & 0.045958 & 0.025604 & 0.051309 & 5.569464 & 4.507643 & 0.011815\end{array}$ $\begin{array}{lllllllllll}1000 & 1162.564 & 0.036658 & 0.038439 & 0.027781 & 0.05132 & 3.765158 & 3.760762 & 0.005713\end{array}$ $\begin{array}{lllllllll}1000 & 1040.001 & 0.04166 & 0.059598 & 0.048166 & 0.076194 & 5.187959 & 4.417405 & 0.012837\end{array}$ $\begin{array}{lllllllll}1000 & 829.7365 & 0.033783 & 0.036478 & 0.010257 & 0.037674 & 4.257663 & 3.500622 & 0.006722\end{array}$ $\begin{array}{llllllll}1000 & 1203.9 & 0.055009 & 0.053926 & 0.026407 & 0.073148 & 5.467791 & 5.56824\end{array} 0.011021$ $\begin{array}{lllllllll}1000 & 766.8851 & 0.040396 & 0.036352 & 0.013076 & 0.049336 & 3.922235 & 3.701312 & 0.005169 \\ 1000 & 1353.814 & 0.035453 & 0.058429 & 0.031792 & 0.034119 & 5.406643 & 4.14893 & 0.007953\end{array}$ $\begin{array}{llllllllll}1000 & 903.1115 & 0.041418 & 0.069324 & 0.030977 & 0.037771 & 4.153282 & 4.663803 & 0.00499\end{array}$ $\begin{array}{llllllllllllll}1000 & 1116.479 & 0.032013 & 0.051585 & 0.050495 & 0.030566 & 3.997177 & 4.094183 & 0.001326\end{array}$ $\begin{array}{llllllll}1000 & 998.1734 & 0.035264 & 0.039564 & 0.0619 & 0.046024 & 4.509453 & 4.200544 \\ 0 & 0.002897\end{array}$ $\begin{array}{lllllll}1000 & 1320.852 & 0.0334576 & 0.052841 & 0.045385 & 0.05253 & 5.044908 \\ 4.138385 & 0.006573\end{array}$ $\begin{array}{lllllllll}1000 & 993.0336 & 0.038305 & 0.038019 & 0.056108 & 0.052556 & 4.305123 & 4.068347 & 0.004684\end{array}$ $\begin{array}{lllllllll}1000 & 1192.5 & 0.037261 & 0.057126 & 0.036961 & 0.046049 & 5.055733 & 4.553432 & 0.010045 \\ 1000 & 1306.188 & 0.031419 & 0.053822 & 0.049754 & 0.042419 & 4.773313 & 4.414752 & 0.008091\end{array}$ $\begin{array}{lllllllllll}1000 & 878.8513 & 0.028945 & 0.036586 & 0.027355 & 0.041879 & 3.420335 & 3.298147 & 0.005324\end{array}$ $\begin{array}{llllllllll}1000 & 1003.577 & 0.024556 & 0.039772 & 0.023834 & 0.041582 & 4.553586 & 3.779304 & 0.003824\end{array}$ $\begin{array}{llllllllll}1000 & 1012.458 & 0.027604 & 0.051331 & 0.058979 & 0.041781 & 4.724129 & 4.520021 & 0.004929\end{array}$ $\begin{array}{llllllll}1000 & 1044.081 & 0.026518 & 0.049647 & 0.055097 & 0.037893 & 5.4411687 & 4.255187 \\ 0\end{array} 0.001052$ $\begin{array}{lllllllll}1600 & 1689.778 & 0.028013 & 0.06241 & 0.056244 & 0.049659 & 5.638775 & 5.102279 & 0.00619\end{array}$ $\begin{array}{lllllllll}1000 & 894.0438 & 0.018975 & 0.053942 & 0.054561 & 0.047575 & 3.528794 & 3.524085 & 0.001757 \\ 1000 & 1201.884 & 0.013742 & 0.052542 & 0.110544 & 0.076022 & 5.305789 & 4.460376 & 0.003912\end{array}$ $\begin{array}{llllllll}1000 & 12711.215 & 0.018545 & 0.059836 & 0.064259 & 0.069363 & 6.114284 & 5.499046\end{array} 0.00261$ $\begin{array}{lllllllll}1000 & 1034.644 & 0.01818 & 0.066733 & 0.027867 & 0.060672 & 5.628608 & 4.613817 & 0.001954\end{array}$ $\begin{array}{llllllll}1000 & 830.3085 & 0.013276 & 0.03682 & 0.056474 & 0.034063 & 4.572703 & 3.922453 \\ 0 & 0.004024\end{array}$ $\begin{array}{lllllllll}1000 & 1094.187 & 0.01528 & 0.020626 & 0.020632 & 0.050597 & 4.814328 & 4.556318 & 0.003671\end{array}$ $\begin{array}{llllllll}1000 & 845.1278 & 0.016941 & 0.075152 & 0.038065 & 0.048198 & 4.078299 & 4.341281\end{array} 0.005794$

 $\begin{array}{llllllllll}1000 & 930.8441 & 0.015731 & 0.049586 & 0.030706 & 0.06158 & 4.553441 & 4.204126 & 0.006991\end{array}$ $\begin{array}{llllllll}1000 & 1208.838 & 0.019058 & 0.048262 & 0.078819 & 0.058264 & 5.2667 & 5.085038 \\ 0\end{array} 0.003632$ $\begin{array}{llllllll}1000 & 782.0482 & 0.011786 & 0.046356 & 0.0252223 & 0.050113 & 4.557197 & 3.945715 \\ 0 & 0.003742\end{array}$ $\begin{array}{llllllll}1000 & 979.3293 & 0.019676 & 0.052735 & 0.050077 & 0.082955 & 4.862054 & 4.939541 \\ 0 & 0.005378\end{array}$ $\begin{array}{lllllllll}1000 & 1099.817 & 0.013761 & 0.055954 & 0.083293 & 0.040902 & 5.036793 & 4.438214 & 0.003215 \\ 1000 & 1081.437 & 0.018052 & 0.069753 & 0.042847 & 0.037516 & 5.154797 & 4.6863 & 0.007771\end{array}$ $\begin{array}{llllllllll}1000 & 1156.971 & 0.019927 & 0.038362 & 0.026495 & 0.043936 & 5.043538 & 4.47665 & 0.004649\end{array}$ $\begin{array}{llllllllllll}1000 & 753.2005 & 0.014498 & 0.034271 & 0.04135 & 0.031643 & 3.660407 & 3.977261 & 0.003183\end{array}$ $\begin{array}{llllllllll}1000 & 949.0762 & 0.011318 & 0.041644 & 0.045206 & 0.028958 & 4.197313 & 4.909673 & 0.002012\end{array}$ $\begin{array}{llllllll}1000 & 1157.582 & 0.014594 & 0.051574 & 0.039362 & 0.044577 & 4.572493 & 3.988238 \\ 0 & 0.006043\end{array}$ | 1000 | 820.7624 | 0.016327 | 0.048529 | 0.039806 | 0.049063 | 4.565658 | 3.986875 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1203.658 | 0.006111 |  |  |  |  |  | $\begin{array}{llllllll}1000 & 1203.658 & 0.023139 & 0.050382 & 0.070362 & 0.049847 & 5.789846 & 5.494929 \\ 0.004154 \\ 1000 & 836.6305 & 0.014771 & 0.037989 & 0.05402 & 0.045862 & 4.365701 & 4.176411 \\ 0.004179\end{array}$ $\begin{array}{llllllllll}1000 & 874.0951 & 0.016743 & 0.039378 & 0.014423 & 0.055398 & 5.083345 & 4.144668 & 0.004332\end{array}$ $\begin{array}{llllllllll}1000 & 1510.225 & 0.028161 & 0.057134 & 0.049073 & 0.045777 & 6.16716 & 6.565131 & 0.004547\end{array}$ $\begin{array}{llllllll}1000 & 1133.056 & 0.028781 & 0.029765 & 0.005909 & 0.028871 & 4.58727 & 5.03723 \\ 0.005184\end{array}$

656.067629 .67959
656.401929 .69631 656.7368
657.0706
29.729974 657.0706
657.4049
29.774646 657.7388 29.76315 657.7388
658.0726
29.76317984
$\begin{array}{lllllll} & & & & & & \\ 40 & 7801 & 272.23 & 301.29 & 7696.15 & 180849.5 & 337.12 \\ 42 & 79.01 & 271.23 & 313.31 & 9592.96 & 130081.8 & 371.15 \\ 51 & 98.01 & 255.21 & 313.31 & 9403.96 & 154983.1 & 372.1 \\ 55 & 72.01 & 255.21 & 414.54 & 9385.93 & 139742.1 & 373.1 \\ 32 & 93.01 & 279.25 & 387.47 & 9426.25 & 137226.2 & 390.16 \\ 50 & 78.01 & 348.38 & 365.42 & 8274.64 & 1679163 & 3016\end{array}$ $\begin{array}{lllllll}78.01 & 348.38 & 365.42 & 8274.64 & 167916.3 & 390.16 \\ 84.01 & 318.32 & 310.3 & 9107.12 & 126195.2 & & 387.16\end{array}$

Standard NIST SRM 612 used for shell 20267
GLITER! 4.5b1: Laser Ablation Analysis Results
2: 2016 hherath_dilmil 2016 -09-05 1 run2.
(1ed. Mon Sep 05 18:01:05

## All values are reported in ppon

GLITER!: Trace Element Concentrations MD Average CPS/ppm X/Ca43

| 17 |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| B11 | 358.18 | 341.03 | 349.605 | 458.1471 | 201.1037 |
| Mg25 | 438.35 | 424.71 | 431.53 | 184.1228 | 80.82072 |
| Mg26 | 409.1 | 454.49 | 431.795 | 194.4511 | 85.35432 |
| Ca43 | 81473.76 | 81473.75 | 81473.76 | 2.278163 |  |
| Ca44 | 80493.39 | 82700.13 | 81596.76 | 36.91525 | 16.20395 |
| Mn55 | 441.97 | 446.45 | 444.21 | 1657.501 | 727.5603 |
| $2 n 66$ | 415.17 | 543.14 | 479.155 | 229.6595 | 100.8091 |
| 267 | 422.65 | 517.3 | 469.975 | 39.03506 | 17.13444 |
| Zn68 | 396.56 | 564.7 | 480.63 | 162.7614 | 71.44413 |
| Sr86 | 488.83 | 547.46 | 518.145 | 177.5565 | 77.93844 |
| Sr88 | 511.24 | 520.77 | 516.005 | 1627.81 | 714.5273 |
| Ba137 | 441.85 | 465.17 | 453.51 | 231.1063 | 101.4441 |

23.4123
12.1268
9.644936
32.09558
1560.40
3.16783
90.48845
66.9276
118.8929
41.45767
6.738727 16.4897

$\begin{array}{lllll} & \text { Element } & \text { std610_5 } & \text { std610_6 } & \\ \text { Li7 } & 8774360 & 731462 & 802911\end{array}$ $\begin{array}{llll}\mathrm{Mg} 25 & 84977 & 73932\end{array}$ $\begin{array}{llll}\text { Mg26 } & 84064 & 83862 \\ & 83932\end{array}$ $\begin{array}{lrr}\text { Mg26 } & 84064 & 83862 \\ \text { a43 } & 195589 & 175632\end{array}$
 $\begin{array}{lrrrr}\text { Ca44 } & 3133458 & 2890871 & 3012165 \\ \text { Mn55 } & 772156 & 700401 & 7362785\end{array}$ $\begin{array}{lrrr}\text { Zn66 } & 101201 & 700401 & 7368848.5 \\ \text { Zn67 } & 17480 & 110042.5\end{array}$ $\begin{array}{rrrr}\text { 2n67 } & 17480 & 19211 & 18345.5 \\ \text { Zn68 } & 68660 & 87996 & 78228 \\ & & 87350 & \end{array}$ $\begin{array}{lllll}\text { Sr86 } & 91740 & 92260 & 92828 \\ & & 92000\end{array}$ $\begin{array}{llll}\text { Sr88 } & 877374 & 802542 & 839958 \\ \text { Ba137 } & 107753 & 101865 & 104809\end{array}$

Acquired :5/01/2017 1:02:08 PM using Batch RUN3.b
 70.4927

### 70.8265 71.1608

71.1608
71.4947
71.4947
71.829
71.829
72.1628
72.4966
$72.4966 \quad 74$
72.49266
72.831
73.1648

| 73.16 |
| :--- |
| 73.48 |

7

| 74.16 |
| :--- |
| 74.5 |


| 74.50 |
| :--- |
| 74.83 |


| 74.81 |
| :--- |
| 75.1 |


| 75.168 |
| :--- |
| 75.5026 |
| 75.83 |


| 75.836 |
| :--- |
| 76.17 |

76.81798
76.5046
76.5046
76.8399
76.8399
77.1738

| 77.1738 |
| :--- |
| 77.50 |


| 77.507 |
| :--- |
| 77.841 |
| 78.1757 |


| 77.841 |
| :--- |
| 78.175 |

78.50
79.1
79.51
79.84
79.8459
80.1797
80.1797
80.5135
80.5135
80.8479
81.1817
80.8479
81.1817
815155
81.5155
81.8499
821837
$82 . .1837$
82.5175
82.5175
82.8518
83.1857
83.1857
83.52
8.538
83.52
83.8538
84.1876
83.8538
84.1876
84.522
84.1876
84.522
84.8568
84.8568
85.1907
85.1907
85.525
85.525
85.5888
85.8588
86.1926
86.527
86.527
86.8608
$\begin{array}{r}86.8608 \\ 87.1946 \\ \hline 87.529\end{array}$
86.1946
87.529
87.8628
87.8628
88.1966
88.1966
88.5309
88.5309
88.8648
$\begin{array}{rrrrrrrrrr}88.1986 & 111.01 & 166.03 & 63.01 & 124.05 & 6438.07 & 6233 & 123838.8 & 196.04 & 94.01 \\ & 177.03 & 90.03 & 91.03 & 6726.88 & 130548.3 & 191.04 & 119.02\end{array}$

$206.13 \quad 6937 .{ }^{2} 179$ $\begin{array}{llll} & 6937.81 & 112650.8\end{array}$ | 179.1 | 6197.63 | 1119965.6 |
| :--- | :--- | :--- |
| 1519 | 6519.34 | 98035.8 |

 $\stackrel{\circ}{\circ}$ $\stackrel{\infty}{\infty}{ }_{\infty}^{\infty}$
$5 r 86$

01

336 $\begin{array}{llll}85.01 & 3361.39 & 33209.72\end{array}$ $\begin{array}{lll}87.01 & 3465.17 & 33931.2 \\ 90.01 & 40.77 & 3547.24\end{array}$ \begin{tabular}{llll}
\hline .01 \& 4026.77 \& 35547.29

 $\begin{array}{lll}76.01 & 3489.35 & 31910.24 \\ 70.01 & 4359.82 & 2901627\end{array}$ $\begin{array}{rrr}70.01 & 4359.82 & 29016.27 \\ 67 & 3356.35 & 30960.71\end{array}$ $\begin{array}{llll}67 & 3356.35 & 30960.71 \\ .01 & 4106.48 & 35093.96\end{array}$ $\begin{array}{lll}69.01 & 4106.48 & 35093.96 \\ 80.01 & 3662.71 & 36699.88\end{array}$ 

80.01 <br>
69.01 <br>
\hline 7.01

 

3662.01 \& 34489.1 <br>
3999.53 \& 29366.7 <br>
\hline
\end{tabular}

 $\begin{array}{llll}73.01 & 4410.31 & 31338.37 \\ 74.01 & 3885.55 & 31480.73\end{array}$ 66
74.01 38773.6132687 .78
31738 $\begin{array}{lll}3773.71 & 32607.78 \\ 30633.37\end{array}$ $4039.88 \quad 26954.74$ $\begin{array}{ll}4039.88 & 26954.74 \\ 361.46 & 31070.87\end{array}$ 76.01 $\begin{array}{ll}9 & \\ 5 & 0 \\ 9 & 0 \\ 4 & 0\end{array}$

Convertion mmol/mol (Georem)
${ }^{L i 7} \quad{ }^{\text {B11 }} \quad \mathrm{Mg} 25 \quad \mathrm{Mg} 26 \quad \mathrm{Ca43}$ $\begin{array}{lllll}0.014212 & 0.477124 & 0.400065 & 0.453168 \\ 0.036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{llll}036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{lllll}0.024304 & 0.6252999 & 0.4721542 & 0.5330387\end{array}$ $\begin{array}{llll}0.024304 & 0.625299 & 0.471542 & 0.530357 \\ 0.071327 & 0.86506 & 0.626596 & 0.689338\end{array}$ $\begin{array}{lllll}0.032441 & 0.65367 & 0.509878 & 0.588591\end{array}$ $\begin{array}{lllll}0.045964 & 0.836121 & 0.683849 & 0.496286\end{array}$ $\begin{array}{llllllll}0.023956 & 0.722269 & 0.746994 & 0.418764\end{array}$ $\begin{array}{lllllllll}0.0314 & 0.809139 & 0.492741 & 0.597374\end{array}$ $\begin{array}{llll}0.035631 & 0.68044 & 0.394908 & 0.419953\end{array}$ $\begin{array}{llll}0.042699 & 0.645016 & 0.382305 & 0.423525\end{array}$ $\begin{array}{llll}0.038644 & 0.732868 & 0.303948 & 0.363932 \\ 0.050167 & 0.6052 & 0.262075 & 0.339768\end{array}$ $04678 \quad 0.696277 \quad 0.474610 .332669$ $\begin{array}{lllll}0.041127 & 0.786182 & 0.496357 & 0.502365\end{array}$ 0.030360 .6868030 .7443420 .386995 0.0272210 .6776730 .5259210 .286233 0.0418050 .5988560 .4249670 .304504 $\begin{array}{llll}0.044409 & 0.529427 & 0.230359 & 0.29566\end{array}$ $\begin{array}{rrrr}0.047104 & 0.661144 & 0.347343 & 0.364 \\ 0 & 045462 & 0.616712 & 0.362359\end{array}$ $\begin{array}{llllll}0.049756 & 0.446333 & 0.435203 & 0.327911\end{array}$ $\begin{array}{llll}0.062749 & 0.375359 & 0.252237 & 0.239868\end{array}$ $\begin{array}{llllll}0.088728 & 0.535161 & 0.238787 & 0.279027\end{array}$ $\begin{array}{lllllll}0.127013 & 0.588532 & 0.429127 & 0.327099\end{array}$ $\begin{array}{lllllllll}0.085732 & 0.597896 & 0.355955 & 0.359016\end{array}$ $0.077984 \quad 0.515370 .2200480 .274219$ $\begin{array}{llll}0.066519 & 0.581484 & 0.195853 & 0.231953\end{array}$ $\begin{array}{lllll}0.046257 & 0.481883 & 0.259778 & 0.259115\end{array}$ $\begin{array}{lllllll}0.101143 & 0.473082 & 0.261028 & 0.367494\end{array}$ $\begin{array}{llll}0.132016 & 0.513791 & 0.245818 & 0.3089\end{array}$ $\begin{array}{llllll}0.097711 & 0.457082 & 0.258896 & 0.194549\end{array}$ $\begin{array}{llllll}0.094896 & 0.464772 & 0.247803 & 0.220315\end{array}$ $0.1374370 .442277 \quad 0.2136520 .210203$ $\begin{array}{lllll}0.143102 & 0.52655 & 0.267642 & 0.226465\end{array}$ $\begin{array}{lllll}0.130366 & 0.450118 & 0.194497 & 0.198305 \\ 0.05261 & 0.432313 & 0.262108 & 0.219594\end{array}$ 0.0878880 .4460670 .3442540 .221977 $\begin{array}{llllll}0.082093 & 0.458292 & 0.270474 & 0.168049\end{array}$ $\begin{array}{llllll}0.087772 & 0.434892 & 0.253075 & 0.214525\end{array}$ $\begin{array}{lllllll}0.066281 & 0.287609 & 0.174145 & 0.185087\end{array}$ $\begin{array}{lllll}0.052363 & 0.333942 & 0.187762 & 0.208832\end{array}$ $\begin{array}{lllll}0.062725 & 0.378172 & 0.185271 & 0.177175\end{array}$ $\begin{array}{llll}0.088444 & 0.419751 & 0.262195 & 0.260536 \\ & 0.05335 & 0.358938 & 0.2029\end{array}$ $\begin{array}{lllll}0.027028 & 0.342342 & 0.250189 & 0.271304\end{array}$ $\begin{array}{llllll}0.034908 & 0.419729 & 0.245391 & 0.171974\end{array}$ $\begin{array}{llllllll}0.02841 & 0.355781 & 0.267222 & 0.337443\end{array}$ $\begin{array}{llllllllllll}0.054306 & 0.507699 & 0.277764 & 0.363138\end{array}$ $\begin{array}{lllllllllllll}0.051474 & 0.468197 & 0.318724 & 0.271393\end{array}$ $\begin{array}{llll}0.064388 & 0.456206 & 0.24802 & 0.181336\end{array}$ $\begin{array}{llll}0.036547 & 0.420079 & 0.222493 & 0.195849\end{array}$ $\begin{array}{lllll}0.061872 & 0.39398 & 0.2279807 & 0.174905\end{array}$ $0773440379804 \quad 0.2384060185501$ $\begin{array}{llllll}0.098567 & 0.423807 & 0.254163 & 0.150082\end{array}$ $0.0799650 .463494 \quad 0.210790 .273347$ $\begin{array}{llllllll}0.125941 & 0.462248 & 0.281605 & 0.167139\end{array}$

$\begin{array}{llllllll}\text { Ca44 Mn55 Zn66 } & \text { Zn67 } & \text { Zn68 } & \text { Sr86 } & \text { Sr88 } & \text { Ba137 }\end{array}$ $\begin{array}{llllllllll}1000 & 951.8809 & 0.000472 & 0.066472 & 0.035339 & 0.057069 & 2.730254 & 3.252972 & 0.003694 \\ 0.000 & 1125.394 & 0.001214 & 0.062262 & 0.050761 & 0.066287 & 3.153538 & 3.720711 & 0.002157\end{array}$ | 1000 | 8272.4309 | 0.011745 | 0.06626297 | 0.050781 | 0.066287 | 3.153538 | 0.066437 | 3.49748 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 894.2208 & 0.008809 & 0.045705 & 0.045435 & 0.053409 & 3.195475 & 3.520361 & 0.001673\end{array}$ $\begin{array}{llllllllll}1000 & 1196.172 & 0.009453 & 0.056956 & 0.021967 & 0.058739 & 5.108527 & 4.072927 & 0.004028\end{array}$

 $\begin{array}{lllllllllll}1000 & 1015.424 & 0.00658 & 0.057904 & 0.000394 & 0.048907 & 4.108248 & 3.211709 & 0.002902\end{array}$ $\begin{array}{llllllllll}1000 & 953.4733 & 0.000197 & 0.044156 & 0.047832 & 0.06131 & 3.925668 & 4.005544 & 0.003333\end{array}$ $\begin{array}{lllllllll}1000 & 1107.276 & 0.010057 & 0.059699 & 0.051875 & 0.076142 & 4.196812 & 3.698962 & 0.004751 \\ 1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039452 & 3.185524 & 3.263367 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039052 & 3.185524 & 3.2633667 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 838.1201 & 0.003764 & 0.035212 & 0.032305 & 0.047074 & 3.84113 & 3.268843 & 0.001111 \\ 1000 & 947.8219 & 0.007628 & 0.03652 & 0.033167 & 0.042495 & 2.973707 & 2.894111 & 0.003053\end{array}$ $\begin{array}{llllllllllll}1000 & 939.1253 & 0.004274 & 0.039855 & 0.021759 & 0.039266 & 3.290681 & 3.426599 & 0.002062\end{array}$ $\begin{array}{llllllllll}1000 & 990.8375 & 0.003539 & 0.050894 & 0.038741 & 0.049636 & 3.273834 & 3.225031 & 0.004534\end{array}$ $\begin{array}{lllllllllll}1000 & 1039.072 & 0.007752 & 0.068145 & 0.063606 & 0.03552 & 4.165834 & 3.335605 & 0.004109\end{array}$ $\begin{array}{llllllllll}1000 & 973.6845 & 0.006464 & 0.039137 & 0.062032 & 0.039928 & 3.038355 & 3.128238 & 0.002435\end{array}$ $\begin{array}{lllllllll}1000 & 988.1532 & 0.004017 & 0.03546 & 0.036964 & 0.049601 & 3.10776 & 3.036294 & 0.005251\end{array}$ $\begin{array}{llllllllll}1000 & 791.2393 & 0.005467 & 0.027768 & 0.044877 & 0.040568 & 3.253481 & 3.256181 & 0.004531\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1288.02 & 0.010661 & 0.034051 & 0.065232 & 0.020502 & 3.942886 & 3.211692 & 0.009562 \\ 1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539\end{array}$ $\begin{array}{lllllllll}1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539 \\ 1000 & 874.6547 & 0.006293 & 0.038395 & 0.065143 & 0.032661 & 3.779576 & 3.800531 & 0.006849\end{array}$ $\begin{array}{llllllllllll}1000 & 813.2915 & 0.002637 & 0.048345 & 0.063684 & 0.044975 & 2.376965 & 2.619135 & 0.002756\end{array}$ $\begin{array}{lllllllllll}1000 & 863.7948 & 0.00845 & 0.078664 & 0.078354 & 0.071598 & 3.281222 & 3.162489 & 0.003841\end{array}$ $\begin{array}{llllllllllll}1000 & 1092.823 & -0.00016 & 0.090327 & 0.103329 & 0.105717 & 3.728971 & 3.581617 & 0.002709\end{array}$ $\begin{array}{lllllllll}1000 & 1094.188 & 0.003495 & 0.073767 & 0.086995 & 0.084989 & 3.801596 & 4.045545 & 0.009261\end{array}$ $\begin{array}{llllllllll}1000 & 969.9872 & 0.005439 & 0.080255 & 0.054503 & 0.061475 & 2.846943 & 3.156836 & 0.016691\end{array}$ $\begin{array}{lllllllll}1000 & 1004.166 & 0.002931 & 0.080088 & 0.101573 & 0.085763 & 3.453176 & 3.540166 & 0.040678\end{array}$ $\begin{array}{lllllllll}1000 & 898.636 & 0.002932 & 0.088486 & 0.070601 & 0.094927 & 3.047474 & 3.39936 & 0.04539 \\ 1000 & 937.6714 & 0.00867 & 0.084467 & 0.094624 & 0.085575 & 3.413075 & 3.554065 & 0.046439\end{array}$ $\begin{array}{llllllllll}1000 & 1009.745 & 0.009716 & 0.087166 & 0.09835 & 0.076867 & 3.829196 & 3.570973 & 0.063827\end{array}$ $\begin{array}{llllllllll}1000 & 1451.672 & 0.002636 & 0.089023 & 0.059244 & 0.076001 & 4.012703 & 3.429175 & 0.055041\end{array}$ $\begin{array}{llllllllllll}1000 & 947.4987 & 0.007241 & 0.083048 & 0.066248 & 0.079119 & 3.364185 & 3.560657 & 0.050137\end{array}$ $\begin{array}{lllllllll}1000 & 915.0917 & 0.012553 & 0.069763 & 0.031058 & 0.073791 & 3.437191 & 3.490126 & 0.058979\end{array}$ $\begin{array}{llllllllll}1000 & 1145.088 & 0.004697 & 0.070796 & 0.071398 & 0.082256 & 3.132771 & 3.345793 & 0.040727\end{array}$ $\begin{array}{lllllllll}1000 & 972.705 & 0.012894 & 0.074341 & 0.11221 & 0.076753 & 3.451217 & 3.240828 & 0.037346 \\ 1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352 \\ 1000 & 1042.33 & 0.004907 & 0.073958 & 0.103134 & 0.062686 & 3.803777 & 3.897937 & 0.022875\end{array}$ $\begin{array}{lllllllll}1000 & 1062.367 & 0.011058 & 0.066356 & 0.04477 & 0.099023 & 4.045204 & 3.70536 & 0.016849\end{array}$ $\begin{array}{lllllllllll}1000 & 923.2817 & 0.004866 & 0.074117 & 0.07465 & 0.059718 & 3.08433 & 3.020962 & 0.014164\end{array}$ $\begin{array}{llllllllllllll}1000 & 860.2757 & 0.007473 & 0.060675 & 0.074516 & 0.052496 & 3.488818 & 3.520501 & 0.012804\end{array}$ $\begin{array}{llllllllll}1000 & 749.476 & 0.005608 & 0.060766 & 0.051304 & 0.034845 & 2.634693 & 2.910926 & 0.007272\end{array}$ $\begin{array}{lllllllll}1000 & 891.3057 & 0.00787 & 0.072405 & 0.059901 & 0.0415 & 2.786632 & 3.268306 & 0.008651\end{array}$ | 1000 | 941.8271 | 0.007392 | 0.093496 | 0.046279 | 0.06055 | 4.03341 | 3.974286 | 0.006266 |
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| 1000 | 958.3042 | 0.004492 | 0.074719 | 0.038281 | 0.06304 | 3.513881 |  |  | $\begin{array}{llllllllll}1000 & 958.3042 & 0.004492 & 0.074719 & 0.038281 & 0.065304 & 3.519881 & 3.564174 & 0.006874\end{array}$ $\begin{array}{lllllllll}1000 & 1071.578 & 0.005013 & 0.077214 & 0.041172 & 0.091066 & 3.785611 & 3.545129 & 0.004221\end{array}$ $\begin{array}{llllllllll}1000 & 814.1257 & 0.000581 & 0.064182 & 0.074776 & 0.056095 & 3.03215 & 3.393862 & 0.005082\end{array}$ $\begin{array}{lllllllll}1000 & 982.3351 & 0.004408 & 0.075003 & 0.097783 & 0.06291 & 3.667249 & 3.784144 & 0.005147\end{array}$ $\begin{array}{lllllllll}1000 & 1219.838 & 0.0088 & 0.076281 & 0.069258 & 0.083944 & 3.667925 & 3.80834 & 0.008296\end{array}$ $\begin{array}{llllllllll}1000 & 1052.024 & 0.00993 & 0.098466 & 0.072977 & 0.123589 & 3.96565 & 3.669712 & 0.005606\end{array}$ $\begin{array}{lllllllll}1000 & 887.4477 & 0.003827 & 0.094128 & 0.093797 & 0.082602 & 3.36748 & 3.572334 & 0.003376 \\ 1000 & 885.8544 & 0.004056 & 0.077334 & 0.09468 & 0.000252 & 3.358893 & 3.064162 & 0.005986\end{array}$ $\begin{array}{lllllllll}1000 & 885.8544 & 0.004056 & 0.073734 & 0.094686 & 0.090252 & 3.358983 & 3.064162 & 0.005986 \\ 1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241\end{array}$ $\begin{array}{lllllllll}1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241 \\ 1000 & 1005.464 & 0.004205 & 0.074607 & 0.094794 & 0.081233 & 3.114214 & 3.440002 & 0.003489\end{array}$ $\begin{array}{lllllllllll}1000 & 1342.256 & 0.007262 & 0.07879 & 0.080743 & 0.072064 & 3.146068 & 3.008 & 0.002117\end{array}$ $\begin{array}{llllllllll}1000 & 1089.571 & 0.008758 & 0.087828 & 0.054255 & 0.093846 & 3.603448 & 3.582285 & 0.002077\end{array}$ $\begin{array}{lllllllllll}1000 & 1164.891 & 0.009728 & 0.086072 & 0.061609 & 0.113651 & 4.158845 & 3.825655 & 0.002145\end{array}$ $\begin{array}{llllllllll}1000 & 1137.878 & 0.008224 & 0.101288 & 0.067403 & 0.086499 & 3.312141 & 3.70104 & 0.001988\end{array}$

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$\begin{array}{llll}0.118851 & 0.37433 & 0.259692 & 0.214372 \\ 0.170714 & 0.358238 & 0.216677 & 0.219052\end{array}$ $\begin{array}{llll}0.170714 & 0.358238 & 0.216677 & 0.219052 \\ 0.136293 & 0.451017 & 0.294004 & 0.217436\end{array}$ $\begin{array}{lllllll}0.144901 & 0.497665 & 0.222551 & 0.152535\end{array}$ $\begin{array}{lllll}0.179913 & 0.46306 & 0.223666 & 0.250856\end{array}$ $\begin{array}{llllll}0.178273 & 0.400702 & 0.275914 & 0.178043\end{array}$ $\begin{array}{llll}0.160625 & 0.408582 & 0.282087 & 0.188593 \\ 0\end{array}$ $\begin{array}{llll}0.173689 & 0.353839 & 0.173898 & 0.278287\end{array}$ $\begin{array}{llll}0.190814 & 0.390799 & 0.182025 & 0.241513 \\ 0 & 201015 & 0.365881 & 0.25338 \\ 0\end{array}$ $\begin{array}{lllll}0.231876 & 0.464771 & 0.2253877 & 0.182255 \\ 0.204869\end{array}$ $\begin{array}{lllll}0.207273 & 0.490209 & 0.305904 & 0.261771\end{array}$ $\begin{array}{llllll}0.173558 & 0.469886 & 0.215718 & 0.250293\end{array}$ $\begin{array}{lllll}0.164121 & 0.49889 & 0.20852 & 0.205221\end{array}$ $\begin{array}{lllll}0.234856 & 0.365297 & 0.182624 & 0.168479\end{array}$ $\begin{array}{llll}0.167435 & 0.401373 & 0.110809 & 0.187595\end{array}$ $\begin{array}{llll}0.27688 & 0.582093 & 0.193286 & 0.19965 \\ 0.217958 & 0.471522 & 0.174407 & 0.22693\end{array}$ $\begin{array}{llll}0.217988 & 0.471522 & 0.174407 & 0.22693 \\ 0.222884 & 0.459433 & 0.179438 & 0.208157\end{array}$ $\begin{array}{lllll}0.150165 & 0.57902 & 0.174384 & 0.254814\end{array}$ $\begin{array}{lllll}0.203815 & 0.714681 & 0.242645 & 0.218275\end{array}$ $\begin{array}{lllll}0.180368 & 0.446052 & 0.360615 & 0.294283\end{array}$ $\begin{array}{lllll}0.071237 & 0.538947 & 0.277759 & 0.328447\end{array}$ $\begin{array}{llll}0.130598 & 0.69645 & 0.34135 & 0.360065\end{array}$ $\begin{array}{lllll}0.098843 & 0.65377 & 0.676307 & 0.410491\end{array}$ $\begin{array}{llll}0.104922 & 0.943184 & 0.865769 & 0.776322 \\ 0.040938 & 0.691043 & 0.77151 & 0.629973\end{array}$ $\begin{array}{lllll}0.025689 & 0.781073 & 1.208556 & 0.843902\end{array}$ $\begin{array}{llll}0.049064 & 0.684149 & 1.211672 & 0.975762\end{array}$ $\begin{array}{lllll}0.052452 & 0.722255 & 0.966243 & 0.917476\end{array}$ $\begin{array}{llll}0.035855 & 0.712508 & 1.251157 & 1.334088\end{array}$ $\begin{array}{llll}0.004774 & 0.794482 & 1.42477 & 1.33097\end{array}$ $\begin{array}{rrrr}0.01533 & 0.716821 & 1.380249 & 1.019492 \\ 0.008619 & 0.848255 & 1.477547 & 1130183\end{array}$ $\begin{array}{llll}0.008619 & 0.843255 & 1.477547 & 1.130183 \\ 0.057207 & 0.920017 & 1.315637 & 1.513824\end{array}$ $\begin{array}{lllll}0.018025 & 0.740061 & 1.046815 & 1.082261\end{array}$ $\begin{array}{lllll}-0.00059 & 0.744924 & 1.290903 & 1.178212\end{array}$ $0.0074990 .799498 \quad 0.817070 .853003$ $\begin{array}{lllll}0.037226 & 0.697422 & 0.759803 & 0.652097\end{array}$ $\begin{array}{llll}0.036922 & 0.645372 & 0.536409 & 0.59236\end{array}$ $\begin{array}{llll}0.04308 & 0.665748 & 0.5797 & 0.756277\end{array}$ $\begin{array}{llll}0.037874 & 0.715212 & 0.54262 & 0.482653 \\ 0.064756 & 0.455277 & 0.399401 & 0.373305\end{array}$ $\begin{array}{llll}0.10729 & 0.347264 & 0.311457 & 0.361366\end{array}$ $\begin{array}{llll}0.10676 & 0.617127 & 0.512927 & 0.372814\end{array}$ $\begin{array}{llllll}0.12763 & 0.572752 & 0.426613 & 0.378862\end{array}$ $\begin{array}{lllll}0.080305 & 0.518073 & 0.413452 & 0.392405\end{array}$ $\begin{array}{lllll}0.110695 & 0.553277 & 0.404886 & 0.827832\end{array}$ $\begin{array}{lllll}0.066012 & 0.548737 & 0.368205 & 0.38103\end{array}$ $\begin{array}{llll}0.111926 & 0.418364 & 0.369723 & 0.343052 \\ 0\end{array}$ $\begin{array}{llll}0.087696 & 0.413118 & 0.310493 & 0.40318 \\ 0.157165 & 0.474184 & 0.321666 & 0.314178\end{array}$ $\begin{array}{lllll}0.15984 & 0.592124 & 0.298767 & 0.325941\end{array}$ $\begin{array}{llllll}0.118792 & 0.336448 & 0.419941 & 0.479956\end{array}$ $\begin{array}{lllll}0.05874 & 0.456113 & 0.330277 & 0.297012\end{array}$ $\begin{array}{llll}0.072845 & 0.373145 & 0.319667 & 0.274059\end{array}$ $\begin{array}{llllll}0.044833 & 0.366563 & 0.195473 & 0.231454\end{array}$ $\begin{array}{llll}0.066279 & 0.345255 & 0.352563 & 0.268416\end{array}$ $\begin{array}{llll}0.109344 & 0.548296 & 0.326416 & 0.258488 \\ 0.068731 & 0.481528 & 0.456158 & 0.31852\end{array}$ $\begin{array}{llll}0.046675 & 0.442061 & 0.493742 & 0.352075\end{array}$ $\begin{array}{llllll}0.029568 & 0.299152 & 0.259549 & 0.178506\end{array}$ $\begin{array}{lllll}0.058166 & 0.542147 & 0.33527 & 0.29786\end{array}$ $\begin{array}{llll}0.06965 & 0.496335 & 0.389144 & 0.335432\end{array}$

$1000 \quad 905.7420 .0025460 .0988350 .058740 .089986$ 3.429429 3.4926620 .005746 | 1000 | 890.6126 | 0.002877 | 0.086703 | 0.069178 | 0.082464 | 3.526752 | 3.3959981 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.0044067 |  |  |  |  |  |  |
| 1000 | 1073.441 | 0.001675 | 0.082106 | 0.054641 | 0.058455 | 3.507604 | 3.403786 |
| 0 | 0.003647 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1073.441 & 0.001675 & 0.082106 & 0.054641 & 0.058455 & 3.507604 & 3.403786 & 0.003647 \\ 1000 & 929.3177 & 0.004843 & 0.061961 & 0.072055 & 0.079167 & 3.102895 & 3.164053 & 0.00311\end{array}$ $\begin{array}{lllllllll}1000 & 1225.217 & 0.004303 & 0.07071 & 0.090447 & 0.069996 & 3.217689 & 3.264866 & 0.003256\end{array}$ $\begin{array}{llllllllll}1000 & 970.7881 & 0.007138 & 0.09723 & 0.067582 & 0.085619 & 3.421184 & 3.432714 & 0.006105\end{array}$ $\begin{array}{lllllllll}1000 & 947.7764 & 0.00102 & 0.092931 & 0.093504 & 0.102446 & 3.519516 & 3.577147 & 0.002111 \\ 1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.06585 & 3338964 & 3.358839 & 0.00520\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.0658 & 3.338964 & 3.350839 \\ 1000 & 904.7969 & 0.00025206 \\ 100 & 0.06308 & 0.067713 & 0.035117 & 0.052449 & 3.164404 & 3.369318 & 0.002793\end{array}$ | 1000 | 904.7969 | 0.003208 | 0.067713 | 0.035117 | 0.052449 | 3.164404 | 3.369318 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.002793 $\begin{array}{llllllllll}1000 & 1280.452 & 0.001371 & 0.079236 & 0.061353 & 0.059695 & 3.458863 & 3.501312 & 0.001646\end{array}$ $\begin{array}{llllllllll}1000 & 1031.921 & 0.001119 & 0.089958 & 0.096619 & 0.063459 & 3.967561 & 3.67656 & 0.003911\end{array}$ $\begin{array}{lllllllllll}1000 & 899.5557 & -0.00403 & 0.066704 & 0.049284 & 0.054816 & 3.018213 & 3.1865 & 0.002319\end{array}$ $\begin{array}{llllllllllllll}1000 & 946.1591 & 0.00817 & 0.087604 & 0.104637 & 0.051187 & 3.701981 & 3.581155 & 0.002743\end{array}$ $1000993.24640 .0011930 .0850390 .0437290 .0715763 .201924 \begin{array}{llllll}3.072473 & 0.004841\end{array}$ $\begin{array}{lllllllll}1000 & 829.7013 & 0.003745 & 0.065475 & 0.089444 & 0.061567 & 3.417848 & 3.364582 & 0.004294\end{array}$ $\begin{array}{lllllllll}1000 & 1399.821 & 0.003509 & 0.064642 & 0.067814 & 0.049206 & 3.851482 & 3.486635 & 0.007043 \\ 1000 & 1062.504 & 0.03156 & 0.075391 & 0.05437 & 0.062787 & 3.341506 & 3580388 & 0.003513\end{array}$ $\begin{array}{lllllllll}1000 & 1062.504 & 0.003156 & 0.073391 & 0.05437 & 0.062787 & 3.341506 & 3.580388 & 0.003513 \\ 1000 & 1288.647 & 0.001885 & 0.064578 & 0.044822 & 0.063408 & 3.439779 & 3.511351 & 0.004105\end{array}$ $\begin{array}{llllllllll}1000 & 958.7214 & 0.002609 & 0.057147 & 0.06394 & 0.059327 & 3.709795 & 3.428895 & 0.006255\end{array}$ $\begin{array}{lllllllllll}1000 & 1326.65 & 0.001774 & 0.051449 & 0.040624 & 0.039714 & 3.54729 & 4.085923 & 0.004247\end{array}$ $\begin{array}{llllllllll}1000 & 922.5494 & 0.008058 & 0.062168 & 0.050684 & 0.054205 & 4.225361 & 3.607393 & 0.003142\end{array}$ $\begin{array}{lllllllll}1000 & 926.0248 & 0.004348 & 0.052341 & 0.014006 & 0.042347 & 2.858641 & 2.99682 & 0.002972\end{array}$ $\begin{array}{lllllllll}1000 & 10944.093 & 0.004463 & 0.054263 & 0.093812 & 0.054794 & 3.424035 & 3.397338 & 0.001542\end{array}$ $\begin{array}{lllllllll}1000 & 1142.049 & 0.001762 & 0.057779 & 0.017504 & 0.039449 & 3.790318 & 3.588461 & 0.001696 \\ 1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361\end{array}$ $\begin{array}{lllllllll}1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361 \\ 1000 & 920.2568 & 0.0077 & 0.034261 & 0.033104 & 0.040039 & 3.735436 & 3.415903 & 0.007889\end{array}$ $\begin{array}{lllllllll}1000 & 1052.672 & 0.010716 & 0.057902 & 0.060937 & 0.052204 & 4.032544 & 4.654298 & 0.004371\end{array}$ $\begin{array}{lllllllll}1000 & 1058.219 & 0.001879 & 0.035675 & 0.034252 & 0.030765 & 4.590401 & 4.726898 & 0.0032303\end{array}$ $\begin{array}{llllllllll}1000 & 1252.312 & 0.003046 & 0.04192 & 0.000398 & 0.024161 & 4.136815 & 3.775635 & 0.002383\end{array}$ $\begin{array}{lllllllllll}1000 & 1203.704 & 0.006028 & 0.042508 & 0.013982 & 0.025003 & 3.896073 & 4.005617 & 0.003806\end{array}$ $\begin{array}{lllllllll}1000 & 11101.566 & -0.002205 & 0.035857 & 0.023016 & 0.0164661 & 4.863489 & 4.798971 & 0.00223 \\ 1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.00331\end{array}$ $\begin{array}{llllllllll}1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.003318\end{array}$ $\begin{array}{lllllllll}1000 & 1058.409 & 0.009446 & 0.052058 & 0.050708 & 0.050175 & 4.652786 & 4.801299 & 0.000756 \\ 1000 & 1183.255 & 0.010478 & 0.043883 & 0.012169 & 0.050827 & 4.573784 & 4.355595 & 0.000188\end{array}$ $\begin{array}{llllllllllll}1000 & 803.8904 & 0.009577 & 0.037524 & 0.040648 & 0.053182 & 4.120374 & 4.371965 & 0.0001496\end{array}$ $\begin{array}{lllllllll}1000 & 1037.693 & 0.001658 & 0.066333 & 0.000384 & 0.057836 & 5.041496 & 4.693602 & 0.003352\end{array}$ $\begin{array}{llllllllll}1000 & 925.5876 & 0.006262 & 0.053149 & 0.037427 & 0.054935 & 3.407574 & 3.769117 & 0.002198\end{array}$ $\begin{array}{llllllllll}1000 & 843.6636 & 0.006927 & 0.055849 & 0.07241 & 0.063077 & 3.607112 & 3.68253 & 0.001427\end{array}$ $\begin{array}{lllllllll}1000 & 805.7752 & 0.008382 & 0.066314 & 0.031675 & 0.056916 & 3.140758 & 3.685913 & 0.001727\end{array}$ $\begin{array}{lllllllll}1000 & 872.5966 & 0.003589 & 0.07632 & 0.056564 & 0.068877 & 3.25273 & 3.405482 & 0.00511 \\ 1000 & 1094.094 & 0.014232 & 0.07559 & 0.093232 & 0.07731 & 3.735111 & 3.52045 & 0.00558\end{array}$ $\begin{array}{lllllllll}1000 & 1094.094 & 0.014232 & 0.075594 & 0.093232 & 0.067318 & 3.735111 & 3.52045 & 0.000588 \\ 1000 & 1136.891 & 0.006728 & 0.070606 & 0.093671 & 0.066265 & 3.353711 & 3.772757 & 0.002211\end{array}$ $\begin{array}{llllllllll}1000 & 643.5551 & 0.003235 & 0.064861 & 0.045898 & 0.053631 & 2.466275 & 2.753502 & 0.004146\end{array}$ $\begin{array}{llllllllll}1000 & 1007.207 & 0.009489 & 0.104798 & 0.101768 & 0.092928 & 3.365738 & 3.481152 & 0.002528\end{array}$ $\begin{array}{llllllllll}1000 & 981.4423 & 0.005573 & 0.081417 & 0.066412 & 0.076956 & 3.78825 & 3.615239 & 0.000662\end{array}$ $\begin{array}{llllllllllllll}1000 & 902.3315 & 0.002563 & 0.070003 & 0.091977 & 0.076141 & 3.140902 & 2.804534 & 0.003079\end{array}$ $\begin{array}{lllllllll}1000 & 932.0316 & 0.00459 & 0.102028 & 0.060143 & 0.110296 & 3.21881 & 3.759883 & 0.005003\end{array}$ $\begin{array}{rrrrrrrr}1000 & 860.124 & 0.007311 & 0.09571 & 0.075124 & 0.071388 & 3.570918 & 3.45387 \\ 1000 & 1039.437 & 0.0001884 & 0.095932 & 0.059 & 0.050909 & 0.07152 & 3.058191\end{array}$ $\begin{array}{lllllllll}1000 & 1039.437 & 0.001884 & 0.095799 & 0.030909 & 0.071252 & 3.958191 & 3.569328 & 0.0073666 \\ 1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774\end{array}$ $\begin{array}{lllllllll}1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774 \\ 1000 & 828.783 & 0.001097 & 0.075206 & 0.057932 & 0.068643 & 3.481892 & 3.233353 & 0.014633\end{array}$ $\begin{array}{llllllll}1000 & 128.7821 & 0.0056 & 0.047063 & 0.025682 & 0.089367 & 3.603593 & 4.031645 \\ 1000 & 1247.822 & 0.017631\end{array}$ $\begin{array}{lllllllllll}1000 & 1013.95 & 0.008459 & 0.059136 & 0.050498 & 0.052941 & 4.676865 & 4.152523 & 0.031187\end{array}$ $\begin{array}{lllllllll}1000 & 898.0917 & 0.008767 & 0.065534 & 0.079227 & 0.060491 & 4.655381 & 4.30596 & 0.021502\end{array}$ $\begin{array}{lllllllll}1000 & 1083.251 & 0.004121 & 0.062631 & 0.060933 & 0.056853 & 4.164407 & 3.759606 & 0.019272\end{array}$ $\begin{array}{llllllllllll}1000 & 823.1413 & 0.005656 & 0.049786 & 0.02715 & 0.044668 & 3.361296 & 3.02752 & 0.018793\end{array}$ $\begin{array}{lllllllllll}1000 & 844.7162 & 0.008494 & 0.053126 & 0.057647 & 0.057584 & 3.7277777 & 3.990325 & 0.021677\end{array}$ $\begin{array}{lllllllll}1000 & 1355.153 & 0.006074 & 0.072735 & 0.083726 & 0.059459 & 4.642025 & 4.456776 & 0.010294\end{array}$ $\begin{array}{lllllllll}1000 & 1038.849 & 0.006568 & 0.063042 & 0.051207 & 0.05379 & 3.845864 & 3.856597 & 0.014046 \\ 1000 & 916.6377 & 0.003637 & 0.04579 & 0.074328 & 0.059461 & 4.432084 & 3.905216 & 0.00713\end{array}$ $\begin{array}{llllllllllll}1000 & 958.7189 & 0.005053 & 0.044903 & 0.023287 & 0.041139 & 2.777737 & 3.01019 & 0.004182\end{array}$ $\begin{array}{llllllllll}1000 & 1016.01 & 0.008067 & 0.068378 & 0.033805 & 0.061769 & 4.005572 & 4.108602 & 0.00607\end{array}$ $\begin{array}{llllllllllll}1000 & 1038.673 & 0.009541 & 0.065047 & 0.050537 & 0.060513 & 4.812117 & 4.194778 & 0.004595\end{array}$


| 10.912 | 103.01 | 166.03 | 117.04 | 195.12 | 8016.69 | 139670.9 | 162.03 | 79.01 | 8 | 96.01 | 5248.14 | 48187.35 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.2458 | 170.03 | 148.02 | 111.04 | 140.06 | 6881.4 | 120978 | 176.03 | 84.01 | 23 | 75.01 | 5330.09 | 39947.81 |  |
| 111.5797 | 94.01 | 189.04 | 113.04 | 160.08 | 8205.11 | 106905.4 | 160.03 | 74.01 | 18 | 81.01 | 5260.28 | 44469.92 |  |
| 111.914 | 121.02 | 172.03 | 177.1 | 179.1 | . 25 | 159670.2 | 166.03 | 98.01 | 15 | 85.01 | 83 | 45544.06 |  |
| 112.2478 | 133.02 | 207.04 | 116.04 | 85.11 | 8164.04 | 158706.1 | 174.03 | 102.01 | 14 | 101.01 | 4946.79 | 43993.6 |  |
| 112.5816 | 134.02 | 191.04 | 124.05 | 185.11 | 7731.85 | 119433.4 | 153.03 | 106.01 | 14 | 111.01 | 5412.05 | 46783.14 |  |
| 112.916 | 114.01 | 136.02 | 158.08 | 170.09 | 7007.84 | 118180.9 | 167.03 | 114.01 | 18 | 97.01 | 5228.92 | 44937.84 |  |
| 113.2498 | 78.01 | 171.03 | 117.04 | 187.11 | 9133.6 | 118618.3 | 178.03 | 119.02 | 18 | 92.01 | 4896.25 | 41111.18 |  |
| 113.5836 | 115.01 | 139.02 | 123.05 | 188.11 | 7892.6 | 122290.1 | 180.03 | 110.01 | 9 | 136.02 | 5390.8 | 40042.64 |  |
| 113.91 | 123.02 | 147.02 | 210.14 | 2.08 | 1.7 | 118876 | 185.04 | 129.02 | 13 | 159. | 16.3 | 40847. |  |
| 114.2518 | 118.01 | 139.02 | 153.07 | 182.1 | 9307.43 | 139822.4 | 188.0 | 141.02 | 6 | 136.0 | 4735.56 | 44018.9 |  |
| 114.585 | 119.01 | 158. | 146.07 | 179.1 | 6828.13 | 145393.7 | 145.02 | 159.03 | 8 | 121.02 | 5093.4 | 40110.25 |  |
| 114.9199 | 91.01 | 154.02 | 149.07 | 203.13 | 7781.21 | 135404.5 | 138.02 | 160.03 | 12 | 146.02 | 5156.1 | 47129.38 |  |
| 115.2538 | 108.01 | 136.02 | 135.06 | 189.11 | 7296.63 | 145341.8 | 140.02 | 170.03 | 24 | 122.02 | 4953.87 | 42777.16 |  |
| 115.5876 | 123.02 | 158.03 | 37.06 | 215.15 | 6975.44 | 146561.6 | 163.03 | 156.03 | 26 | 121.02 | 4714.34 | 42006.93 |  |
| 115.9219 | 116.0 | 155.0 | 167.09 | 205.13 | 7208.68 | 135788.7 | 171.03 | 110.01 | 21 | 136.02 | 5828.15 | 41200.78 |  |
| 116.2557 | 110.01 | 129.02 | 156.08 | 185.11 | 8624.85 | 119387.1 | 147.02 | 99.01 | 16 | 95.01 | 4571.89 | 41538.61 |  |
| 116.5896 | 97.01 | 130.02 | 167.09 | 192.12 | 6944.08 | 135200.2 | 169.03 | 120.02 | 22 | 100.01 | 5456.58 | 40771.47 |  |
| 116.9249 | 153.02 | 154.02 | 143.06 | 173.09 | 6931.55 | 105899.4 | 213.05 | 117.01 | 16 | 127.02 | 4679.98 | 45478.98 |  |
| 117.2588 | 118.01 | 123.02 | 163.08 | 217.15 | 7627.92 | 137938.6 | 167.03 | 142.02 | 15 | 129.02 | 5045.87 | 45042.49 |  |
| 117.5926 | 131.02 | 163.03 | 145.07 | 33.17 | 8341.04 | 147298.6 | 142.02 | 137.02 | 17 | 125.02 | 5209.7 | 38158.14 |  |
| 117.9269 | 123.02 | 138.02 | 166.09 | 188.11 | 8837.25 | 115959.1 | 146.02 | 149.02 | 20 | 150.02 | 4653.72 | 41348.36 |  |
| 118.2607 | 125.02 | 125.02 | 180.1 | 179.1 | 7071.62 | 118152.5 | 174.03 | 115.01 | 21 | 94.01 | 4753.74 | 40639.38 |  |
| 118.5946 | 143.02 | 144.02 | 136.06 | 199.13 | 7014.11 | 130211.8 | 170.03 | 120.02 | 26 | 152.03 | 4791.13 | 41305.71 |  |
| 118.9289 | 141.02 | 154.02 | 149.07 | 170.09 | 7956.73 | 123459.2 | 175.03 | 134.02 | 27 | 145.02 | 4621.39 | 45100.88 |  |
| 119.2627 | 1.02 | 130.02 | 178.1 | 0.07 | 8169.3 | 206000.9 | 75.03 | 158.03 | 11 | 149.02 | 5609.42 | 41980.66 |  |
| 119.5965 | 189.04 | 125.02 | 128.05 | 229.17 | 7695.1 | 134846 | 160.03 | 171.03 | 29 | 140.02 | 4966 | 47544.54 |  |
| 119.9309 | 181.03 | 119.01 | 128.05 | 209.14 | 7309.2 | 128876.8 | 164.03 | 152.03 | 33 | 143.02 | 5401.93 | 47834.79 |  |
| 120.2647 | 208.05 | 123.02 | 140.06 | 218.15 | 8219.85 | 127136.3 | 166.03 | 135.02 | 25 | 121.02 | 5782.57 | 43207.19 |  |
| 120.5985 | 207.04 | 131.02 | 133.06 | 173.09 | 6758.19 | 134596.4 | 146.02 | 119.02 | 18 | 137.02 | 5258.26 | 43263.17 |  |
| 120.9329 | 209.05 | 142.02 | 128.05 | 196.12 | 7746.55 | 138418.3 | 157.03 | 127.02 | 22 | 145.0 | 4756.7 | 42489.96 |  |
| 121.2667 | 224.05 | 153.02 | 167.09 | 5.28 | 7624.77 | 122400.2 | 79.03 | 44.02 | 27 | 151.0 | 5214.7 | 48129.68 |  |
| 121.6005 | 227.05 | 106.01 | 183.11 | 186.11 | 8657.59 | 121692 | 154.03 | 157.03 | 23 | 166.03 | 5476.82 | 43681.56 |  |
| 121.9348 | 169.03 | 166.03 | 158.08 | 211.14 | 8722.03 | 145593.1 | 140.02 | 178.03 | 19 | 177.03 | 5769.41 | 45257.38 |  |
| 122.2687 | 169.03 | 138.02 | 168.09 | 204.13 | 8280.96 | 146165.6 | 169.03 | 224.05 | 27 | 190.04 | 6717.3 | 49203.21 |  |
| 122.6025 | 212.05 | 136.02 | 176.1 | 195.12 | 8124.03 | 149994.3 | 159.03 | 215.05 | 44 | 204.05 | 5299.74 | 43068.93 |  |
| 122.9368 | 155.03 | 128.02 | 174.1 | 254.2 | 7907.32 | 132814.5 | 181.0 | 225.05 | 33 | 196. | 5112.61 | 47200.21 |  |
| 123.2707 | 164.03 | 155.03 | 126.05 | 34.17 | 8534.06 | 124005.4 | 167.03 | 209.05 | 27 | 188.0 | 5854.49 | 40740.9 |  |
| 123.605 | 108.01 | 130.02 | 199.13 | 227.16 | 7849.5 | 113768.8 | 196.04 | 282.09 | 31 | 207.05 | 5998.34 | 48019.91 |  |
| 123.9388 | 134.02 | 163.03 | 188.11 | 275.24 | 8137.72 | 131651.1 | 239.06 | 239.06 | 45 | 210.05 | 5678.27 | 44916.91 |  |
| 124.2726 | 149.02 | 140.02 | 142.06 | 207.14 | 8393.75 | 125694.7 | 195.04 | 208.05 | 44 | 169.03 | 5542.61 | 49649.09 |  |
| 124.607 | 129.02 | 139.02 | 200.13 | 203.13 | 9153.73 | 170036.9 | 226.06 | 209.05 | 40 | 185.04 | 5099.46 | 43419.06 |  |
| 124.9418 | 117.01 | 154.02 | 199.13 | 248.19 | 8132.45 | 134296.6 | 236.06 | 201.04 | 39 | 190.0 | 5481.88 | 45281.63 |  |
| 125.2757 | 148.02 | 130.02 | 218.15 | 270.23 | 7857.9 | 113314.9 | 255.07 | 221.05 | 29 | 183.04 | 5401.93 | 47630.93 |  |
| 125.61 | 146.02 | 137.02 | 177.1 | 292.27 | 7630.01 | 130716.1 | 215.05 | 202.04 | 35 | 180.04 | 5585.13 | 44630.61 |  |
| 125.9438 | 118.01 | 165.03 | 219.15 | 204.13 | 7383.58 | 128576 | 236.06 | 214.05 | 50 | 157.03 | 5782.57 | 49154.3 |  |
| 126.2776 | 142.02 | 123.02 | 190.11 | 215.15 | 6528.72 | 126516.8 | 216.05 | 183.04 | 21 | 165.03 | 5682.32 | 40495.3 |  |
| 126.612 | 136.02 | 144.02 | 126.05 | 206.13 | 7564.96 | 111027 | 228.06 | 160.03 | 36 | 169.03 | 5253.2 | 46077.06 |  |
| 126.9458 | 114.01 | 150.02 | 145.07 | 263.22 | 8211.43 | 135761 | 247.07 | 184.04 | 20 | 167.03 | 5037.78 | 42595.16 |  |
| 127.2796 | 125.02 | 147.02 | 185.11 | 227.16 | 9413.51 | 119914.5 | 213.05 | 157.03 | 23 | 155.03 | 5247.13 | 43167.68 |  |
| 127.614 | 135.02 | 149.02 | 161.08 | 262.22 | 7821.13 | 136845.4 | 219.05 | 138.02 | 28 | 160.03 | 5701.56 | 46422.79 |  |
| 127.9478 | 125.02 | 133.02 | 165.09 | 191.12 | 7218.1 | 135168.7 | 255.07 | 143.02 | 27 | 145.02 | 5144.97 | 45565.01 |  |
| 128.2816 | 146.02 | 146.02 | 143.06 | 198.12 | 7447.51 | 141243.3 | 201.04 | 125.02 | 36 | 122.02 | 5229.93 | 41493.77 |  |
| 128.6159 | 160.03 | 119.01 | 194.12 | 174.1 | 7100.91 | 148006.7 | 187.04 | 151.02 | 27 | 142.02 | 4885.13 | 43501.41 |  |
| 128.9498 | 144.02 | 142.02 | 158.08 | 282.25 | 8255.67 | 129921.3 | 177.03 | 157.03 | 24 | 121.02 | 4832.57 | 38475.32 |  |
| 129.2836 | 158.03 | 92.01 | 111.04 | 190.11 | 7337.48 | 135638.7 | 174.03 | 177.03 | 26 | 126.02 | 4831.56 | 43278.54 |  |
| 129.6179 | 118.01 | 177.03 | 138.06 | 174.1 | 7180.42 | 113730.3 | 200.04 | 170.03 | 28 | 128.02 | 5039.8 | 42904.38 |  |
| 129.9517 | 132.02 | 132.02 | 166.09 | 216.15 | 7365.77 | 111272.6 | 160.03 | 163.03 | 23 | 170.03 | 4822.46 | 41918.2 |  |
| 130.2856 | 149.02 | 139.02 | 150.07 | 8.12 | 7538.74 | 111044.7 | 173.03 | 161.03 | 23 | 151.02 | 4991.27 | 47995.52 |  |
| 130.6199 | 99.01 | 146.02 | 175.1 | 202.13 | 7203.45 | 123824.4 | 162.03 | 163.03 | 23 | 108.01 | 4909.39 | 44482.02 |  |
| 130.9537 | 114.01 | 126.02 | 141.06 | 180.1 | 7384.63 | 111506.3 | 183.04 | 146.02 | 11 | 105.01 | 4980.15 | 41936.87 |  |
| 131.2876 | 99.01 | 155.03 | 130.05 | 176.1 | 9568.53 | 132619.8 | 157.03 | 102.01 | 15 | 123.02 | 5073.17 | 41740.98 |  |
| 131.6219 | 99.01 | 126.02 | 109.04 | 179.1 | 8648.09 | 138957.8 | 171.03 | 111.01 | 10 | 108.01 | 5136.88 | 43933.2 |  |
| 131.9557 | 111.01 | 131.02 | 124.05 | 146.07 | 7815.8 | 113781 | 161.03 | 89.01 | 12 | 94.01 | 6895.95 | 47109.46 |  |

$0.0536820 .360345 \quad 0.3086690 .368069$ $\begin{array}{llll}0.145371 & 0.367326 & 0.340874 & 0.288409\end{array}$ $\begin{array}{llllll}0.043121 & 0.408302 & 0.291106 & 0.284683\end{array}$ $\begin{array}{llllll}0.075184 & 0.38771 & 0.485077 & 0.343968\end{array}$ $\begin{array}{lllll}0.083974 & 0.454568 & 0.300465 & 0.339911 \\ 0.089769 & 0.438487 & 0.339521 & 0.358915\end{array}$ $\begin{array}{llll}0.089769 & 0.438487 & 0.339521 & 0.358915 \\ 0.074762 & 0.326358 & 0.478932 & 0.358397\end{array}$ $\begin{array}{lllll}0.023839 & 0.3227248 & 0.478932 & 0.350916 & 0.307663\end{array}$ $\begin{array}{llllll}0.067457 & 0.297387 & 0.329882 & 0.358273\end{array}$ $\begin{array}{llllll}0.06949 & 0.290165 & 0.517778 & 0.274356\end{array}$
 $\begin{array}{llllll}0.042192 & 0.340302 & 0.406444 & 0.397273\end{array}$ $\begin{array}{llllllll}0.064809 & 0.313438 & 0.392194 & 0.389948\end{array}$ $\begin{array}{llllllll}0.086095 & 0.39115 & 0.416417 & 0.473413\end{array}$ $\begin{array}{lllll}0.075038 & 0.370146 & 0.492437 & 0.433701\end{array}$ $\begin{array}{llll}0.056798 & 0.248885 & 0.38414 & 0.321746 \\ & 054628 & 0.312029 & 0.511206\end{array}$ $\begin{array}{llll}0.054628 & 0.312029 & 0.511206 & 0.417356 \\ 0.123449 & 0.382026 & 0.437651 & 0.369937\end{array}$ $\begin{array}{llllllll}0.073143 & 0.265647 & 0.454072 & 0.437509\end{array}$ $\begin{array}{lllll}0.080153 & 0.339117 & 0.368857 & 0.433796\end{array}$ $\begin{array}{llllll}0.067953 & 0.263323 & 0.399239 & 0.319968\end{array}$ $0.0873290 .2922210 .541509 \quad 0.37752$ $\begin{array}{lllll}0.10987 & 0.348939 & 0.411058 & 0.430725\end{array}$ 0.0947130 .3327930 .3974770 .315646 $\begin{array}{lllll}0.102539 & 0.265221 & 0.46347 & 0.264431 \\ 0.151005 & 0.268539 & 0.35231 & 0.461097\end{array}$ $0.14966 \quad 0.266232 \quad 0.370915 \quad 0.437362$ $\begin{array}{lllll}0.161031 & 0.246513 & 0.361202 & 0.408131\end{array}$ $\begin{array}{lllll}0.194597 & 0.323581 & 0.417091 & 0.379429\end{array}$ $\begin{array}{llllll}0.17197 & 0.310761 & 0.349969 & 0.383172\end{array}$ $\begin{array}{llll}0.191448 & 0.344655 & 0.465558 & 0.617488\end{array}$ $\begin{array}{lllll}0.171551 & 0.194649 & 0.449759 & 0.322556\end{array}$ $\begin{array}{llll}0.113712 & 0.331198 & 0.384785 & 0.370525 \\ 0.11977 & 0.281016 & 0.431253 & 0.375411\end{array}$ $\begin{array}{llllll}0.167118 & 0.281509 & 0.460767 & 0.363205\end{array}$ $\begin{array}{llllll}0.110373 & 0.268938 & 0.467964 & 0.504261\end{array}$ $\begin{array}{llllllll}0.111235 & 0.312648 & 0.312633 & 0.426038\end{array}$ $\begin{array}{llllllll}0.060243 & 0.276029 & 0.539916 & 0.447532\end{array}$ $\begin{array}{llll}0.085291 & 0.347592 & 0.491697 & 0.535347\end{array}$ $\begin{array}{llll}0.097887 & 0.282017 & 0.358836 & 0.376658\end{array}$ $\begin{array}{llll}0.071177 & 0.256408 & 0.46532 & 0.337694\end{array}$ $01034810275733 \quad 0591338 \quad 0.543227$ $\begin{array}{lllll}0.104343 & 0.302368 & 0.493423 & 0.610142\end{array}$ $\begin{array}{llllll}0.075564 & 0.388534 & 0.632245 & 0.421049\end{array}$ 0.1167380 .3103840 .6194910 .005814 $\begin{array}{lllllllll}0.093999 & 0.323524 & 0.352692 & 0.41559\end{array}$ $\begin{array}{llll}0.063801 & 0.3127 & 0.37468 & 0.504856\end{array}$ $\begin{array}{llll}0.065599 & 0.266371 & 0.4182 & 0.373162\end{array}$ 0.085320 .3257450 .4373590 .527812 $\begin{array}{lllll}106901 & 0.334013 & 0.407324 & 0.403274\end{array}$ $\begin{array}{lllll}0.1289 & 0.274043 & 0.581692 & 0.363607\end{array}$ 0.0943740 .2915930 .4065270 .542596 $\begin{array}{llllllllll} & 0.122424 & 0.191416 & 0.319681 & 0.390167\end{array}$ $\begin{array}{lllll}0.077702 & 0.433043 & 0.407519 & 0.35958\end{array}$ $\begin{array}{lllll}0.091923 & 0.299606 & 0.479016 & 0.450701\end{array}$ $\begin{array}{lllll}0.45991 & 0.31135 & 0.42237 & 0.398392\end{array}$ $\begin{array}{lllllll}0.070947 & 0.282547 & 0.404974 & 0.363891\end{array}$ $\begin{array}{llllll}0.041419 & 0.278841 & 0.287808 & 0.273487\end{array}$ $\begin{array}{llllll}0.045829 & 0.24126 & 0.266255 & 0.308687\end{array}$ $\begin{array}{llllll}0.063767 & 0.279782 & 0.335869 & 0.267411\end{array}$

$\begin{array}{llllllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786\end{array}$ $\begin{array}{lllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786 \\ 1000 & 1030.703 & 0.005724 & 0.069542 & 0.111281 & 0.046729 & 4.411835 & 3.945086 & 0.005952 \\ 100 & 763.7365 & 0.00273 & 0.051261 & 0.072176 & 0.04627 & 3.550583 & 3.38027 & 0.00686\end{array}$ $\begin{array}{lllllllll}1000 & 1206.393 & 0.003706 & 0.0572105 & 0.072176 & 0.044628 & 0.6505058 & 3.683027 & 0.00686 \\ 10.051013 & 3.829933 & 3.987757 & 0.004487\end{array}$ $\begin{array}{lllllllll}1000 & 1139.93 & 0.004564 & 0.071385 & 0.055535 & 0.051013 & 0.82639933 & 3.987757 & 0.004487 \\ 10.446269 & 3.661917 & 0.003515\end{array}$ $\begin{array}{llllllll}1000 & 905.5828 & 0.001935 & 0.078373 & 0.05864 & 0.076215 & 3.987927 & 4.11183 \\ 0.002918\end{array}$ $\begin{array}{lllllllll}1000 & 988.6773 & 0.004257 & 0.093085 & 0.08451 & 0.069234 & 4.248488 & 4.3578 & 0.006282 \\ 1000 & 7613368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 761.3368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 908.375 & 0.005528 & 0.079712 & 0.03546 & 0.098228 & 3.891071 & 3.447692 & 0.011792\end{array}$ $\begin{array}{lllllllll}1000 & 886.428 & 0.005664 & 0.085542 & 0.048449 & 0.109513 & 3.101087 & 3.212075 & 0.007577 \\ 1080.8056 & 0.005601 & 0.08689 & 0.018883 & 0.083294 & 2.891213 & 3.21382 & 0.0044\end{array}$ $\begin{array}{lllllllll}1000 & 1248.595 & 0.000946 & 0.133727 & 0.086735 & 0.097208 & 4.245227 & 3.992039 & 0.006896\end{array}$ $\begin{array}{llllllllll}1000 & 1020.289 & -0.00013 & 0.118088 & 0.049348 & 0.109192 & 3.771862 & 4.11598 & 0.005264\end{array}$ $\begin{array}{llllllllllll}1000 & 1167.989 & 0.000158 & 0.133871 & 0.109703 & 0.091984 & 3.861684 & 3.984044 & 0.003093\end{array}$ $\begin{array}{llllllllll}1000 & 1232.046 & 0.003667 & 0.128411 & 0.124706 & 0.095154 & 3.840393 & 4.092499 & 0.004114\end{array}$ $\begin{array}{lllllllll}1000 & 1104.47 & 0.004727 & 0.087276 & 0.096598 & 0.10755 & 4.612181 & 3.884053 & 0.005682 \\ 1000 & 811.466 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.01025 & 327279 & 0.003682\end{array}$ $\begin{array}{lllllllll}1000 & 811.486 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.010025 & 3.27279 & 0.003682 \\ 1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574\end{array}$ $\begin{array}{lllllllll}1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574 \\ 1000 & 895.5792 & 0.011353 & 0.096616 & 0.075427 & 0.102195 & 3.835968 & 4.45883 & 0.006351\end{array}$ $\begin{array}{llllllllll}1000 & 1060.293 & 0.00391 & 0.106786 & 0.063989 & 0.094813 & 3.763873 & 4.012791 & 0.006575\end{array}$ $\begin{array}{llllllllll}1000 & 1035.477 & 0.000392 & 0.094182 & 0.066839 & 0.083139 & 3.555916 & 3.108759 & 0.00785\end{array}$ $\begin{array}{lllllllllll}1000 & 769.2149 & 0.000851 & 0.096758 & 0.074866 & 0.099507 & 2.991364 & 3.179485 & 0.007409\end{array}$ $\begin{array}{lllllllll}1000 & 979.5221 & 0.005269 & 0.093064 & 0.098471 & 0.065454 & 3.82046 & 3.9054 & 0.005792\end{array}$ | 1000 | 1088.455 | 0.004707 | 0.097965 | 0.124019 | 0.12751 | 3.882708 | 4.00199 | 0.007588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 909.675 & 0.004816 & 0.096548 & 0.1113685 & 0.105878 & 3.29891 & 3.851913 & 0.005148\end{array}$ $\begin{array}{lllllllll}1000 & 1478.939 & 0.004691 & 0.111059 & 0.042755 & 0.106735 & 3.914445 & 3.492105 & 0.00689 \\ 1000 & 1027.449 & 0.00291 & 0.12769 & 0.126571 & 0.104616 & 3.670812 & 4.198713 & 0.008908\end{array}$ $\begin{array}{lllllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 & 0.004765\end{array}$ $\begin{array}{llllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 \\ 1000 & 906.8016 & 0.0035 & 0.094162 & 0.101601 & 0.080746 & 4.012529 & 3.572027 \\ 0.007593\end{array}$ $\left.\begin{array}{llllllll}1000 & 1167.758 & 0.001113 & 0.100818 & 0.087633 & 0.08115821 & 4.430648 & 4.350418\end{array}\right) .0005607$ $\begin{array}{lllllllll}1000 & 1047.686 & 0.00248 & 0.093934 & 0.09437 & 0.108721 & 3.489795 & 3.727402 & 0.0054496\end{array}$ $\begin{array}{lllllllll}1000 & 941.1382 & 0.005583 & 0.108349 & 0.118635 & 0.11631 & 3.893886 & 4.289603 & 0.0097994 \\ 1000 & 824.0397 & 0.001851 & 0.104125 & 0.088446 & 0.115325 & 3.60483 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 824.0397 & 0.001851 & 0.104125 & 0.0888446 & 0.115325 & 3.604803 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 978.7613 & 0.000132 & 0.117302 & 0.071876 & 0.123852 & 3.772706 & 3.526057 & 0.00575 \\ 1000 & 1034.962 & 0.003858 & 0.155741 & 0.109233 & 0.142134 & 4.637519 & 4.037715 & 0.006427\end{array}$ $\begin{array}{llllllllll}1000 & 1082.615 & 0.002626 & 0.152333 & 0.183965 & 0.157705 & 3.715198 & 3.602601 & 0.006928\end{array}$ $\begin{array}{lllllllllll}1000 & 984.7912 & 0.005653 & 0.163834 & 0.140729 & 0.154494 & 3.679797 & 4.056408 & 0.007893\end{array}$ $\begin{array}{llllllllll}1000 & 851.878 & 0.003495 & 0.14094 & 0.105992 & 0.136175 & 3.913636 & 3.244094 & 0.011265\end{array}$ $\begin{array}{lllllllll}1000 & 849.6564 & 0.007724 & 0.207133 & 0.132923 & 0.166064 & 4.361304 & 4.157261 & 0.0142\end{array}$ $\begin{array}{lllllllll}1000 & 948.5133 & 0.013063 & 0.169167 & 0.18792 & 0.162923 & 3.978705 & 3.750861 & 0.010683\end{array}$ $\begin{array}{llllllllll}1000 & 877.9314 & 0.007097 & 0.142606 & 0.178052 & 0.121609 & 3.763591 & 4.019546 & 0.009999\end{array}$ $\begin{array}{lllllllll}1000 & 1089.298 & 0.010105 & 0.131397 & 0.148102 & 0.124517 & 3.170311 & 3.223259 & 0.011841 \\ 1000 & 968.2181 & 0.01268 & 0.142196 & 0.162437 & 0.14473 & 3.841237 & 3.783769 & 0.012952\end{array}$ $\begin{array}{lllllllllll}1000 & 845.25571 & 0.015692 & 0.161916 & 0.123948 & 0.143163 & 3.916467 & 4.11917 & 0.008723\end{array}$ $\begin{array}{lllllllll}1000 & 1004.452 & 0.010592 & 0.152322 & 0.154942 & 0.144516 & 4.172721 & 3.975007 & 0.006573\end{array}$ $\begin{array}{llllllllll}1000 & 1020.974 & 0.013967 & 0.166828 & 0.23062 & 0.126164 & 4.467101 & 4.524065 & 0.011359\end{array}$ $\begin{array}{lllllllll}1000 & 1136.185 & 0.012542 & 0.161165 & 0.106662 & 0.151801 & 4.963122 & 4.215248 & 0.006743\end{array}$ $\begin{array}{llllllllll}1000 & 860.3527 & 0.012509 & 0.121465 & 0.160862 & 0.134935 & 3.954148 & 4.139133 & 0.006225\end{array}$ $\begin{array}{lllllllll}1000 & 969.3694 & 0.013982 & 0.128837 & 0.088573 & 0.122498 & 3.490637 & 3.52504 & 0.003868\end{array}$ $\begin{array}{lllllllll}1000 & 746.7746 & 0.008359 & 0.095762 & 0.081342 & 0.097373 & 3.173777 & 3.116145 & 0.005653\end{array}$ $\begin{array}{lllllllll}1000 & 1025.892 & 0.010876 & 0.101185 & 0.120094 & 0.121956 & 4.157065 & 4.033571 & 0.005237 \\ 1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 & 0.00525\end{array}$ $\begin{array}{llllllll}1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 \\ 1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 0.003442\end{array}$ $\begin{array}{rlllllll}1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 10.003442 \\ 1000 & 1222.215 & 0.007193 & 0.122055 & 0.12739 & 0.115467 & 3.912007 & 4.163196\end{array}$ $\begin{array}{lllllllll}1000 & 922.6626 & 0.004899 & 0.109195 & 0.096956 & 0.080395 & 3.327776 & 3.167022 & 0.005332\end{array}$ | 1000 | 1083.879 | 0.005078 | 0.138652 | 0.118552 | 0.095526 | 3.743507 | 4.008295 | 0.006 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 928.534 & 0.009036 & 0.136039 & 0.130812 & 0.099687 & 3.993602 & 4.060579 & 0.008266\end{array}$ $\begin{array}{lllllllll}1000 & 885.5814 & 0.003041 & 0.12711 & 0.103961 & 0.139594 & 3.721961 & 3.867395 & 0.010138\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 863.4832 & 0.004802 & 0.122656 & 0.101575 & 0.117638 & 3.766406 & 4.326472 & 0.00584 \\ 1000 & 1007.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 10077.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984 \\ 1000 & 885.1764 & 0.006341 & 0.113442 & 0.047299 & 0.073757 & 3.836293 & 3.859227 & 0.002641\end{array}$ $\begin{array}{lllllllll}1000 & 812.5939 & 0.002008 & 0.060905 & 0.051009 & 0.070917 & 3.016918 & 2.964329 & 0.002679\end{array}$ $\begin{array}{lllllllllll}1000 & 942.1062 & 0.00394 & 0.073417 & 0.036375 & 0.065559 & 3.380806 & 3.452158 & 0.005445\end{array}$ $\begin{array}{llllllll}1000 & 853.4041 & 0.003001 & 0.064931 & 0.049129 & 0.05922 & 5.046094 & 4.095986\end{array} 0.002887$


$0.044437 \quad 0.312571 \quad 0.3427810 .308624$ $\begin{array}{llll}0.046762 & 0.336857 & 0.370035 & 0.340106 \\ 0.068011 & 0.326076 & 0.3969 & 0.52308\end{array}$ $\begin{array}{lllll}0.056868 & 0.342325 & 0.41955 & 0.330288\end{array}$ $\begin{array}{lllllll}0.078507 & 0.267993 & 0.465506 & 0.383965\end{array}$ $\begin{array}{llllll}0.074248 & 0.277665 & 0.365257 & 0.264165\end{array}$ $\begin{array}{lllll}0.087761 & 0.317996 & 0.424742 & 0.470755\end{array}$ $\begin{array}{llll}0.059405 & 0.282427 & 0.468836 & 0.42556\end{array}$ $\begin{array}{llll}0.046608 & 0.266311 & 0.351871 & 0.356288 \\ 0.051645 & 0.316809 & 0.524103 & 0.406413\end{array}$ $\begin{array}{lllll}0.065676 & 0.387286 & 0.445211 & 0.500101\end{array}$ $\begin{array}{llllll}0.082519 & 0.344969 & 0.397571 & 0.513949\end{array}$ $\begin{array}{llllll}0.108877 & 0.367639 & 0.382537 & 0.708788\end{array}$ $\begin{array}{lllll}0.089773 & 0.322717 & 0.456213 & 0.468827\end{array}$ 0.0665620 .3295210 .5005860 .677443 $\begin{array}{llll}0.072219 & 0.297353 & 0.567465 & 0.38169\end{array}$ $\begin{array}{llll}0.08197 & 0.334285 & 0.572469 & 0.524167 \\ 0.107833\end{array}$ $\begin{array}{llll}0.10883 & 0.422019 & 0.598455 & 0.517814 \\ 0.048601 & 0.404893 & 0.56953 & 0.693092\end{array}$ $\begin{array}{llll}0.058346 & 0.291126 & 0.48466 & 0.418928\end{array}$ $\begin{array}{llll}0.050163 & 0.257065 & 0.567555 & 0.400535\end{array}$ $\begin{array}{llllll}0.094217 & 0.293535 & 0.455265 & 0.65651\end{array}$ $\begin{array}{lllll}0.071373 & 0.413759 & 0.733668 & 0.504353\end{array}$ $\begin{array}{lllll}0.069974 & 0.325375 & 0.57928 & 0.443203\end{array}$ $\begin{array}{llll}0.092585 & 0.294887 & 0.786703 & 0.463063\end{array}$ $\begin{array}{llll}0.076388 & 0.195029 & 0.507872 & 0.4513 \\ 0.108478 & 0.391038 & 0.697866 & 0.520909\end{array}$ $\begin{array}{llll}0.078621 & 0.416351 & 0.454281 & 0.578721\end{array}$ $\begin{array}{llllll}0.084047 & 0.327839 & 0.551684 & 0.541032\end{array}$ $\begin{array}{lllll}0.090689 & 0.344969 & 0.768355 & 0.718153\end{array}$ $\begin{array}{llll}0.085384 & 0.29482 & 0.750217 & 0.409055\end{array}$ $\begin{array}{lllll}0.073679 & 0.263221 & 0.579498 & 0.62424\end{array}$ $\begin{array}{llll}0.073099 & 0.320249 & 0.635172 & 0.417421\end{array}$ $\begin{array}{llrr}0.053004 & 0.298549 & 0.55278 & 0.553536 \\ 0.144452 & 0.399464 & 0.750494 & 0.646404\end{array}$ $\begin{array}{llll}0.144452 & 0.399464 & 0.750494 & 0.645404 \\ 0.147509 & 0.283438 & 0.542936 & 0.647094\end{array}$ $\begin{array}{lllll}0.123596 & 0.883438 & 0.542936 & 0.647094 \\ 0.624061 & 0.618997\end{array}$ $\begin{array}{lllll}0.079763 & 0.195689 & 0.486438 & 0.749942\end{array}$ $\begin{array}{lllll}0.123407 & 0.349928 & 0.458067 & 0.532548\end{array}$ $\begin{array}{lllll}0.087468 & 0.384601 & 0.45797 & 0.778764\end{array}$ $\begin{array}{llll}0.137182 & 0.330022 & 0.623682 & 0.826923\end{array}$ $\begin{array}{llll}0.104886 & 0.367212 & 0.947521 & 0.802826 \\ 0.1368\end{array}$ $\begin{array}{lllll}0.114237 & 0.277753 & 1.077965 & 0.422333 \\ 0\end{array}$ $\begin{array}{lllll}0.145731 & 0.306307 & 0.579653 & 0.759567\end{array}$ $\begin{array}{lllll}0.106197 & 0.323544 & 0.753855 & 0.664579\end{array}$ $\begin{array}{llllll}0.084714 & 0.292601 & 0.715029 & 0.664531\end{array}$ 0.0878470 .3046850 .7324390 .751661 $\begin{array}{llll}0.100183 & 0.266213 & 0.820922 & 0.675898\end{array}$ $\begin{array}{llll}0.081279 & 0.38997 & 0.949931 & 0.903547\end{array}$ $\begin{array}{llll}0.106233 & 0.302203 & 0.554148 & 0.747692 \\ 0\end{array}$ $\begin{array}{llll}0.113736 & 0.314435 & 0.756194 & 0.6886429\end{array}$ 0.1505040 .3406050 .8156540 .870402 $\begin{array}{llllll}0.127428 & 0.304201 & 0.691778 & 0.68899\end{array}$ $\begin{array}{lllllll}0.178187 & 0.359958 & 0.820624 & 0.721558\end{array}$ $\begin{array}{lllll}0.093498 & 0.339944 & 0.966806 & 0.850388\end{array}$ $\begin{array}{llll}0.193156 & 0.421763 & 1.188669 & 0.876418\end{array}$ $\begin{array}{llll}0.137766 & 0.333697 & 0.651909 & 0.709143 \\ 0.134618 & 0.270548 & 0.698365 & 0.635313\end{array}$ $\begin{array}{lllll}0.134618 & 0.270548 & 0.698365 & 0.635313 \\ 0.139768 & 0.38192 & 0.725671 & 0.63301\end{array}$ $\begin{array}{lllll}0.135768 & 0.38192 & 0.725671 & 0.63301 \\ 0.168121 & 0.36959 & 1.063112 & 1.243994\end{array}$ $\begin{array}{lllll}0.089243 & 0.260714 & 0.65309 & 0.663478\end{array}$ 0.1056030 .4238720 .8301331 .209013
$\begin{array}{lllllllllllllllllllll}1000 & 840.3494 & 0.000383 & 0.057415 & 0.065311 & 0.041154 & 3.623085 & 3.701606 & 0.02284\end{array}$ $\begin{array}{llllllll}1000 & 1061.045 & 0.003464 & 0.071077 & 0.066098 & 0.080807 & 4.369445 & 3.86114\end{array} 0.00032056$ $\begin{array}{lllllllll}1000 & 915.0597 & 0.00626 & 0.074844 & 0.058606 & 0.083265 & 3.64233 & 4.01798 & 0.004182 \\ 1000 & 805.2487 & 0.006299 & 0.073032 & 0.072776 & 0.078774 & 3.965154 & 4.079849 & 0.00511\end{array}$ $\begin{array}{llllllllll}1000 & 784.7264 & 0.005287 & 0.081616 & 0.038562 & 0.051922 & 3.565576 & 3.521751 & 0.002491\end{array}$ $\begin{array}{llllllllll}1000 & 756.2541 & 0.006085 & 0.069283 & 0.064254 & 0.052317 & 3.554549 & 3.031669 & 0.004628\end{array}$ $\begin{array}{lllllllll}1000 & 1049.136 & 0.00736 & 0.10402 & 0.105341 & 0.0838843 & 4.595381 & 4.58908 & 0.008994\end{array}$ $\begin{array}{lllllllll}1000 & 1161.497 & 0.009502 & 0.118106 & 0.084861 & 0.086822 & 5.308292 & 4.725501 & 0.0004299 \\ 1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3257185 & 3833038 & 0.005326\end{array}$ $\begin{array}{lllllllll}1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3.257185 & 3.843038 & 0.005326 \\ 1000 & 915.8291 & 0.007943 & 0.06993 & 0.080999 & 0.09036 & 3.835892 & 4.223846 & 0.008767\end{array}$ $\begin{array}{lllllllll}1000 & 915.8255 & 0.007943 & 0.06993 & 0.080999 & 0.09076 & 3.835892 & 4.223846 & 0.008767 \\ 1000 & 976.8455 & 0.006504 & 0.101866 & 0.111171 & 0.079777 & 4.056693 & 4.131008 & 0.006966\end{array}$ $\begin{array}{llllllllll}1000 & 971.1109 & 0.005599 & 0.08445 & 0.089356 & 0.116674 & 3.899515 & 4.132749 & 0.005256\end{array}$ $\begin{array}{lllllllllll}1000 & 973.9524 & -0.00144 & 0.086831 & 0.099975 & 0.109076 & 4.746058 & 4.634094 & 0.005601\end{array}$ $\begin{array}{llllllllll}1000 & 871.2542 & 0.005707 & 0.081617 & 0.084865 & 0.091767 & 3.795049 & 3.931069 & 0.007233\end{array}$ $\begin{array}{lllllllllll}1000 & 769.8815 & 0.004008 & 0.094897 & 0.095265 & 0.08589 & 3.483721 & 3.731971 & 0.007819\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1087.01 & 0.009351 & 0.105956 & 0.087468 & 0.09178 & 3.881985 & 4.113441 & 0.007455 \\ 1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459 \\ 1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184\end{array}$ $\begin{array}{lllllllll}1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184 \\ 1000 & 1585.812 & 0.006972 & 0.109793 & 0.06852 & 0.112331 & 4.166565 & 4.054399 & 0.009787\end{array}$ $\begin{array}{lllllllllll}1000 & 669.7533 & 0.003889 & 0.090898 & 0.116451 & 0.105854 & 2.96478 & 3.005759 & 0.005712\end{array}$ $\begin{array}{lllllllll}1000 & 722.1542 & 0.006213 & 0.085484 & 0.062338 & 0.05342 & 3.380033 & 3.485522 & 0.006747\end{array}$ $\begin{array}{llllllll}1000 & 1017.45 & 0.005019 & 0.101303 & 0.063221 & 0.101846 & 4.198801 & 4.232066 \\ 0.0066436\end{array}$ $\begin{array}{lllllllll}1000 & 906.6995 & 0.006856 & 0.09953 & 0.106006 & 0.069929 & 3.702846 & 3.632989 & 0.010907\end{array}$ $\begin{array}{lllllllll}1000 & 861.3421 & 0.005527 & 0.084509 & 0.066461 & 0.069574 & 3.752558 & 3.261971 & 0.008241 \\ 1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.833342 & 3.956222 & 3.876826 & 0.007955\end{array}$ $\begin{array}{llllllll}1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.083342 & 3.956222 & 3.876826 \\ 10.007955 \\ 1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3567666\end{array}$ $\begin{array}{lllllllll}1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3.567666 & 0.005449 \\ 1000 & 1259.153 & 0.004301 & 0.085981 & 0.087286 & 0.094481 & 3.458067 & 4.621623 & 0.015092\end{array}$ $\begin{array}{lllllllllllll}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 & 0.007901\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 \\ 1000 & 985.29 & 0.007489 & 0.103127 & 0.12244 & 0.07221 & 3.652008 & 4.124948 \\ 0.010544\end{array}$ $\begin{array}{lllllllll}1000 & 1271.157 & 0.006054 & 0.102386 & 0.078339 & 0.087798 & 4.565835 & 4.936716 & 0.006229\end{array}$ $\begin{array}{lllllllll}1000 & 889.0004 & 0.005434 & 0.082683 & 0.082401 & 0.0877293 & 3.660402 & 4.141533 & 0.0093\end{array}$ $\begin{array}{llllllll}1000 & 827.6853 & 0.006054 & 0.07305 & 0.044586 & 0.059788 & 3.706969 & 3.819392\end{array} 0.0058233$ $\begin{array}{llllllll}1000 & 937.2945 & 0.008042 & 0.089423 & 0.054419 & 0.076084 & 4.096222 & 4.000774 \\ 0 & 0.007859\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1045.96 & 0.00779 & 0.070455 & 0.012365 & 0.060733 & 3.767958 & 3.66603 & 0.008326 \\ 1000 & 1212.542 & 0.009489 & 0.128837 & 0.09987 & 0.11521 & 5.148501 & 5.335056 & 0.015803\end{array}$ $\begin{array}{llllllllll}1000 & 901.0016 & 0.014762 & 0.087171 & 0.0979896 & 0.088232 & 3.744692 & 4.508962 & 0.011239\end{array}$ $\begin{array}{lllllllllll}1000 & 1041.753 & 0.008453 & 0.11327 & 0.069254 & 0.093831 & 3.878469 & 4.182264 & 0.010704\end{array}$ $\begin{array}{llllllllll}1000 & 828.9609 & 0.014728 & 0.083868 & 0.050257 & 0.049656 & 3.704146 & 3.957295 & 0.008278\end{array}$ $\begin{array}{lllllllll}1000 & 826.2644 & 0.013427 & 0.0722 & 0.087942 & 0.079845 & 4.020759 & 5.231754 & 0.01009\end{array}$ $\begin{array}{llllllllll}1000 & 1081.572 & 0.010193 & 0.106454 & 0.052125 & 0.077991 & 5.717274 & 4.325932 & 0.008534\end{array}$ $\begin{array}{lllllllll}1000 & 1158.809 & 0.012329 & 0.084835 & 0.098576 & 0.084475 & 4.699481 & 4.742884 & 0.01379\end{array}$ $\begin{array}{lllllllll}1000 & 988.9078 & 0.016678 & 0.074627 & 0.062399 & 0.080076 & 6.240697 & 5.281331 & 0.018293 \\ 1000 & 922.5537 & 0.009058 & 0.081265 & 0.041477 & 0.080484 & 3.695352 & 4.154507 & 0.004968\end{array}$
 $\begin{array}{lllllllll}1000 & 817.0579 & 0.010624 & 0.079742 & 0.089864 & 0.093718 & 4.073043 & 4.311346 & 0.008384\end{array}$ $\begin{array}{llllllllll}1000 & 1084.49 & 0.016402 & 0.072996 & 0.12106 & 0.079598 & 5.571624 & 4.230026 & 0.013644\end{array}$ $\begin{array}{llllllllll}1000 & 939.1421 & 0.011518 & 0.081843 & 0.087007 & 0.078445 & 3.872192 & 4.045657 & 0.014806\end{array}$ $\begin{array}{lllllllll}1000 & 1353.304 & 0.016413 & 0.128761 & 0.105702 & 0.121684 & 4.541174 & 5.740499 & 0.009451\end{array}$ $\begin{array}{llllllll}1000 & 8933.2644 & 0.012123 & 0.08505 & 0.090183 & 0.088859 & 3.445699 & 4.225009\end{array} 0.009967$ $\begin{array}{lllllllll}1000 & 812.2482 & 0.019665 & 0.11235 & 0.166888 & 0.121277 & 5.145005 & 4.401694 & 0.011258 \\ 1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055\end{array}$ $\begin{array}{lllllllll}1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055 \\ 1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158\end{array}$ $\begin{array}{lllllllll}1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158 \\ 1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876\end{array}$ $\begin{array}{lllllllll}1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876 \\ 1000 & 1422.214 & 0.029031 & 0.108416 & 0.142051 & 0.06573 & 4.848992 & 4.701888 & 0.020098\end{array}$ $\begin{array}{lllllllll}1000 & 1164.626 & 0.022369 & 0.118601 & 0.113708 & 0.120797 & 5.004748 & 5.414754 & 0.021783\end{array}$ $1000959.44930 .0276850 .1313640 .1294490 .1445655 . .9836945 .02498600 .019703$ $\begin{array}{lllllllll}1000 & 951.8791 & 0.022156 & 0.119238 & 0.096977 & 0.090578 & 4.009289 & 4.906479 & 0.013452 \\ 1000 & 1544424 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 665097 & 6.051457 & 0.012161\end{array}$ $\begin{array}{lllllllll}1000 & 1544.224 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 6.650997 & 6.051457 & 0.016161 \\ 1000 & 1034.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255\end{array}$ $\begin{array}{lllllllll}1000 & 10344.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255 \\ 1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863\end{array}$ $\begin{array}{lllllllll}1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863 \\ 1000 & 1007.007 & 0.024715 & 0.148499 & 0.159922 & 0.137078 & 5.169488 & 5.274469 & 0.011108\end{array}$ $\begin{array}{llllllllll}1000 & 995.3571 & 0.025366 & 0.157365 & 0.174694 & 0.157017 & 4.912779 & 5.573006 & 0.021975\end{array}$
 $\begin{array}{lllllllll}1000 & 1114.484 & 0.020506 & 0.15558 & 0.141491 & 0.13104 & 4.796965 & 5.131221 & 0.013824\end{array}$



| 0.070166 | 0.305322 | 0.637478 | 0.560187 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.100958 & 0.226672 & 0.62193 & 0.506074 \\ 0.115944 & 0.310525 & 0.659577 & 0.540391\end{array}$ $\begin{array}{llllll}0.172416 & 0.335122 & 0.646864 & 1.125561\end{array}$ $\begin{array}{llllll}0.099547 & 0.352427 & 1.232759 & 0.582476\end{array}$ $\begin{array}{llll}0.111246 & 0.268509 & 0.6444 & 0.73459\end{array}$ $\begin{array}{llll}0.081824 & 0.257021 & 0.682069 & 0.545541\end{array}$ $\begin{array}{llll}0.163624 & 0.323026 & 1.314208 & 0.644711\end{array}$ | 0.138836 | 0.279715 | 0.644183 | 0.74108 |
| :--- | :--- | :--- | :--- | $\begin{array}{llllll}0.206464 & 0.37894 & 0.803536 & 0.701444\end{array}$ $\begin{array}{llllll}0.178885 & 0.310916 & 0.797606 & 0.655694\end{array}$ $\begin{array}{llllll}0.169601 & 0.293206 & 0.892304 & 1.003422\end{array}$ $\begin{array}{lllllll}0.155052 & 0.366755 & 0.751608 & 0.758993\end{array}$ $\begin{array}{lllll}0.168676 & 0.375786 & 0.92122 & 1.088639\end{array}$ $\begin{array}{llll}0.174344 & 0.365233 & 0.870116 & 0.854656 \\ 0\end{array}$ $\begin{array}{llll}0.116114 & 0.211242 & 0.475684 & 0.51968\end{array}$ $\begin{array}{llll}0.166645 & 0.279274 & 0.693826 & 0.663499\end{array}$ 0.1875490 .2205240 .5220230 .794646 $\begin{array}{llllllll}0.265234 & 0.303693 & 0.819364 & 0.883433\end{array}$ $\begin{array}{lllll}0.269457 & 0.4522 & 1.031794 & 0.804736\end{array}$ 0.2835050 .2551730 .5405590 .850332 0.334958 0.340213 1.0999190 .892129 $\begin{array}{lllll}0.338785 & 0.441416 & 0.642605 & 0.562222\end{array}$ |  | 287615 | 0.307697 | 0.596099 | 0.507654 |
| :--- | :--- | :--- | :--- | :--- |
| .307946 | 0.360825 | 0.767901 | 0.791306 |  | $\begin{array}{lllll}0.227217 & 0.28317 & 1.077618 & 0.586499\end{array}$ $\begin{array}{llllll}0.224559 & 0.309 & 0.7441 & 0.553485\end{array}$ $\begin{array}{lllllll}0.231673 & 0.395289 & 0.779906 & 0.692405\end{array}$ 0.2652540 .3001110 .8441420 .952458 $\begin{array}{llll}0.312394 & 0.272555 & 0.650304 & 0.74038\end{array}$ 0.2146570 .2710260 .6628730 .9884355 $\begin{array}{lllll}0.349373 & 0.453222 & 1.092683 & 0.562615 \\ 0.443746 & 0.297024 & 0521814 & 0.69563\end{array}$ $\begin{array}{lllllllllll}0.347795 & 0.330737 & 0.767845 & 0.703116\end{array}$ $\begin{array}{lllll}0.31625 & 0.314294 & 1.262569 & 0.606719\end{array}$ $0.3199580 .272254 \quad 0.5002270 .562796$ $\begin{array}{llllll}0.352653 & 0.479601 & 1.072193 & 0.729182\end{array}$ $\begin{array}{llllll}0.429886 & 0.406837 & 0.632348 & 0.739743\end{array}$ $\begin{array}{lllll}0.330311 & 0.241416 & 0.906729 & 0.432265\end{array}$ 0.3694220 .3782990 .6173730 .675375 $\begin{array}{lllll}0.697981 & 0.341515 & 0.787835 & 0.662748\end{array}$ $\begin{array}{lllll}0.698007 & 0.323434 & 0.983805 & 0.74301\end{array}$ $\begin{array}{llllll}0.591063 & 0.414227 & 0.931748 & 0.696604\end{array}$ $\begin{array}{llllll}0.412555 & 0.393621 & 0.962502 & 0.70071\end{array}$ $\begin{array}{llll}0.2765 & 0.176714 & 0.464528 & 0.392168\end{array}$ 0.4183840 .31501600 .661350 .667308 $\begin{array}{llll}0.450904 & 0.405787 & 0.691612 & 0.672456\end{array}$ | 0.681547 | 0.458542 | 0.989446 | 1.00428 |
| :--- | :--- | :--- | :--- | :--- |
| .491515 | 0.334784 | 0.7966 | 0.586402 | $\begin{array}{llllll}0.522275 & 0.307988 & 0.790515 & 0.688409\end{array}$ 0.4619550 .3715720 .5989010 .828593 $\begin{array}{lllll}0.634461 & 0.366599 & 1.150138 & 1.463936\end{array}$ $\begin{array}{lllll}0.390051 & 0.316154 & 1.093359 & 0.92177\end{array}$ $\begin{array}{lllll}0.343635 & 0.245675 & 0.911538 & 0.538728\end{array}$ 0.4043940 .3121070 .61399900 .910773 | 0.373739 | 0.333742 | 1.115637 | 0.790886 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.393276 & 0.323386 & 0.971754 & 0.74599\end{array}$ $\begin{array}{lllll}0.325921 & 0.288428 & 0.42655 & 0.754845\end{array}$ $0.217109 \quad 0.2196750 .5015150 .394959$ $\begin{array}{lllll}0.338486 & 0.299064 & 0.79133 & 0.630918\end{array}$

$\begin{array}{lllllllll}1000 & 615.1407 & 0.005173 & 0.104665 & 0.115842 & 0.078526 & 3.261963 & 2.816708 & 0.008105\end{array}$ $\begin{array}{llllllll}1000 & 683.0143 & 0.014714 & 0.119487 & 0.141533 & 0.088757 & 3.600766 & 3.935939\end{array} 0.0009161$ $\begin{array}{lllllllll} & 1000 & 933.9332 & 0.010152 & 0.123231 & 0.094411 & 0.112329 & 3.34186 & 3.803757 \\ 1 & 0.0182 & 0.148082 & 0.145249 & 0.132783 & 4.66348 & 4.729982 & 0.01893\end{array}$ $\begin{array}{llllllllll}1000 & 1265.707 & 0.015255 & 0.125145 & 0.111909 & 0.092234 & 4.12627 & 4.686623 & 0.013789\end{array}$ $\begin{array}{lllllllll}1000 & 896.5135 & 0.013821 & 0.10678 & 0.0799911 & 0.10356 & 4.525468 & 5.297169 & 0.009909\end{array}$ $\begin{array}{lllllllll}1000 & 988.4561 & 0.01062 & 0.092842 & 0.089699 & 0.105178 & 4.011247 & 3.519359 & 0.011103 \\ 1000 & 1071.182 & 0.015113 & 0.135812 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167\end{array}$ $\begin{array}{lllllllll}1000 & 1071.182 & 0.015113 & 0.135512 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167 \\ 1000 & 924.7046 & 0.012635 & 0.144089 & 0.113338 & 0.082656 & 4.409304 & 3.874484 & 0.013439\end{array}$ $\begin{array}{lllllllll}1000 & 924.7046 & 0.012635 & 0.144089 & 0.103382 & 0.082656 & 4.409304 & 3.874484 & 0.013439 \\ 1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367\end{array}$ $\begin{array}{lllllllll}1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367 \\ 1000 & 1059.863 & 0.020231 & 0.201989 & 0.159248 & 0.175889 & 5.807578 & 4.945245 & 0.016828\end{array}$ $\begin{array}{lllllllllll}1000 & 805.272 & 0.013576 & 0.177161 & 0.107854 & 0.162546 & 4.801086 & 5.286248 & 0.01572\end{array}$ $\begin{array}{lllllllll}1000 & 999.8509 & 0.012219 & 0.145906 & 0.139009 & 0.138671 & 5.838568 & 4.411256 & 0.014307\end{array}$ $\begin{array}{lllllllll}1000 & 1030.448 & 0.015548 & 0.247645 & 0.155392 & 0.129167 & 5.398257 & 5.121953 & 0.011358\end{array}$ $\begin{array}{lllllllll}1000 & 994.0685 & 0.015578 & 0.162133 & 0.110847 & 0.125339 & 5.013065 & 4.599762 & 0.009997\end{array}$ $\begin{array}{lllllllll}1000 & 1042.028 & 0.015345 & 0.138331 & 0.117631 & 0.13371 & 4.382344 & 4.740095 & 0.013697\end{array}$ $\begin{array}{lllllllll}1000 & 1104.708 & 0.024211 & 0.133994 & 0.119808 & 0.091304 & 3.769654 & 3.533041 & 0.007442 \\ 1000 & 7197501\end{array}$ $\begin{array}{lllllllll}1000 & 719.7501 & 0.017032 & 0.152678 & 0.090131 & 0.132934 & 3.511273 & 3.788978 & 0.012755 \\ 1000 & 919.0552 & 0.017138 & 0.154127 & 0.121875 & 0.136508 & 4.320497 & 4.051453 & 0.01147\end{array}$ $\begin{array}{llllllllll}1000 & 1011.449 & 0.016863 & 0.172207 & 0.140587 & 0.119742 & 4.483319 & 4.10234 & 0.014101\end{array}$ $\begin{array}{llllllllll}1000 & 1089.502 & 0.017473 & 0.197778 & 0.193182 & 0.179687 & 4.260298 & 5.005731 & 0.00847\end{array}$ $\begin{array}{lllllllll}1000 & 1539.157 & 0.027772 & 0.251749 & 0.159774 & 0.220271 & 6.661555 & 5.459224 & 0.014243\end{array}$ $\begin{array}{lllllllll}1000 & 1000.147 & 0.018395 & 0.131447 & 0.130495 & 0.152198 & 6.005535 & 4.082518 & 0.0099704\end{array}$ $\begin{array}{llllllll}1000 & 888.9333 & 0.020262 & 0.15559 & 0.154505 & 0.135922 & 4.878716 & 4.762051\end{array} 0.0011244$ $\begin{array}{lllllllll}1000 & 998.5492 & 0.016868 & 0.175857 & 0.171536 & 0.152994 & 5.762313 & 5.255829 & 0.017725 \\ 1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648 \\ 1000 & 1074.347 & 0.014231 & 0.194372 & 0.101931 & 0.13507 & 5.949344 & 5.470627 & 0.019815\end{array}$ $\begin{array}{lllllllll}1000 & 1074.344 & 0.014231 & 0.194372 & 0.101931 & 0.13550 & 5.949344 & 5.470627 & 0.019815 \\ 1000 & 1551.844 & 0.017482 & 0.148345 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067\end{array}$ $\begin{array}{lllllllll}1000 & 15551.844 & 0.017482 & 0.14834 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067 \\ 1000 & 762.7059 & 0.00497 & 0.136231 & 0.0868444 & 0.122142 & 3.976746 & 3.746443 & 0.018388\end{array}$ $\begin{array}{lllllllll}1000 & 1077.447 & 0.013965 & 0.144608 & 0.180014 & 0.172167 & 4.426677 & 5.397274 & 0.017564\end{array}$ $\begin{array}{lllllllll}1000 & 1610.395 & 0.012975 & 0.187498 & 0.200675 & 0.126143 & 5.265085 & 5.119423 & 0.015833\end{array}$ $\begin{array}{lllllllll}1000 & 957.072 & 0.00963 & 0.123634 & 0.117203 & 0.118485 & 4.225857 & 3.810033 & 0.005605 \\ 1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919\end{array}$ $\begin{array}{lllllllll}1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919 \\ 1000 & 912.3527 & 0.009288 & 0.125501\end{array}$ $\begin{array}{llllllll}1000 & 912.3527 & 0.009288 & 0.125901 & 0.157881 & 0.130141 & 5.596311 & 5.064982\end{array} 0.017264$ $\begin{array}{lllllllll}1000 & 958.6201 & 0.007594 & 0.11839 & 0.171514 & 0.091561 & 5.01051 & 6.253751 & 0.012992\end{array}$ $\begin{array}{llllllllll}1000 & 1241.856 & 0.014024 & 0.134731 & 0.082505 & 0.090642 & 4.70376 & 4.510542 & 0.0010225\end{array}$ $\begin{array}{lllllllll}1000 & 723.9128 & 0.009811 & 0.084709 & 0.081842 & 0.107166 & 3.454398 & 3.45261 & 0.010362\end{array}$ $\begin{array}{lllllllll}1000 & 1036.759 & 0.013993 & 0.157663 & 0.168107 & 0.142096 & 5.859936 & 5.913273 & 0.015794\end{array}$ $\begin{array}{lllllllll}1000 & 1109.802 & 0.012283 & 0.175961 & 0.160656 & 0.128161 & 6.304868 & 5.169573 & 0.024931\end{array}$ $\begin{array}{lllllllll}1000 & 657.6888 & 0.008552 & 0.091616 & 0.097976 & 0.090784 & 4.07463 & 3.426213 & 0.010591 \\ 1000 & 7688.0823 & 0.014598 & 0.124463 & 0.153391 & 0.123681 & 4.325913 & 4.363612 & 0.013937\end{array}$ $\begin{array}{lllllllll}1000 & 768.0823 & 0.014598 & 0.124463 & 0.135391 & 0.123681 & 4.325913 & 4.366312 & 0.013937 \\ 1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806\end{array}$ $\begin{array}{lllllllll}1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806 \\ 1000 & 1015.129 & 0.017444 & 0.168599 & 0.085281 & 0.151438 & 4.892969 & 4.977255 & 0.020033\end{array}$ $\begin{array}{llllllllll}1000 & 1042.995 & 0.017137 & 0.168141 & 0.124127 & 0.126052 & 6.570883 & 5.973721 & 0.023642\end{array}$ $\begin{array}{lllllllll}1000 & 1081.528 & 0.017307 & 0.167908 & 0.114921 & 0.144144 & 5.910046 & 5.37411 & 0.0250991\end{array}$ $\begin{array}{lllllllll}1000 & 1158.966 & 0.010766 & 0.112212 & 0.095421 & 0.161049 & 4.138073 & 4.162919 & 0.012081\end{array}$ $\begin{array}{lllllllll}1000 & 521.8401 & 0.006478 & 0.084265 & 0.048416 & 0.061202 & 3.485362 & 4.318165 & 0.006773\end{array}$
 $\begin{array}{lllllllll}1000 & 1088.286 & 0.016968 & 0.140386 & 0.140649 & 0.124633 & 4.208166 & 4.632637 & 0.013193 \\ 1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501\end{array}$ $\begin{array}{lllllllll}1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501 \\ 1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 & 0.010625\end{array}$ $\begin{array}{llllllll}1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 \\ 1000 & 1214.488 & 0.021718 & 0.150671 & 0.13987 & 0.134859 & 4.319282 & 6.4252562 \\ 0.013424\end{array}$ $\begin{array}{llllllllll}1000 & 802.9925 & 0.012888 & 0.177304 & 0.12102 & 0.181405 & 4.622962 & 6.875247 & 0.020082\end{array}$ $\begin{array}{llllllllll}1000 & 1099.036 & 0.019158 & 0.170134 & 0.191411 & 0.16688 & 6.990077 & 5.074537 & 0.014335\end{array}$ $\begin{array}{lllllllll}1000 & 1447.803 & 0.016753 & 0.194759 & 0.188431 & 0.19061 & 6.788696 & 5.378928 & 0.026424\end{array}$ $\begin{array}{llllllllll}1000 & 866.7119 & 0.010962 & 0.114482 & 0.131219 & 0.122075 & 4.126844 & 3.781339 & 0.015625\end{array}$ $\begin{array}{lllllllll}1000 & 1285.837 & 0.016288 & 0.165102 & 0.18294 & 0.170753 & 4.655373 & 4.964436 & 0.019492\end{array}$ $\begin{array}{lllllllll}1000 & 850.7799 & 0.011107 & 0.176048 & 0.076377 & 0.154675 & 7.740666 & 5.513382 & 0.023468 \\ 1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.118826 & 6.777419 & 8.988642 & 0.024539\end{array}$ $\begin{array}{lllllllll}1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.178826 & 6.777419 & 8.988642 & 0.024539 \\ 1000 & 1125.395 & 0.009553 & 0.122341 & 0.128397 & 0.088883 & 5.384903 & 7.337034 & 0.020506\end{array}$ $\begin{array}{llllllllll}1000 & 639.4741 & 0.010489 & 0.114665 & 0.150231 & 0.095226 & 3.497213 & 4.559818 & 0.012779\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 762.3578 & 0.004854 & 0.105552 & 0.138384 & 0.082832 & 3.191831 & 3.345072 & 0.016113\end{array}$ $\begin{array}{llllllllll}1000 & 1000.711 & 0.009602 & 0.107549 & 0.185285 & 0.109455 & 4.381901 & 4.679184 & 0.013129\end{array}$


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$\begin{array}{lllll}0.405687 & 0.386892 & 1.15372 & 0.824328\end{array}$ $\begin{array}{llll}0.405687 & 0.386892 & 1.15372 & 0.824328 \\ 0.254905 & 0.324564 & 0.653603 & 0.768255 \\ & 0.377645 & 0.45 & 0.563\end{array}$ $\begin{array}{lllll}0.326498 & 0.420208 & 0.75263 & 0.574703\end{array}$ $\begin{array}{lllll}0.306806 & 0.440424 & 0.923341 & 0.963292\end{array}$ $\begin{array}{lllll}0.219761 & 0.33841 & 0.728601 & 0.746664\end{array}$ $\begin{array}{lllll}0.129884 & 0.307047 & 0.446992 & 0.477489\end{array}$ $\begin{array}{llll}0.163412 & 0.252977 \\ 0.55727878 & 0.621452\end{array}$ $\begin{array}{lllll}0.257217 & 0.359565 & 0.61576 & 1.348487 \\ & 0.2023 & 0.262589 & 0.761777 & 0.961287\end{array}$ $\begin{array}{llllll}0.339326 & 0.450002 & 0.650281 & 0.766609\end{array}$ $\begin{array}{llllll}0.321392 & 0.343236 & 0.779336 & 0.756268\end{array}$ $\begin{array}{lllll}0.328481 & 0.349371 & 0.80745 & 0.708801\end{array}$ $\begin{array}{llllll}0.279806 & 0.403248 & 0.834258 & 0.610594\end{array}$ $\begin{array}{lllll}0.418049 & 0.329833 & 0.663175 & 0.613753\end{array}$ $\begin{array}{lllll}0.210771 & 0.222184 & 0.540472 & 0.540489\end{array}$ $\begin{array}{llll}0.255822 & 0.444036 & 0.625497 & 2.287415 \\ & 0.27198\end{array}$ $\begin{array}{lllll}0.21988 \\ 0.223117 & 0.36795 & 1.143577 & 0.8348655\end{array}$ 0.1281020 .2129030 .4526720 .556213 $\begin{array}{lllll}0.149937 & 0.275508 & 0.927598 & 0.919326\end{array}$ $\begin{array}{llll}0.093123 & 0.270913 & 0.850573 & 0.556849\end{array}$ $\begin{array}{llllll}0.168277 & 0.303743 & 0.773384 & 0.493693\end{array}$ $\begin{array}{lllll}0.119381 & 0.375062 & 0.720864 & 0.806443\end{array}$ $\begin{array}{llll}0.193045 & 0.398649 & 1.21424 & 1.002309\end{array}$ $\begin{array}{lllll}0.14185 & 0.405361 & 1.016439 & 0.907663 \\ 0.150461 & 0.315199 & 0.581857 & 0.788913\end{array}$ $\begin{array}{lllll}0.126206 & 0.365832 & 1.546331 & 0.758583 \\ 0.126813\end{array}$ $\begin{array}{lllll}0.074547 & 0.358222 & 0.91506 & 0.751424\end{array}$ $\begin{array}{llll}0.092751 & 0.285655 & 0.903391 & 0.707807\end{array}$ $\begin{array}{lllll}0.229485 & 0.545259 & 0.837998 & 0.847867\end{array}$ $\begin{array}{llll}0.347049 & 0.365594 & 0.814738 & 0.699417 \\ 0.0187053 & 0.295857\end{array}$ $\begin{array}{llll}0.187053 & 0.296857 & 1.120547 & 0.662537\end{array}$ $\begin{array}{llll}0.355304 & 0.482304 & 1.617459 & 1.671062 \\ 0.299733 & 0.420282 & 1.287999 & 0.666375\end{array}$ $\begin{array}{lllll}0.375853 & 0.33679 & 0.851748 & 1.046033\end{array}$ $\begin{array}{lllll}0.307724 & 0.528537 & 0.856405 & 1.062011\end{array}$ $\begin{array}{lllll}0.265932 & 0.445146 & 0.810333 & 0.59214\end{array}$ $\begin{array}{llll}0.300383 & 0.308261 & 1.084016 & 0.690203\end{array}$ $\begin{array}{llll}0.241777 & 0.330983 & 0.927533 & 0.73873\end{array}$ $\begin{array}{llll}0.213897 & 0.362781 & 0.650527 & 0.883652\end{array}$ $\begin{array}{llll}0.236495 & 0.355602 & 0.92921 & 1.162252 \\ 0.279628 & 0.589427 & 1.556525 & 0.796985\end{array}$ $\begin{array}{lllll}0.279628 & 0.589427 & 1.556525 & 0.796985 \\ 0.357886 & 0.45674 & 1.253068 & 0.94343\end{array}$ $\begin{array}{llll}0.248151 & 0.422981 & 0.900983 & 1.185943\end{array}$ $\begin{array}{llll}0.230579 & 0.418428 & 0.975372 & 1.10013\end{array}$ 0.3079780 .4997640 .6807140 .927593 $\begin{array}{lllll}0.299619 & 0.454852 & 1.127011 & 0.675554\end{array}$ $\begin{array}{lllll}0.419069 & 0.396086 & 0.781791 & 0.676771\end{array}$ $\begin{array}{llll}0.533663 & 0.412949 & 1.011379 & 0.720694\end{array}$ $\begin{array}{lllll}0.26172 & 0.427589 & 0.730171 & 0.751385 \\ 0.27719 & 0.375524 & 0.783687 & 0.693326\end{array}$ $\begin{array}{lllll}0.213461 & 0.351117 & 0.65426 & 0.572119\end{array}$ $\begin{array}{lllll}0.35723 & 0.430449 & 0.817973 & 0.685635\end{array}$ $\begin{array}{lllll}0.205824 & 0.336146 & 1.263542 & 0.794692\end{array}$ $\begin{array}{lllll}0.188362 & 0.282918 & 0.759685 & 0.913846\end{array}$ $\begin{array}{llll}0.25332 & 0.463461 & 0.809973 & 0.779689\end{array}$ | 0.21322 | 0.36927 | 0.79205 | 0.64039 |
| :--- | :--- | :--- | :--- |
| 0.15824 | 0.3107 |  |  | $\begin{array}{llll}0.168424 & 0.31107 & 0.616793 & 0.563946 \\ 0.195126 & 0.439694 & 0.657592 & 0.964206\end{array}$ $\begin{array}{lllll}0.154588 & 0.325809 & 0.75316 & 0.576467\end{array}$ $\begin{array}{lllll}0.289561 & 0.411948 & 1.040791 & 1.232496\end{array}$ $\begin{array}{llllll}0.221283 & 0.37144 & 0.713211 & 0.69551\end{array}$ 0.1871180 .3661720 .6396760 .883783


$\begin{array}{llllllllll}1000 & 1396.953 & 0.008293 & 0.148664 & 0.137964 & 0.122325 & 5.673182 & 5.963023 & 0.018599\end{array}$ $\begin{array}{lllllllll}100 & 793.7691 & 0.007095 & 0.1116348 & 0.171728 & 0.104937 & 4.877611 & 6.960961 & 0.01263 \\ 1000 & 968.4998 & 0.004942 & 0.13074 & 0.11244 & 0.132204 & 3.861344 & 4.720961 & 0.01529\end{array}$ $\begin{array}{lllllllll}1000 & 968.4498 & 0.004942 & 0.136074 & 0.111244 & 0.132204 & 3.861344 & 4.720961 & 0.015297 \\ 1000 & 1100.307 & 0.002963 & 0.135981 & 0.142341 & 0.169841 & 5.220472 & 6.180301 & 0.026145\end{array}$ $\begin{array}{lllllllll}1000 & 1370.139 & 0.008287 & 0.179396 & 0.157621 & 0.178305 & 5.202132 & 5.672738 & 0.019261\end{array}$ $\begin{array}{llllllllll}1000 & 1353.605 & 0.01027 & 0.166082 & 0.196931 & 0.151571 & 5.622929 & 4.885601 & 0.016327\end{array}$ $\begin{array}{lllllllll}1000 & 676.3096 & 0.004639 & 0.1234 & 0.071031 & 0.116079 & 2.987049 & 3.331499 & 0.01233\end{array}$ $\begin{array}{lllllllll}1000 & 684.8687 & 0.004842 & 0.101404 & 0.112086 & 0.108069 & 3.633289 & 3.9304949 & 0.012021 \\ 1000 & 1349.403 & 0.002964 & 0.170346 & 0.164263 & 0.119742 & 6.413787 & 5.289474 & 0.015061\end{array}$ | 1000 | 1349.403 | 0.002964 | 0.170346 | 0.164263 | 0.169742 | 6.413787 | 5.284974 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1152.06 | 0.006012061 | 0.136182 | 0.134198 | 0.117067 | 4.798683 | 5.563818 | $\begin{array}{lllllllll}1000 & 1452.05 & 0.006012 & 0.136182 & 0.134198 & 0.11706 & 4.798683 & 5.563818 & 0.019159 \\ 1000 & 1423.257 & 0.009892 & 0.157379 & 0.11423 & 0.146738 & 4.850453 & 4.691174 & 0.016084\end{array}$ $\begin{array}{llllllllll}1000 & 1500.697 & 0.007537 & 0.13057 & 0.171945 & 0.131478 & 5.134288 & 4.951768 & 0.014899\end{array}$ $\begin{array}{lllllllll}1000 & 1500.657 & 0.007737 & 0.13057 & 0.117934 & 0.131448 & 5.134288 & 4.951768 & 0.014899 \\ 1000 & 1104.585 & 0.007528 & 0.110404 & 0.097738 & 0.109681 & 5.120284 & 4.585277 & 0.013557\end{array}$ $\begin{array}{lllllllll}1000 & 11045.5353 & 0.01241 & 0.137954 & 0.094807 & 0.106331 & 4.962931 & 5.4955731 & 0.0092857 \\ 1000 & 1085 & 0.120857\end{array}$ $\begin{array}{lllllllll}1000 & 1307.403 & 0.011073 & 0.128277 & 0.157221 & 0.110298 & 5.048947 & 5.510477 & 0.016532\end{array}$ $\begin{array}{llllllllll}1000 & 857.1596 & 0.008069 & 0.110863 & 0.099876 & 0.132145 & 4.394766 & 4.106075 & 0.009544\end{array}$ $\begin{array}{lllllllll}1000 & 871.2658 & 0.008775 & 0.148424 & 0.163926 & 0.126874 & 5.555129 & 4.962407 & 0.023431 \\ 1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834 \\ 1000 & 1077.99 & 0.016428 & 0.198821 & 0.215849 & 0.194705 & 5.1344 & 5.690352 & 0.01654\end{array}$ $\begin{array}{lllllllllllll}1000 & 580.8152 & 0.011281 & 0.133371 & 0.089107 & 0.123339 & 4.378684 & 3.56751 & 0.010478\end{array}$ $\begin{array}{lllllllll}1000 & 790.3351 & 0.010665 & 0.160248 & 0.157756 & 0.163659 & 5.701389 & 4.086713 & 0.02173\end{array}$ $\begin{array}{lllllllll}1000 & 524.165 & 0.010432 & 0.148467 & 0.087688 & 0.10329 & 3.470764 & 3.370482 & 0.009207\end{array}$ $\begin{array}{lllllllll}1000 & 866.3908 & 0.01401 & 0.165108 & 0.189257 & 0.175216 & 3.628515 & 3.174641 & 0.015814\end{array}$ $\begin{array}{lllllllll}1000 & 1054.802 & 0.013551 & 0.130551 & 0.118246 & 0.140189 & 4.411737 & 5.020302 & 0.01316 \\ 1000 & 1337326 & 017093 & 0.107956 & 0.10563 & 0.14469 & 5302916 & 5.230873 & 0.015513\end{array}$ $\begin{array}{lllllllll}1000 & 1337.326 & 0.017093 & 0.207956 & 0.105633 & 0.144696 & 5.302916 & 5.230873 & 0.015513 \\ 1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605\end{array}$ $\begin{array}{lllllllll}1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605 \\ 1000 & 824.1597 & 0.005494 & 0.14539 & 0.101517 & 0.099527 & 4.242573 & 3.941077 & 0.012853\end{array}$ $\begin{array}{llllllllllll}1000 & 891.1662 & 0.006204 & 0.152089 & 0.142353 & 0.132167 & 4.385448 & 5.096825 & 0.016489\end{array}$ $\begin{array}{llllllllll}1000 & 947.4673 & 0.005252 & 0.187601 & 0.155194 & 0.173242 & 4.544169 & 4.154008 & 0.016336\end{array}$ $\begin{array}{llllllllll}1000 & 1182.27 & 0.008025 & 0.183056 & 0.143877 & 0.157736 & 4.071976 & 4.444731 & 0.010207\end{array}$ $\begin{array}{lllllllll}1000 & 1090.319 & 0.006033 & 0.168922 & 0.232359 & 0.172156 & 5.64255 & 5.252416 & 0.021547\end{array}$ $\begin{array}{lllllllll}1000 & 1046.382 & 0.011817 & 0.165942 & 0.125884 & 0.159817 & 6.115659 & 6.017204 & 0.011237 \\ 1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5020828 & 4.34651 & 0.00865\end{array}$ $\begin{array}{llllllll}1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5.029828 & 4.348651\end{array} 0.009865$ $\begin{array}{llllllll}1000 & 910.5936 & 0.008477 & 0.126121 & 0.208892 & 0.153797 & 5.280407 & 5.271385 \\ 1000 & 894.2576 & 0.012416 & 0.155286 & 0.167415 & 0.09872 & 5.384546 & 4.599106 \\ 0.010837\end{array}$ $\begin{array}{llllllllll}1000 & 1161.576 & 0.021837 & 0.165211 & 0.204631 & 0.153049 & 5.502131 & 6.942604 & 0.0155\end{array}$ $\begin{array}{llllllllll}1000 & 1196.84 & 0.00853 & 0.180528 & 0.174252 & 0.148296 & 6.423038 & 7.013416 & 0.016399\end{array}$ $\begin{array}{llllllllll}1000 & 1286.995 & 0.015045 & 0.138015 & 0.133477 & 0.139397 & 5.365532 & 4.566677 & 0.011531\end{array}$ $\begin{array}{llllllllll}1000 & 699.1323 & 0.013264 & 0.129587 & 0.136581 & 0.098161 & 4.70075 & 4.860768 & 0.014294\end{array}$ $\begin{array}{lllllllll}1000 & 836.5271 & 0.018104 & 0.15773 & 0.129594 & 0.134831 & 4.448758 & 5.676407 & 0.009528\end{array}$ $\begin{array}{lllllllll}1000 & 772.0621 & 0.013847 & 0.123137 & 0.094693 & 0.109373 & 4.020572 & 3.621689 & 0.017393 \\ 1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 565793 & 8.294556 & 0.019131\end{array}$ $\begin{array}{lllllllll}1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 5.65793 & 8.294556 & 0.019131 \\ 1000 & 923.4622 & 0.01562 & 0.266229 & 0.336533 & 0.265697 & 7.073136 & 5.926424 & 0.019974\end{array}$ $\begin{array}{lllllllllll}1000 & 1017.646 & 0.020249 & 0.312863 & 0.27448 & 0.305615 & 7.498768 & 6.780234 & 0.0277708\end{array}$ $\begin{array}{lllllllllllll}1000 & 906.3254 & 0.018548 & 0.297953 & 0.227418 & 0.227408 & 5.66481 & 6.445643 & 0.022894\end{array}$ $\begin{array}{lllllllll}1000 & 1323.342 & 0.019382 & 0.166497 & 0.14989 & 0.153628 & 5.002878 & 4.530529 & 0.016203\end{array}$ $\begin{array}{lllllllll}1000 & 1118.386 & 0.010922 & 0.202227 & 0.160065 & 0.124908 & 5.352393 & 4.782177 & 0.014607\end{array}$ $\begin{array}{lllllllll}1000 & 1162.582 & 0.014096 & 0.175622 & 0.087728 & 0.106742 & 6.380501 & 5.185586 & 0.014373\end{array}$ $\begin{array}{llllllll}1000 & 887.0313 & 0.00773 & 0.100769 & 0.109567 & 0.120941 & 6.165185 & 4.693691 \\ 10.011273\end{array}$ $\begin{array}{lllllllll}1000 & 11771.926 & 0.017691 & 0.136582 & 0.121923 & 0.203328 & 7.656832 & 5.460789 & 0.012244\end{array}$ $\begin{array}{lllllllll}1000 & 918.2899 & 0.010107 & 0.155428 & 0.094538 & 0.104246 & 6.098693 & 5.310121 & 0.013884 \\ 1000 & 1088.781 & 0.014522 & 0.161658 & 0.193422 & 0.149812 & 4.736032 & 4.697954 & 0.013322\end{array}$ $\begin{array}{lllllllll}1000 & 718.9957 & 0.009876 & 0.11251 & 0.108811 & 0.126733 & 3.83229 & 3.727693 & 0.015395\end{array}$ $\begin{array}{lllllllll}1000 & 929.8775 & 0.016673 & 0.14438 & 0.074312 & 0.127153 & 5.672222 & 4.96006 & 0.023987\end{array}$ $\begin{array}{lllllllll}1000 & 1014.914 & 0.009563 & 0.13228 & 0.132685 & 0.111695 & 5.165994 & 5.22949 & 0.013514\end{array}$ $\begin{array}{lllllllll}1000 & 1128.354 & 0.010943 & 0.118443 & 0.039527 & 0.072916 & 3.577841 & 4.083905 & 0.008634\end{array}$ $\begin{array}{lllllllll}1000 & 802.1751 & 0.015721 & 0.126486 & 0.046937 & 0.10022 & 4.733112 & 4.877326 & 0.009877\end{array}$ $\begin{array}{lllllllll}1000 & 883.755 & 0.010369 & 0.104947 & 0.067964 & 0.106296 & 5.491923 & 4.814622 & 0.011346 \\ 1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.52754 & 3.61118 & 0.011154\end{array}$ $\begin{array}{rrrrrrrr}1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.652754 & 3.61118 \\ 1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509\end{array}$ $\begin{array}{lllllllll}1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509 & 0.01139 \\ 1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222\end{array}$ $\begin{array}{lllllllll}1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222 \\ 1000 & 1159.175 & 0.009997 & 0.170992 & 0.175532 & 0.19318 & 8.544723 & 6.156318 & 0.020464\end{array}$ $\begin{array}{llllllllll}1000 & 661.964 & 0.010609 & 0.113436 & 0.107985 & 0.083482 & 4.501985 & 4.064206 & 0.008959\end{array}$ $\begin{array}{lllllllllll}1000 & 1696.82 & 0.007692 & 0.12611 & 0.087909 & 0.100957 & 4.482484 & 4.41486 & 0.014907\end{array}$






$0.0875950 .4058470 .449683 \quad 0.264282$ $\begin{array}{llll}0.029256 & 0.331626 & 0.327032 & 0.3642822 \\ 0 & 0.3025939 & 0.39526 & 0.28514 \\ 0 & 0.221159\end{array}$ $\begin{array}{llllll}0.083242 & 0.398726 & 0.273288 & 0.299204\end{array}$ $\begin{array}{lllllllll}0.024962 & 0.414271 & 0.277788 & 0.300645\end{array}$ $\begin{array}{lllll}0.024101 & 0.637263 & 0.47401 & 0.302946\end{array}$ $\begin{array}{lllll}0.031129 & 0.475691 & 0.454005 & 0.455832\end{array}$ $\begin{array}{lllll}0.026783 & 0.502601 & 0.688304 & 0.487624\end{array}$ $\begin{array}{llll}0.016026 & 0.417348 & 0.461625 & 0.34541\end{array}$ $\begin{array}{lllll}0.01584 & 0.595857 & 0.363574 & 0.371657\end{array}$ $\begin{array}{lllll}0.016442 & 0.511243 & 0.366694 & 0.431415\end{array}$ $\begin{array}{lllll}0.022771 & 0.560009 & 0.36116 & 0.300418\end{array}$ $\begin{array}{lllll}-0.00181 & 0.278995 & 0.152558 & 0.228715\end{array}$ $\begin{array}{llllll}0.037036 & 0.416284 & 0.43189 & 0.340545\end{array}$ $\begin{array}{llll}0.056096 & 0.590361 & 0.321428 & 0.327246\end{array}$ $\begin{array}{lllll}0.066682 & 0.402714 & 0.367376 & 0.333148 \\ 0.055372 & 0.335946 & 0.34688 & 0.3738\end{array}$ $\begin{array}{lllll}0.025431 & 0.317941 & 0.326481 & 0.282297\end{array}$ $\begin{array}{lllll}0.070926 & 0.36946 & 0.526174 & 0.33899\end{array}$ $\begin{array}{llll}0.039191 & 0.340965 & 0.406275 & 0.338302\end{array}$ $\begin{array}{lllll}0.030461 & 0.317916 & 0.511366 & 0.428591\end{array}$ $\begin{array}{lllllllllll}0.062607 & 0.311958 & 0.337687 & 0.538769\end{array}$ $\begin{array}{lllllll}0.032066 & 0.287187 & 0.481756 & 0.348492\end{array}$ $\begin{array}{llll}0.036277 & 0.283068 & 0.386427 & 0.349183 \\ 0 & 073398 & 0.282533 & 0.36338\end{array} 0.44472$ $\begin{array}{lllll}0.0757444 & 0.2987763 & 0.479931 & 0.4244723\end{array}$ 0.0625860 .3360040 .3987690 .390621 $\begin{array}{lllll}0.075914 & 0.443215 & 0.402478 & 0.302677\end{array}$ 0.0629290 .4236460 .5362920 .440613 $\begin{array}{llllll}0.065486 & 0.316571 & 0.333701 & 0.298644\end{array}$ $\begin{array}{llllll}0.03811 & 0.406626 & 0.258337 & 0.285738\end{array}$ | 0.082565 | 0.431762 | 0.482743 | 0.420908 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.05059 & 0.325683 & 0.311208 & 0.359414\end{array}$ $\begin{array}{llllll}0.046687 & 0.336805 & 0.471117 & 0.387172\end{array}$ $\begin{array}{lllll}0.068573 & 0.359055 & 0.400684 & 0.50483\end{array}$ $\begin{array}{llllll}0.047461 & 0.239135 & 0.352306 & 0.262261\end{array}$ $\begin{array}{llllll}0.062438 & 0.300024 & 0.295868 & 0.278575\end{array}$ $\begin{array}{lllllllll}0.075821 & 0.372331 & 0.311054 & 0.317962\end{array}$ $\begin{array}{lllll}0.022507 & 0.296813 & 0.324508 & 0.309801\end{array}$ $\begin{array}{lllll}0.038045 & 0.301197 & 0.366847 & 0.368068\end{array}$ $\begin{array}{llllll}0.060161 & 0.339784 & 0.318093 & 0.349949\end{array}$ $\begin{array}{llllll}0.013656 & 0.304107 & 0.381596 & 0.268879\end{array}$ $\begin{array}{lllll}0.02656 & 0.176647 & 0.242548 & 0.265977\end{array}$ $\begin{array}{lllllllllll}0.042183 & 0.354027 & 0.31759 & 0.288572\end{array}$ $\begin{array}{lllllll}0.045205 & 0.356506 & 0.361358 & 0.50397\end{array}$ $\begin{array}{llll}0.036283 & 0.235671 & 0.292772 & 0.350181\end{array}$ $\begin{array}{llll}0.046684 & 0.327624 & 0.373182 & 0.269085\end{array}$

 $\begin{array}{lllll}0.0614 & 0.331737 & 0.43617 & 0.44657\end{array}$ $\begin{array}{lllll}0.061675 & 0.240624 & 0.287804 & 0.25425\end{array}$ $\begin{array}{llllll}0.030204 & 0.349603 & 0.367952 & 0.294501\end{array}$ $\begin{array}{llllllllllll}0.026809 & 0.161671 & 0.262642 & 0.249738\end{array}$ $\begin{array}{lllll}0.050591 & 0.386268 & 0.366269 & 0.329109\end{array}$ $\begin{array}{llll}0.32571 & 0.269532 & 0.3545450 & 0.317413\end{array}$ | 0.062954 | 0.307232 | 0.392339 | 0.288171 |
| :--- | :--- | :--- | :--- |
| 041588 | 0.376736 | 0.38886 | 0.301815 | $\begin{array}{lllll}0.050636 & 0.318716 & 0.308728 & 0.365687\end{array}$ $\begin{array}{lllll}0.051319 & 0.345848 & 0.303868 & 0.354974\end{array}$ $\begin{array}{llllll}0.042759 & 0.346495 & 0.262264 & 0.327719\end{array}$ 0.0214620 .3292720 .373580 .319241

$\begin{array}{lllllllll}1000 & 1018.507 & 0.005875 & 0.058693 & 0.075806 & 0.064953 & 4.175173 & 3.747122 & 0.004285\end{array}$ $\begin{array}{llllllll}1000 & 1022.548 & 0.0077108 & 0.043137 & 0.052523 & 0.030083 & 3.333266 & 3.767521\end{array} 0.0003768$ $\begin{array}{lllllllll}1000 & 972.087 & 0.00592 & 0.053617 & 0.045768 & 0.056232 & 4.012782 & 3.42573 & 0.00369 \\ 1000 & 996.1152 & 0.007287 & 0.049924 & 0.00617 & 0.023883 & 3.819858 & 3.433025 & 0.000697\end{array}$ $\begin{array}{llllllllll}1000 & 893.2013 & 0.012278 & 0.037463 & 0.023879 & 0.037625 & 3.255102 & 3.511555 & 0.004732\end{array}$ $\begin{array}{lllllllll}1000 & 1100.671 & 0.010536 & 0.05006 & 0.018163 & 0.040932 & 3.896906 & 4.028722 & 0.003854\end{array}$ $\begin{array}{lllllllll}1000 & 1426.013 & 0.004975 & 0.024447 & 0.026337 & 0.039196 & 4.334701 & 4.339855 & 0.005358 \\ 1000 & 1111.85 & 0.006847 & 0.047995 & 0.035628 & 0.034278 & 4.655726 & 4.644049 & 0.000188\end{array}$ $\begin{array}{llllllll}1000 & 1111.85 & 0.006847 & 0.0404795 & 0.035628 & 0.0342788 & 4.655726 & 4.644049 \\ 1000 & 0.000188 \\ 1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4220661 & 4.258551\end{array}$ $\begin{array}{llllllll}1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4.220611 & 4.258551 \\ 1000 & 845.8845 & 0.00895 & 0.033799 & 0.000313 & 0.012754 & 3.721676 & 3.863423 \\ 0.001875\end{array}$ $\begin{array}{llllllllllll}1000 & 1233.734 & 0.00476 & 0.032166 & 0.020646 & 0.065313 & 5.73997 & 4.797446 & 0.002595\end{array}$ $\begin{array}{llllllllllllllll}1000 & 826.2289 & 0.002297 & 0.031661 & 0.03231 & 0.012819 & 3.883105 & 4.029032 & 0.003464\end{array}$ $\begin{array}{llllllllll}1000 & 1007.966 & 0.001556 & 0.057579 & 0.00036 & 0.047086 & 3.78389 & 4.405332 & 0.006114\end{array}$ $\begin{array}{lllllllll}1000 & 618.73 & 0.00142 & 0.028018 & 0.034015 & 0.035073 & 2.404641 & 2.685501 & 0.004986\end{array}$ $\begin{array}{lllllllll}1000 & 1255.774 & 0.008326 & 0.06563 & 0.094827 & 0.044561 & 4.542364 & 4.61628 & 0.01218\end{array}$ $\begin{array}{lllllllll}1000 & 894.2564 & 0.009751 & 0.060488 & 0.041388 & 0.042053 & 3.842731 & 3.922405 & 0.00515 \\ 1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 975.6827 & 0.002637 & 0.047277 & 0.043161 & 0.055369 & 2.813435 & 2.605905 & 0.0099427\end{array}$ $1000 \quad 906.2528 \quad 0.0108120 .0773330 .0668020 .06819543 .306129 \begin{array}{lllll}3.537613 & 0.004228\end{array}$ $\begin{array}{lllllllll}1000 & 718.523 & 0.005493 & 0.056599 & 0.06145 & 0.069507 & 3.003796 & 3.512904 & 0.005156\end{array}$ $\begin{array}{lllllllll}1000 & 1033.648 & 0.009103 & 0.081336 & 0.187333 & 0.043883 & 3.656527 & 3.623245 & 0.0004061\end{array}$ $\begin{array}{llllllllll}1000 & 780.9178 & 0.012286 & 0.060003 & 0.084485 & 0.059665 & 3.3777035 & 3.302077 & 0.004968\end{array}$ $\begin{array}{lllllllll}1000 & 842.8682 & 0.000464 & 0.052215 & 0.049503 & 0.049789 & 2.771971 & 3.191253 & 0.003198 \\ 1000 & 9355.8288 & 0.006145 & 0.061867 & 0.06713 & 0.075406 & 4057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{lllllllll}000 & 935.8288 & 0.006145 & 0.061867 & 0.067133 & 0.075406 & 4.057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{llllllllll}1000 & 1060.426 & 0.010995 & 0.076903 & 0.052331 & 0.055976 & 3.572116 & 3.59736 & 0.004299 \\ 1000 & 940.83 & 0.008899 & 0.087587 & 0.032602 & 0.075156 & 3.181318 & 3.848753 & 0.006819\end{array}$ $\begin{array}{lllllllll}1000 & 866.642 & 0.007158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.642 & 0.0071158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306 \\ 1000 & 947.9187 & 0.0094 & 0.105472 & 0.071893 & 0.062698 & 3.586713 & 3.482639 & 0.006033\end{array}$ $\begin{array}{lllllllll} & 1021.53 & 0.01418 & 0.092534 & 0.009954 & 0.0072309 & 4.07674631 & 3.482639 & 0.006033 \\ 1000 & 10276275 & 0.00553\end{array}$
 $\begin{array}{llllllll}1000 & 773.2339 & 0.010352 & 0.065359 & 0.046579 & 0.0756608 & 3.391013 & 2.98869 \\ 10.005462 \\ 1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912\end{array}$ $\begin{array}{lllllllll}1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912 & 0.009527 \\ 1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.26211 & 3.072142 & 0.006848\end{array}$ $\begin{array}{lllllllll}1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.262211 & 3.072142 & 0.006842 \\ 1000 & 844.5102 & 0.007143 & 0.072032 & 0.06554 & 0.066144 & 3.403397 & 2.969735 & 0.005088\end{array}$ $\begin{array}{lllllllll}1000 & 1078.876 & 0.01397 & 0.106231 & 0.106723 & 0.075172 & 3.413149 & 3.375104 & 0.002884\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404 \\ 1000 & 871.76 & 0.011003 & 0.056613 & 0.059391 & 0.057707 & 3.12075 & 3.17915 & 0.005767\end{array}$ $\begin{array}{llllllllll}1000 & 1033.756 & 0.010924 & 0.067909 & 0.068487 & 0.056435 & 3.233753 & 3.633045 & 0.002482\end{array}$

 $\begin{array}{lllllllll}1000 & 1327.824 & 0.011949 & 0.074666 & 0.039813 & 0.076423 & 3.150242 & 3.217665 & 0.008879\end{array}$ \begin{tabular}{lllllllll}
1000 \& 1211.923 \& 0.017124 \& 0.084806 \& 0.098049 \& 0.074715 \& 3.371931 \& 3.968405 \& 0.004488 <br>
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 $\begin{array}{lllllllll}1000 & 1921.122 & 0.009456 & 0.0965 & 0.136825 & 0.077847 & 3.377593 & 3.93396 & 0.002809 \\ 1000 & 1127.238 & 0.014476 & 0.08138 & 0.13867 & 0.089202 & 3.31681 & 3.734356 & 0.007819\end{array}$ $\begin{array}{llllllllll}1000 & 1015.557 & 0.00919 & 0.094485 & 0.11607 & 0.072413 & 3.216633 & 3.412717 & 0.002491\end{array}$ $\begin{array}{lllllllll}1000 & 1215.857 & 0.00919 & 0.094485 & 0.1667 & 0.072413 & 3.216633 & 3.412717 & 0.002491 \\ 1000 & 757.9824 & 0.005248 & 0.03985 & 0.061374 & 0.057828 & 2.682081 & 2.839498 & 0.001929\end{array}$ $\begin{array}{lllllllll}1000 & 1154.905 & 0.010355 & 0.079849 & 0.042578 & 0.05797 & 3.070056 & 2.969252 & 0.0002967\end{array}$ $\begin{array}{lllllllll}1000 & 1003.121 & 0.0085 & 0.060064 & 0.090892 & 0.05606 & 3.430117 & 3.459236 & 0.003179\end{array}$ $\begin{array}{lllllllll}1000 & 1124.964 & 0.00461 & 0.078437 & 0.043257 & 0.070388 & 3.193118 & 3.313862 & 0.005383 \\ 1000 & 1454.436 & 0.008063 & 0.0532525 & 0.06465 & 0.075424 & 3.724503 & 3.638949 & 0.000187\end{array}$ 

\hline 000 \& 1454.536 \& 0.008063 \& 0.053252 \& 0.06465 \& 0.075424 \& 3.724503 \& 3.638944 \& 0.000187 <br>
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\end{tabular} $\begin{array}{lllllllll}000 & 1002.82 & 0.007827 & 0.055483 & 0.068434 & 0.064712 & 3.386305 & 3.481609 & 0.002185 \\ 1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552\end{array}$ $\begin{array}{lllllllll}1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552 \\ 1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377 \\ 1000 & 801.04 & 0.006895 & 0.042806 & 0.014662 & 0.059709 & 2.710409 & 3.348897 & 0.001421\end{array}$ $\begin{array}{lllllllll}1000 & 1216.442 & 0.01154 & 0.053901 & 0.074537 & 0.035734 & 3.529982 & 3.239082 & 0.004214\end{array}$ $\begin{array}{llllllllll}1000 & 831.2548 & 0.009073 & 0.048467 & 0.008489 & 0.019588 & 2.452892 & 2.438065 & 0.0001221\end{array}$ $\begin{array}{lllllllll}1000 & 1047.79 & 0.009328 & 0.068324 & 0.05408 & 0.059114 & 3.660183 & 3.56248 & 0.002298 \\ 1000 & 0163138 & 0.07999 & 0.06777 & 0.02811 & 0.034765 & 3390161 & 35474 & 0.0369\end{array}$ $\begin{array}{lllllllll}1000 & 916.3138 & 0.007999 & 0.060777 & 0.028111 & 0.034765 & 3.349161 & 3.5874 & 0.003609\end{array}$ $\begin{array}{lllllllll}1000 & 1067.927 & 0.010279 & 0.048158 & 0.057351 & 0.036916 & 3.924216 & 3.564714 & 0.00579\end{array}$ $\begin{array}{lllllllll}1000 & 1101.395 & 0.022409 & 0.057058 & 0.049581 & 0.042459 & 3.693115 & 4.010436 & 0.002911 \\ 1000 & 1081.761 & 0.022623 & 0.046996 & 0.027108 & 0.032378 & 3.284741 & 2.946767 & 0.00348\end{array}$ $\begin{array}{llllllllll}1000 & 850.7295 & 0.013431 & 0.037536 & 0.010647 & 0.042262 & 3.119029 & 3.154912 & 0.002442\end{array}$ $\begin{array}{llllllllll}1000 & 1013.511 & 0.0141 & 0.041629 & 0.027104 & 0.034666 & 3.4637 & 3.008152 & 0.003007\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 866.2754 & 0.010962 & 0.035047 & 0.033257 & 0.028476 & 2.6535937 & 0.001398\end{array}$



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$\begin{array}{llll}0.031611 & 0.401195 & 0.565759 & 0.680515\end{array}$ $\begin{array}{llll}0.047697 & 0.41712 & 0.559176 & 0.442672 \\ 0.033864 & 0.318373 & 0.557024 & 0.462136\end{array}$ $\begin{array}{lllll}0.052034 & 0.227194 & 0.528364 & 0.519206\end{array}$ $\begin{array}{llllllllll}0.053555 & 0.225225 & 0.430557 & 0.437268\end{array}$ $\begin{array}{lllll}0.081266 & 0.39672 & 0.813177 & 0.814696\end{array}$ $\begin{array}{rlll}0.10417 & 0.310136 & 0.623135 & 0.677599\end{array}$ $\begin{array}{lllll}0.139115 & 0.224537 & 0.908507 & 0.660577 \\ 0\end{array}$ $\begin{array}{llll}0.192163 & 0.312041 & 0.769898 & 0.68971 \\ 0 & 0.149146 & 0.360103 & 0.701746\end{array}$ | 0.13312 | 0.315093 | 0.684883 | 0.87778 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088229 & 0.266661 & 0.456966 & 0.739526\end{array}$ $\begin{array}{llll}0.12593 & 0.195205 & 0.721266 & 0.625943\end{array}$ $\begin{array}{lllll}0.099571 & 0.289353 & 0.656671 & 0.671575\end{array}$ $\begin{array}{llll}0.13594 & 0.331815 & 0.951157 & 1.076207\end{array}$ $\begin{array}{llll}0.155103 & 0.242672 & 0.949812 & 0.687928\end{array}$ | 0.081648 | 0.266666 | 0.686311 | 0.830989 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.092273 & 0.351706 & 0.885922 & 0.845525 \\ 0.088259 & 0.335323 & 0.72666 & 0.740185\end{array}$ $\begin{array}{llll}0.070835 & 0.283668 & 0.909258 & 0.666004\end{array}$ $\begin{array}{llll}0.087727 & 0.258627 & 0.741565 & 0.612933\end{array}$ $\begin{array}{llllll}0.070825 & 0.185364 & 0.554206 & 0.636004\end{array}$ $\begin{array}{lllll}0.14918 & 0.309444 & 1.006352 & 0.774642\end{array}$ $\begin{array}{llll}0.165965 & 0.350032 & 0.848652 & 0.802348\end{array}$ $\begin{array}{llll}0.084192 & 0.261942 & 0.695531 & 0.653218\end{array}$ $\begin{array}{llll}0.113611 & 0.357862 & 0.805593 & 1.067474 \\ 0.135272 & 0.300744 & 1.037675 & 0.77824\end{array}$ $\begin{array}{lllll}0.066924 & 0.276958 & 0.790702 & 0.754784\end{array}$ $\begin{array}{lllll}0.071813 & 0.290907 & 0.457531 & 0.639797\end{array}$ $\begin{array}{lllll}0.064215 & 0.357847 & 0.815127 & 0.663215\end{array}$ $\begin{array}{lllll}0.075605 & 0.359288 & 0.991256 & 0.60056\end{array}$ $\begin{array}{llll}0.129049 & 0.28988 & 0.75347 & 0.537963\end{array}$ $\begin{array}{llll}0.105974 & 0.272886 & 0.632027 & 0.755164\end{array}$ $\begin{array}{llll}0.079567 & 0.275442 & 0.762438 & 0.883553 \\ 0.051876 & 0.287631 & 0.572844 & 0.787908\end{array}$ $\begin{array}{llll}0.061619 & 0.2777796 & 0.517844 & 0.787908 \\ 0.0 .517046\end{array}$ $\begin{array}{lllll}0.0 .109503 & 0.501367 & 0.928316 & 1.099436\end{array}$ $\begin{array}{lllll}0.074202 & 0.252329 & 0.717445 & 0.819267\end{array}$ $\begin{array}{llll}0.092096 & 0.430531 & 1.066901 & 1.22305\end{array}$ $\begin{array}{llll}0.119834 & 0.363694 & 1.092045 & 1.128597\end{array}$ $\begin{array}{llll}0.05136 & 0.400559 & 0.652173 & 0.870842\end{array}$ $\begin{array}{lllll}0.080817 & 0.271879 & 0.744266 & 0.803881 \\ 0.038103 & 0.248781 & 0.465322 & 0.650427\end{array}$ | 0.08521 | 0.347368 | 1.2659 | 1.341401 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.079931 & 0.372017 & 0.753862 & 0.563623\end{array}$ $\begin{array}{lllll}0.088712 & 0.323032 & 1.04567 & 0.739648\end{array}$ $\begin{array}{llll}0.084064 & 0.308333 & 1.228756 & 0.982288\end{array}$ $\begin{array}{llll}0.131225 & 0.38279 & 0.887654 & 1.05749\end{array}$ $\begin{array}{llll}0.120489 & 0.322183 & 1.856678 & 0.765613\end{array}$ $\begin{array}{llll}0.094513 & 0.297818 & 1.113155 & 1.245263\end{array}$ $\begin{array}{llll}0.116088 & 0.258409 & 0.793007 & 0.666836 \\ 0.115628 & 0.554125 & 1.385854 & 0.891609\end{array}$ $\begin{array}{lllll}0.171548 & 0.417791 & 1.670533 & 0.896359 \\ 0 & 0.175469\end{array}$ $\begin{array}{lllll}0.047204 & 0.263044 & 0.690082 & 1.004585\end{array}$ $\begin{array}{lllll}0.094619 & 0.38646 & 0.959242 & 0.974591\end{array}$ $\begin{array}{lllll}0.101405 & 0.322548 & 0.636257 & 0.66876\end{array}$ $\begin{array}{lllll}0.092319 & 0.249774 & 0.629481 & 0.627155\end{array}$ $\begin{array}{llll}0.09091 & 0.507514 & 1.579029 & 0.9947\end{array}$ $\begin{array}{llll}0.064357 & 0.209214 & 1.205438 & 0.906858 \\ 0.053311 & 0.222872 & 0.671731 & 0.69517\end{array}$ $\begin{array}{llll}0.066661 & 0.389646 & 1.179674 & 1.002656\end{array}$ $\begin{array}{lllll}0.067598 & 0.313037 & 0.632427 & 0.735122\end{array}$ 0.0530670 .2292671 .0156210 .576187 0.0659770 .2512611 .0900180 .538506


$\begin{array}{rrrrrrrrr}1000 & 1104.585 & 0.006035 & 0.104545 & 0.093259 & 0.074059 & 3.953608 & 4.364116 & 0.00645 \\ 1000 & 1257.54 & 0.065368 & 0.110976 & 0.120624 & 0.081112 & 5.414032 & 4.129046 & 0.007418 \\ 1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288\end{array}$ $\begin{array}{lllllllll}1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288 \\ 1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082608 & 3.609368 & 0.008277\end{array}$ $\begin{array}{lllllllll}1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082668 & 3.609368 & 0.008277 \\ 1000 & 767.6288 & 0.002344 & 0.081015 & 0.093444 & 0.094608 & 3.623066 & 3.352541 & 0.00612\end{array}$ $\begin{array}{lllllllll}1000 & 1346.292 & 0.005777 & 0.142547 & 0.109712 & 0.127866 & 4.094525 & 4.147194 & 0.007168\end{array}$ $\begin{array}{lllllllll}1000 & 889.9435 & 0.009896 & 0.107471 & 0.062839 & 0.117472 & 4.082828 & 4.094529 & 0.006147\end{array}$ $\begin{array}{lllllllll}100 & 9566.3881 & 0.006035 & 0.151806 & 0.134978 & 0.09348 & 3.534949 & 4.103572 & 0.003367 \\ 1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139677 & 3.822485 & 0.005259\end{array}$ $\begin{array}{lllllllll}1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139767 & 3.822485 & 0.005259 \\ 1000 & 1102252 & 0.0101014 & 0.129579 & 0.10221 & 0.114552 & 5.367171 & 4.851436 & 0.00654\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1102.252 & 0.011014 & 0.149579 & 0.10221 & 0.114552 & 5.366171 & 4.851436 \\ 1000 & 1108.405 & 0.00948 & 0.112798 & 0.123083 & 0.074963 & 4.642873 & 4.118653 \\ 0.005795\end{array}$ $\begin{array}{llllllllll}1000 & 895.7373 & 0.009562 & 0.094821 & 0.095261 & 0.097149 & 3.040463 & 3.6052 & 0.005737\end{array}$ $\begin{array}{llllllllll}1000 & 837.7235 & 0.012442 & 0.106334 & 0.077864 & 0.081389 & 3.868081 & 4.069236 & 0.006191\end{array}$ $\begin{array}{lllllllll}1000 & 1098.392 & 0.012208 & 0.100269 & 0.102364 & 0.097104 & 4.013613 & 3.208568 & 0.004877\end{array}$ $\begin{array}{lllllllllll}1000 & 884.7027 & 0.01706 & 0.108713 & 0.131075 & 0.154975 & 4.179335 & 3.977426 & 0.010221\end{array}$ $\begin{array}{lllllllll}1000 & 1007.146 & 0.013022 & 0.110895 & 0.11053 & 0.11447 & 4.241605 & 4.00682 & 0.006656 \\ 1000 & 1028.177 & 0.000105 & 0.097764 & 0.117145 & 0.097033 & 3.735913 & 3.95997 & 0.006589\end{array}$ $\begin{array}{lllllllll}1000 & 1028.177 & 0.006105 & 0.097764 & 0.107145 & 0.097033 & 3.735913 & 3.955977 & 0.006589 \\ 1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309\end{array}$ $\begin{array}{lllllllll}1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309 \\ 1000 & 1185.576 & 0.009078 & 0.144852 & 0.169585 & 0.120745 & 4.523395 & 4.465378 & 0.007665\end{array}$ $\begin{array}{lllllllllll}1000 & 950.5291 & 0.009091 & 0.139177 & 0.086629 & 0.151678 & 4.747335 & 4.246047 & 0.007793\end{array}$ $\begin{array}{llllllllllll}1000 & 834.5023 & 0.011622 & 0.120635 & 0.068397 & 0.140954 & 3.26875 & 3.499491 & 0.009605\end{array}$ $\begin{array}{llllllllll}1000 & 739.873 & 0.007514 & 0.096104 & 0.139823 & 0.114192 & 2.660341 & 2.781871 & 0.005785\end{array}$ $\begin{array}{lllllllll}1000 & 2071.548 & 0.015152 & 0.185146 & 0.174935 & 0.157428 & 4.619002 & 5.343776 & 0.007895\end{array}$ $\begin{array}{llllllll}1000 & 1305.815 & 0.009038 & 0.148201 & 0.095118 & 0.137948 & 3.705276 & 4.482354 \\ 1000 & 7006679\end{array}$ $\begin{array}{lllllllll}1000 & 773.2958 & 0.004765 & 0.183434 & 0.060694 & 0.115833 & 4.045818 & 3.392222 & 0.005093 \\ 1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683 \\ 1000 & 1210.22 & 0.009188 & 0.124234 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174\end{array}$ $\begin{array}{rrrrrrrrr}100 & 1110.22 & 0.009188 & 0.124634 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174 \\ 1000 & 1125.653 & 0.010462 & 0.156559 & 0.132135 & 0.119664 & 5.037179 & 4.350906 & 0.005481\end{array}$ $\begin{array}{lllllllll}1000 & 889.8157 & 0.002976 & 0.068199 & 0.056156 & 0.064095 & 4.470407 & 3.054077 & 0.0004399\end{array}$ $\begin{array}{lllllllll}1000 & 1102.592 & 0.001774 & 0.082192 & 0.067496 & 0.072232 & 4.256491 & 3.368424 & 0.002697\end{array}$ $\begin{array}{llllllllll}1000 & 1679.977 & 0.005548 & 0.101486 & 0.090769 & 0.097152 & 4.548325 & 5.144612 & 0.003175\end{array}$ | 1000 | 1198.4 | 0.004685 | 0.082437 | 0.136621 | 0.076201 | 5.09823 | 4.230119 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1037.254 | 0.004346 | 0.092671 | 0.0947713 | 0.078129 | 4.180365 | 4.112147 | $\begin{array}{lllllllll}1000 & 1037.254 & 0.004346 & 0.092671 & 0.094713 & 0.078129 & 4.180365 & 4.112147 & 0.007656\end{array}$ $\begin{array}{lllllllll}1000 & 1094.13 & 0.006966 & 0.088417 & 0.105626 & 0.111897 & 4.139989 & 4.449202 & 0.007517\end{array}$ | 1000 | 954.5932 | 0.005921 | 0.107152 | 0.068928 | 0.141843 | 4.986799 | 3.91965 | 0.014538 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017\end{array}$ $\begin{array}{lllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017 \\ 1000 & 668.541 & 0.011409 & 0.126087 & 0.156438 & 0.086027 & 3.915031 & 3.766427 & 0.007202\end{array}$ $\begin{array}{lllllllll}1000 & 1320.996 & 0.014521 & 0.157875 & 0.079361 & 0.157503 & 5.282454 & 5.699404 & 0.014634\end{array}$ $\begin{array}{lllllllll}1000 & 1054.252 & 0.018354 & 0.149633 & 0.138198 & 0.135136 & 4.574326 & 4.412258 & 0.013951\end{array}$ $\begin{array}{llllllllll}1000 & 827.7968 & 0.00777 & 0.094939 & 0.072102 & 0.088051 & 3.866194 & 3.553529 & 0.0034494\end{array}$ $\begin{array}{lllllllll}1000 & 1221.32 & 0.002555 & 0.11232 & 0.116552 & 0.090394 & 4.27087 & 4.26617 & 0.007996 \\ 1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822\end{array}$ $\begin{array}{lllllllll}1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822 \\ 1000 & 1240.728 & 0.012871 & 0.133032 & 0.099552 & 0.120324 & 4.930731 & 4.585453 & 0.01616\end{array}$ | 1000 | 603.0229 | 0.008228 | 0.094646 | 0.063427 | 0.095816 | 3.8018 | 3.332945 | 0.010588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}100 & 63.0229 & 0.008228 & 0.094646 & 0.063427 & 0.095816 & 3.8018 & 3.332945 \\ 10.0100588 \\ 100 & 1047.295 & 0.008957 & 0.097216 & 0.107991 & 0.122217 & 5.531403 & 4.437567 \\ 0.012843\end{array}$ $\begin{array}{lllllllll}1000 & 786.9462 & 0.007696 & 0.155031 & 0.068315 & 0.116813 & 4.414235 & 4.449219 & 0.009404\end{array}$ $\begin{array}{lllllllll}1000 & 998.9427 & 0.010061 & 0.203719 & 0.119222 & 0.147068 & 6.06349 & 4.977139 & 0.013678 \\ 1000 & 1049 & 045 & 0.07143 & 0.14607 & 0.12654 & 0.103038 & 4.3249 & 4.43859\end{array}$ | 1000 | 1049.264 | 0.007143 | 0.144607 | 0.123647 | 0.103038 | 4.32489 | 4.435859 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 818.5269 & 0.010941 & 0.106948 & 0.112545 & 0.118318 & 3.529968 & 3.6833236 & 0.007371 \\ 1000 & 909.6484 & 0.012093 & 0.161649 & 0.16 & 0.114391 & 3948704 & 3.933055 & 0.011073\end{array}$ $\begin{array}{rrrrrrrr}000 & 909.6484 & 0.012093 & 0.161649 & 0.162 & 0.114391 & 3.948704 & 3.933055 \\ 1000 & 10866.072 & 0.011073\end{array}$ $\begin{array}{lllllllll}1000 & 1086.672 & 0.011882 & 0.192049 & 0.161915 & 0.136467 & 4.215195 & 4.632561 & 0.010161 \\ 1000 & 1050.723 & 0.011154 & 0.156771 & 0.135526 & 0.184147 & 5.598658 & 3.875003 & 0.005218\end{array}$ $\begin{array}{lllllllll}1000 & 1287.95 & 0.009071 & 0.161222 & 0.101892 & 0.121418 & 3.217528 & 3.091693 & 0.008725\end{array}$ | 1000 | 1292.464 | 0.016846 | 0.17516 | 0.092006 | 0.1214379 | 4.62898 | 3.575707 | 0.000922 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 965.1603 & 0.020637 & 0.14464 & 0.137199 & 0.107438 & 4.273696 & 4.634317 & 0.010397\end{array}$ $\begin{array}{lllllllll}1000 & 761.6293 & 0.009266 & 0.100747 & 0.115459 & 0.081211 & 3.279596 & 2.516649 & 0.004568 \\ 1000 & 1533.3 & 0.012946 & 0.148041 & 0.082667 & 0.173166 & 4.253332 & 5.062553 & 0.0074466\end{array}$ | 1000 | 1533.3 | 0.012946 | 0.148041 | 0.082667 | 0.173166 | 4.253332 | 5.062553 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1004.464 | 0.005833 | 0.130589 | 0.144131 | 0.128514 | 3.38235 | 3.669022 | $\begin{array}{lllllllll}1000 & 1004.464 & 0.005833 & 0.130589 & 0.144131 & 0.128514 & 3.38235 & 3.669022 & 0.007115 \\ 1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865\end{array}$ $\begin{array}{lllllllll}1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865 \\ 1000 & 1398.472 & 0.008961 & 0.118102 & 0.125651 & 0.116338 & 4.41598 & 4.635854 & 0.012835\end{array}$ $\begin{array}{llllllllll}1000 & 626.3881 & 0.003477 & 0.072847 & 0.078916 & 0.07236 & 2.788303 & 2.278825 & 0.006775\end{array}$ $\begin{array}{llllllllll}1000 & 1193.053 & 0.008992 & 0.093745 & 0.039915 & 0.086896 & 2.834928 & 2.725949 & 0.007133\end{array}$ $\begin{array}{llllllllll}1000 & 638.3693 & 0.003977 & 0.083763 & 0.091754 & 0.068009 & 4.051773 & 3.434407 & 0.0045\end{array}$


| 281.941 | 113.01 | 160.03 | 495.78 | 438.61 | 7003.66 | 100848.2 | 211.05 | 161.03 | 25 | 156.03 | 5122.72 | 47459.26 | 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 282.2748 | 115.01 | 195.04 | 274.24 | 330.34 | 6329.78 | 141856.9 | 214.05 | 158.03 | 28 | 146.02 | 5785.61 | 40273.83 | 20 |
| 282.6086 | 113.01 | 138.02 | 291.27 | 316.32 | 6556.87 | 135626.7 | 193.04 | 167.03 | 28 | 151.02 | 6087.52 | 35927.57 | 32 |
| 282.943 | 113.01 | 145.02 | 300.28 | 61 | 127 | 113473.2 | 215.05 | 173.03 | 25 | 129.02 | 7275.8 | 38767.71 | 21 |
| 283.2768 | 120.01 | 145.02 | 269.23 | 313.31 | 6916.92 | 124810.5 | 203.04 | 224.05 | 27 | 133.02 | 4743.6 | 39250.72 | 20 |
| 283.6106 | 158.03 | 154.02 | 213.14 | 377.45 | 7337.48 | 117611.6 | 219.05 | 149.02 | 16 | 137.02 | 6013.54 | 42658.75 | 20 |
| 283.9449 | 127.02 | 129.02 | 441.62 | 401.51 | 9615.27 | 107721.3 | 213.05 | 167.03 | 26 | 158.03 | 5184.42 | 43455.3 | 22 |
| 284.2788 | 101.01 | 169.03 | 274.24 | 510.82 | 10170.88 | 172748.4 | 227.06 | 143.02 | 34 | 154.03 | 5554.76 | 40609.9 | 30 |
| 284.6126 | 102.01 | 180.03 | 270.23 | 339.36 | 7275.69 | 98657.13 | 191.04 | 199.04 | 31 | 189.04 | 4454.74 | 40597.89 | 30 |
| 284.94 | 145.02 | 141.02 | 29. | 395. | 11687.74 | 93 | 250.07 | 213.05 | 34 | 40.0 | 6033.81 | 57005.0 | 9 |
| 285.2818 | 113.01 | 157.03 | 322.33 | 433.59 | 8731.54 | 135640.7 | 213.05 | 158.03 | 30 | 171.03 | 4350.7 | 37450.6 | 20 |
| 285.6156 | 106.01 | 205.04 | 429.58 | 445.63 | 9030.87 | 149360.6 | 240.06 | 185.04 | 29 | 189.04 | 4637.55 | 39224.6 | 18 |
| 285.95 | 102.01 | 142.02 | 332.35 | 430.59 | 8816.1 | 141602.7 | 220.05 | 168.03 | 39 | 150.02 | 5957.82 | 37622.01 | 24 |
| 286.2838 | 97.01 | 116.01 | 266.22 | 367.43 | 6938.86 | 135709.6 | 211.05 | 170.03 | 24 | 140.02 | 4954.88 | 46294.63 | 18 |
| 286.6176 | 96.01 | 171.03 | 273.24 | 614.19 | 6305.84 | 184683.4 | 204.04 | 142.02 | 33 | 179.03 | 5255.2 | 40618.6 | 14 |
| 286.9519 | 121.02 | 155.03 | 297.28 | 472.71 | 8088.24 | 115908.3 | 205.05 | 157.03 | 18 | 179.03 | 5226. | 35578.6 | 29 |
| 287.2858 | 99.01 | 142.02 | 326.34 | 453.65 | 7296.63 | 108100.1 | 264.08 | 141.02 | 18 | 125.02 | 4818.4 | 39488.05 | 23 |
| 287.6196 | 136.02 | 181.03 | 249.2 | 470.7 | 6571.46 | 154130.3 | 205.05 | 139.02 | 19 | 158.03 | 5399.91 | 48225.06 | 14 |
| 287.9539 | 109.01 | 127.02 | 374.44 | 453.65 | 8500.29 | 173146.1 | 217.05 | 145.02 | 19 | 98.01 | 6444.39 | 42158.03 | 24 |
| 288.2878 | 134.02 | 142.02 | 345.38 | 40.52 | 8678.72 | 122186.1 | 221.05 | 139.02 | 26 | 139.02 | 35.5 | 46282.48 | 22 |
| 288.6216 | 154.02 | 106.01 | 337.36 | 309.3 | 8137.72 | 105499.7 | 181.04 | 142.02 | 18 | 101.01 | 5071.15 | 43155.61 | 22 |
| 288.9559 | 143.02 | 167.03 | 341.37 | 439.61 | 7844.25 | 106856.9 | 236.06 | 139.02 | 28 | 129.02 | 6498.15 | 44238 | 21 |
| 289.2897 | 206.04 | 142.02 | 261.22 | 373.44 | 8253.57 | 103658.7 | 181.04 | 175.03 | 31 | 119.02 | 5180.37 | 53041.81 | 28 |
| 289.6236 | 151.02 | 118.01 | 410.53 | 359.41 | 6828.13 | 134379.3 | 194.04 | 207.05 | 25 | 205.05 | 6052.05 | 41141.77 | 31 |
| 289.9579 | 182.03 | 131.02 | 540.92 | 326.34 | 10308.47 | 164506.7 | 212.05 | 142.02 | 26 | 147.02 | 4876.0 | 51253.7 | 24 |
| 290.2917 | 203.04 | 156.03 | 293.27 | 331.35 | 8705.13 | 167189.1 | 209.05 | 159.03 | 37 | 166.03 | 6166.5 | 41410.66 | 17 |
| 290.6255 | 164.03 | 131.02 | 356.4 | 557.98 | 7412.92 | 149084.3 | 207.05 | 149.02 | 26 | 148.02 | 6142.25 | 44561.26 | 26 |
| 290.9599 | 212.05 | 146.02 | 276.24 | 403.51 | 8355.79 | 115493.3 | 259.07 | 199.04 | 33 | 153.03 | 5374.61 | 42083.56 | 18 |
| 291.2937 | 213.05 | 171.03 | 297.28 | 396.5 | 7600.63 | 141879.1 | 169.03 | 293.09 | 24 | 147.02 | 4897.26 | 44792.45 | 27 |
| 291.6275 | 254.07 | 157.03 | 350.39 | 878.43 | 12372.61 | 135568.8 | 186.04 | 215.05 | 29 | 164.03 | 6911.18 | 49577.9 | 33 |
| 291.9619 | 191.04 | 121.02 | 345.38 | 491.76 | 13403.75 | 143773.9 | 239.06 | 170.03 | 38 | 152.03 | 6202.0 | 55171.82 | 30 |
| 292.2957 | 194.04 | 132.02 | 238.18 | 91.76 | 6489.12 | 122288.5 | 242.06 | 180.04 | 22 | 172.03 | 6406.8 | 52549. | 26 |
| 292.63 | 219.05 | 112.01 | 409.53 | 368.43 | 7737.1 | 125469.8 | 230.06 | 191.04 | 47 | 130.02 | 7754.63 | 44769.33 | 29 |
| 292.9649 | 191.04 | 172.03 | 450.64 | 385.47 | 11457.58 | 132037.5 | 283.09 | 188.04 | 34 | 158.03 | 5434.31 | 55795.65 | 27 |
| 293.2987 | 244.06 | 147.02 | 315.31 | 422.56 | 10413.09 | 124175.9 | 257.07 | 188.04 | 22 | 213.05 | 5745.1 | 93518.92 | 35 |
| 293.6325 | 211.05 | 128.02 | 370.43 | 353.39 | 6972.3 | 165493.4 | 256.07 | 227.06 | 24 | 171.03 | 5824 | 61632.97 | 34 |
| 293.9669 | 211.05 | 144.02 | 380.46 | 386.47 | 6468.28 | 107299.4 | 303.1 | 193.04 | 43 | 195.04 | 6599 | 62510.45 | 24 |
| 294.3007 | 173.03 | 148.02 | 419.56 | 695.53 | 8113.5 | 129317.2 | 338.12 | 227.06 | 21 | 158.03 | 6214.2 | 48603.42 | 20 |
| 294.635 | 191.04 | 136.02 | 324.33 | 304.29 | 12800.1 | 189095.6 | 291.09 | 199.04 | 45 | 156.03 | 8305.24 | 53741.41 | 31 |
| 294.9688 | 302.09 | 116.01 | 271.23 | 894.52 | 7824.29 | 169879.9 | 234.06 | 202.04 | 47 | 190.04 | 6874.63 | 59447.84 | 17 |
| 295.3026 | 231.06 | 167.03 | 426.57 | 427.58 | 8666.04 | 121768.8 | 268.08 | 222.05 | 20 | 160.03 | 6112.85 | 48401.45 | 32 |
| 295.637 | 260.07 | 137.02 | 484.74 | 290.27 | 10011.02 | 145464.1 | 295.59 | 178.03 | 19 | 183.04 | 6411.9 | 56685.5 | 23 |
| 295.9708 | 226.05 | 157.03 | 329.34 | 484.74 | 6720.62 | 183552.9 | 240.06 | 187.04 | 43 | 146.02 | 7063.4 | 55616.52 | 24 |
| 296.3046 | 274.08 | 118.01 | 337.36 | 453.65 | 8392.7 | 172811.1 | 257.07 | 207.05 | 18 | 166.03 | 6698.02 | 58603.87 | 24 |
| 296.639 | 195.04 | 144.02 | 270.23 | 318.32 | 10207.13 | 162922.5 | 328.12 | 211.05 | 40 | 184.04 | 5800.8 | 43807.92 | 44 |
| 296.9728 | 188.04 | 124.02 | 260.21 | 523.87 | 6726.88 | 104165.9 | 258.07 | 183.04 | 28 | 189.04 | 6646.27 | 52002.12 | 25 |
| 297.3066 | 188.04 | 139.02 | 274.24 | 334.35 | 7635.26 | 127653.8 | 280.08 | 185.04 | 31 | 164.03 | 6429.18 | 44125.61 | 38 |
| 297.641 | 190.04 | 129.02 | 330.34 | 401.51 | 7546.08 | 137971.9 | 263.07 | 161.03 | 23 | 126.02 | 4944.77 | 52797.62 | 30 |
| 297.9748 | 247.06 | 155.03 | 386.47 | 505.81 | 7024.57 | 104420.3 | 254.07 | 144.02 | 31 | 163.03 | 7099.04 | 41007.39 | 27 |
| 298.3086 | 144.02 | 167.03 | 385.47 | 324.33 | 12801.19 | 128938.7 | 324.11 | 185.04 | 37 | 156.03 | 5339.19 | 53549.59 | 21 |
| 298.6429 | 143.02 | 144.02 | 356.4 | 401.51 | 8228.28 | 134321.5 | 239.06 | 229.06 | 25 | 155.03 | 6371.37 | 49267.67 | 14 |
| 298.9768 | 159.03 | 149.02 | 234.17 | 435.6 | 7746.55 | 98324.29 | 259.07 | 189.04 | 30 | 113.01 | 6749.78 | 46001.98 | 41 |
| 299.3106 | 172.03 | 192.04 | 233.17 | 291.27 | 9548.34 | 155218.2 | 242.06 | 133.02 | 24 | 137.02 | 5250.17 | 40411.29 | 4 |
| 299.6449 | 185.04 | 195.04 | 368.43 | 324.33 | 8792.85 | 117946.9 | 230.06 | 171.03 | 22 | 133.02 | 4713.33 | 53489.03 | 19 |
| 299.9788 | 159.03 | 173.03 | 261.22 | 311.31 | 11174.1 | 148494 | 214.05 | 146.02 | 19 | 107.01 | 5046.88 | 38128.82 | 24 |
| 300.3126 | 131.02 | 124.02 | 297.28 | 361.41 | 10670.64 | 207061.8 | 220.05 | 129.02 | 18 | 149.02 | 4549.67 | 46240.5 | 19 |
| 300.6479 | 167.03 | 179.03 | 358.41 | 329.34 | 7804.32 | 128759.5 | 197.04 | 147.02 | 29 | 150.02 | 4465.8 | 40948.39 | 27 |
| 300.9818 | 174.03 | 168.03 | 302.29 | 472.71 | 8025.1 | 155659.8 | 226.06 | 152.03 | 27 | 138.02 | 5230.9 | 46840.65 | 5 |
| 301.3156 | 149.02 | 177.03 | 284.26 | 348.38 | 8178.78 | 147030.1 | 226.06 | 176.03 | 32 | 168.03 | 6243.62 | 43300.49 | 21 |
| 301.6499 | 134.02 | 131.02 | 501.79 | 319.32 | 9932.22 | 154920.3 | 193.04 | 187.04 | 22 | 161.03 | 6204.08 | 45228.71 | 13 |
| 301.9837 | 120.01 | 121.02 | 257.21 | 378.45 | 6908.56 | 140342 | 218.05 | 147.02 | 29 | 149.02 | 4640.58 | 52452.86 | 17 |
| 302.3176 | 136.02 | 124.02 | 315.31 | 321.33 | 6792.63 | 137934.1 | 188.04 | 162.03 | 36 | 128.02 | 6081.44 | 40647.01 | 16 |
| 302.6519 | 126.02 | 153.02 | 341.37 | 286.26 | 8911.29 | 118819 | 151.02 | 119.02 | 23 | 142.02 | 4813.3 | 54588.12 | 16 |
| 302.9857 | 100.01 | 136.02 | 513.8 | 312.31 | 12475.33 | 102174 | 163.03 | 154.0 | 27 | 99.01 | 4870.98 | 48786.61 | 18 |

$\begin{array}{llll}0.073592 & 0.3953 & 1.515117 & 1.031364\end{array}$ $\begin{array}{lllll}0.084117 & 0.548314 & 0.924519 & 1.031364 \\ 0.841048\end{array}$ $\begin{array}{llll}0.078608 & 0.354928 & 0.948291 & 0.774391\end{array}$ $\begin{array}{llll}0.040461 & 0.193704 & 0.50329 & 0.947215 \\ 0.083122 & 0.35672 & 0.836435\end{array}$ $\begin{array}{llll}0.083122 & 0.356742 & 0.83046 & 0.726435 \\ 0.122424 & 0.360886 & 0.618622 & 0.838173\end{array}$ $\begin{array}{llll}0.065991 & 0.223243 & 0.982515 & 0.8833483\end{array}$ $\begin{array}{lllll}0.040638 & 0.289925 & 0.575307 & 0.834709 \\ 0.057932\end{array}$ $\begin{array}{lllll}0.057982 & 0.43564 & 0.792452 & 0.753431 \\ 0.067384 & 0.2304239 & 0.621022 & 0.553322\end{array}$ $\begin{array}{lllll}0.059026 & 0.310169 & 0.78848 & 0.817139\end{array}$ $\begin{array}{llllll}0.050478 & 0.406487 & 1.017467 & 0.813442\end{array}$ $\begin{array}{llllll}0.047849 & 0.273053 & 0.805332 & 0.803329\end{array}$ $\begin{array}{llllll}0.054669 & 0.271775 & 0.818514 & 0.860997\end{array}$ $\begin{array}{llllll}0.05881 & 0.47404 & 0.924623 & 1.634125\end{array}$ $\begin{array}{lllll}0.072144 & 0.329885 & 0.784671 & 0.96701\end{array}$ $\begin{array}{llll}0.054319 & 0.329928 & 0.955383 & 1.026112\end{array}$ $\begin{array}{lllll}0.056631 & 0.247814 & 0.941634 & 0.880781\end{array}$ $\begin{array}{lllll}0.079973 & 0.277376 & 0.850337 & 0.765362\end{array}$ $\begin{array}{lllllllll}0.106192 & 0.207086 & 0.885708 & 0.608787\end{array}$ $\begin{array}{lllllllll}0.09824 & 0.370824 & 0.929834 & 0.923055\end{array}$ $\begin{array}{lllll}0.158302 & 0.291667 & 0.67509 & 0.736596\end{array}$ $\begin{array}{lllll}0.122828 & 0.282057 & 1.285847 & 0.854353\end{array}$ $\begin{array}{llll}0.106933 & 0.212119 & 1.123367 & 0.50957\end{array}$ $\begin{array}{llll}0.147158 & 0.308806 & 0.719158 & 0.613542 \\ 0.128062 & 0.294995 & 1.027509 & 1.256966\end{array}$ $\begin{array}{llllll}0.162482 & 0.297697 & 0.705447 & 0.790727\end{array}$ $\begin{array}{llllll}0.179748 & 0.393266 & 0.835023 & 0.853125\end{array}$ 0.1386040 .2188780 .6051271 .207443 $\begin{array}{lllll}0.087953 & 0.148169 & 0.55054 & 0.608409\end{array}$ $\begin{array}{llll}0.18563 & 0.340092 & 0.782423 & 1.256891\end{array}$ $\begin{array}{lllll}0.183172 & 0.233362 & 1.131971 & 0.774415\end{array}$ $\begin{array}{llll}0.102894 & 0.262611 & 0.841419 & 0.549003 \\ 0.156516 & 0.240797 & 0.64644 & 0.66576\end{array}$ 1935110.3050131 .1356910 .021533 $\begin{array}{llllllll}0.208594 & 0.378392 & 1.257525 & 0.975307\end{array}$ $\begin{array}{lllll}0.126435 & 0.311532 & 1.106003 & 1.445875\end{array}$ $\begin{array}{lllll}0.092101 & 0.178655 & 0.54118 & 0.380141\end{array}$ $\begin{array}{llll}0.271389 & 0.241013 & 0.739622 & 1.945583\end{array}$ $\begin{array}{llll}0.175319 & 0.335652 & 1.052848 & 0.811148\end{array}$ $\begin{array}{lllll}0.176404 & 0.23044 & 1.038197 & 0.461495\end{array}$ $\begin{array}{llllll}0.224622 & 0.229465 & 0.858793 & 0.892075\end{array}$ $\begin{array}{lllll}0.118834 & 0.239764 & 0.564824 & 0.500844\end{array}$ $\begin{array}{lllll}0.171482 & 0.30422 & 0.82512 & 1.296215\end{array}$ $\begin{array}{lllllll}0.151075 & 0.307413 & 0.766407 & 0.706427\end{array}$ $\begin{array}{llllll}0.155115 & 0.284473 & 0.935181 & 0.870943\end{array}$ $\begin{array}{lllll}0.235668 & 0.379849 & 1.176295 & 1.196156\end{array}$ $\begin{array}{llll}0.060858 & 0.227212 & 0.643732 & 0.407575\end{array}$ $\begin{array}{lllll}0.093654 & 0.297438 & 0.924699 & 0.798719\end{array}$ $\begin{array}{lllll}0.106541 & 0.357153 & 0.520421 & 0.4857\end{array}$ $\begin{array}{lllll}0.12828 & 0.394688 & 0.895613 & 0.593411\end{array}$ 0.0811440 .2710690 .4986160 .446489 $\begin{array}{llllll}0.062651 & 0.191764 & 0.594741 & 0.549937\end{array}$ $\begin{array}{llllll}0.124907 & 0.403555 & 0.981499 & 0.679857\end{array}$ $\begin{array}{llll}0.128888 & 0.364965 & 0.804258 & 0.97462\end{array}$ 0.10046 $\begin{array}{llllll}0.083223 & 0.287509 & 0.794086 & 0.892764\end{array}$ $\begin{array}{lllll}104689 & 0.301274 & 0.991403 & 0.760449\end{array}$ $0.0702510 .294888 \quad 0.8184730 .510564$ 0.0324490 .1833070 .8815730 .401318

$\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724\end{array}$ $\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724 \\ 1000 & 1314.134 & 0.0126 & 0.143344 & 0.148397 & 0.134237 & 5.213793 & 4.323989 & 0.009377 \\ 1000 & 1212.845 & 0.008761 & 0.146329 & 0.143256 & 0.135258 & 5300213 & 3.723712 & 0.014662\end{array}$ $\begin{array}{llllllllll}1000 & 122.822 .8042 & 0.006344 & 0.078045 & 0.065562 & 0.056775 & 3.26906 & 206815 & 0.0049\end{array}$ $\begin{array}{lllllllllllll}1000 & 1057.926 & 0.00984 & 0.186461 & 0.130779 & 0.108862 & 3.89746 & 3.856332 & 0.008581\end{array}$ $\begin{array}{llllllllll}1000 & 939.6962 & 0.011593 & 0.11654 & 0.071253 & 0.106675 & 4.67773 & 3.950891 & 0.008089\end{array}$ $\begin{array}{lllllllll}1000 & 656.6868 & 0.008184 & 0.099776 & 0.090462 & 0.097649 & 3.069346 & 3.071073 & 0.00681\end{array}$ $\begin{array}{lllllllll}1000 & 995.9863 & 0.009199 & 0.080652 & 0.112816 & 0.089389 & 3.1128 & 2.713171 & 0.008849 \\ 1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.106755 & .474943 & 3.791959 & 0.012371\end{array}$ $\begin{array}{lllllllll}1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.160755 & 3.474943 & 3.791959 & 0.012371 \\ 1000 & 468.1662 & 0.010095 & 0.104887 & 0.098172 & 0.068873 & 2.946436 & 3.314206 & 0.002193\end{array}$ $\begin{array}{lllllllll} & 1000 & 910.8068 & 0.0009012 & 0.103906 & 0.115518 & 0.118607 & 2.826357 & 2.914637 \\ 0.0006797\end{array}$ $\begin{array}{lllllllllllll}1000 & 969.7647 & 0.011889 & 0.117785 & 0.107846 & 0.129505 & 2.916834 & 2.951496 & 0.005893\end{array}$ $\begin{array}{llllllllll}1000 & 941.7539 & 0.009769 & 0.10948 & 0.149838 & 0.099746 & 3.856378 & 2.899882 & 0.008123\end{array}$ $\begin{array}{llllllll}1000 & 1146.76 & 0.011035 & 0.140776 & 0.115361 & 0.11602 & 4.061689 & 4.534017\end{array} 0.00767$ $\begin{array}{lllllllll}1000 & 1717.709 & 0.010963 & 0.129181 & 0.17648 & 0.17368 & 4.745775 & 4.377571 & 0.006496\end{array}$ $\begin{array}{llllllllll}1000 & 840.095 & 0.008679 & 0.111456 & 0.0773219 & 0.135398 & 3.679415 & 2.989215 & 0.010749\end{array}$ $\begin{array}{lllllllll}000 & 868.459 & 0.018211 & 0.110842 & 0.081165 & 0.095042 & 3.754026 & 3.677707 & 0.009394\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1375.4 & 0.010683 & 0.1212313 & 0.095405 & 0.142891 & 4.681594 & 4.987215 & 0.006233 \\ 1000 & 1194.518 & 0.009757 & 0.097869 & 0.073752 & 0.05795 & 4.331643 & 3.370279 & 0.008424\end{array}$ $\begin{array}{llllllllll}1000 & 825.3739 & 0.010046 & 0.091852 & 0.100227 & 0.0919 & 2.900233 & 3.623924 & 0.007545\end{array}$ $\begin{array}{llllllllll}1000 & 759.9252 & 0.005493 & 0.100095 & 0.072774 & 0.063274 & 3.546043 & 3.603778 & 0.008046\end{array}$ $\begin{array}{lllllllll}1000 & 798.5154 & 0.013146 & 0.101625 & 0.11974 & 0.092197 & 4.73374 & 3.832405 & 0.007957\end{array}$ $\begin{array}{lllllllll}1000 & 736.1666 & 0.005416 & 0.121856 & 0.126414 & 0.078614 & 3.573001 & 4.367172 & 0.010162\end{array}$ $\begin{array}{lllllllll}1000 & 1153.928 & 0.008569 & 0.174465 & 0.122331 & 0.188732 & 5.05947 & 4.094705 & 0.013631\end{array}$ $\begin{array}{lllllllll}1000 & 935.774 & 0.00753 & 0.079013 & 0.084378 & 0.083139 & 2.689425 & 3.378592 & 0.006946 \\ 1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761\end{array}$ $\begin{array}{lllllllll}1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761 \\ 1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487\end{array}$ $\begin{array}{lllllllll}1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487 \\ 1000 & 810.2753 & 0.015265 & 0.137008 & 0.133174 & 0.107921 & 3.664093 & 3.422518 & 0.006369\end{array}$ $\begin{array}{llllllll}1000 & 1094.526 & 0.004204 & 0.2223 & 0.105314 & 0.112766 & 3.663998 & 4.004846 \\ 0.010632\end{array}$ $\begin{array}{llllllllll}1000 & 642.3901 & 0.004042 & 0.100016 & 0.078713 & 0.07949 & 3.194528 & 2.722818 & 0.008017\end{array}$ $\begin{array}{llllllllll}1000 & 628.8855 & 0.00793 & 0.072868 & 0.095958 & 0.066717 & 2.641954 & 2.796912 & 0.006714\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1104.88 & 0.016874 & 0.159471 & 0.112661 & 0.16075 & 5.640984 & 5.503371 & 0.011981 \\ 1000 & 950.7537 & 0.012505 & 0.141978 & 0.206623 & 0.094436 & 5.741114 & 3.93216 & 0.011237\end{array}$ | 1000 | 950.7537 | 0.012505 | 0.141978 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 675.6155 | 0.01306623 | 0.094436 | 5.741144 | 3.93216 | 0.011237 | $\begin{array}{lllllllll}1000 & 675.6155 & 0.013358 & 0.094351 & 0.100145 & 0.081945 & 2.702212 & 3.309064 & 0.007052 \\ 1000 & 699.0919 & 0.012045 & 0.103817 & 0.0702 & 0.129459 & 3.146384 & 6.102771 & 0.010115\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 1391.952 & 0.017838 & 0.18748 & 0.114807 & 0.148541 & 4.765218 & 6.007297 & 0.014668\end{array}$ $\begin{array}{lllllllll}1000 & 972.4422 & 0.026949 & 0.171627 & 0.225703 & 0.187725 & 5.831971 & 6.567721 & 0.011072\end{array}$ $\begin{array}{lllllllll}1000 & 934.4642 & 0.026066 & 0.161105 & 0.085823 & 0.115728 & 4.373668 & 4.070834 & 0.007315\end{array}$ $\begin{array}{llllllllll}1000 & 866.3168 & 0.01262 & 0.089431 & 0.119461 & 0.072188 & 3.719378 & 2.852897 & 0.00727\end{array}$ $\begin{array}{lllllllll}1000 & 1273.248 & 0.012908 & 0.148538 & 0.20432 & 0.150431 & 5.024866 & 5.163222 & 0.00641\end{array}$ $\begin{array}{lllllllll}1000 & 823.7565 & 0.015822 & 0.147482 & 0.076345 & 0.110064 & 4.026913 & 3.795389 & 0.011093 \\ 1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.650954 & 3.84770 & 0\end{array}$ $\begin{array}{lllllllll}1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.659054 & 3.847701 & 0.006847 \\ 1000 & 1601.796 & 0.015977 & 0.160009 & 0.217227 & 0.126429 & 6.013255 & 5.623932 & 0.010656\end{array}$

 $\begin{array}{lllllllll}1000 & 1207.492 & 0.014945 & 0.141934 & 0.070562 & 0.118966 & 4.56244 & 4.745123 & 0.008532 \\ 1000 & 935.9584 & 0.019678 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 & 0.013021\end{array}$ $\begin{array}{lllllllll} & 1000 & 935.9584 & 0.019668 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 \\ 100.013021\end{array}$ $\begin{array}{lllllllll}1000 & 980.2241 & 0.019628 & 0.13932 & 0.136654 & 0.128822 & 4.810954 & 3.927325 & 0.015\end{array}$ $\begin{array}{lllllllll}1000 & 1072.054 & 0.017466 & 0.122536 & 0.101476 & 0.092885 & 3.727004 & 4.754726 & 0.011927 \\ 1000 & 871.3588 & 017403 & 0.117609 & 0.145537 & 0.13896 & 5.782348 & 3.067168 & 0.015504\end{array}$ | 1000 | 871.3598 | 0.017403 | 0.1177609 | 0.148537 | 0.138966 | 5.782348 | 3.967168 | 0.011504 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 50 | 0.486 | 0.015357 | 0.083089 | 0.097764 | 0.0721181 | 2.37546 | 2.844772 | $\begin{array}{lllllllll}1000 & 590.4886 & 0.015357 & 0.083089 & 0.097764 & 0.072181 & 2.37546 & 2.842472 & 0.004875 \\ 1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978\end{array}$ $\begin{array}{lllllllll}1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978 \\ 1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971\end{array}$ $\begin{array}{lllllllll}1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971 \\ 1000 & 953.1981 & 0.011467 & 0.079845 & 0.083828 & 0.081971 & 3.130798 & 2.875965 & 0.0075\end{array}$ $\begin{array}{llllllllll}1000 & 786.3665 & 0.011003 & 0.111745 & 0.083138 & 0.085632 & 3.045788 & 4.138835 & 0.006401\end{array}$ $1000779.17980 .007137 \quad 0.074965 \quad 0.0561010 .050071 \quad 2.569714 \begin{array}{llllll}2.318661 & 0.006408\end{array}$ $\begin{array}{lllllllll}1000 & 1138.032 & 0.008071 & 0.069274 & 0.055496 & 0.081711 & 2.420766 & 2.944648 & 0.005274\end{array}$ $\begin{array}{lllllllll}1000 & 967.2996 & 0.007905 & 0.108083 & 0.124799 & 0.112681 & 3.24776 & 3.565569 & 0.010354\end{array}$ $\begin{array}{llllllllll}000 & 1137.394 & 0.011527 & 0.108725 & 0.112716 & 0.098459 & 3.711297 & 3.966414 & 0.009305\end{array}$ $\begin{array}{lllllllll}1000 & 1054.098 & 0.01131 & 0.123678 & 0.131814 & 0.123897 & 4.359598 & 3.59772 & 0.007631 \\ 1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.567727 & 3.09438 & 0.073815\end{array}$ $\begin{array}{lllllllll}1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.566727 & 3.094386 & 0.003815 \\ 1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726\end{array}$ $\begin{array}{lllllllll}1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726 \\ 1000 & 1190.673 & 0.007676 & 0.136985 & 0.179157 & 0.10538 & 5.111012 & 4.06661 & 0.006932\end{array}$ $\begin{array}{llllllllll}1000 & 781.6559 & 0.00144 & 0.076454 & 0.085927 & 0.092004 & 3.070401 & 4.162695 & 0.005284\end{array}$ $\begin{array}{lllllllll}1000 & 480.0231 & 0.00205 & 0.070863 & 0.072502 & 0.040079 & 2.21988 & 2.657295 & 0.004266\end{array}$



$\begin{array}{llll}0.064153 & 0.428219 & 1.073572 & 1.003504\end{array}$ $\begin{array}{llll}0.140171 & 0.293634 & 0.950208 & 1.022423 \\ 0.138607 & 0.302868 & 0.547557 & 0.758566\end{array}$ $\begin{array}{llllllll}0.205069 & 0.334294 & 0.839476 & 0.990811\end{array}$ $\begin{array}{lllll}0.117092 & 0.327536 & 0.664661 & 0.615615\end{array}$ $\begin{array}{llllll}0.070089 & 0.348601 & 0.742771 & 0.717867\end{array}$ $\begin{array}{lllll}0.14173 & 0.401964 & 1.244778 & 0.727814\end{array}$ $\begin{array}{llll}0.14673 & 0.441382 & 0.728918 & 0.86081 \\ 0.05107 & 0.16422 & 0.389158 & 0.847918\end{array}$ $\begin{array}{llll}0.05107 & 0.160429 & 0.389158 & 0.347918 \\ 0.073356 & 0.152928 & 1.109681 & 0.40038\end{array}$ $\begin{array}{lllll}0.092766 & 0.266071 & 0.906047 & 0.641815\end{array}$ $\begin{array}{lllll}0.105051 & 0.44471 & 1.203955 & 0.955418\end{array}$ $\begin{array}{llllll}0.137519 & 0.291295 & 0.840887 & 0.686718\end{array}$ $\begin{array}{llllll}0.134755 & 0.400055 & 1.503777 & 0.933686\end{array}$ $\begin{array}{lllll}0.077926 & 0.214366 & 0.949633 & 0.819108\end{array}$ $\begin{array}{llll}0.164977 & 0.485574 & 1.189996 & 1.260271 \\ & 0.07714\end{array}$ $\begin{array}{llll}0.097614 & 0.317064 & 1.075284 & 0.677857 \\ & 0.08327 & 0.283005 & 0.650712\end{array}$ $\begin{array}{lllll}0.120502 & 0.395006 & 0.788366 & 0.665403\end{array}$ $\begin{array}{lllll}0.095494 & 0.304593 & 1.25892 & 0.871324\end{array}$ $\begin{array}{llll}0.178691 & 0.368321 & 0.723138 & 0.75187\end{array}$ $\begin{array}{lllll}0.092462 & 0.367114 & 1.216624 & 1.691076\end{array}$ $\begin{array}{llllll}0.091478 & 0.319751 & 0.716276 & 0.748216\end{array}$ $\begin{array}{llll}0.076688 & 0.400829 & 0.578085 & 0.899799\end{array}$ $\begin{array}{llll}0.100714 & 0.268723 & 0.557764 & 1.147369\end{array}$ $\begin{array}{llll}0.18815 & 0.250353 & 1.325762 & 0.905227 \\ 0.197822 & 0.317974 & 1.075452 & 1.116858\end{array}$ $\begin{array}{llll}0.170597 & 0.307017 & 0.592119 & 0.909335\end{array}$ $\begin{array}{lllllll}0.222245 & 0.380056 & 0.796409 & 0.808202\end{array}$ $\begin{array}{lllllll}0.212248 & 0.424086 & 0.819878 & 0.86843\end{array}$ $\begin{array}{lllll}0.227464 & 0.46127 & 0.835362 & 1.225868\end{array}$ $\begin{array}{lllll}0.109399 & 0.236563 & 0.587713 & 0.529187 \\ & 0.151325 & 0.296208 & 1.327717 & 0.619148\end{array}$ $\begin{array}{llll}0.151325 & 0.296208 & 1.324717 & 0.610147\end{array}$ $\begin{array}{lllll}0.200734 & 0.288888 & 0.768089 & 0.779582 \\ 0.12759 & 0.285911 & 0.652162 & 0.707576\end{array}$ 0.126570 .31334800 .7545691279064 $\begin{array}{lllll}0.137394 & 0.415276 & 0.726612 & 0.868712\end{array}$ $\begin{array}{lllll}0.106277 & 0.385841 & 0.727755 & 1.01888\end{array}$ $\begin{array}{lllllllll}0.124579 & 0.267779 & 0.901066 & 0.740187\end{array}$ 0.1339760 .4018130 .8351210 .913973 $\begin{array}{llll}0.227371 & 0.369062 & 0.756709 & 1.063088\end{array}$ $\begin{array}{llll}0.142988 & 0.364877 & 0.785734 & 0.765374 \\ & 0.16683 & 0.322104 & 0.663781\end{array}$ $\begin{array}{llll}0.170449 & 0.262537 & 0.652873 \\ 0 & 0.517265\end{array}$ $\begin{array}{lllll}0.28426 & 0.374279 & 1.127742 & 0.658041\end{array}$ $\begin{array}{lllll}0.245513 & 0.24353 & 0.969393 & 0.846725\end{array}$ $\begin{array}{llll}0.168267 & 0.341253 & 1.328516 & 0.943692\end{array}$ $\begin{array}{lllll}0.243765 & 0.412919 & 0.751608 & 0.887613\end{array}$ $\begin{array}{lllll}0.16887 & 0.329726 & 0.649183 & 0.582005\end{array}$ $\begin{array}{llll}0.199974 & 0.40495 & 1.045296 & 0.891274 \\ 0.195102 & 0.265352 & 0.3361 & 0.893641\end{array}$ $\begin{array}{lllll}0.195102 & 0.265352 & 0.93661 & 0.893641 \\ 0.141689 & 0.335065 & 0.812248 & 1.086095\end{array}$ | 0.219309 | 0.345642 | 2.033384 | 1.222271 |
| :--- | :--- | :--- | :--- | 0.1097840 .2973960 .7933151 .053296 $\begin{array}{lllll}0.205643 & 0.261881 & 0.820912 & 1.083314\end{array}$ $\begin{array}{llll}0.143569 & 0.232453 & 1.20309 & 0.561548\end{array}$ $\begin{array}{llll}0.172645 & 0.358922 & 0.681656 & 0.724674\end{array}$ $\begin{array}{llll}0.209062 & 0.472229 & 0.884543 & 1.244\end{array}$ $\begin{array}{llll}0.11362 & 0.268746 & 0.620917 & 0.680286 \\ 0.175269 & 0.420059 & 0.873942 & 0.97393\end{array}$ $\begin{array}{llll}0.115269 & 0.420059 & 0.873942 & 0.97393 \\ 0.150392 & 0.419424 & 1.35535 & 0.962739\end{array}$ $\begin{array}{lllll}0.214344 & 0.400134 & 0.984841 & 1.220825\end{array}$ $\begin{array}{lllll}0.153693 & 0.3126 & 0.611566 & 0.530872\end{array}$ 0.1287230 .2315920 .9233220 .851162

$\begin{array}{lllllllllll}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561 \\ 100 & 1009.83 & 0.011537 & 0.102049 & 0.101 & 0.110023 & 5.890018 & 4.048303 & 0.005168 \\ 1000 & 7225421 & 0.0073 & 0.102356 & 0.09873 & 0.082814 & 3.99296 & 390313 & 0.009318\end{array}$ $\begin{array}{rrrrrrrr}1000 & 722.5421 & 0.0073 & 0.102356 & 0.099873 & 0.082814 & 3.99296 & 3.90313 \\ 0.009318 \\ 1000 & 1303.767 & 0.006945 & 0.126795 & 0.106335 & 0.105594 & 4.05284 & 4.028797 \\ 0.007816\end{array}$ $\begin{array}{lllllllll}1000 & 1468.719 & 0.009617 & 0.093574 & 0.083098 & 0.086163 & 3.98247 & 4.347284 & 0.010149\end{array}$ $\begin{array}{lllllllll}1000 & 1265.676 & 0.006611 & 0.133749 & 0.076141 & 0.10549 & 4.167701 & 3.366054 & 0.004713\end{array}$ $\begin{array}{lllllllll}10000 & 1217.176 & 0.0007694 & 0.2039 & 0.11013 & 0.144815 & 5.108663 & 5.2036264 & 0.00087941 \\ 1000 & 0.13747\end{array}$ $\begin{array}{llllllll}1000 & 12170.257 & 0.0003597 & 0.172183 & 0.234495 & 0.160637 & 5.298311 & 4.7222655 \\ 1000 & 0.0109554 \\ 1000 & 761.5618 & 0.00359 & 0.064412 & 0.075034 & 0.078481 & 2373977 & 1.272426\end{array}$ $\begin{array}{lllllllll}1000 & 761.5618 & 0.003579 & 0.066412 & 0.075034 & 0.078481 & 2.373977 & 1.972426 & 0.002989 \\ 1000 & 541.1439 & 0.003887 & 0.095512 & 0.099387 & 0.071018 & 3.2548 & 2.621313 & 0.005443\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 666.2193 & 0.00873 & 0.109535 & 0.106178 & 0.102754 & 4.080327 & 3.450504 & 0.008829\end{array}$ $\begin{array}{lllllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.539125 & 4.968915 & 0.01309\end{array}$ $\begin{array}{llllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.5392125 & 4.968915\end{array} 0.01309$ $\begin{array}{lllllllll}1000 & 11777.309 & 0.006974 & 0.142679 & 0.101946 & 0.137164 & 5.821989 & 4.765862 & 0.014689\end{array}$ $\begin{array}{lllllllll}1000 & 770.8305 & 0.001586 & 0.12416 & 0.110096 & 0.105407 & 3.300406 & 3.507801 & 0.011028\end{array}$ $\begin{array}{llllllll}1000 & 1151.999 & 0.006522 & 0.169177 & 0.13858 & 0.14385 & 5.258191 & 4.402483 \\ 1000 & 1241.367 & 0.00720972 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 506889\end{array}$ $\begin{array}{lllllllll}1000 & 1241.367 & 0.007272 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 5.060819 & 0.011069 \\ 1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636\end{array}$ $\begin{array}{lllllllll}1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636 \\ 1000 & 1473.146 & 0.009307 & 0.138317 & 0.109451 & 0.153824 & 4.059715 & 4.710853 & 0.007696\end{array}$ $\begin{array}{lllllllllll}1000 & 966.1628 & 0.004894 & 0.134445 & 0.174338 & 0.129753 & 4.613011 & 4.656877 & 0.010829\end{array}$ $\begin{array}{lllllllll}1000 & 1203.369 & 0.006895 & 0.111525 & 0.065892 & 0.124749 & 6.626926 & 5.077498 & 0.009253\end{array}$ $\begin{array}{llllllll}1000 & 959.8813 & 0.0077 & 0.113609 & 0.137747 & 0.142445 & 5.311178 & 4.162853 \\ 0 & 0.013128\end{array}$ $\begin{array}{lllllllll}1000 & 836.3536 & 0.004295 & 0.090361 & 0.04574 & 0.10898 & 3.386657 & 3.330615 & 0.007843\end{array}$ $\begin{array}{llllllllll}1000 & 846.6717 & 0.009314 & 0.125232 & 0.116362 & 0.092421 & 3.447695 & 3.402139 & 0.010669 \\ 1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.09614 & 4.406911 & 3.316749 & 0.010054\end{array}$ $\begin{array}{lllllllll}1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.096614 & 4.406911 & 3.316749 & 0.010054 \\ 1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018\end{array}$ $\begin{array}{lllllllll}1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018 \\ 1000 & 889.9109 & 0.014421 & 0.147095 & 0.148431 & 0.132884 & 5.232413 & 8.299621 & 0.009512\end{array}$ $\begin{array}{llllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529\end{array}$ $\begin{array}{lllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529 \\ 1000 & 1566.007 & 0.009014 & 0.104414 & 0.073815 & 0.087362 & 4.719183 & 4.181501 & 0.006251\end{array}$ $\begin{array}{lllllllll}1000 & 14922.27 & 0.019463 & 0.146279 & 0.088164 & 0.087652 & 4.719183 & 4.181501 & 0.006251 \\ 1000 & 1272335 & 4.469715 & 0.009748\end{array}$ $\begin{array}{lllllllll}1000 & 1232.601 & 0.020557 & 0.153153 & 0.069042 & 0.146379 & 6.120509 & 5.251961 & 0.012305 \\ 1000 & 583.2728 & 0.005053 & 0.082876 & 0.102909 & 0.000287 & 383033 & 3.151745 & 0.012055\end{array}$ $\begin{array}{lllllllll}1000 & 583.27288 & 0.005053 & 0.088276 & 0.10029 & 0.080287 & 3.380303 & 3.151745 & 0.012056 \\ 1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15877 & 5630514 & 4.128274 & 0.08459\end{array}$ $\begin{array}{lllllllll}1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15837 & 5.630514 & 4.128274 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 960.4729 & 0.017961 & 0.232074 & 0.107411 & 0.129209 & 7.594916 & 5.081136 & 0.004667\end{array}$ $\begin{array}{llllllllll}1000 & 1086.937 & 0.010636 & 0.169562 & 0.238057 & 0.163304 & 4.704986 & 4.150655 & 0.011912\end{array}$ $\begin{array}{lllllllll}1000 & 9555.9543 & 0.019108 & 0.148816 & 0.151553 & 0.161313 & 5.081182 & 4.321502 & 0.016432\end{array}$ $\begin{array}{lllllllll}1000 & 1123.867 & 0.015806 & 0.159322 & 0.128121 & 0.201149 & 5.269776 & 4.719362 & 0.010186\end{array}$ $\begin{array}{lllllllll}1000 & 904.6774 & 0.0151 & 0.168578 & 0.153267 & 0.149597 & 6.090176 & 4.683259 & 0.014775\end{array}$
 $\begin{array}{lllllllll}1000 & 1183.671 & 0.016898 & 0.182995 & 0.260827 & 0.166664 & 5.006511 & 5.042121 & 0.011442 \\ 1000 & 944.8484 & 0.013569 & 0.182379 & 0.15304 & 0.19446 & 5.420815 & 5.695089 & 0.013652\end{array}$ $\begin{array}{lllllllll}1000 & 944.8484 & 0.013569 & 0.182379 & 0.153046 & 0.194476 & 5.420815 & 5.695089 & 0.013652 \\ 1000 & 958.666 & 0.01158 & 0.194628 & 0.281344 & 0.177829 & 5.1252 & 4.494743 & 0.01171\end{array}$ $\begin{array}{llllllllll}1000 & 958.666 & 0.01158 & 0.194188 & 0.281344 & 0.17829 & 5.1252 & 4.494743 & 0.01171 \\ 1000 & 759.4089 & 0.017267 & 0.171005 & 0.129457 & 0.119355 & 5.105776 & 3.708357 & 0.011883\end{array}$ $\begin{array}{lllllllll}1000 & 1032.215 & 0.027246 & 0.197718 & 0.198032 & 0.161281 & 4.181784 & 5.245336 & 0.009763\end{array}$ $\begin{array}{llllllll}1000 & 987.8592 & 0.010513 & 0.190424 & 0.174012 & 0.146373 & 3.863268 & 4.735385 \\ 0.008578\end{array}$ $\begin{array}{lllllllll}1000 & 1356.524 & 0.017078 & 0.152932 & 0.158866 & 0.131476 & 5.006098 & 5.672066 & 0.011279\end{array}$ $\begin{array}{llllllllll}1000 & 972.1363 & 0.016554 & 0.124432 & 0.160092 & 0.149319 & 4.486351 & 4.750738 & 0.007207\end{array}$ $\begin{array}{lllllllll}1000 & 758.3561 & 0.018017 & 0.111291 & 0.08496 & 0.157827 & 5.142362 & 4.018699 & 0.001717\end{array}$ $\begin{array}{lllllllll}1000 & 1197.268 & 0.019938 & 0.156896 & 0.124387 & 0.151774 & 7.154569 & 5.428442 & 0.016625 \\ 1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983\end{array}$ $\begin{array}{lllllllll}1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983 \\ 1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855\end{array}$ $\begin{array}{lllllllll}1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855 \\ 1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696\end{array}$ $\begin{array}{lllllllll}1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696 \\ 1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976\end{array}$ $\begin{array}{lllllllll}1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976 \\ 1000 & 1280.897 & 0.01801 & 0.149515 & 0.25728 & 0.146798 & 5.375388 & 4.469335 & 0.011297\end{array}$ $\begin{array}{llllllllll}1000 & 821.0465 & 0.013111 & 0.163307 & 0.103987 & 0.109989 & 3.213904 & 3.01078 & 0.011848 \\ 1000 & 975.0024 & 0.011618 & 0.204645 & 0.128286 & 0.15069 & 4765431 & 424479 & 0.012293\end{array}$ $\begin{array}{lllllllll}1000 & 975.0024 & 0.0111618 & 0.204645 & 0.128286 & 0.150601 & 4.766431 & 4.244479 & 0.012293 \\ 1000 & 1353.707 & 0.01283 & 0.139656 & 0.261777 & 0.175377 & 578856 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1353.707 & 0.012683 & 0.139656 & 0.261776 & 0.175377 & 5.788586 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1226.563 & 0.011309 & 0.110484 & 0.13354 & 0.081493 & 3.712063 & 3.023272 & 0.008563 \\ 1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839\end{array}$ $\begin{array}{lllllllll}1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839 \\ 1000 & 1504.651 & 0.011049 & 0.115888 & 0.136057 & 0.118441 & 4.878296 & 4.716996 & 0.013628\end{array}$ $\begin{array}{lllllllll}1000 & 1504.0151 & 0.011049 & 0.115888 & 0.136037 & 0.118441 & 4.878696 & 4.716996 & 0.013628 \\ 1000 & 1620.102 & 0.019219 & 0.1676 & 0.239357 & 0.137936 & 5.66185 & 4.911747 & 0.019953\end{array}$ $\begin{array}{llllllllll}1000 & 632.2798 & 0.005042 & 0.144944 & 0.117164 & 0.082411 & 3.868752 & 4.352407 & 0.01109\end{array}$ $\begin{array}{llllllllll}1000 & 1209.605 & 0.012007 & 0.12911 & 0.148343 & 0.127153 & 6.186456 & 4.126125 & 0.013601\end{array}$


[^2]$\begin{array}{lllll}0.156802 & 0.336185 & 0.811196 & 0.660281\end{array}$ $\begin{array}{lllll}0.1304 & 0.416108 & 0.982435 & 0.995332\end{array}$ $\begin{array}{lllll}0.164657 & 0.414642 & 1.286325 & 0.814682\end{array}$ $\begin{array}{lllll}0.16333 & 0.265737 & 1.016627 & 1.505779\end{array}$ $\begin{array}{llllll}0.132063 & 0.150153 & 0.593459 & 0.446199\end{array}$ $\begin{array}{lllll}0.18338 & 0.301563 & 0.63704 & 0.547468\end{array}$ $\begin{array}{lllll}0.193288 & 0.348994 & 0.795246 & 0.624657\end{array}$ $\begin{array}{llll}0.182895 & 0.297279 & 1.522326 & 0.996742\end{array}$ | 0.136166 | 0.448932 | 0.812216 | 0.82741 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.166593 & 0.372239 & 0.740077 & 1.233349\end{array}$ $\begin{array}{lllllll}0.119483 & 0.317661 & 0.955944 & 0.74092\end{array}$ $\begin{array}{llllll}0.092751 & 0.364587 & 1.077446 & 0.670345\end{array}$ $\begin{array}{llllll}0.111184 & 0.329618 & 0.804582 & 0.976275\end{array}$ 0.0825080 .3577870 .5741230 .558875 $\begin{array}{llll}0.093419 & 0.380035 & 0.70936 & 0.535006\end{array}$ $\begin{array}{lllll}0.078632 & 0.327271 & 1.287581 & 0.513471\end{array}$ $\begin{array}{llllll}0.06873 & 0.293347 & 0.6105 & 0.782362\end{array}$ $\begin{array}{llll}0.058713 & 0.586136 & 1.66183 & 0.85649\end{array}$ $\begin{array}{llllll}0.091157 & 0.458787 & 0.886809 & 1.100819\end{array}$ 0.0986020 .639120 .9561670 .905655 0.0838030 .2891851 .5191961 .132648 $\begin{array}{llll}0.097156 & 0.378377 & 2.159132 & 1.047872\end{array}$ $\begin{array}{llll}0.165535 & 0.34826 & 1.100388 & 0.813459 \\ 0.130403 & 0.243433 & 0.89218 & 1.434105\end{array}$ $\begin{array}{lllll}0.069843 & 0.25077 & 0.754967 & 0.703251\end{array}$ $\begin{array}{llll}0.151462 & 0.389644 & 1.021839 & 1.226117\end{array}$ $\begin{array}{lllll}0.125203 & 0.400265 & 1.151153 & 1.301608\end{array}$ $\begin{array}{llllll}0.093322 & 0.268268 & 0.916284 & 0.842831\end{array}$ $\begin{array}{llllll}0.117466 & 0.334103 & 1.234876 & 0.721943\end{array}$ $\begin{array}{lllll}0.07016 & 0.351919 & 0.985397 & 0.894241\end{array}$ $\begin{array}{llll}0.09736 & 0.280501 & 0.912747 & 0.839223 \\ 0.148435 & 0.312799 & 1.322028 & 0.928878\end{array}$ $\begin{array}{llll}181878 & 0.324522 & 0.864256 & 0.933392\end{array}$ $\begin{array}{lllll}0.10109 & 0.360152 & 1.134205 & 0.641044\end{array}$ 0.1131840 .2935090 .6708670 .566619 $\begin{array}{llllllll}0.183946 & 0.261541 & 1.167847 & 0.709528\end{array}$ $\begin{array}{lllll}0.127311 & 0.264422 & 0.981861 & 1.405452\end{array}$ $\begin{array}{llll}0.124406 & 0.262854 & 0.643265 & 0.718278\end{array}$ $\begin{array}{llll}0.141174 & 0.194931 & 0.74248 & 0.580795 \\ 0.140729 & 0.340333 & 1.073844 & 0.678784\end{array}$ $\begin{array}{lllll}0.113245 & 0.251153 & 0.756173 & 1185178\end{array}$ $\begin{array}{lllll}0.186409 & 0.501212 & 1.146377 & 0.825026\end{array}$ $\begin{array}{llllll}0.189009 & 0.39367 & 1.206383 & 0.816558\end{array}$ $\begin{array}{lllllll}0.105343 & 0.273787 & 0.624455 & 0.617395\end{array}$ $\begin{array}{lllll}0.094836 & 0.386038 & 0.65701 & 0.783041\end{array}$ $\begin{array}{llll}0.184515 & 0.366662 & 0.841663 & 0.774902\end{array}$ $\begin{array}{lllll}0.159296 & 0.3642 & 0.577803 & 0.930993 \\ 0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.176784 & 0.256771 & 0.663348 & 0.725808\end{array}$ $\begin{array}{llllll}0.272723 & 0.308461 & 0.547783 & 0.806288\end{array}$ $\begin{array}{lllll}0.177843 & 0.236207 & 0.59383 & 0.5019\end{array}$ $\begin{array}{llllllll}0.171904 & 0.229789 & 0.677011 & 0.889999\end{array}$ $\begin{array}{llllll}0.142661 & 0.285705 & 0.707848 & 0.763686\end{array}$ $\begin{array}{lllll}1.250867 & 0.266861 & 0.786235 & 0.787274\end{array}$ $\begin{array}{lllll}0.204669 & 0.302589 & 0.638354 & 0.775784\end{array}$ $\begin{array}{llll}0.277893 & 0.386646 & 1.012239 & 0.704005\end{array}$ $\begin{array}{lllll}0.144698 & 0.26147 & 0.641721 & 0.738944\end{array}$ $\begin{array}{llllllll}0.155367 & 0.24941 & 0.853529 & 0.836242\end{array}$ $\begin{array}{lllll}0.213997 & 0.37382 & 0.937388 & 0.698065\end{array}$


$\begin{array}{llllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688\end{array}$ $\begin{array}{lllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688 \\ 1000 & 1142.785 & 0.012546 & 0.121967 & 0.070598 & 0.106614 & 4.668582 & 4.401344 & 0.015845 \\ 1000 & 848.7296 & 0.010853 & 0.112926 & 0.094467 & 0.087426 & 4072233 & 4.376148 & 0.01277\end{array}$ $\begin{array}{lllllllll} & 1000 & 848.7296 & 0.010853 & 0.119296 & 0.094467 & 0.087426 & 4.072223 & 4.376148 \\ 1000 & 1256.302 & 0.016924 & 0.128327 & 0.097248 & 0.115543 & 6.561202 & 4.883656 & 0.021988\end{array}$ |  | 1000 | 1111.8 | 0.017854 | 0.14843 | 0.175662 | 0.156673 | 4.700749 | 5.092608 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 930.8341 & 0.008851 & 0.109438 & 0.084826 & 0.08084 & 3.122222 & 3.159298 & 0.012982\end{array}$ $\begin{array}{lllllllll}1000 & 931.1121 & 0.009201 & 0.102716 & 0.148806 & 0.117401 & 3.034296 & 3.409186 & 0.007641 \\ 1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.40861 & 3.238818 & 0.008464\end{array}$ $\begin{array}{lllllllll}1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.408601 & 3.239818 & 0.008464 \\ 1000 & 1350.826 & 0.011173 & 0.147193 & 0.17179 & 0.123483 & 4.702893 & 4.875887 & 0.01006\end{array}$ | 1000 | 1350.826 | 0.011173 | 0.147198 | 0.117179 | 0.123483 | 4.708293 | 4.875887 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1029.198 | 0.012516 | 0.118734 | 0.08782 | 0.15033 | 4.75417 | 3.668177 | $\begin{array}{lllllllll}1000 & 1029.198 & 0.012516 & 0.118734 & 0.08782 & 0.15033 & 4.75417 & 3.668177 & 0.013022 \\ 1000 & 1083.312 & 0.004532 & 0.127741 & 0.162303 & 0.100311 & 4.969491 & 4.280666 & 0.00899\end{array}$ $\begin{array}{llllllllll}1000 & 941.5414 & 0.007205 & 0.170751 & 0.09431 & 0.165456 & 5.743736 & 4.801306 & 0.008869\end{array}$ $\begin{array}{llllllllll}1000 & 1121.326 & 0.007873 & 0.111762 & 0.103718 & 0.091189 & 4.249214 & 3.43527 & 0.005157\end{array}$ $\begin{array}{lllllllll}1000 & 1392.806 & 0.002057 & 0.117566 & 0.071279 & 0.104053 & 4.077246 & 4.517924 & 0.006405\end{array}$ $\begin{array}{lllllllll}1000 & 1091.412 & 0.004959 & 0.093483 & 0.127933 & 0.093236 & 4.849564 & 5.131287 & 0.007653\end{array}$ $\begin{array}{lllllllll}1000 & 900.9049 & 0.00151 & 0.094107 \\ 1000 & 0.031457 & 0.038395 & 5.106462 & 5.043172 & 0.004862\end{array}$ $\begin{array}{llllllll}1000 & 814.7465 & 0.006633 & 0.058072 & 0.033558 & 0.063523 & 4.186504 & 4.720677 \\ 1000 & 1169.004543\end{array}$ $\begin{array}{llllllll}1000 & 1169.241 & 0.005851 & 0.078612 & 0.078335 & 0.083863 & 4.821417 & 5.155334 \\ 10.005118 \\ 1000 & 992.3171 & 0.001816 & 0.0529 & 0.043502 & 0.07013 & 4.210088 & 4.24841\end{array} 0.002556$ $\begin{array}{lllllllll}1000 & 1087.796 & 0.003691 & 0.064379 & 0.04535 & 0.054161 & 3.727103 & 3.970125 & 0.00676\end{array}$ $\begin{array}{lllllllll}1000 & 1501.723 & 0.006928 & 0.125066 & 0.073892 & 0.0064441 & 5.986687 & 8.609248 & 0.013161\end{array}$ $\begin{array}{llllllll}1000 & 1741.611 & 0.011028 & 0.081342 & 0.055671 & 0.099129 & 5.652936 & 7.173677 \\ 0.0009522\end{array}$ $\begin{array}{lllllllll}1000 & 1069.434 & 0.01352 & 0.102832 & 0.069983 & 0.083859 & 4.743862 & 5.328806 & 0.006330 \\ 1000 & 807.8561 & 0.005737 & 0.10065 & 0.052482 & 0.109298 & 479463 & 7.116024 & 0.055518\end{array}$ | 1000 | 807.8561 | 0.005737 | 0.10065 | 0.052482 | 0.109298 | 4.74963 | 7.116024 | 0.005518 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1055.094 & 0.006456 & 0.124252 & 0.100999 & 0.108142 & 5.375173 & 6.070532 & 0.00985 \\ 1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825\end{array}$ $\begin{array}{lllllllll}1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825 \\ 1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551\end{array}$ $\begin{array}{lllllllll}1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551 \\ 1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915\end{array}$ $\begin{array}{lllllllll}1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915 \\ 1000 & 1037.89 & 0.013717 & 0.131911 & 0.074119 & 0.158432 & 4.577732 & 5.320336 & 0.015367\end{array}$ $\begin{array}{lllllllll}1000 & 12655.879 & 0.018224 & 0.170052 & 0.195236 & 0.1554158 & 5.577732 & 5.320336 & 0.015367 \\ 10.959382 & 5.998955 & 0.016473\end{array}$ $\begin{array}{llllllll}1000 & 713.3995 & 0.011314 & 0.110475 & 0.110703 & 0.098273 & 3.444358 & 4.219615\end{array} 0.0 .007909$ $\begin{array}{lllllllll}1000 & 953.8412 & 0.015118 & 0.118741 & 0.160586 & 0.11595 & 4.508187 & 5.121374 & 0.019568 \\ 1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.16585 & 5741598 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.166585 & 5.741589 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 849.4769 & 0.010834 & 0.143213 & 0.144196 & 0.158865 & 4.494118 & 4.937121 & 0.012118 \\ 1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713\end{array}$ $\begin{array}{lllllllll}1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713 \\ 1000 & 1106.164 & 0.014474 & 0.147302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010067\end{array}$ $\begin{array}{lllllllll}1000 & 1106.164 & 0.014474 & 0.1427302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010006 \\ 1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425 \\ 1000 & 1040.059 & 0.009651 & 0.127832 & 0.081775 & 0.114569 & 4.223157 & 4.191935 & 0.014849\end{array}$ $\begin{array}{lllllllll}1000 & 1171.482 & 0.020334 & 0.144164 & 0.133101 & 0.164684 & 4.785438 & 5.575762 & 0.014057\end{array}$ $\begin{array}{lllllllll}1000 & 1646.916 & 0.018529 & 0.159792 & 0.133121 & 0.129915 & 6.947311 & 5.862058 & 0.018404 \\ 1000 & 763.6563 & 0.010716 & 0.140539 & 0.151825 & 0.194316 & 4.498544 & 4.353987 & 0.01900\end{array}$ | 1000 | 763.6563 | 0.010716 | 0.140539 | 0.151825 | 0.124316 | 4.498544 | 4.353987 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1508.203 | 0.010687 | 0.128005 |  |  |  |  | $\begin{array}{lllllllll}1000 & 1508.203 & 0.010687 & 0.128506 & 0.097149 & 0.107359 & 4.612626 & 4.39047 & 0.013133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.856 & 0.012244 & 0.197738 & 0.150688 & 0.176148 & 5.289377 & 6.998236 & 0.011525 \\ 1000 & 1251.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 & 0.014893\end{array}$ $\begin{array}{llllllll}100 & 12121.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 \\ 10.014893 \\ 100 & 1122.649 & 0.015521 & 0.250811 & 0.167484 & 0.202905 & 7.265624 & 5.987701\end{array} 0.020928$ $\begin{array}{llllllllll}1000 & 962.0733 & 0.016625 & 0.215939 & 0.159062 & 0.175853 & 6.560653 & 6.22709 & 0.02142\end{array}$ $\begin{array}{llllllllll}1000 & 770.4902 & 0.016994 & 0.139025 & 0.148678 & 0.097901 & 4.236309 & 3.655146 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 956.9821 & 0.013562 & 0.135491 & 0.199865 & 0.130878 & 4.243713 & 3.459821 & 0.011978\end{array}$ $\begin{array}{llllllllll}1000 & 937.4786 & 0.021033 & 0.166805 & 0.157606 & 0.172175 & 5.617882 & 6.454599 & 0.018226\end{array}$ $\begin{array}{lllllllll}1000 & 961.2404 & 0.015993 & 0.127944 & 0.129742 & 0.137112 & 6.13795 & 4.861825 & 0.021483\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 820.2564 & 0.007257 & 0.10937 & 0.111452 & 0.100914 & 4.438437 & 3.902792 & 0.01279 \\ 1000 & 1335.21 & 0.01364 & 0.154044 & 0.122629 & 0.142855 & 5.881386 & 6.039327 & 0.017442\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.1345544 & 0.121403 & 0.129164 & 4.341095 & 5.5675332 & 0.014039\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.134554 & 0.121403 & 0.129164 & 4.341095 & 5.567532 & 0.014039 \\ 1000 & 1244.63 & 0.011247 & 0.174337 & 0.132617 & 0.139297 & 6.197774 & 4.604954 & 0.017482\end{array}$ $\begin{array}{lllllllll}1000 & 971.2786 & 0.011286 & 0.151323 & 0.090651 & 0.117186 & 4.558169 & 3.894795 & 0.016378\end{array}$ $\begin{array}{lllllllll}1000 & 988.7095 & 0.01205 & 0.216306 & 0.209494 & 0.174216 & 5.60198 & 5.214343 & 0.016766\end{array}$ $\begin{array}{lllllllll}1000 & 783.35529 & 0.014748 & 0.204592 & 0.119577 & 0.160036 & 4.650595 & 4.77006 & 0.018953\end{array}$ $\begin{array}{lllllllll}1000 & 1040.655 & 0.011167 & 0.213869 & 0.199556 & 0.212736 & 5.314038 & 6.051662 & 0.021187\end{array}$

 $\begin{array}{lllllllll}1000 & 1088.687 & 0.016169 & 0.230405 & 0.156985 & 0.186729 & 5.378874 & 4.971244 & 0.01616 \\ 1000 & 1165.366 & 0.017253 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019575\end{array}$ $\begin{array}{lllllllll}1000 & 1655.366 & 0.017585 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019557 \\ 1000 & 1095.185 & 0.015285 & 0.175638 & 0.186831 & 0.186145 & 5.131794 & 5.412978 & 0.014565\end{array}$ $\begin{array}{llllllllll}1000 & 783.2027 & 0.015137 & 0.155587 & 0.125767 & 0.164141 & 4.512005 & 4.913963 & 0.020565\end{array}$ $\begin{array}{llllllllll}1000 & 1233.605 & 0.018933 & 0.264853 & 0.114426 & 0.161266 & 5.761261 & 5.426245 & 0.028715\end{array}$



 | 7271.74 | 539996.1 |
| :--- | :--- |
| 6863.46 | 63308 | $\begin{array}{lll}6863.46 & 63308.6 \\ 7064.51 & 55434.08\end{array}$ $7884.84 \quad 59066.5$ 5685.36 55642.43 8063.9553674 .09 7747.5158694 .55 $\begin{array}{ll}8114.84 & 64530.11 \\ 7691.57 & 81778.95\end{array}$ $\begin{array}{ll}7691.57 & 81778.95 \\ 7276.82 & 70498.48\end{array}$ 7216.8270498 .48

$6400.78 \quad 6988.91$ $7402.83 \quad 61746.68$ 6760.9456398 .86 $\begin{array}{lr}7012.72 \quad 60638 \\ 7529.9 & 57392.69\end{array}$ $\begin{array}{rr}7529.9 & 57392.69 \\ 7715.98 & 60478.69 \\ 6750.79 & 88640.01\end{array}$ $\begin{array}{ll}6750.79 & 88640.01 \\ 8953.37 & 82770.09\end{array}$ 8071.0765043 .34 9698.4472043 .68 $\begin{array}{lr}8543.6 & 59411.5 \\ 7143.73 & 61340.75\end{array}$ 7143.7361340 .75 $\begin{array}{ll}7640.72 & 68951.23 \\ 8057.84 & 60591.34\end{array}$ 7416.0561896 .14 6919.361766 .07 $273.08 \quad 7395.72 \quad 60737.03$ $\begin{array}{llll}273.08 & 8082.27 & 90576.75\end{array}$ $\begin{array}{lll}300.1 & 7404.87 & 92976.08\end{array}$ $\begin{array}{lll} & 769.07 & 76355.62\end{array}$ $6871.58 \quad 57426.61$
8946.24
61309.97 $\begin{array}{cc}8946.24 & 61309.97 \\ 7131.54 & 57214.1\end{array}$ 6957.88 60127.2 $\begin{array}{ll}7286.98 & 64449.8 \\ 7610.22 & 62727.58\end{array}$ $\begin{array}{ll}7610.22 & 62727.58 \\ 9326.78 & 69035.76\end{array}$ $9326.18 \quad 69035.76$

6884.78 66573.16 $\begin{array}{lll}6384.78 & 66573.16 \\ 8666.9 & 53964.73\end{array}$ $7136.62 \quad 53134.79$ $7173.19 \quad 53372.42$ $8218.68 \quad 61948.63$ 7504.48 57806.64 \begin{tabular}{lll}
7759.72 \& 55859.88 <br>
7661.06 \& 53113.5 <br>
\hline

 $\begin{array}{ll}7661.06 & 53113.5 \\ 7901.12 & 62771.02\end{array}$ 

\& 7901.12 \& 62771.02 <br>
\hline 106 \& 7806.51 \& 59928.32

 

7905.19 \& 68037.44 <br>
\hline
\end{tabular} 9351.2762371 .08 $\begin{array}{llll}6684.83 & 59778.33\end{array}$ $6739.63 \quad 64755.03$ $\begin{array}{lll}.6 & 6675.69 & 61356.7 \\ 8 & 7090.92 & 61666.83\end{array}$ $\begin{array}{ccc}08 & 7090.92 & 61666.83 \\ 08 & 10128.67 & 62444.3\end{array}$ 3606 726361632247.3 $\begin{array}{llll} & 66.04 & 6874.63 & 6681237\end{array}$ $\begin{array}{lll}83.04 & 8673.01 & 64884.75 \\ 79.03 & 8076.16 & 66751.77\end{array}$ $\begin{array}{llll}198.04 & 7844.15 & 64477.33\end{array}$ $\begin{array}{lllll} & 185.04 & 9073.73 & 86321.6\end{array}$

$\begin{array}{lllll}0.230898 & 0.270186 & 0.78004 & 0.928512\end{array}$ $\begin{array}{lllll}0.140134 & 0.24849 & 0.689119 & 0.680883\end{array}$ $\begin{array}{llll}0.140134 & 0.24849 & 0.649119 & 0.680883 \\ 0.130199 & 0.27459 & 0.689396 & 0.624972\end{array}$ $\begin{array}{lllll}0.163548 & 0.279662 & 0.589341 & 0.570727\end{array}$ 0.1761460 .3362370 .8626931 .026587 $\begin{array}{lllll}0.292494 & 0.30515 & 0.805705 & 1.195571\end{array}$ $\begin{array}{lllllll}0.201254 & 0.324478 & 0.976163 & 0.729682\end{array}$ $\begin{array}{llll}0.227063 & 0.307171 & 0.714608 & 0.631178\end{array}$ $\begin{array}{llll}0.190455 & 0.289364 & 0.785079 & 0.801556 \\ 0\end{array}$ $\begin{array}{llllll}0.072224 & 0.226845 & 0.782627 & 0.539717\end{array}$ $\begin{array}{llllll}0.113076 & 0.447639 & 0.970233 & 1.027199\end{array}$ $\begin{array}{lllllll}0.119926 & 0.28652 & 0.783641 & 0.633011\end{array}$ $\begin{array}{llllllll}0.112798 & 0.225804 & 0.691258 & 0.503332\end{array}$ $\begin{array}{llllll}0.131127 & 0.389874 & 0.819167 & 0.671266\end{array}$ $\begin{array}{lllll}0.099195 & 0.319679 & 0.781798 & 0.912379\end{array}$ $\begin{array}{llll}0.078449 & 0.280053 & 1.019431 & 0.671522\end{array}$ $\begin{array}{lllll}0.129278 & 0.351031 & 0.688742 & 0.766473 \\ 0.080671 & 0.2815 & 0.822044 & 0.8714\end{array}$ $\begin{array}{lllll}0.071232 & 0.260217 & 0.651118 & 0.725763\end{array}$ $\begin{array}{lllll}0.128938 & 0.321683 & 0.858014 & 0.917607\end{array}$ $\begin{array}{llllllll}0.084558 & 0.229801 & 0.823052 & 0.701739\end{array}$ $\begin{array}{llllll}0.108788 & 0.224678 & 0.617825 & 0.620693\end{array}$ $\begin{array}{llllll}0.121337 & 0.295041 & 0.716769 & 0.704293\end{array}$ $\begin{array}{llll}0.160446 & 0.41753 & 1.023968 & 1.09994\end{array}$ $\begin{array}{lllll}0.112662 & 0.26675 & 1.750835 & 0.599635 \\ 0.170836 & 0.328143 & 1.061372 & 0.833613\end{array}$ $\begin{array}{lllll}0.093653 & 0.250912 & 0.742392 & 0.816426\end{array}$ $\begin{array}{llllllll}0.106374 & 0.254205 & 0.619052 & 1.153454\end{array}$ 0.0897620 .2542160 .6458190 .585819 $\begin{array}{lllllll}0.154657 & 0.352251 & 0.961932 & 0.771304\end{array}$ $\begin{array}{llllll}0.163784 & 0.256604 & 0.922265 & 0.666348\end{array}$ $\begin{array}{llll}0.110016 & 0.286585 & 1.017102 & 0.716451\end{array}$ $\begin{array}{llll}0.160181 & 0.330107 & 1.09292 & 0.877463 \\ 0.15576 & 0.327387 & 0.774473 & 0.636664\end{array}$ $\begin{array}{llllll}0.100747 & 0.282418 & 0.751952 & 0.771978\end{array}$ $\begin{array}{llllll}0.134663 & 0.363025 & 0.915383 & 0.851997\end{array}$ $\begin{array}{lllll}0.082228 & 0.307388 & 0.624414 & 0.864742\end{array}$ $\begin{array}{llllll}0.1026 & 0.24928 & 0.672926 & 0.493024\end{array}$ $\begin{array}{llll}0.106676 & 0.289909 & 0.72159 & 0.67546\end{array}$ $\begin{array}{llll}0.094457 & 0.343748 & 0.768714 & 0.6651\end{array}$ | 0.114449 | 0.25875 | 0.557112 | 0.601476 |
| :--- | :--- | :--- | :--- | :--- |
| 0.135911 | 0.360806 | 0.987067 | 1.088157 | $\begin{array}{lllllll}0.090789 & 0.371671 & 0.772148 & 0.782229\end{array}$ $\begin{array}{lllllll}0.09262 & 0.325875 & 0.561266 & 0.73709\end{array}$ $\begin{array}{llllll}0.083881 & 0.299667 & 0.830413 & 0.666511\end{array}$ $\begin{array}{llllll}0.1447 & 0.422293 & 0.945582 & 0.734678\end{array}$ $\begin{array}{llllll}0.143443 & 0.3523 & 0.919571 & 0.587507\end{array}$ $\begin{array}{llll}0.167543 & 0.396282 & 0.970944 & 1.069375\end{array}$ $\begin{array}{llll}0.124258 & 0.275105 & 0.668327 & 0.602392\end{array}$ $\begin{array}{lllll}0.134348 & 0.270676 & 0.98816 & 0.550136 \\ 0.192105 & 0.338689 & 0.636247 & 0.588992\end{array}$ $\begin{array}{lllll}141369 & 0.546656 & 0.764483 & 0.443153\end{array}$ $\begin{array}{lllll}187319 & 0.283041 & 0.853597 & 0.964403\end{array}$ $\begin{array}{llllllll}0.09474 & 0.310334 & 0.739887 & 0.903526\end{array}$ $\begin{array}{llllll}0.106081 & 0.271062 & 0.719596 & 0.815575\end{array}$ $\begin{array}{lllll}0.182271 & 0.288128 & 0.823962 & 0.725196\end{array}$ $\begin{array}{llllll}0.206834 & 0.290876 & 0.651324 & 0.821548\end{array}$ $\begin{array}{llll}0.148626 & 0.282595 & 0.860872 & 0.592707\end{array}$ $\begin{array}{llllll}146174 & 0.25238 & 0.90399 & 1.36047\end{array}$ $\begin{array}{lllllll}0.113991 & 0.301817 & 0.792045 & 0.599215\end{array}$ $\begin{array}{lllll}0.156446 & 0.329405 & 1.0465 & 0.483873\end{array}$ $0.154986 \quad 0.3312 \quad 0.7532071 .105434$


$\begin{array}{lllllllll}1000 & 887.9524 & 0.01473 & 0.248069 & 0.198029 & 0.142786 & 5.137688 & 4.980527 & 0.018006\end{array}$ $\begin{array}{llllllll}1000 & 867.3468 & 0.010131 & 0.143903 & 0.13618 & 0.116735 & 4.406122 & 3.884694\end{array} 0.0177642$ $\begin{array}{lllllllll}1000 & 784.7645 & 0.009371 & 0.140954 & 0.147785 & 0.129767 & 4.070304 & 4.461351 & 0.01728 \\ 1000 & 945.9256 & 0.011471 & 0.158451 & 0.1391 & 0.131851 & 4.899382 & 4.566477 & 0.016856\end{array}$ | 1000 | 884.3188 | 0.017953 | 0.204395 | 0.152425 | 0.128734 | 5.824482 | 5.175281 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1160.324 & 0.017389 & 0.176751 & 0.264256 & 0.156078 & 4.651903 & 5.425834 & 0.017313\end{array}$ $\begin{array}{lllllllll}1000 & 1313.846 & 0.021562 & 0.147396 & 0.219131 & 0.143996 & 6.334532 & 4.999667 & 0.01948 \\ 1000 & 798.964 & 0.015901 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 797.964 & 0.015991 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238 \\ 1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142\end{array}$ $\begin{array}{lllllllll}1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142 \\ 1000 & 744.1377 & 0.010678 & 0.130265 & 0.119946 & 0.11263 & 4.4697 & 5.638563 & 0.015663\end{array}$ $\begin{array}{llllllll}1000 & 846.1947 & 0.021427 & 0.134484 & 0.152021 & 0.127934 & 4.442689 & 5.11043\end{array} 0.014506$ $\begin{array}{lllllllll}1000 & 1249.231 & 0.021547 & 0.159864 & 0.207584 & 0.167414 & 5.746253 & 7.260263 & 0.021368\end{array}$ $\begin{array}{lllllllll}1000 & 925.0433 & 0.019497 & 0.138618 & 0.109427 & 0.134722 & 5.552787 & 5.497958 & 0.012596\end{array}$ $\begin{array}{lllllllll}1000 & 7544.79 & 0.016204 & 0.099948 & 0.120966 & 0.101404 & 3.955438 & 3.921658 & 0.009837\end{array}$ $\begin{array}{lllllllll}1000 & 1172.893 & 0.018971 & 0.168977 & 0.156296 & 0.138887 & 5.30376 & 5.447933 & 0.02122\end{array}$ | 1000 | 963.4756 | 0.015143 | 0.205379 | 0.176242 | 0.151974 | 5.20527 | 4.708572 | 0.012716 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 771.4656 & 0.011436 & 0.214561 & 0.171017 & 0.115102 & 5.057164 & 4.70287 & 0.007493\end{array}$ $\begin{array}{lllllllll}1000 & 1225.718 & 0.01196 & 0.171336 & 0.182459 & 0.168498 & 4.824154 & 7.528699 & 0.019295 \\ 1000 & 882.6782 & 0.012412 & 0.152871 & 0.149521 & 0.131225 & 5.26159 & 5.761035 & 0.015812\end{array}$ $\begin{array}{lllllllll}1000 & 1338.528 & 0.013184 & 0.15334 & 0.158204 & 0.119528 & 5.262879 & 5.02923 & 0.018263\end{array}$ $\begin{array}{lllllllll}1000 & 1296.306 & 0.011512 & 0.20774 & 0.295202 & 0.210256 & 5.683772 & 7.912853 & 0.015276\end{array}$ $\begin{array}{lllllllll}1000 & 745.6465 & 0.010502 & 0.194005 & 0.168001 & 0.155749 & 5.852612 & 5.144948 & 0.020733\end{array}$ $\begin{array}{lllllllll}1000 & 757.2693 & 0.012108 & 0.166176 & 0.166317 & 0.1497 & 4.689956 & 3.864714 & 0.016831\end{array}$ $\begin{array}{llllllll}1000 & 1015.736 & 0.014527 & 0.205563 & 0.158379 & 0.168683 & 5.32004 & 5.425239 \\ 0.0221289\end{array}$ $\begin{array}{llllllll}1000 & 1074.823 & 0.013927 & 0.203735 & 0.207421 & 0.217874 & 6.368878 & 6.819768 \\ 1000 & 926.026484 \\ 10855 & 0.015085 & 0.230827 & 0.204376 & 0.182807 & 5.903455 & 5.26396 & 0.024046\end{array}$ | 1000 | 926.5835 | 0.015085 | 0.230827 | 0.204376 | 0.182807 | 5.903455 | 5.26396 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.024046 |  |  |  |  |  |  |
| 1000 | 898.2204 | 0.015649 | 0.195102 | 0.157489 | 0.16402 | 5.050822 | 5.584951 |
| 0 | 0.019425 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 898.2204 & 0.015649 & 0.195102 & 0.157489 & 0.16402 & 5.050822 & 5.584951 & 0.019425 \\ 1000 & 912.5726 & 0.009262 & 0.181564 & 0.186274 & 0.17997 & 4.84903 & 5.128545 & 0.016212\end{array}$

 $\begin{array}{lllllllll}1000 & 1275.078 & 0.012698 & 0.205607 & 0.137215 & 0.174809 & 4.110682 & 4.359856 & 0.016354\end{array}$ $\begin{array}{lllllllll}1000 & 1061.234 & 0.019382 & 0.225091 & 0.319113 & 0.242399 & 5.718729 & 5.575098 & 0.0233336\end{array}$ $\begin{array}{llllllll}1000 & 784.7304 & 0.015147 & 0.224046 & 0.23778 & 0.201353 & 5.197088 & 6.90628 \\ 10.014226\end{array}$ $\begin{array}{llllllll}1000 & 1062.57 & 0.015462 & 0.231463 & 0.261693 & 0.259148 & 5.505104 & 8.205297 \\ 0.0222038\end{array}$ $\begin{array}{lllllllll}1000 & 1019.717 & 0.017795 & 0.24926 & 0.179088 & 0.231229 & 6.305983 & 6.549386 & 0.01858 \\ 1000 & 1138.599 & 0.013649 & 0.205529 & 0.1835 & 0.170692 & 4.715548 & 4.682748 & 0.019628\end{array}$ $\begin{array}{llllllllll}1000 & 1155.414 & 0.007229 & 0.199426 & 0.130836 & 0.192509 & 6.229401 & 5.056332 & 0.011295\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 999.3208 & 0.014832 & 0.190173 & 0.168107 & 0.160541 & 5.63703 & 5.371055 & 0.012433\end{array}$ $\begin{array}{llllllllllll}1000 & 1611.522 & 0.014435 & 0.213377 & 0.138627 & 0.205949 & 4.957959 & 5.090189 & 0.015413\end{array}$ $\begin{array}{lllllllll}1000 & 811.3092 & 0.016964 & 0.169815 & 0.119202 & 0.16115 & 4.467684 & 4.691604 & 0.020149\end{array}$ $\begin{array}{lllllllll}1000 & 1041.512 & 0.01846 & 0.218625 & 0.170534 & 0.206347 & 5.777996 & 5.65135 & 0.024937 \\ 1000 & 809.1549 & 0.015392\end{array}$ $\begin{array}{lllllllll}1000 & 809.1549 & 0.015332 & 0.196723 & 0.226187 & 0.188958 & 7.1115366 & 6.2318815 & 0.019692 \\ 1000 & 9222.9062 & 0.015924 & 0.122791 & 0.113854 & 0.127121 & 306658 & 4.48765 & 0.009234\end{array}$ \begin{tabular}{lllllllll}
1000 \& 922.9062 \& 0.015924 \& 0.122791 \& 0.113854 \& 0.127121 \& 3.906758 \& 4.488765 \& 0.009234 <br>
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 $\begin{array}{lllllllll}1000 & 801.508 & 0.016762 & 0.147692 & 0.203826 & 0.17376 & 6.478555 & 4.779396 & 0.020119 \\ 1000 & 1457.967 & 0.017712 & 0.149609 & 0.210551 & 0.182234 & 4.758408 & 4.207585 & 0.014774\end{array}$ $\begin{array}{lllllllll}1000 & 815.3718 & 0.017265 & 0.163488 & 0.177886 & 0.154695 & 4.041078 & 3.570728 & 0.0155\end{array}$ $\begin{array}{lllllllll}1000 & 1408.84 & 0.025148 & 0.224114 & 0.147099 & 0.21362 & 6.227531 & 5.564914 & 0.01595\end{array}$ $\begin{array}{lllllllll}1000 & 1364.606 & 0.029779 & 0.1752 & 0.207639 & 0.24573 & 6.111625 & 5.587419 & 0.018034\end{array}$ $\begin{array}{lllllllll}1000 & 1034.668 & 0.024839 & 0.2047 & 0.166096 & 0.190413 & 5.739475 & 4.901621 & 0.014788\end{array}$ $\begin{array}{lllllllll}1000 & 1687.716 & 0.026204 & 0.18178 & 0.17546 & 0.195454 & 6.326394 & 5.204213 & 0.019607\end{array}$ $\begin{array}{lllllllll}1000 & 937.2133 & 0.010714 & 0.159886 & 0.198541 & 0.114558 & 4.703155 & 4.431773 & 0.015083\end{array}$ $\left.\begin{array}{llllllll}1000 & 955.6852 & 0.019208 & 0.192642 & 0.21077 & 0.192658 & 5.535497 & 5.040963 \\ 10.014935 \\ 1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095\end{array}\right) 0.01408$ $\begin{array}{lllllllll}1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095 & 0.01408 \\ 1000 & 721.7317 & 0.011259 & 0.126972 & 0.153926 & 0.109748 & 5.168438 & 4.081017 & 0.019884\end{array}$ $\begin{array}{lllllllll}1000 & 978.8613 & 0.020827 & 0.171602 & 0.138375 & 0.135657 & 4.608329 & 4.898688 & 0.01418\end{array}$ $\begin{array}{lllllllll}1000 & 858.4745 & 0.016065 & 0.183134 & 0.148942 & 0.162199 & 4.585432 & 5.236608 & 0.016912\end{array}$ $\begin{array}{lllllllll}1000 & 1139.327 & 0.017657 & 0.181998 & 0.177058 & 0.163322 & 4.226618 & 4.617964 & 0.013363\end{array}$ $\begin{array}{lllllllll}1000 & 908.34406 & 0.018291 & 0.220114 & 0.22481 & 0.224499 & 5.249327 & 5.42221 & 0.0255131\end{array}$ $\begin{array}{lllllllll}1000 & 1059.108 & 0.013934 & 0.194648 & 0.141159 & 0.201267 & 6.749642 & 4.906608 & 0.024667\end{array}$ 

1000 \& 1018.021 \& 0.01271 \& 0.198637 \& 0.185134 \& 0.179844 \& 4.921095 \& 5.086247 \& 0.014283 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 1030.122 & 0.017085 & 0.218791 & 0.210625 & 0.151154 & 5.179916 & 5.981964 & 0.017916 \\ 1000 & 1038.126 & 0.012572 & 0.173904 & 0.135619 & 0.141515 & 6.257767 & 5.54675 & 0.022119\end{array}$ $\begin{array}{lllllllll}1000 & 859.6989 & 0.007786 & 0.15552 & 0.122057 & 0.109844 & 4.642348 & 4.549868 & 0.013024\end{array}$ $\begin{array}{lllllllll}1000 & 1003.592 & 0.008224 & 0.13663 & 0.147302 & 0.130995 & 4.760769 & 4.641888 & 0.020251\end{array}$ $\begin{array}{llllllllll}1000 & 1136.455 & 0.010831 & 0.151009 & 0.154676 & 0.133461 & 6.096725 & 6.86855 & 0.022383\end{array}$



$\begin{array}{llll}0.165271 & 0.338562 & 0.732043 & 0.802811\end{array}$ $\begin{array}{llll}0.08833 & 0.284086 & 0.887289 & 0.899417\end{array}$ $\begin{array}{llllllllll}0.158159 & 0.397397 & 0.888639 & 0.882836\end{array}$ $\begin{array}{llll}0.10796 & 0.32011 & 0.691909 & 0.91527\end{array}$ $\begin{array}{llll}0.172038 & 0.362428 & 0.911608 & 0.877064 \\ 0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0\end{array}$ $\begin{array}{llll}0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0.109168 & 0.359337 & 0.992617 & 1.11677\end{array}$ $\begin{array}{llll}0.129168 & 0.359337 & 0.992617 & 1.1167 \\ 0.176259 & 0.307427 & 0.841979 & 0.816764\end{array}$ $\begin{array}{lllll}0.085104 & 0.199712 & 0.556872 & 0.422675\end{array}$ 01181470.267365 $\begin{array}{llllll}0.181517 & 0.190571 & 0.658322 & 0.499067\end{array}$ $\begin{array}{lllll}0.185258 & 0.326195 & 0.650961 & 0.815807\end{array}$ $\begin{array}{lllll}0.123327 & 0.307502 & 0.665961 & 0.794382\end{array}$ $\begin{array}{llll}0.169806 & 0.28978 & 0.710669 & 0.84874\end{array}$ $\begin{array}{lllll}0.146305 & 0.317436 & 0.802996 & 0.794008\end{array}$ $\begin{array}{llll}0.219157 & 0.22734 & 0.856035 & 1.020257 \\ 0.187093\end{array}$ $\begin{array}{llll}0.181093 & 0.354251 & 0.873314 & 1.071379 \\ 0.162029 & 0.258501 & 0.675359 & 0.575371\end{array}$ $\begin{array}{llll}0.136132 & 0.197712 & 0.530078 & 0.482802\end{array}$ $\begin{array}{lllll}0.121159 & 0.213008 & 0.608518 & 0.922193\end{array}$ $\begin{array}{lllll}0.155293 & 0.272129 & 0.660606 & 0.868754\end{array}$ $\begin{array}{llllll}0.177759 & 0.197887 & 0.557299 & 0.581829\end{array}$ $\begin{array}{llll}0.321271 & 0.276006 & 1.062382 & 0.814761\end{array}$ $\begin{array}{llll}0.289553 & 0.225967 & 0.738939 & 0.608307\end{array}$ $\begin{array}{llll}0.330662 & 0.298546 & 0.802771 & 0.736004 \\ & 0336791 & 0.295036 & 0.7079\end{array}$ $\begin{array}{llll}0.235495 & 0.292528 & 1.23221 & 0.899102\end{array}$ $\begin{array}{lllll}0.284802 & 0.330788 & 1.383711 & 1.264245\end{array}$ $\begin{array}{lllll}0.198263 & 0.228588 & 0.90775 & 0.849767\end{array}$ $0.2379470 .3216510 .779528 \quad 0.891981$ $\begin{array}{llll}0.203474 & 0.204946 & 0.594556 & 0.532672\end{array}$ $\begin{array}{llll}0.135049 & 0.181097 & 0.478103 & 0.428293\end{array}$ $\begin{array}{llll}0.230671 & 0.390474 & 1.044096 & 1.090519 \\ 0\end{array}$ $\begin{array}{lllll}0.197074 & 0.417694 & 0.727016 & 0.81183\end{array}$ $\begin{array}{lllll}0.237592 & 0.330438 & 0.802532 & 1.192467\end{array}$ $\begin{array}{lllll}0.123695 & 0.29601 & 0.565638 & 0.534249\end{array}$ $\begin{array}{llllll}0.130955 & 0.305862 & 0.640145 & 0.846337\end{array}$ $\begin{array}{lllll}0.125303 & 0.286481 & 0.643937 & 0.563699\end{array}$ $\begin{array}{llll}0.126027 & 0.21043 & 0.681041 & 0.546393\end{array}$ $\begin{array}{llll}0.181197 & 0.335136 & 0.736292 & 0.752254 \\ & 0.72715 & 3323128\end{array}$ $\begin{array}{llll}0.2104947 & 0.314711 & 1.8282044 & 0.854767 \\ 0.65071\end{array}$ $\begin{array}{llll}0.095178 & 0.333466 & 0.570041 & 1.077624\end{array}$ $\begin{array}{lllll}0.151505 & 0.382963 & 0.840817 & 0.676775\end{array}$ $\begin{array}{llllll}0.221014 & 0.297386 & 0.863257 & 0.674005\end{array}$ $\begin{array}{llllll}0.138012 & 0.32848 & 1.361703 & 0.742897\end{array}$ $\begin{array}{lllll}0.128781 & 0.36134 & 0.957561 & 0.72816\end{array}$ $\begin{array}{rlll}0.103028 & 0.219795 & 0.654247 & 0.502931 \\ 0.2437 & 0.353494 & 0.763599 & 1039793\end{array}$ | 0.175402 | 0.353494 | 0.763599 | 1.039793 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.164517 & 0.362175 & 0.906525 & 0.993519\end{array}$ $\begin{array}{lllll}0.171937 & 0.260152 & 0.938156 & 0.739868\end{array}$ $\begin{array}{llll}0.132644 & 0.174829 & 0.809374 & 0.470407\end{array}$ $\begin{array}{llll}0.201009 & 0.318549 & 0.687642 & 0.75015\end{array}$ $\begin{array}{llll}0.157142 & 0.333203 & 1.253733 & 0.921224\end{array}$ $0.207218 \quad 0.412280 .9623391 .417192$ $\begin{array}{llll}0.111799 & 0.199117 & 0.518257 & 0.501246 \\ 0.232784 & 0.342213 & 0.890702 & 0.819462\end{array}$ $\begin{array}{lllll}0.2348387 & 0.329643 & 0.89270255 & 0.819462 \\ 0.584618\end{array}$ $\begin{array}{lllll}0.037689 & 0.209663 & 0.505199 & 0.580535\end{array}$ $\begin{array}{llllll}0.141267 & 0.381155 & 0.761783 & 1.014944\end{array}$ 0.102270 .2975240 .7467080 .630682

$\begin{array}{lllllllllllll}1000 & 1176.392 & 0.009339 & 0.223882 & 0.147924 & 0.197233 & 5.936977 & 5.828634 & 0.032122\end{array}$ $\begin{array}{llllllll}1000 & 1449.911 & 0.008455 & 0.201244 & 0.228758 & 0.182252 & 5.894502 & 7.321412\end{array} 0.0180344$ $\begin{array}{lllllllll}1000 & 1206.725 & 0.006613 & 0.208257 & 0.166548 & 0.182256 & 5.410039 & 6.298387 & 0.02793\end{array}$ $\begin{array}{lllllllll}1000 & 1153.112 & 0.011608 & 0.201524 & 0.189737 & 0.223577 & 6.153722 & 6.539302 & 0.016479\end{array}$ $\begin{array}{lllllllllll}1000 & 879.7162 & 0.005654 & 0.15734 & 0.184669 & 0.141257 & 4.800851 & 4.911867 & 0.017684\end{array}$ $\begin{array}{llllllllll}1000 & 1027.488 & 0.016847 & 0.164701 & 0.21048 & 0.190027 & 5.177158 & 5.763312 & 0.023053\end{array}$ $\begin{array}{lllllllll}1000 & 951.7502 & 0.006738 & 0.180962 & 0.145331 & 0.164149 & 6.057076 & 5.41244 & 0.023046 \\ 1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824\end{array}$ $\begin{array}{lllllllll}1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824 \\ 1000 & 885.1377 & 0.006764 & 0.198827 & 0.131814 & 0.169379 & 5426682 & 6.010938 & 0.021124\end{array}$ $\begin{array}{lllllllllllll}1000 & 654.2223 & 0.005489 & 0.121579 & 0.129549 & 0.116736 & 4.104841 & 3.968783 & 0.02032\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 918.0312 & 0.009419 & 0.104564 & 0.136506 & 0.085761 & 4.602403 & 4.310337 & 0.018862\end{array}$ $\begin{array}{lllllllllll}1000 & 700.2395 & 0.008863 & 0.144063 & 0.103809 & 0.121134 & 4.537471 & 4.491602 & 0.016519\end{array}$ $\begin{array}{lllllllll}1000 & 869.2292 & 0.008412 & 0.14245 & 0.11005 & 0.114931 & 4.595378 & 4.358848 & 0.014358\end{array}$ $\begin{array}{lllllllll}1000 & 869.3904 & 0.006875 & 0.125011 & 0.136946 & 0.119646 & 4.237999 & 4.094896 & 0.017452\end{array}$ $\begin{array}{lllllllll}1000 & 891.4142 & 0.011485 & 0.143277 & 0.1025 & 0.146308 & 6.116371 & 5.315717 & 0.015843 \\ 1000 & 118231 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069\end{array}$ $\begin{array}{lllllllll}1000 & 1182.31 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069 \\ 1000 & 1043.289 & 0.007826 & 0.184451 & 0.123694 & 0.112409 & 4.95562 & 6.974302 & 0.019683\end{array}$ $\begin{array}{lllllllll}1000 & 1043.289 & 0.007826 \\ 1000 & 954.4033 & 0.011123 & 0.137867 & 0.090998 & 0.118355 & 3.983603 & 4.160302 & 0.011392\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 893.2369 & 0.011098 & 0.095617 & 0.090043 & 0.1213 & 3.495246 & 3.893414 & 0.017505\end{array}$ $\begin{array}{llllllllll}1000 & 835.9977 & 0.010314 & 0.136617 & 0.12727 & 0.147919 & 4.960541 & 5.59141 & 0.014411\end{array}$ $\begin{array}{lllllllll}1000 & 1297.313 & 0.014084 & 0.140502 & 0.109721 & 0.152725 & 4.666128 & 5.403496 & 0.016234\end{array}$ $\begin{array}{llllllllll}1000 & 752.0421 & 0.007843 & 0.147911 & 0.065681 & 0.093297 & 4.553517 & 4.988777 & 0.015082\end{array}$ $\begin{array}{lllllllll}1000 & 1062.285 & 0.007624 & 0.168544 & 0.128656 & 0.156726 & 6.10898 & 7.585749 & 0.012887 \\ 1000 & 7353933 & 0.09541 & 0.13563 & 0.11779 & 0.125503 & 5.03335 & 4.60448 & 0.016108\end{array}$ $\begin{array}{llllllll}1000 & 735.3933 & 0.009541 & 0.134563 & 0.117798 & 0.125503 & 5.03835 & 4.604488 \\ 0.016102 \\ 1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 0 & 0.016084\end{array}$ $\begin{array}{rrrrrrrr}1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 1000 & 911.2085 & 0.012915 & 0.219113 & 0.221307 & 0.19587 & 5.268428 & 5.498046 \\ 0.017847\end{array}$ $\begin{array}{lllllllll}1000 & 1201.721 & 0.016389 & 0.202642 & 0.2137672 & 0.230505 & 5.272565 & 5.612118 & 0.01259\end{array}$ $\begin{array}{lllllllll}1000 & 1885.152 & 0.017527 & 0.266048 & 0.279222 & 0.258977 & 6.9777264 & 8.691399 & 0.024364\end{array}$ $\begin{array}{lllllllll}1000 & 739.1992 & 0.0159476 & 0.1893356 & 0.2179222 & 0.258977 & 6.977264 & 8.691399 & 0.024364 \\ 1003 & 0.136877 & 4.481139 & 5.351045 & 0.011933\end{array}$ $\begin{array}{llllllll}1000 & 752.9992 & 0.010357 & 0.15088 & 0.15167 & 0.133039 & 4.982923 & 5.020168 \\ 0.014422\end{array}$ $\begin{array}{lllllllll}1000 & 680.2828 & 0.011216 & 0.1245 & 0.090278 & 0.11912 & 3.935628 & 4.657557 & 0.010617 \\ 1000 & 557.0139 & 0.00538 & 0.120956 & 0.137526 & 0.108055 & 3.20269 & 3.785064 & 0.02774\end{array}$ $\begin{array}{lllllllll}1000 & 557.9139 & 0.005538 & 0.120956 & 0.137526 & 0.108085 & 3.120269 & 3.785064 & 0.00774 \\ 1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182\end{array}$ $\begin{array}{lllllllll}1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182 \\ 1000 & 1189.649 & 0.008888 & 0.16959 & 0.126933 & 0.157421 & 5788241 & 4.21145 & 0.012183\end{array}$ $\begin{array}{lllllllll}1000 & 11290.852 & 0.010162 & 0.206757 & 0.13846 & 0.187256 & 5.202437 & 4.758804 & 0.0144266\end{array}$ $\begin{array}{llllllllll}1000 & 1040.924 & 0.009145 & 0.221482 & 0.239852 & 0.204726 & 4.940656 & 6.836391 & 0.017954\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 797.1574 & 0.009127 & 0.165092 & 0.111927 & 0.114574 & 4.989907 & 5.534317 & 0.011612\end{array}$ $\begin{array}{llllllllll}1000 & 842.8301 & 0.015222 & 0.203262 & 0.131686 & 0.141071 & 4.391348 & 4.935339 & 0.011716\end{array}$ $\begin{array}{llllllllll}1000 & 1490.755 & 0.009048 & 0.181139 & 0.217471 & 0.150057 & 4.144053 & 4.451831 & 0.010303\end{array}$ $\begin{array}{lllllllll}1000 & 961.1447 & 0.007994 & 0.183743 & 0.125846 & 0.124451 & 4.247568 & 4.144942 & 0.011485\end{array}$ $\begin{array}{lllllllll}1000 & 962.3905 & 0.011964 & 0.209469 & 0.173386 & 0.17194 & 6.76561 & 5.541092 & 0.012575 \\ 1000 & 873.0617 & 0.007003 & 0.251627 & 0.133829 & 0.144111 & 5.760294 & 5.783176 & 0.014397\end{array}$ $\begin{array}{llllllllll}1000 & 914.313 & 0.012789 & 0.283389 & 0.184466 & 0.223957 & 6.340428 & 5.826989 & 0.02472\end{array}$ $\begin{array}{lllllllllll}1000 & 861.282 & 0.008701 & 0.140124 & 0.155393 & 0.153308 & 3.810806 & 3.752644 & 0.018202\end{array}$ $\begin{array}{lllllllll}1000 & 1100.071 & 0.015636 & 0.176067 & 0.128857 & 0.183139 & 5.060252 & 5.43718 & 0.014926\end{array}$ $\begin{array}{llllllllll}1000 & 839.6375 & 0.01069 & 0.154724 & 0.230483 & 0.131266 & 5.079039 & 4.870354 & 0.011872\end{array}$ $\begin{array}{lllllllll}1000 & 838.8934 & 0.015243 & 0.162842 & 0.200806 & 0.146669 & 4.74062 & 4.918612 & 0.014553\end{array}$ $\begin{array}{lllllllll}1000 & 1378.606 & 0.014767 & 0.155251 & 0.114664 & 0.1482 & 5.818197 & 6.743419 & 0.01637 \\ 1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.99339 & 4.092147 & 3.987655 & 0.010248\end{array}$ $\begin{array}{llllllll}1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.099339 & 4.092147 & 3.987655 \\ 0 & 0.010248 \\ 1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 \\ 0 & 0.010942\end{array}$ $\begin{array}{lllllllll}1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 & 0.010942 \\ 1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581\end{array}$ $\begin{array}{lllllllll}1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581 \\ 1000 & 1220.21 & 0.015937 & 0.119136 & 0.074566 & 0.1284 & 4.988453 & 4.849615 & 0.007617\end{array}$ $\begin{array}{llllllllll}1000 & 967.6882 & 0.018448 & 0.114783 & 0.059078 & 0.087726 & 4.565373 & 5.972436 & 0.010202\end{array}$ $\begin{array}{lllllllll}1000 & 1068.855 & 0.013434 & 0.093523 & 0.08464 & 0.067873 & 4.065189 & 4.546352 & 0.004419\end{array}$ $\begin{array}{lllllllllll}1000 & 1196.088 & 0.014084 & 0.122829 & 0.105532 & 0.061107 & 5.353264 & 5.558762 & 0.008483\end{array}$ $\begin{array}{lllllllll}1000 & 1157.73 & 0.020874 & 0.11678 & 0.163834 & 0.099527 & 4.918226 & 6.4911266 & 0.0074005 \\ 1000 & 1119.189 & 0.022058 & 0.122284 & 0.174515 & 0.105391 & 628878 & 526944 & 0.015879\end{array}$ $\begin{array}{lllllllll}1000 & 1119.189 & 0.022958 & 0.122184 & 0.174519 & 0.105301 & 6.248778 & 5.269644 & 0.015879 \\ 1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536\end{array}$ $\begin{array}{lllllllll}1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536 \\ 1000 & 1333.524 & 0.016198 & 0.146672 & 0.110766 & 0.103401 & 5.952586 & 6.333566 & 0.008493\end{array}$ $\begin{array}{llllllllll}1000 & 1087.527 & 0.015839 & 0.126906 & 0.117121 & 0.112544 & 4.09639 & 4.576249 & 0.0009812\end{array}$ $\begin{array}{llllllllll}1000 & 974.8009 & 0.01059 & 0.069674 & 0.050936 & 0.06646 & 3.033334 & 2.955827 & 0.008834\end{array}$ $\begin{array}{llllllllllll}1000 & 1329.793 & 0.016656 & 0.136245 & 0.094476 & 0.125941 & 5.645652 & 5.429001 & 0.010726\end{array}$ $\begin{array}{lllllllllll}1000 & 1129.234 & 0.012297 & 0.092571 & 0.072281 & 0.09431 & 4.768411 & 4.802033 & 0.008293\end{array}$


[^3]$\begin{array}{llllll}0.12437 & 0.30944 & 0.905182 & 0.666773\end{array}$ $\begin{array}{lllll}0.112747 & 0.381252 & 0.73942 & 0.633301\end{array}$ 0.127410 .2449330 .6447990 .58666 100180.2898040 .5861960 .626755 $\begin{array}{llll}0.079185 & 0.250671 & 0.546795 & 0.577488 \\ 0.094014 & 0.327255 & 0.609622 & 0.705275\end{array}$ $\begin{array}{lllllll}0.067652 & 0.242634 & 0.551861 & 0.452938\end{array}$ $\begin{array}{lllll}0.078676 & 0.283023 & 0.691621 & 0.375085\end{array}$ $\begin{array}{llll}0.122181 & 0.326381 & 0.778171 & 0.659199 \\ 0.074673 & 0.253273 & 0.607094 & 0.588179\end{array}$ $\begin{array}{llll}0.064092 & 0.187657 & 0.580469 & 0.643254\end{array}$ $\begin{array}{llllllllllll}0.085947 & 0.268046 & 0.900378 & 0.685577\end{array}$ $\begin{array}{llllllll}0.068185 & 0.284287 & 0.745242 & 0.663225\end{array}$ $\begin{array}{llllll}0.089826 & 0.414334 & 0.693625 & 0.485931\end{array}$ $\begin{array}{lllllllll}0.106994 & 0.364996 & 1.165837 & 0.683796\end{array}$ $\begin{array}{llll}0.117147 & 0.329575 & 0.751998 & 0.814782\end{array}$ 0.0914310 .3958870 .7392380 .787424 | 0.165342 | 0.297821 | 0.931199 | 0.8494446 |
| :--- | :--- | :--- | :--- | :--- | $0.1736360 .2756390 .661189 \quad 0.680127$ $\begin{array}{llllll}0.169387 & 0.348886 & 0.707563 & 1.677468\end{array}$ $\begin{array}{llllllll}0.081075 & 0.217724 & 0.505679 & 0.545732\end{array}$ $\begin{array}{llllllllll}0.143651 & 0.33046 & 0.835232 & 0.921258\end{array}$ $\begin{array}{llllll}0.147403 & 0.316587 & 0.923051 & 0.779947\end{array}$ $\begin{array}{lllll}0.114674 & 0.236582 & 1.033911 & 0.667252 \\ 0.09075 & 0.23580 & 0.63318 & 0.55774\end{array}$ $\begin{array}{llll}0.05075 & 0.235804 & 1.6373318 & 0.55274 \\ & 0.078227 & 0.257924 & 0.536975\end{array}$ 1263670.3139210 .7194520 .979811 $0.1509570 .447099 \quad 0.7158590 .678464$ $\begin{array}{llllll}0.076217 & 0.266301 & 0.764912 & 0.442219\end{array}$ $\begin{array}{lllll}0.124691 & 0.35631 & 0.990766 & 0.974501\end{array}$ $\begin{array}{llll}0.110196 & 0.305379 & 0.805359 & 1.09134\end{array}$ $\begin{array}{llll}0.10797 & 0.295199 & 0.841204 & 0.532967\end{array}$ $\begin{array}{lllll}0.106575 & 0.269535 & 0.651404 & 0.756117 \\ 0.13957 & 0.300914 & 0.972862 & 0.896515\end{array}$ 0869780.2544580 .566019 $\begin{array}{lllll}0.113092 & 0.245508 & 0.51395 & 0.981856\end{array}$ $\begin{array}{lllll}0.143095 & 0.39238 & 1.286654 & 1.083127\end{array}$ $\begin{array}{llllll}0.097734 & 0.23606 & 0.529174 & 0.565799\end{array}$ $\begin{array}{llllll}0.149912 & 0.426281 & 1.028886 & 0.746812\end{array}$ $\begin{array}{lllll}0.159933 & 0.367895 & 0.797849 & 0.924965\end{array}$ $\begin{array}{llll}0.119984 & 0.278304 & 0.654384 & 0.742527 \\ 0.089225 & 0.302501 & 0.63458 & 0.639997\end{array}$ $\begin{array}{lllll}0.11448 & 0.34959 & 0.715291 & 0780763\end{array}$ $\begin{array}{lllll}0.100671 & 0.232818 & 0.864757 & 0.570118\end{array}$ $\begin{array}{lllll}0.141114 & 0.327564 & 1.11474 & 0.647769\end{array}$ $\begin{array}{llllllll}0.137736 & 0.452474 & 0.703285 & 1.078613\end{array}$ 0.0747430 .3616491 .0867710 .874955 $\begin{array}{llll}0.123009 & 0.271271 & 0.84236 & 0.829999\end{array}$ $\begin{array}{lllll}0.094344 & 0.338133 & 0.823827 & 0.654503\end{array}$ $\begin{array}{lllll}0.1077824 & 0.480215 & 0.835188 & 1.563535\end{array}$ $0.085 \quad 0.3673190 .6383140 .880174$ $\begin{array}{llllll}0.118366 & 0.26524 & 0.860274 & 1.521522\end{array}$ $\begin{array}{lllllll}0.119442 & 0.306921 & 0.706822 & 0.588799\end{array}$ $\begin{array}{llllll}0.097932 & 0.344529 & 0.649995 & 0.720958\end{array}$ $\begin{array}{lllll}0.078623 & 0.171024 & 0.429425 & 0.444682\end{array}$ $\begin{array}{llll}0.102751 & 0.382723 & 0.814195 & 0.974721 \\ 0.084623 & 0.344251 & 0.06696 & 0.757767\end{array}$ $\begin{array}{llll}0.084623 & 0.344251 & 0.906796 & 0.757767\end{array}$ $\begin{array}{llllll}144474 & 0.385752 & 0.938536 & 1204779\end{array}$ $\begin{array}{lllll}0.063574 & 0.253147 & 0.411843 & 0.418881\end{array}$ $\begin{array}{llllll}0.128036 & 0.274318 & 0.679722 & 0.583283\end{array}$ $\begin{array}{lllllll}0.15902 & 0.547362 & 0.999476 & 1.461477\end{array}$


$\begin{array}{lllllllll}1000 & 1105.092 & 0.014766 & 0.096363 & 0.123244 & 0.087826 & 4.755424 & 5.611437 & 0.006861\end{array}$ | 1000 | 892.5568 | 0.018 | 0.11045 | 0.0959907 | 0.123956 | 4.3333891 | 6.0733541 | 0.00078657 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{rrrrrrrrr}1000 & 835.0901 & 0.016605 & 0.08241 & 0.1039 & 0.095414 & 4.806115 & 4.961424 & 0.004806 \\ 1000 & 773.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 & 0.007389\end{array}$ $\begin{array}{llllllll}1000 & 73.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 \\ 1000 & 757.0432 & 0.008656 & 0.071824 & 0.061064 & 0.074791 & 3.571428 & 5.039602 \\ 0.007394\end{array}$ $\begin{array}{lllllllll}1000 & 1446.842 & 0.00979 & 0.097498 & 0.05435 & 0.061092 & 4.295082 & 4.765279 & 0.0073675\end{array}$ $\begin{array}{lllllllll}1000 & 700.1427 & 0.008817 & 0.054148 & 0.061675 & 0.056633 & 3.261626 & 3.370829 & 0.005893 \\ 1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.911855 & 4.87672 & 0.006559\end{array}$ $\begin{array}{lllllllll}1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.991085 & 4.487672 & 0.006559 \\ 1000 & 1690.836 & 0.0141 & 0.088813 & 0.068565 & 0.085737 & 4.18561 & 5.138667 & 0.004562\end{array}$ $\begin{array}{lllllllll}1000 & 1690.836 & 0.0141 & 0.086813 & 0.068565 & 0.085737 & 4.418651 & 5.138067 & 0.004562 \\ 1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808\end{array}$ $\begin{array}{lllllllll}1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808 \\ 1000 & 585.9917 & 0.006335 & 0.051447 & 0.064627 & 0.04872 & 3.269819 & 3.703791 & 0.004785\end{array}$

 $\begin{array}{lllllllll}1000 & 801.2701 & 0.012566 & 0.089683 & 0.07876 & 0.077488 & 4.277399 & 4.133697 & 0.008061\end{array}$ $\begin{array}{llllllll}1000 & 933.0404 & 0.009069 & 0.120497 & 0.090576 & 0.086319 & 5.555397 & 5.002637 \\ 0 & 0.008357\end{array}$ $\begin{array}{llllllllll}1000 & 1052.6 & 0.017549 & 0.111265 & 0.0880533 & 0.087011 & 5.922613 & 5.116567 & 0.0006887\end{array}$ | 1000 | 1236.845 | 0.016572 | 0.10161 | 0.098289 | 0.091245 | 5.82727 | 4.989197 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1198.802 | 0.0007819618 | 0.161823 | 0.0292914 | 0.143539 | 4.366496 | 4.731463 | $\begin{array}{lllllllll}1000 & 1198.802 & 0.019618 & 0.161823 & 0.092919 & 0.143539 & 4.366496 & 4.731463 & 0.011515 \\ 1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809\end{array}$ $\begin{array}{lllllllll}1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809 \\ 1000 & 1316.317 & 0.022939 & 0.094307 & 0.102548 & 0.132539 & 5.223293 & 5.639309 & 0.009799\end{array}$ $\begin{array}{lllllllllllll}1000 & 1091.831 & 0.017279 & 0.109752 & 0.073038 & 0.103167 & 5.416845 & 4.969777 & 0.009119\end{array}$ $\begin{array}{llllllllll}1000 & 1171.01 & 0.01422 & 0.125049 & 0.135668 & 0.128734 & 6.153437 & 6.314737 & 0.009351\end{array}$ $\begin{array}{lllllllll}1000 & 990.0574 & 0.008939 & 0.090201 & 0.077489 & 0.081927 & 3.560224 & 3.929657 & 0.00713\end{array}$ $\begin{array}{lllllllll}1000 & 1177.33 & 0.010043 & 0.121869 & 0.096204 & 0.073022 & 6.835366 & 7.002342 & 0.012133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.726 & 0.020937 & 0.102231 & 0.081104 & 0.109691 & 4.902837 & 6.787431 & 0.006611\end{array}$ $\begin{array}{lllllllll}1000 & 1315.845 & 0.009786 & 0.100325 & 0.076747 & 0.073621 & 5.419315 & 4.868953 & 0.008336\end{array}$ $\begin{array}{lllllllll}1000 & 753.1612 & 0.011546 & 0.08811 & 0.073328 & 0.056216 & 3.311268 & 3.313264 & 0.006551 \\ 1000 & 804.0128 & 0.010611 & 0.083517 & 0.068412 & 0.056384 & 3.310357 & 4.233062 & 0.00843\end{array}$ $\begin{array}{llllllllllllllll}1000 & 1013.1 & 0.013102 & 0.11277 & 0.078353 & 0.094254 & 7.579386 & 5.209694 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 1415.868 & 0.012013 & 0.124035 & 0.120066 & 0.098246 & 5.116583 & 4.88613 & 0.008134\end{array}$ $\begin{array}{lllllllll}1000 & 610.6806 & 0.004706 & 0.069937 & 0.10333 & 0.068003 & 2.917802 & 3.14514 & 0.005375\end{array}$ $\begin{array}{llllllllll}1000 & 1030.009 & 0.01172 & 0.097935 & 0.092336 & 0.104957 & 5.173254 & 4.691363 & 0.006997\end{array}$ $\begin{array}{lllllllll}1000 & 1053.813 & 0.006702 & 0.10595 & 0.060788 & 0.068683 & 4.881885 & 4.12111 & 0.0075338 \\ 1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & .390986 & 414298 & 0.007018\end{array}$ $\begin{array}{lllllllll}1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & 3.960986 & 4.14298 & 0.007018 \\ 1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.07318\end{array}$ $\begin{array}{lllllllll}1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.007318 \\ 1000 & 1372.558 & 0.010668 & 0.096254 & 0.104346 & 0.091741 & 5.159522 & 6.425217 & 0.006457\end{array}$ $\begin{array}{lllllllll}1000 & 824.5876 & 0.006078 & 0.080108 & 0.092562 & 0.0741 & 3.944416 & 3.9977709 & 0.0067047\end{array}$

 $\begin{array}{llllllllll} & 000 & 954.2253 & 0.011048 & 0.149877 & 0.186952 & 0.157538 & 5.91094 & 7.462015 & 0.015875\end{array}$ $\begin{array}{lllllllll}1000 & 1028.729 & 0.008774 & 0.12623 & 0.144816 & 0.097397 & 4.251522 & 4.218424 & 0.006603\end{array}$ $\begin{array}{lllllllll}1000 & 1050.314 & 0.007615 & 0.16769 & 0.18062 & 0.139368 & 7.397999 & 5.359317 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1669.22 & 0.008737 & 0.148415 & 0.118475 & 0.101552 & 4.936108 & 6.267155 & 0.007484\end{array}$ $\begin{array}{lllllllll}1000 & 887.264 & 0.007942 & 0.11573 & 0.092789 & 0.107319 & 4.139735 & 4.746539 & 0.006914\end{array}$ $\begin{array}{lllllllllll}1000 & 888.6373 & 0.005851 & 0.120667 & 0.08249 & 0.117977 & 4.632688 & 5.822165 & 0.009408 \\ 1000 & 988.0648 & 0.005252 & 0.160855 & 0.143556 & 0.140295 & 5.179484 & 5.245099 & 0.008757\end{array}$ $\begin{array}{lllllllllll}1000 & 856.2812 & 0.006825 & 0.132249 & 0.106995 & 0.124418 & 4.679574 & 3.718188 & 0.010609\end{array}$ $\begin{array}{llllllllllll}1000 & 993.5653 & 0.010862 & 0.129773 & 0.149713 & 0.1112 & 5.080851 & 6.309879 & 0.013008\end{array}$ $\begin{array}{lllllllll}1000 & 1121.438 & 0.00788 & 0.209371 & 0.170415 & 0.170407 & 4.95648 & 4.807475 & 0.013147\end{array}$ $\begin{array}{lllllllll}1000 & 1181.319 & 0.007746 & 0.207952 & 0.228154 & 0.128972 & 5.170134 & 5.008281 & 0.011843\end{array}$ $\begin{array}{lllllllll}1000 & 977.0996 & 0.0131 & 0.157712 & 0.113783 & 0.145396 & 5.733117 & 6.279094 & 0.011486\end{array}$ $\begin{array}{lllllllll}1000 & 1080.332 & 0.01095 & 0.117303 & 0.094113 & 0.096145 & 4.616004 & 5.424817 & 0.004899 \\ 1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108\end{array}$ $\begin{array}{lllllllll}1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108 \\ 1000 & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863\end{array}$ $\begin{array}{lllllllll} & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863 \\ 1000 & 1075.87 & 0.010789 & 0.162713 & 0.122742 & 0.14624 & 6.068447 & 5.657683 & 0.009251\end{array}$ $\begin{array}{llllllllll}1000 & 973.179 & 0.007254 & 0.154798 & 0.091279 & 0.103994 & 4.723108 & 4.426468 & 0.011375\end{array}$ $\begin{array}{lllllllll}1000 & 1036.719 & 0.006388 & 0.112896 & 0.107704 & 0.101394 & 3.68412 & 3.670745 & 0.004995\end{array}$ $\begin{array}{lllllllll}1000 & 1122.152 & 0.006653 & 0.118294 & 0.132685 & 0.129507 & 7.106644 & 4.733732 & 0.0095441\end{array}$ $\begin{array}{llllllllll}1000 & 552.2547 & 0.004533 & 0.072366 & 0.04007 & 0.067557 & 3.398653 & 3.273972 & 0.006712\end{array}$ $\begin{array}{lllllllll}1000 & 1077.994 & 0.006838 & 0.131668 & 0.113637 & 0.082503 & 4.636687 & 4.6695 & 0.007225\end{array}$ | 000 | 1117.627 | 0.007624 | 0.116165 | 0.13971 | 0.120569 | 5.151453 | 5.035786 | 0.009776 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 683.0605 | 0.006681 | 0.094835 | 0.063998 | 0.087346 | 3.313042 | 3.356565 | 0.005753 | $\begin{array}{lllllllll}1000 & 683.0605 & 0.006681 & 0.094835 & 0.063998 & 0.087346 & 3.313042 & 3.395635 & 0.005253 \\ 1000 & 1230.066 & 0.014954 & 0.161209 & 0.183921 & 0.111571 & 5.531636 & 7.602663 & 0.010824\end{array}$ $\begin{array}{lllllllll}1000 & 1350.056 & 0.014954 & 0.161109 & 0.183921 & 0.11157 & 5.531636 & 7.602663 & 0.010824 \\ 1000 & 755.2571 & 0.006092 & 0.06626 & 0.050913 & 0.047263 & 3.062147 & 4.499276 & 0.006234\end{array}$ $\begin{array}{lllllllll}000 & 807.0995 & 0.010626 & 0.113431 & 0.118033 & 0.056273 & 4.454462 & 4.652364 & 0.007042\end{array}$ $\begin{array}{lllllllll}1000 & 1606.912 & 0.011159 & 0.14641 & 0.131425 & 0.122007 & 6.592695 & 8.691475 & 0.007447\end{array}$



$\begin{array}{llll}0.083696 & 0.201797 & 0.917095 & 0.845605\end{array}$ $\begin{array}{llll}0.103333 & 0.276703 & 0.661272 & 0.75158 \\ 0.088213 & 0.323538 & 0.916008 & 0.789407\end{array}$ $\begin{array}{llllll}0.079282 & 0.302117 & 1.086334 & 0.863936\end{array}$ $\begin{array}{lllll}0.097405 & 0.324281 & 1.114693 & 1.355481\end{array}$ $\begin{array}{llllll}0.077352 & 0.306383 & 0.921915 & 0.583043\end{array}$ $\begin{array}{llll}0.076344 & 0.266908 & 0.528052 & 0.770031\end{array}$ $\begin{array}{lllll}0.077251 & 0.355244 & 0.701179 & 0.792349\end{array}$ $\begin{array}{rrrr}0.123527 & 0.310076 & 0.8757 & 0.76015 \\ 0.098473 & 0.305204 & 0.66436 & 0.637576\end{array}$ $\begin{array}{lllll}0.111156 & 0.2428 & 0.526604 & 1.001757\end{array}$ $\begin{array}{llllllll}0.075805 & 0.305611 & 0.723196 & 0.746406\end{array}$ $\begin{array}{lllll}0.073657 & 0.268603 & 0.553683 & 0.505668\end{array}$ $\begin{array}{llllllll}0.094724 & 0.210428 & 0.662241 & 1.086058\end{array}$ $\begin{array}{llllllll}0.067853 & 0.324909 & 0.873279 & 0.457086\end{array}$ $\begin{array}{lllll}0.041559 & 0.245832 & 0.787969 & 0.475841\end{array}$ | 0.062717 | 0.377104 | 1.132919 | 0.881158 |
| :--- | :--- | :--- | :--- |
| 078472 | 0.254547 | 0.79151 | 0.577032 | $\begin{array}{llll}0.08472 & 0.254547 & 0.79151 & 0.577032 \\ 0.081907 & 0.405284 & 0.952685 & 0.775906\end{array}$ $\begin{array}{llllll}0.133433 & 0.418531 & 0.89542 & 0.774429\end{array}$ $\begin{array}{llllll}0.043375 & 0.257209 & 0.572246 & 0.53952\end{array}$ $\begin{array}{lllllll}0.062871 & 0.292291 & 0.855482 & 0.744521\end{array}$ $\begin{array}{llllll}0.058979 & 0.214954 & 0.449502 & 0.672705\end{array}$ $\begin{array}{llll}0.058963 & 0.296526 & 0.566583 & 0.74368\end{array}$ $\begin{array}{llll}0.063948 & 0.310955 & 1.431218 & 0.675923\end{array}$ $\begin{array}{lllll}0.065787 & 0.275406 & 0.40973 & 0.481235\end{array}$ $0.040818 \quad 0.271853 \quad 0.60664 \quad 0.502385$ $\begin{array}{llllllllll}0.078382 & 0.312809 & 0.636326 & 0.726662\end{array}$ $\begin{array}{llllll}0.055099 & 0.279054 & 0.860321 & 0.885344\end{array}$ $0.0624 \quad 0.3162150 .4956210 .521928$ $\begin{array}{lllll}0.045926 & 0.282943 & 0.611198 & 0.492008\end{array}$ $\begin{array}{llllll}0.025522 & 0.291445 & 0.518871 & 0.567282\end{array}$ $\begin{array}{llll}0.079169 & 0.406742 & 0.52884 & 0.657153 \\ 0.05595 & 0.392127 & 0.60589 & 0.655529\end{array}$ $\begin{array}{lllll}0.082029 & 0.457817 & 0.844718 & 0.676885\end{array}$ $\begin{array}{llllll}0.046802 & 0.424729 & 0.634265 & 0.582386\end{array}$ $\begin{array}{lllll}0.051101 & 0.398233 & 0.790261 & 0.774236\end{array}$ $\begin{array}{lllll}0.089618 & 0.365711 & 0.5222 & 0.874647\end{array}$ $\begin{array}{llll}0.062073 & 0.412484 & 0.850796 & 1.006944\end{array}$ $\begin{array}{lllll}0.046661 & 0.328859 & 0.519283 & 0.480545\end{array}$ $\begin{array}{llll}0.045325 & 0.354592 & 0.81187 & 0.766764\end{array}$ 0691670.2313630 .5396880 .011879 $\begin{array}{lllll}0.083819 & 0.434603 & 1.476378 & 0.774401\end{array}$ $\begin{array}{lllll}0.058881 & 0.294623 & 1.111291 & 0.64152\end{array}$ $\begin{array}{lllll}0.073583 & 0.336673 & 1.154727 & 0.647747\end{array}$ 0.0643790 .4035670 .9954310 .794958 $\begin{array}{llll}0.07489 & 0.329479 & 0.802012 & 0.572851\end{array}$ $\begin{array}{lllll}0.05626 & 0.188213 & 0.460865 & 0.56473\end{array}$ $\begin{array}{lllll}0.117151 & 0.288318 & 0.86145 & 0.56373\end{array}$ $0.098370 .408764 \quad 1.0533830 .764163$ $\begin{array}{llllll}0.113329 & 0.324361 & 0.909241 & 1.112609\end{array}$ $\begin{array}{lllllll}0.089391 & 0.407538 & 0.991559 & 0.909655\end{array}$ 0.0741430 .2169050 .8189080 .464064 $\begin{array}{llll}0.066423 & 0.32418 & 1.081762 & 0.735518\end{array}$ $\begin{array}{lllll}0.084891 & 0.213973 & 0.583193 & 0.508413\end{array}$ $\begin{array}{llll}0.111603 & 0.397139 & 1.065156 & 0.838418 \\ 0.097847 & 0.272248 & 0.651496 & 0.858592\end{array}$ $\begin{array}{lllll}0.85848 \\ 0.079053 & 0.229241 & 0.5319599 & 0.612442\end{array}$ $\begin{array}{llllll}0.077328 & 0.308199 & 0.740873 & 0.597106\end{array}$ $\begin{array}{llllll}0.124329 & 0.261266 & 0.823266 & 0.73284\end{array}$ $\begin{array}{lllll}0.065222 & 0.18947 & 0.559972 & 0.365039\end{array}$


$\begin{array}{lllllllll}1000 & 1016.221 & 0.007099 & 0.094623 & 0.08589 & 0.092663 & 4.486746 & 4.963973 & 0.011594 \\ 1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 & 0.006518\end{array}$ $\begin{array}{llllllll}1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 \\ 0.006518 \\ 1000 & 950.2908 & 0.01302 & 0.120415 & 0.131304 & 0.10192 & 4.707709 & 6.204489 \\ 0.012003\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.111084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.117084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213 \\ 1000 & 1110.14 & 0.023229 & 0.13956 & 0.174083 & 0.128907 & 5.209649 & 5.21494 & 0.014084\end{array}$ | 1000 | 852.3185 | 0.016419 | 0.103542 | 0.106813 | 0.071966 | 4.23153 | 5.233355 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.008169 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1574.105 & 0.014493 & 0.117124 & 0.103436 & 0.084973 & 4.221981 & 3.819687 & 0.012251 \\ 1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5370208 & 6.677 & 0.012442\end{array}$ $\begin{array}{lllllllll}1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5.370208 & 6.677 & 0.012442 \\ 1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.85036 & 0.008304\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.858036 \\ 0.008304 \\ 1000 & 899.5454 & 0.01397 & 0.150538 & 0.109549 & 0.107297 & 4.375538 & 4.969924 \\ 0.006723\end{array}$ $\begin{array}{lllllllll}1000 & 1090.788 & 0.012767 & 0.14373 & 0.085471 & 0.111843 & 4.124196 & 5.056014 & 0.0010143\end{array}$ $\begin{array}{llllllllll}1000 & 865.9338 & 0.009617 & 0.125013 & 0.089434 & 0.106407 & 4.255877 & 4.462817 & 0.00857\end{array}$ $\begin{array}{llllllllll}1000 & 1135.011 & 0.00989 & 0.102061 & 0.093735 & 0.096517 & 4.20032 & 3.783032 & 0.004361\end{array}$ $\begin{array}{lllllllll}1000 & 1076.333 & 0.01365 & 0.128134 & 0.071661 & 0.139444 & 4.194757 & 5.710145 & 0.009123\end{array}$ $\begin{array}{llllllllll}1000 & 804.5285 & 0.007785 & 0.117597 & 0.15865 & 0.097554 & 4.676369 & 5.116258 & 0.005377\end{array}$ $\begin{array}{lllllllll}1000 & 707.2561 & 0.008202 & 0.114214 & 0.149803 & 0.095782 & 4.322039 & 4.078639 & 0.010286 \\ 1000 & 1170.893 & 0.014653 & 0.142921 & 0.14883 & 0.127582 & 5.1683 & 4.841204 & 0.007479\end{array}$ $\begin{array}{llllllll}1000 & 11770.893 & 0.014653 & 0.149221 & 0.148835 & 0.127582 & 5.16803 & 4.841204 \\ 0 & 0.007479 \\ 1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697\end{array} 0.008242$ $\begin{array}{lllllllll}1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697 & 0.008242 \\ 1000 & 1226.172 & 0.007848 & 0.170748 & 0.176601 & 0.180191 & 6.182361 & 5.684843 & 0.010146\end{array}$ $\begin{array}{llllllllll}1000 & 1215.358 & 0.010439 & 0.152939 & 0.186098 & 0.12052 & 5.126152 & 4.540818 & 0.009699\end{array}$ $\begin{array}{llllllllll}1000 & 593.8731 & 0.005299 & 0.109777 & 0.101871 & 0.101497 & 3.216839 & 2.960629 & 0.007717\end{array}$ $\begin{array}{llllllllll}1000 & 1236.537 & 0.00626 & 0.140107 & 0.104027 & 0.104237 & 4.537283 & 3.949645 & 0.008389\end{array}$ $\begin{array}{llllllllll}1000 & 787.6389 & 0.007324 & 0.101815 & 0.069231 & 0.08097 & 3.740782 & 3.691418 & 0.005012\end{array}$ $\begin{array}{lllllllll}1000 & 871.03377 & 0.007587 & 0.1071 & 0.126963 & 0.111998 & 3.478503 & 3.261468 & 0.007906 \\ 1000 & 1077921 & 0.01638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29292 & 0.006344\end{array}$ $\begin{array}{lllllllll}1000 & 1077.921 & 0.011638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29294 & 0.006344 \\ 1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927\end{array}$ $\begin{array}{lllllllll}1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927 \\ 1000 & 770.8747 & 0.005289 & 0.11753 & 0.095405 & 0.095173 & 3.670777 & 3.688437 & 0.003774\end{array}$ $\begin{array}{lllllllll}1000 & 770.8747 & 0.005289 & 0.11153 & 0.095405 & 0.0951773 & 3.670777 & 3.688337 & 0.003774 \\ 1000 & 729.9977 & 0.003877 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186\end{array}$ $\begin{array}{lllllllll}1000 & 729.9977 & 0.003887 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186 \\ 1000 & 941.9113 & 0.009091 & 0.093606 & 0.129406 & 0.09521 & 3.775278 & 3.929278 & 0.003195\end{array}$ $\begin{array}{llllllllll}1000 & 1344.561 & 0.006621 & 0.105728 & 0.118374 & 0.090613 & 5.301045 & 3.719901 & 0.003686\end{array}$ $\begin{array}{llllllll}1000 & 984.0357 & 0.009991 & 0.124466 & 0.151018 & 0.08435 & 5.026571 & 4.122042\end{array} 0.0006617$ $\begin{array}{lllllllll}1000 & 777.7399 & 0.008141 & 0.146862 & 0.12609 & 0.11483 & 5.090093 & 4.015402 & 0.010302 \\ 1000 & 1160.911 & 0.008077 & 0.115564 & 0.079303 & 0.109646 & 4.52522 & 3.787469 & 0.0068\end{array}$ $\begin{array}{ccccccccc}1000 & 1160.911 & 0.008077 \\ 1000 & 1279.97 & 0.01158564 & 0.0793303 & 0.109646 & 4.52502 & 3.787469 & 0.0068 \\ 1 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201\end{array}$ $\begin{array}{lllllllll}1000 & 1279.97 & 0.010387 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201 \\ 1000 & 889.4979 & 0.008381 & 0.111178 & 0.138824 & 0.12838 & 4.40959 & 5.591435 & 0.006881\end{array}$ $\begin{array}{llllllllll}1000 & 1358.712 & 0.008873 & 0.235041 & 0.174854 & 0.15902 & 6.713883 & 5.873333 & 0.00653\end{array}$ $\begin{array}{lllllllllllllll}1000 & 812.2332 & 0.008073 & 0.10745 & 0.12111 & 0.104481 & 4.479777 & 3.638333 & 0.006397\end{array}$ $\begin{array}{lllllllllll}1000 & 967.6265 & 0.006662 & 0.129528 & 0.055498 & 0.105201 & 4.970915 & 6.723842 & 0.010205\end{array}$ $\begin{array}{lllllllllllllll}1000 & 856.8817 & 0.009959 & 0.094299 & 0.094604 & 0.087075 & 4.985402 & 5.729057 & 0.003508\end{array}$ $\begin{array}{lllllllll}1000 & 1059.811 & 0.00769 & 0.104467 & 0.062987 & 0.08843 & 5.851986 & 5.720256 & 0.004627\end{array}$ | 1000 | 761.5438 | 0.0066133 | 0.090968 | 0.08881 | 0.070664 | 3.50178 | 3.318719 | 0.005394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1305.325 & 0.005612 & 0.100677 & 0.097859 & 0.100891 & 5.103456 & 3.775519 & 0.003332 \\ 1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215\end{array}$ $\begin{array}{lllllllll}1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215 \\ 1000 & 785.0348 & 0.011095 & 0.09686 & 0.096597 & 0.102212 & 3.573946 & 3.465522 & 0.008093\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 785.0338 & 0.011095 & 0.09686 & 0.096597 & 0.1022212 & 3.573946 & 3.465522 & 0.008093 \\ 1000 & 11423.314 & 0.01224 & 0.172575 & 0.111982 & 0.180714 & 6.134168 & 5.690494 & 0.011901\end{array}$ $\begin{array}{llllllllll}1000 & 845.8775 & 0.00831 & 0.117239 & 0.104515 & 0.09534 & 3.43989 & 3.454609 & 0.007993\end{array}$ $\begin{array}{llllllllll}1000 & 920.6605 & 0.013273 & 0.120156 & 0.100762 & 0.146567 & 4.68845 & 4.459565 & 0.010216\end{array}$ $\begin{array}{lllllllll}1000 & 956.5049 & 0.013653 & 0.251992 & 0.165922 & 0.167604 & 5.641193 & 6.856175 & 0.007094\end{array}$ $\begin{array}{llllllllll}1000 & 1085.356 & 0.012672 & 0.197891 & 0.092774 & 0.145275 & 3.54006 & 5.963944 & 0.010315\end{array}$ $\begin{array}{lllllllll}1000 & 824.6639 & 0.011884 & 0.148416 & 0.070722 & 0.139725 & 3.671278 & 4.624993 & 0.006797 \\ 1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682\end{array}$ $\begin{array}{lllllllll}1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682 \\ 1000 & 931.6837 & 0.013511 & 0.131078 & 0.076927 & 0.126919 & 4.394896 & 5.314237 & 0.008008\end{array}$ $\begin{array}{llllllll}1000 & 931.6837 & 0.013511 & 0.131078 & 0.074927 & 0.126919 & 4.394896 & 5.314237 \\ 1000 & 1049.128 & 0.010651 & 0.171883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 0.008501\end{array}$ $\begin{array}{llllllll}1000 & 1049.128 & 0.010651 & 0.1718883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 10.008501 \\ 1000 & 900.3294 & 0.012948 & 0.201184 & 0.15362 & 0.16056 & 4.547869 & 4.570922 \\ 0.010363\end{array}$ | 1000 | 1355.985 | 0.014597 | 0.201627 | 0.1775 | 0.247589 | 4.689395 | 5.177848 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 690.7616 & 0.008249 & 0.197834 & 0.217916 & 0.183749 & 4.140097 & 4.604512 & 0.0006164 \\ 1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.0950 & 0.01848\end{array}$ $\begin{array}{lllllllll}1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.09506 & 0.011843 \\ 1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 354286 & 3.086281 & 0.01456\end{array}$ $\begin{array}{lllllllll}1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 3.542686 & 3.986281 & 0.00456\end{array}$ $\begin{array}{lllllllll}1000 & 1257.304 & 0.019025 & 0.251169 & 0.241427 & 0.25009 & 5.28923 & 5.629704 & 0.015287 \\ 1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3741123 & 3.565873 & 0.01007\end{array}$ $\begin{array}{lllllllll}1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3.741123 & 3.565873 & 0.010007 \\ 1000 & 1248.964 & 0.01498 & 0.289531 & 0.224974 & 0.270115 & 4.571101 & 4.042984 & 0.011198\end{array}$ $\begin{array}{llllllll}1000 & 823.5624 & 0.016809 & 0.394811 & 0.34523 & 0.474367 & 3.763297 & 4.168391\end{array} 0.015613$ $\begin{array}{lllllllll}1000 & 998.6634 & 0.016629 & 0.501138 & 0.326665 & 0.46665 & 4.153445 & 5.534993 & 0.017012\end{array}$ $\begin{array}{llllllllllll}1000 & 750.2849 & 0.01435 & 0.413226 & 0.451846 & 0.36722 & 3.289197 & 3.722567 & 0.009513\end{array}$



$\begin{array}{llll}0.065676 & 0.268865 & 0.738267 & 0.616283 \\ 0.113977 & 0.316248 & 1.140023 & 0.81072\end{array}$ $\begin{array}{llll}0.113977 & 0.316248 & 1.140023 & 0.81072 \\ 0.075655 & 0.234425 & 0.474864 & 0.524759\end{array}$ $\begin{array}{llllll}0.09894 & 0.318365 & 0.75121 & 0.689122\end{array}$ $\begin{array}{llllll}0.045102 & 0.220789 & 0.487006 & 0.549946\end{array}$ $\begin{array}{lllllll}0.076409 & 0.287614 & 0.832738 & 0.655377\end{array}$ $\begin{array}{lllll}0.109905 & 0.275365 & 0.640198 & 0.880878\end{array}$ $\begin{array}{llll}0.058623 & 0.323127 & 0.594344 & 0.61409\end{array}$ $\begin{array}{lllll}0.063886 & 0.328648 & 0.803406 & 0.876994 \\ 0.050537 & 0.299871 & 0.619091 & 0.526927\end{array}$ $\begin{array}{lllll}0.060688 & 0.27798 & 0.473557 & 0.502419\end{array}$ $\begin{array}{lllll}0.076555 & 0.381852 & 0.674898 & 0.921046\end{array}$ $\begin{array}{lllll}0.099239 & 0.275926 & 0.627504 & 0.659976\end{array}$ $\begin{array}{llllll}0.084457 & 0.29799 & 0.549045 & 0.506182\end{array}$ $\begin{array}{lllllll}0.116179 & 0.417042 & 0.709609 & 0.540677\end{array}$ $\begin{array}{llll}0.035856 & 0.171578 & 0.350613 & 0.357328\end{array}$ $\begin{array}{llll}0.069348 & 0.230334 & 0.51509 & 0.384643\end{array}$ $\begin{array}{llll}0.0653579 & 0.245251 & 0.51821 & 0.588234 \\ 0.0785456 & 0.681643\end{array}$ 0.0685770 .2986790 .4738980 .425224 $\begin{array}{llllll}0.072191 & 0.372576 & 0.634176 & 0.679261\end{array}$ 0.0681450 .2237670 .5759020 .529974 $\begin{array}{lllll}0.080033 & 0.26611 & 0.554307 & 0.541584\end{array}$ 0.0919730 .3118610 .5409780 .624562 $\begin{array}{llllllll}0.050829 & 0.188007 & 0.384176 & 0.431768\end{array}$ | 0.04244 | 0.182239 | 0.352643 | 0.373198 |
| :--- | :--- | :--- | :--- |
| 071987 | 0.272691 | 0.544153 | 0.614675 | $\begin{array}{llllll}0.076623 & 0.32011 & 0.898537 & 0.506941\end{array}$ $\begin{array}{lllll}0.066518 & 0.284938 & 0.535653 & 0.365459\end{array}$ $\begin{array}{lllll}0.067368 & 0.31295 & 0.56088 & 0.576897\end{array}$ $\begin{array}{llllll}0.059817 & 0.34385 & 1.197257 & 0.526476\end{array}$ $\begin{array}{llllllllll}0.061617 & 0.280236 & 0.596757 & 0.566262\end{array}$ $\begin{array}{llll}0.060742 & 0.166824 & 0.373552 & 0.31503\end{array}$ $\begin{array}{llll}0.043619 & 0.306752 & 0.643224 & 0.514508 \\ & 0.082247 & 0.289094 & 0.424587\end{array}$ $\begin{array}{lllll}0.081429 & 0.37922 & 0.497026 & 0.858797\end{array}$ $\begin{array}{lllll}0.08065 & 0.288804 & 0.507602 & 0.416375\end{array}$ $\begin{array}{lllll}0.087862 & 0.269682 & 0.578383 & 0.484711\end{array}$ $\begin{array}{lllllll}0.067144 & 0.313885 & 0.624764 & 0.624783\end{array}$ $\begin{array}{llll}0.064276 & 0.249311 & 0.371427 & 0.271022\end{array}$ $\begin{array}{lllll}0.071888 & 0.315816 & 0.363209 & 0.374765\end{array}$ $\begin{array}{llll}0.068193 & 0.246931 & 0.482722 & 0.405621 \\ 0.04629 & 0.17543 & 0.349861 & 0.383319\end{array}$ $\begin{array}{lllll}0.070105 & 0.249137 & 0.406832 & 0.418164\end{array}$ $\begin{array}{lllll}0.094099 & 0.282587 & 0.542026 & 0.513018\end{array}$ $\begin{array}{llllll}0.081242 & 0.336452 & 0.567386 & 0.497003\end{array}$ $\begin{array}{llllll}0.075775 & 0.295109 & 0.393918 & 0.36318\end{array}$ $\begin{array}{llll}0.066286 & 0.264543 & 0.488434 & 0.309966\end{array}$ $\begin{array}{llll}0.041711 & 0.236466 & 0.561484 & 0.27726\end{array}$ $\begin{array}{llll}0.071345 & 0.338379 & 0.335573 & 0.320607\end{array}$ | 0.036835 | 0.226509 | 0.385659 | 0.25353 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.034867 & 0.294721 & 0.260064 & 0.314215\end{array}$ $0.084083 \quad 0.291174 \quad 0.334823 \quad 0.305431$ $\begin{array}{llllllllllll}0.050216 & 0.340251 & 0.295357 & 0.277428\end{array}$ $\begin{array}{llll}0.046059 & 0.299606 & 0.258698 & 0.22819\end{array}$ $\begin{array}{llll}0.054756 & 0.182943 & 0.260061 & 0.196812\end{array}$ $\begin{array}{llll}0.032255 & 0.308419 & 0.322532 & 0.303762\end{array}$ $\begin{array}{llll}0.041426 & 0.355073 & 0.229179 & 0.280469\end{array}$ $\begin{array}{llll}0.041853 & 0.294108 & 0.277086 & 0.282102\end{array}$ $\begin{array}{lllll}0.031071 & 0.337199 & 0.284834 & 0.4231\end{array}$ $\begin{array}{lllllll}0.055782 & 0.347701 & 0.359497 & 0.234332\end{array}$ $\begin{array}{lllll}0.049772 & 0.448418 & 0.424167 & 0.361735\end{array}$


$\begin{array}{llllllllllll}1000 & 872.9719 & 0.014065 & 0.704017 & 0.33957 & 0.291189 & 3.849276 & 4.044059 & 0.010171\end{array}$ | 1000 | 1330.091 | 0.013185 | 0.358471 | 0.350273 | 0.37538 | 5.490088 | 5.3408936 | 0.014696 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll} & 0000 & 893.3956 & 0.014834 & 0.291444 & 0.194535 & 0.188509 & 3.448135 & 3.373683 \\ 1000 & 1420.369 & 0.014366 & 0.256093 & 0.160132 & 0.170031 & 5.021392 & 3.857482 & 0.005449\end{array}$ $\begin{array}{lllllllll}1000 & 649.4856 & 0.009712 & 0.156284 & 0.101053 & 0.09641 & 3.168338 & 2.663237 & 0.004957\end{array}$ $\begin{array}{lllllllll}1000 & 948.4029 & 0.012895 & 0.178114 & 0.181156 & 0.174702 & 4.931106 & 4.486495 & 0.007794\end{array}$ $\begin{array}{lllllllll}1000 & 1228.832 & 0.008471 & 0.187775 & 0.160115 & 0.155118 & 3.667647 & 3.907937 & 0.0077168 \\ 1000 & 899.1288 & 0.11519 & 0.169979 & 0.118793 & 0.14327 & 3.93855 & 4.315453 & 0.014771\end{array}$ $\begin{array}{llllllll}1000 & 899.1228 & 0.011519 & 0.160979 & 0.118793 & 0.143227 & 3.93685 & 4.315453 \\ 1000 & 1276.816 & 0.014771 \\ 1 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.05009\end{array}$ $\begin{array}{lllllllll}1000 & 1276.816 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.005009 \\ 1000 & 1255.613 & 0.009139 & 0.096677 & 0.107209 & 0.111357 & 4.622795 & 3.610387 & 0.006977\end{array}$ $\begin{array}{llllllllll}1000 & 1053.183 & 0.015042 & 0.125036 & 0.146874 & 0.106161 & 4.216895 & 4.201283 & 0.009146\end{array}$ $\begin{array}{llllllllll}1000 & 1678.138 & 0.013739 & 0.114768 & 0.134825 & 0.126052 & 5.6345 & 4.978124 & 0.012016\end{array}$ $\begin{array}{lllllllll}1000 & 1124.756 & 0.012753 & 0.10207 & 0.078082 & 0.09377 & 4.272023 & 3.532683 & 0.010574\end{array}$ $\begin{array}{llllllllll}1000 & 1362.616 & 0.01134 & 0.102 & 0.06596 & 0.080998 & 4.039916 & 4.097019 & 0.008362\end{array}$ $\begin{array}{lllllllll}1000 & 1324.256 & 0.009756 & 0.101336 & 0.137302 & 0.098679 & 4.292796 & 4.947793 & 0.009385\end{array}$ $\begin{array}{lllllllll}1000 & 703.6922 & 0.006659 & 0.084906 & 0.046896 & 0.06574 & 2.840201 & 2.90494 & 0.007919\end{array}$ $\begin{array}{lllllllll}1000 & 825.6332 & 0.010975 & 0.100352 & 0.08978 & 0.07033 & 3.239133 & 3.664747 & 0.006101 \\ 1000 & 1034.259 & 0.012176 & 0.114602 & 0.061401 & 0.05521 & 4.56873 & 4.448224 & 0.009237\end{array}$ $\begin{array}{llllllllll}1000 & 916.2945 & 0.016705 & 0.101138 & 0.120177 & 0.090567 & 5.192324 & 4.502734 & 0.0090375\end{array}$ $\begin{array}{llllllllll}1000 & 825.8778 & 0.007036 & 0.098165 & 0.060628 & 0.070739 & 3.900381 & 3.578411 & 0.012907\end{array}$ $\begin{array}{lllllllll}1000 & 1155.405 & 0.01102 & 0.103596 & 0.135147 & 0.102994 & 4.909748 & 4.706077 & 0.012697\end{array}$ $\begin{array}{lllllllll}1000 & 813.3077 & 0.010929 & 0.102051 & 0.107932 & 0.076639 & 3.817345 & 3.87721 & 0.010811\end{array}$ $\begin{array}{llllllllllllll}1000 & 914.6925 & 0.010652 & 0.076627 & 0.076387 & 0.085377 & 4.407336 & 3.619565 & 0.012099\end{array}$ $\begin{array}{llllllllll}1000 & 920.6502 & 0.015795 & 0.116947 & 0.127196 & 0.070757 & 4.800968 & 5.007915 & 0.010288\end{array}$ $\begin{array}{lllllllll}1000 & 954.6204 & 0.011465 & 0.06894 & 0.095311 & 0.080382 & 3.50812 & 3.812511 & 0.009583 \\ 1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 & 0.006357\end{array}$ $\begin{array}{rrrrrrrr}1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 \\ 10.006357 \\ 1000 & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 \\ 0 & 0.011001\end{array}$ $\begin{array}{lllllllll} & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 & 0.0110067 \\ 1000 & 926.7225 & 0.019365 & 0.096769 & 0.125932 & 0.097836 & 5.89259 & 4.229299 & 0.012267\end{array}$ $\begin{array}{lllllllll}1000 & 828.3485 & 0.011012 & 0.086456 & 0.072677 & 0.075966 & 3.779308 & 3.02274 & 0.009313\end{array}$ $\begin{array}{lllllllll}1000 & 1161.764 & 0.011365 & 0.109718 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005806\end{array}$ $\begin{array}{lllllllll}1000 & 1611.764 & 0.011365 & 0.10971 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005830 \\ 1000 & 1047.277 & 0.00882 & 0.104816 & 0.119221 & 0.087379 & 4.200663 & 4.849936 & 0.009275\end{array}$ | 1000 | 891.3188 | 0.009442 | 0.091106 | 0.114499 | 0.098883 | 3.480927 | 3.562527 | 0.006534 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 977.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 | | 1000 | 797.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1156.795 & 0.009631 & 0.142164 & 0.077825 & 0.111322 & 4.333877 & 5.226023 & 0.013111 \\ 1000 & 944.7618 & 0.008217 & 0.10563 & 0.061842 & 0.079404 & 3.985668 & 4.081635 & 0.005877\end{array}$ $\begin{array}{lllllllll}1000 & 9445.5014 & 0.008816 & 0.093887 & 0.076977 & 0.101333 & 4.385944 & 4.171995 & 0.0048677\end{array}$ $\begin{array}{llllllllll}1000 & 873.9323 & 0.006792 & 0.112003 & 0.094152 & 0.108877 & 4.237036 & 4.216531 & 0.008746\end{array}$ $\begin{array}{llllllllll}1000 & 1410.894 & 0.014165 & 0.113134 & 0.086203 & 0.088789 & 4.513254 & 4.305039 & 0.010252\end{array}$ $\begin{array}{lllllllll}1000 & 948.2983 & 0.003536 & 0.113041 & 0.107225 & 0.091019 & 4.072684 & 4.52745 & 0.006672\end{array}$ $\begin{array}{lllllllll}1000 & 740.6505 & 0.005411 & 0.076641 & 0.066764 & 0.060943 & 3.262087 & 2.835855 & 0.00674 \\ 1000 & 829.9658 & 0.00529 & 0.077766 & 0.054144 & 0.11726 & 3.428368 & 3.865448 & 0.007734\end{array}$ | 1000 | 829.9658 | 0.00529 | 0.077766 | 0.054149 | 0.117286 | 3.498268 | 3.864548 | 0.007734 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 807.4725 & 0.01077 & 0.089988 & 0.102311 & 0.104708 & 3.53959 & 3.951815 & 0.008468\end{array}$ $\begin{array}{llllllllll}1000 & 625.9525 & 0.007907 & 0.066094 & 0.056907 & 0.05721 & 3.039407 & 3.249657 & 0.005351 \\ 1000 & 795.8265 & 0.010302 & 0.068463 & 0.094903 & 0.128941 & 3.32438 & 3.108438 & 0.00443\end{array}$ $\begin{array}{lllllllll}1000 & 1065.478 & 0.013635 & 0.097266 & 0.0559 & 0.071746 & 4.153582 & 3.872499 & 0.007499\end{array}$ $\begin{array}{lllllllll}1000 & 1004.091 & 0.015923 & 0.09168 & 0.080265 & 0.095451 & 5.054765 & 4.364382 & 0.006421\end{array}$ $\begin{array}{lllllllll}1000 & 1045.102 & 0.01334 & 0.102867 & 0.057352 & 0.079753 & 3.461246 & 3.510425 & 0.003583\end{array}$ $\begin{array}{lllllllll}1000 & 1018.723 & 0.010329 & 0.067551 & 0.105888 & 0.064331 & 3.073359 & 2.940115 & 0.004365\end{array}$ $\begin{array}{llllllllll}1000 & 857.1641 & 0.007611 & 0.074142 & 0.058673 & 0.058886 & 2.988797 & 2.959785 & 0.005923 \\ 1000 & & 31.4585 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 380647 & 3.47813 & 0.005086\end{array}$ $\begin{array}{lllllllll}1000 & 931.45855 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 3.80647 & 3.478132 & 0.005086 \\ 1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753\end{array}$ $\begin{array}{lllllllll}1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753 \\ 1000 & 890.6175 & 0.003749 & 0.07393 & 0.063187 & 0.061287 & 3.095169 & 3.189477 & 0.002408\end{array}$ $\begin{array}{lllllllll}1000 & 890.6175 & 0.003749 & 0.07393 & 0.063188 & 0.061287 & 3.095169 & 3.189477 & 0.002408 \\ 1000 & 955.0018 & 0.007812 & 0.071794 & 0.078389 & 0.070699 & 3.26266 & 3.142689 & 0.000858\end{array}$ $\begin{array}{llllllllll}1000 & 9499.4681 & 0.004039 & 0.081506 & 0.081974 & 0.073163 & 3.655159 & 3.428821 & 0.002951\end{array}$ $\begin{array}{lllllllllll}1000 & 1093.527 & 0.011701 & 0.079208 & 0.054211 & 0.076298 & 3.512374 & 3.572749 & 0.004509\end{array}$ $\begin{array}{lllllllll}1000 & 869.6405 & 0.004782 & 0.060918 & 0.10562 & 0.052589 & 3.35508 & 3.336445 & 0.002368\end{array}$ $\begin{array}{lllllllll}1000 & 822.2375 & 0.003044 & 0.066574 & 0.023122 & 0.050034 & 3.000961 & 3.08378 & 0.001469\end{array}$ $\begin{array}{llllllllll}1000 & 1012.584 & 0.00491 & 0.067987 & 0.066981 & 0.057394 & 3.347137 & 3.862973 & 0.004069\end{array}$ $\begin{array}{lllllllll}1000 & 1080.664 & 0.004111 & 0.049027 \\ 1000 & 056.2832 & 0.055718 & 0.068522 & 3.691904 & 3.964249 & 0.001371\end{array}$ $\begin{array}{lllllllll}1000 & 856.2832 & 0.003448 & 0.055312 & 0.068453 & 0.044904 & 3.446015 & 3.456855 & 0.001545 \\ 1000 & 1011.951 & 0.009626 & 0.060266 & 0.022406 & 0.059954 & 4.037772 & 3.789148 & 0.003658\end{array}$ $\begin{array}{lllllllll}1000 & 1004.951 & 0.006057 & 0.067936 & 0.069196 & 0.059292 & 4.27992 & 3.930326 & 0.001364\end{array}$ $\begin{array}{llllllllll}1000 & 1107.037 & 0.004778 & 0.058946 & 0.021915 & 0.050295 & 4.062097 & 4.331422 & 0.001667\end{array}$ $\begin{array}{llllllllll}1000 & 1115.189 & 0.002279 & 0.049183 & 0.048221 & 0.037579 & 3.91192 & 4.057308 & 0.001294\end{array}$



$\begin{array}{lllll}0.035028 & 0.376487 & 0.417775 & 0.428052\end{array}$ $\begin{array}{lllll}0.021857 & 0.410397 & 0.356959 & 0.308907\end{array}$ $\begin{array}{llllll}0.030416 & 0.351169 & 0.287911 & 0.303057\end{array}$ $\begin{array}{lllll}0.030292 & 0.37535 & 0.32485 & 0.267431\end{array}$ $\begin{array}{lllll}0.040283 & 0.277973 & 0.376696 & 0.396013\end{array}$ $\begin{array}{rlll}0.03703 & 0.320573 & 0.303256 & 0.276236\end{array}$ $\begin{array}{llll}0.051772 & 0.327455 & 0.295775 & 0.282363 \\ 0\end{array}$ $\begin{array}{llll}0.031213 & 0.206816 & 0.328234 & 0.235368 \\ 0.029797 & 0.26085 & 0.332935 & 0.341638\end{array}$ $\begin{array}{lllll} & 0.02987 \\ 0.026886 & 0.32711 & 0.370161 & 0.363714\end{array}$ $\begin{array}{lllll}0.020683 & 0.34778 & 0.421404 & 0.50626\end{array}$ $\begin{array}{lllll}0.043793 & 0.374611 & 0.503915 & 0.395932\end{array}$ $\begin{array}{llllll}0.019344 & 0.425115 & 0.544809 & 0.483431\end{array}$ $\begin{array}{lllll}0.035737 & 0.333298 & 0.643927 & 0.936236\end{array}$ $\begin{array}{lllll}0.048138 & 0.379225 & 0.445168 & 0.823688\end{array}$ $\begin{array}{llll}0.08197 & 0.336332 & 0.547675 & 0.399162 \\ 0.047058 & 0.410634 & 0.776648 & 0.749854\end{array}$ $\begin{array}{llll}0.04058 & 0.410634 & 0.776648 & 0.749854 \\ 0.048827 & 0.358637 & 0.628326 & 0.601575\end{array}$ $\begin{array}{lllll}0.043479 & 0.195671 & 0.54747 & 0.56329\end{array}$ $\begin{array}{lllll}0.071734 & 0.267242 & 0.677402 & 0.715816\end{array}$ $\begin{array}{lllll}0.056774 & 0.248151 & 0.807629 & 0.515172\end{array}$ $\begin{array}{llllll}0.058836 & 0.298753 & 0.625254 & 0.586547\end{array}$ $\begin{array}{llll}0.041194 & 0.266268 & 0.56856 & 0.617736 \\ 0\end{array}$ $\begin{array}{llll}0.086047 & 0.263418 & 0.601788 & 0.559653\end{array}$ $\begin{array}{llll}0.059752 & 0.313196 & 0.574159 & 0.424342 \\ 0\end{array}$ $\begin{array}{lllll}0.062386 & 0.271601 & 0.767866 & 0.531861\end{array}$ $\begin{array}{lllll}0.081882 & 0.215644 & 0.557541 & 0.606412\end{array}$ $\begin{array}{lllll}0.039721 & 0.28398 & 0.611658 & 0.516455\end{array}$ $\begin{array}{lllll}0.044551 & 0.263786 & 0.50314 & 0.469553\end{array}$ $\begin{array}{llll}0.070123 & 0.23722 & 0.496852 & 0.514453\end{array}$ $\begin{array}{llll}0.057382 & 0.256137 & 0.491356 & 0.450584\end{array}$ $\begin{array}{llll}0.047699 & 0.266006 & 0.411523 & 0.30543 \\ 0.048341 & 0.288725 & 0.527391 & 0.47777\end{array}$ $\begin{array}{llll}0.054723 & 0.336709 & 0.489652 & 0.529382\end{array}$ $\begin{array}{lllll}0.052886 & 0.249091 & 0.504808 & 0.303952\end{array}$ $\begin{array}{lllll}0.033548 & 0.261595 & 0.526281 & 0.418348\end{array}$ $\begin{array}{lllll}0.04383 & 0.282789 & 0.534421 & 0.489166\end{array}$ $\begin{array}{llll}0.032599 & 0.261806 & 0.875228 & 0.530797\end{array}$ $\begin{array}{lllll}0.04815 & 0.357464 & 0.492851 & 0.477598\end{array}$ $\begin{array}{llll}0.048561 & 0.359645 & 0.568071 & 0.530688 \\ 0.04731 & 0.287309 & 0.459911 & 0.530564\end{array}$ $\begin{array}{lllll}0.047194 & 0.353967 & 0.459911 & 0.530564 \\ 0.75973 & 0.553662\end{array}$ $\begin{array}{lllll}0.070022 & 0.371984 & 0.595693 & 0.692863\end{array}$ $\begin{array}{lllll}0.065923 & 0.312506 & 0.563454 & 0.40364\end{array}$ $\begin{array}{lllll}0.060119 & 0.336135 & 0.760356 & 0.594158\end{array}$ $\begin{array}{llllll}0.053311 & 0.356963 & 0.765681 & 0.760563\end{array}$ $\begin{array}{lllll}0.070797 & 0.278996 & 0.573614 & 0.712964\end{array}$ $\begin{array}{llll}0.040789 & 0.219488 & 0.723918 & 0.539881\end{array}$ $\begin{array}{llll}0.072789 & 0.278736 & 0.578844 & 0.660738 \\ 0.092182 & 0.235582 & 0.924969 & 0.588656\end{array}$ $\begin{array}{lllll}0.055517 & 0.2575434 & 0.589117 & 0.555687 \\ 0.05856\end{array}$ $\begin{array}{lllllll}0.074849 & 0.282057 & 0.625797 & 0.64309\end{array}$ $\begin{array}{llllll}0.060006 & 0.31065 & 0.643697 & 0.556327\end{array}$ $\begin{array}{lllll}0.036844 & 0.2436 & 0.600106 & 0.555423\end{array}$ $\begin{array}{llll}0.059383 & 0.329862 & 0.589537 & 0.458345\end{array}$ $\begin{array}{llll}0.034756 & 0.20102 & 0.481821 & 0.327827\end{array}$ $\begin{array}{llll}0.043194 & 0.213071 & 0.319899 & 0.356155 \\ 0.050184 & 0.39786 & 0.474666 & 0.424577\end{array}$ $\begin{array}{llll}0.050184 & 0.39786 & 0.474666 & 0.424577 \\ 0.028916 & 0.228787 & 0.502222 & 0.345804\end{array}$ 0.054670 .2598030 .4229660 .413569 $\begin{array}{llllll}0.018441 & 0.245527 & 0.446319 & 0.378729\end{array}$ $\begin{array}{lllll}0.057609 & 0.200257 & 0.295037 & 0.345752\end{array}$
$\begin{array}{lllllllll}1000 & 1108.548 & 0.005133 & 0.038956 & 0.022906 & 0.044815 & 4.264096 & 4.252393 & 0.001742\end{array}$ $\begin{array}{llllllll}10000 & 1064.173 & 0.000938 & 0.059692 & 0.0600886 & 0.039183 & 3.733479 & 4.199405\end{array} 0.0002432$ $\begin{array}{lllllllll}1000 & 909.7895 & 0.006343 & 0.06436 & 0.022289 & 0.041722 & 3.82401 & 4.044597 & 0.00325\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.004123 & 0.068476 & 0.062984 & 0.052049 & 3.974952 & 3.95455 & 0.005285\end{array}$ $\begin{array}{llllllll}1000 & 1133.472 & 0.012053 & 0.062466 & 0.039625 & 0.04144 & 3.623068 & 3.699988 \\ 0.00404001\end{array}$ $\begin{array}{llllllll}1000 & 1020.749 & 0.018055 & 0.078434 & 0.065784 & 0.061984 & 4.369759 & 4.1699766 \\ 0 & 0.005539\end{array}$ $\begin{array}{lllllllll}1000 & 1023.759 & 0.016307 & 0.088591 & 0.051384 & 0.060454 & 4.104753 & 4.007953 & 0.0033898\end{array}$ $\begin{array}{lllllllll}1000 & 848.0146 & 0.013916 & 0.058286 & 0.043161 & 0.045413 & 3.152509 & 3.621434 & 0.00517 \\ 1000 & 850.9336 & 0.011538 & 0.071965 & 0.041264 & 0.064923 & 3.618871 & 3.544645 & 0.004401\end{array}$ $\begin{array}{lllllllll}1000 & 766.0989 & 0.008721 & 0.062355 & 0.062714 & 0.047789 & 3.749247 & 3.880926 & 0.00471\end{array}$ $\begin{array}{llllllllll}1000 & 1005.176 & 0.008978 & 0.064304 & 0.074483 & 0.043734 & 4.572506 & 3.831523 & 0.004266\end{array}$ $\begin{array}{lllllllll}1000 & 912.1135 & 0.011277 & 0.077203 & 0.042429 & 0.05936 & 4.215434 & 4.03289 & 0.002832\end{array}$ $\begin{array}{lllllllll}1000 & 970.426 & 0.017992 & 0.067072 & 0.063069 & 0.060768 & 4.630065 & 4.768905 & 0.00252\end{array}$ $\begin{array}{lllllllll}1000 & 1043.775 & 0.022474 & 0.076046 & 0.06702 & 0.108494 & 5.17051 & 4.922747 & 0.009833\end{array}$ $\begin{array}{lllllllll}1000 & 873.2904 & 0.019853 & 0.087224 & 0.062361 & 0.083392 & 4.011397 & 3.84184 & 0.00321 \\ 1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654\end{array}$ $\begin{array}{lllllllll}1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654 \\ 1000 & 1023.371 & 0.023073 & 0.09027 & 0.086384 & 0.063878 & 4.285553 & 4.370276 & 0.007743\end{array}$ $\begin{array}{llllllllll}1000 & 1023.372 & 0.023035 & 0.0927 & 0.08684 & 0.06885 & 4.28553 & 4.370276 & 0.007743 \\ 1000 & 974.7527 & 0.02395 & 0.1507 & 0.06145 & 0.062953 & 4.028921 & 4.512634 & 0.010559\end{array}$ $\begin{array}{llllllllllll}1000 & 893.6566 & 0.021923 & 0.107558 & 0.105299 & 0.097753 & 4.037576 & 3.878276 & 0.008028\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 1039.476 & 0.019774 & 0.115837 & 0.076663 & 0.109107 & 3.757368 & 3.986344 & 0.006872\end{array}$ $\begin{array}{lllllllllll}1000 & 823.1696 & 0.0187 & 0.110961 & 0.085356 & 0.100126 & 3.44885 & 3.916656 & 0.006656\end{array}$ $\begin{array}{lllllllll}1000 & 1060.048 & 0.026804 & 0.10061 & 0.108638 & 0.114556 & 4.237866 & 4.072467 & 0.008969\end{array}$ $\begin{array}{lllllllll}1000 & 1008.253 & 0.026157 & 0.097532 & 0.109355 & 0.108454 & 4.162993 & 4.17463 & 0.013334\end{array}$ $\begin{array}{lllllllll}1000 & 899.848 & 0.027544 & 0.117482 & 0.09932 & 0.133542 & 4.064517 & 3.993839 & 0.007476 \\ 1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937 \\ 1000 & 1023.38 & 0.025085 & 0.114501 & 0.136092 & 0.096634 & 4.138614 & 3.81941 & 0.006509\end{array}$ $\begin{array}{llllllllll}1000 & 970.3587 & 0.020799 & 0.10025 & 0.08143 & 0.098163 & 4.206118 & 4.317794 & 0.003154\end{array}$ $\begin{array}{llllllllll}1000 & 915.5065 & 0.011175 & 0.118047 & 0.112181 & 0.089042 & 3.618862 & 3.70401 & 0.010017\end{array}$ $\begin{array}{lllllllll}1000 & 1089.335 & 0.009007 & 0.088039 & 0.147232 & 0.102797 & 3.531798 & 4.255163 & 0.004955\end{array}$ $\begin{array}{lllllllll}1000 & 1038.068 & 0.009626 & 0.074058 & 0.060089 & 0.072338 & 3.42897 & 3.495564 & 0.004745\end{array}$ $\begin{array}{llllllll}1000 & 948.7363 & 0.007992 & 0.068884 & 0.061609 & 0.088961 & 3.50209 & 3.692827 \\ 0 & 0.004187\end{array}$ $\begin{array}{lllllllll}1000 & 877.7375 & 0.00959 & 0.073013 & 0.077498 & 0.093423 & 3.418535 & 3.832004 & 0.006234 \\ 1000 & 956.7108 & 0.005436 & 0.07089 & 0.086999 & 0.08103 & 3.726575 & 3.603131 & 0.002786\end{array}$ $\begin{array}{llllllll}1000 & 956.7108 & 0.005436 & 0.070897 & 0.086999 & 0.08103 & 3.726575 & 3.603131\end{array} 0.002786$ $\begin{array}{lllllllll}1000 & 1132.198 & 0.007035 & 0.095474 & 0.05324 & 0.077769 & 3.818563 & 4.265658 & 0.0044429\end{array}$ $\begin{array}{lllllllll}1000 & 832.1126 & 0.002605 & 0.061511 & 0.074868 & 0.06125 & 3.255207 & 3.280071 & 0.004004\end{array}$

 $\begin{array}{lllllllll}1000 & 996.8766 & 0.006269 & 0.087424 & 0.100508 & 0.083565 & 3.424422 & 3.843026 & 0.002962\end{array}$ $\begin{array}{llllllll}1000 & 11566.703 & 0.004006 & 0.07669 & 0.143069 & 0.07541 & 4.075957 & 4.187035 \\ 0.0008059\end{array}$ $\begin{array}{lllllllll}1000 & 891.4227 & 0.005092 & 0.071734 & 0.099173 & 0.066068 & 3.936154 & 3.715779 & 0.003858 \\ 1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.149235 & 3.635626 & 0.006679\end{array}$ $\begin{array}{lllllllll}1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.419235 & 3.635626 & 0.006679 \\ 1000 & 887.3393 & 0.007285 & 0.070707 & 0.068663 & 0.068881 & 3.750428 & 3.773376 & 0.007114\end{array}$ $\begin{array}{llllllllll}1000 & 1066.959 & 0.019271 & 0.093481 & 0.093181 & 0.077137 & 5.787344 & 4.372779 & 0.00946\end{array}$ $\begin{array}{llllllllll}1000 & 1302.067 & 0.015506 & 0.082069 & 0.124692 & 0.131703 & 4.986151 & 4.585501 & 0.007337\end{array}$ $\begin{array}{lllllllllllll}1000 & 812.4959 & 0.012109 & 0.079873 & 0.06104 & 0.073313 & 3.527808 & 3.821447 & 0.006674\end{array}$ $\begin{array}{llllllllll}1000 & 966.9775 & 0.020721 & 0.140384 & 0.134148 & 0.161083 & 4.422682 & 4.712396 & 0.013498\end{array}$ $\begin{array}{lllllllll}1000 & 1229.557 & 0.026476 & 0.231236 & 0.219388 & 0.204314 & 5.637636 & 5.061217 & 0.011036\end{array}$ $\begin{array}{lllllllll}1000 & 1313.712 & 0.033448 & 0.239708 & 0.20347 & 0.228106 & 4.579264 & 4.589 & 0.013898\end{array}$ $\begin{array}{lllllllll}1000 & 914.5175 & 0.026937 & 0.133971 & 0.126773 & 0.111383 & 3.678068 & 3.943558 & 0.010162 \\ 1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573\end{array}$ $\begin{array}{lllllrlll}1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573 \\ 1000 & 1240.811 & 0.030683 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.672415 & 0.009696\end{array}$ $\begin{array}{lllllllll}1000 & 1240.811 & 0.030383 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.678415 & 0.009696 \\ 1000 & 938.2688 & 0.037719 & 0.12271 & 0.098416 & 0.091121 & 3.680776 & 3.610763 & 0.007546\end{array}$ $\begin{array}{llllllllll}1000 & 955.4093 & 0.024604 & 0.105046 & 0.126463 & 0.124623 & 4.207025 & 4.286892 & 0.007193\end{array}$ $\begin{array}{llllllllll}1000 & 996.0414 & 0.030438 & 0.120475 & 0.089153 & 0.114515 & 4.168469 & 4.529134 & 0.012263\end{array}$ $\begin{array}{llllllllll}1000 & 9999.7431 & 0.024646 & 0.109388 & 0.125527 & 0.094572 & 4.160495 & 4.009752 & 0.009175\end{array}$ $\begin{array}{lllllllll}1000 & 9933.2419 & 0.025452 & 0.130885 & 0.124318 & 0.110991 & 3.697623 & 4.156844 & 0.006706 \\ 1000 & 817.6111 & 0.020671 & 0.092829 & 0.082038 & 0.072505 & 351454 & 3.16952 & 0.004626\end{array}$ $\begin{array}{lllllllll}1000 & 817.6111 & 0.020671 & 0.098229 & 0.082039 & 0.072505 & 3.514754 & 3.16052 & 0.004626\end{array}$ | 1000 | 804.1267 | 0.018368 | 0.101029 | 0.083987 | 0.085626 | 2.83094 | 3.259825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 982.0805 | 0.006618 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 982.0805 & 0.022924 & 0.122517 & 0.069108 & 0.089649 & 3.891964 & 3.569157 & 0.007357 \\ 1000 & 959.0853 & 0.012008 & 0.083894 & 0.067447 & 0.089008 & 3.451132 & 3.487726 & 0.003747\end{array}$ $\begin{array}{lllllllll}1000 & 9028.965 & 0.018894 & 0.081575 & 0.069721 & 0.083393 & 3.542995 & 3.851619 & 0.008792\end{array}$ $\begin{array}{llllllllll}1000 & 1009.537 & 0.015858 & 0.067928 & 0.085206 & 0.080828 & 3.688952 & 3.454282 & 0.003702\end{array}$ $\begin{array}{llllllllllllll}1000 & 755.3925 & 0.009323 & 0.066262 & 0.039059 & 0.041791 & 2.989262 & 2.906366 & 0.003535\end{array}$


$\begin{array}{llll}0.054092 & 0.289757 & 0.340842 & 0.368277\end{array}$ $\begin{array}{lllll}0.033654 & 0.321184 & 0.391179 & 0.387664\end{array}$ $\begin{array}{llllll}0.030532 & 0.279849 & 0.286134 & 0.274418\end{array}$ $\begin{array}{llllll}0.035466 & 0.267416 & 0.355427 & 0.436274\end{array}$ $\begin{array}{lllll}0.030554 & 0.291698 & 0.427795 & 0.398125\end{array}$ $\begin{array}{llllll}0.036795 & 0.360412 & 0.394157 & 0.442223\end{array}$ $\begin{array}{lllll}0.030096 & 0.285217 & 0.423649 & 0.329241\end{array}$ $\begin{array}{llll}0.055956 & 0.241749 & 0.54953 & 0.3979 \\ 0.048328 & 0.342476 & 0.50657 & 0.36987\end{array}$ $\begin{array}{lllll}0.044503 & 0.340649 & 0.530332 & 0.475021\end{array}$ $\begin{array}{lllll}0.051932 & 0.260829 & 0.519429 & 0.532244\end{array}$ $\begin{array}{lllll}0.054454 & 0.25881 & 0.63729 & 0.587583\end{array}$ $\begin{array}{llllll}0.041082 & 0.311026 & 0.536662 & 0.481904\end{array}$ $\begin{array}{lllllll}0.036808 & 0.263224 & 0.532341 & 0.501419\end{array}$ $\begin{array}{llllllll}0.057375 & 0.285146 & 0.490599 & 0.525493\end{array}$ $\begin{array}{llll}0.044492 & 0.342901 & 0.661416 & 0.764035 \\ 0.041267 & 0.298813 & 0.671696 & 0.701571\end{array}$ $\begin{array}{lllll}0.038368 & 0.271879 & 0.446489 & 0.506191\end{array}$ 0.0907130 .2569230 .6603050 .704226 $\begin{array}{llllllll}0.039179 & 0.305213 & 0.625065 & 0.597752\end{array}$ $\begin{array}{llllllll}0.030202 & 0.280147 & 0.746868 & 0.630979\end{array}$ $\begin{array}{lllllll}0.04115 & 0.25171 & 0.516556 & 0.566256\end{array}$ $\begin{array}{llll}0.04404 & 0.301776 & 0.598822 & 0.596956\end{array}$ $\begin{array}{llll}0.054676 & 0.183754 & 0.742675 & 0.469875\end{array}$ $\begin{array}{rrrr}0.062838 & 0.304259 & 0.728099 & 0.652668 \\ 0.091059 & 0.317841 & 0.633 & 0.759683\end{array}$ $0.0535390 .338518 \quad 0.710589 \quad 0.68128$ $\begin{array}{lllll}0.063652 & 0.214742 & 0.744885 & 0.676176\end{array}$ 0.0479970 .2058470 .5853780 .534424 $\begin{array}{llllllll}0.075172 & 0.342219 & 0.614194 & 0.797316\end{array}$ $\begin{array}{lllll}0.05574 & 0.24852 & 0.593205 & 0.554679\end{array}$ $\begin{array}{lllll}0.03444 & 0.297361 & 0.808939 & 0.747512\end{array}$ $\begin{array}{llll}0.072958 & 0.243379 & 0.437268 & 0.411238 \\ 0.063089 & 0.292698 & 0.527147 & 0.365824\end{array}$ $\begin{array}{lllll}0.044431 & 0.241997 & 0.470228 & 0.383968\end{array}$ $\begin{array}{llllll}0.044248 & 0.252502 & 0.478351 & 0.515959\end{array}$ $\begin{array}{lllll}0.052418 & 0.311691 & 0.487453 & 0.468492\end{array}$ $\begin{array}{llllll}0.053004 & 0.294721 & 0.507214 & 0.464104\end{array}$ $\begin{array}{lllllllll}0.04542 & 0.381908 & 0.569264 & 0.401692\end{array}$ $\begin{array}{llll}0.047889 & 0.2619 & 0.395656 & 0.402793\end{array}$ $\begin{array}{lllll}0.032389 & 0.140739 & 0.377277 & 0.315399\end{array}$ $\begin{array}{lllll}0.027599 & 0.211179 & 0.380193 & 0.337554\end{array}$ $\begin{array}{lllll}0.05389 & 0.23173 & 0.489868 & 0.423171\end{array}$ $\begin{array}{lllll}0.035395 & 0.284612 & 0.529018 & 0.337781\end{array}$ $\begin{array}{lllllll}0.057315 & 0.236459 & 0.440994 & 0.411801\end{array}$ $\begin{array}{llllll}0.02678 & 0.275264 & 0.4325 & 0.409186\end{array}$ $\begin{array}{llllll}0.038734 & 0.245814 & 0.397612 & 0.399987\end{array}$ $\begin{array}{llll}0.046876 & 0.269148 & 0.44984 & 0.379988 \\ 0\end{array}$ $\begin{array}{llll}0.045548 & 0.16684 & 0.346027 & 0.398413\end{array}$ $\begin{array}{llllll}0.040967 & 0.239262 & 0.351237 & 0.425069\end{array}$ $\begin{array}{lllll}0.037768 & 0.207041 & 0.43951 & 0.265456\end{array}$ 0.0327980 .2231490 .2234040 .26864 $\begin{array}{llllll}0.034179 & 0.195723 & 0.434751 & 0.32026\end{array}$ $\begin{array}{lllll}0.032551 & 0.330623 & 0.50207 & 0.388566\end{array}$ $\begin{array}{llllllll}0.040341 & 0.221148 & 0.452714 & 0.430264\end{array}$ $\begin{array}{llll}0.037549 & 0.253045 & 0.402368 & 0.425946 \\ 0.048674 & 0.301212 & 0.48684 & 0.397498\end{array}$ $\begin{array}{lllll}0.03533 & 0.1903 & 0.343706 & 0.4613488\end{array}$ $\begin{array}{llll}0.030153 & 0.226496 & 0.374542 & 0.415161\end{array}$ $\begin{array}{llllllll}0.042013 & 0.306414 & 0.687507 & 0.405286\end{array}$ $\begin{array}{llllllll}0.051944 & 0.280186 & 0.636568 & 0.351326\end{array}$

$\begin{array}{lllllllllll}1000 & 954.7402 & 0.011517 & 0.076657 & 0.073026 & 0.053915 & 3.454273 & 3.722854 & 0.004414\end{array}$ | 100 | 1272.714 | 0.00827 | 0.078577 | 0.079631 | 0.06909 | 3.380522 | 3.60338 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.005034 |  |  |  |  |  |  |
| 1000 | 1090.563 | 0.012696 | 0.11002 | 0.155683 | 0.080239 | 3.342793 | 3.353529 | $\begin{array}{llllllll}1000 & 1090.563 & 0.012696 & 0.11002 & 0.135683 & 0.080239 & 3.342793 & 3.355329\end{array} 0.00738$ $\begin{array}{lllllllll}1000 & 1108.202 & 0.005335 & 0.109308 & 0.063518 & 0.067985 & 3.879584 & 3.752298 & 0.008857\end{array}$ $\begin{array}{lllllllll}1000 & 806.8444 & 0.004324 & 0.102574 & 0.059605 & 0.073346 & 3.653791 & 3.516556 & 0.0004051\end{array}$ $\begin{array}{lllllllll}1000 & 914.2567 & 0.004153 & 0.114086 & 0.049489 & 0.080209 & 3.794394 & 3.571954 & 0.004479 \\ 1000 & 893.4262 & 0.006385 & 0.042731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022\end{array}$ $\begin{array}{lllllllll}1000 & 893.4262 & 0.006385 & 0.082731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022 \\ 1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043\end{array}$ $\begin{array}{lllllllll}1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043 \\ 1000 & 1169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434\end{array}$ $\begin{array}{lllllllll}1000 & 169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434 \\ 1000 & 1053.112 & 0.013905 & 0.094439 & 0.126871 & 0.084418 & 3.853167 & 3.719851 & 0.007851\end{array}$ $\begin{array}{llllllllll}1000 & 924.9597 & 0.013821 & 0.095901 & 0.092919 & 0.083954 & 3.303534 & 3.69245 & 0.008313\end{array}$ $\begin{array}{llllllllll}1000 & 929.897 & 0.011303 & 0.100757 & 0.124632 & 0.102378 & 3.70694 & 4.155721 & 0.006357\end{array}$ $\begin{array}{lllllllllllll}1000 & 816.8621 & 0.012361 & 0.068867 & 0.110598 & 0.067444 & 3.685269 & 3.213626 & 0.006508\end{array}$ $\begin{array}{lllllllll}1000 & 949.325 & 0.009912 & 0.106425 & 0.100117 & 0.096079 & 3.538048 & 3.874579 & 0.00542\end{array}$ $\begin{array}{llllllllll}1000 & 926.7873 & 0.007784 & 0.096236 & 0.118035 & 0.086178 & 3.763401 & 3.563227 & 0.005645\end{array}$ $\begin{array}{lllllllll}1000 & 912.4806 & 0.006225 & 0.086799 & 0.07192 & 0.071014 & 4.445459 & 3.966092 & 0.003644 \\ 1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679 \\ 1000 & 739.955 & 0.008665 & 0.072257 & 0.059415 & 0.04739 & 3.539247 & 3.431989 & 0.003882\end{array}$ $\begin{array}{llllllllll}1000 & 923.6396 & 0.015139 & 0.088651 & 0.107531 & 0.101202 & 4.080767 & 4.18379 & 0.007229\end{array}$ $\begin{array}{lllllllll}1000 & 998.7942 & 0.014375 & 0.092799 & 0.069904 & 0.077983 & 4.859558 & 4.062325 & 0.00789\end{array}$ $\begin{array}{llllllllll}1000 & 964.0702 & 0.018234 & 0.095121 & 0.065995 & 0.08995 & 3.717948 & 3.640993 & 0.00806\end{array}$ $\begin{array}{llllllllll}1000 & 742.7638 & 0.015159 & 0.067252 & 0.065988 & 0.057898 & 3.160749 & 3.546165 & 0.005081\end{array}$ $\begin{array}{llllllllll}1000 & 905.9696 & 0.029472 & 0.080984 & 0.089015 & 0.088469 & 3.896241 & 3.704055 & 0.006701 \\ 1000 & 677.0832 & 0.018717 & 0.04472 & 0.0633 & 0.067052 & 2.083352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{lllllllll}1000 & 677.0832 & 0.017817 & 0.06472 & 0.0683 & 0.067052 & 2.983352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{rrrrrrrr}1000 & 835.3986 & 0.0193 & 0.107959 & 0.061102 & 0.089965 & 3.770492 & 3.983881 \\ 1000 & 1055.227 & 0.031029 & 0.130869 & 0.149497 & 0.164357 & 4.198231 & 4.428987 \\ & 0.010879\end{array}$ $\begin{array}{lllllllll}1000 & 1135.769 & 0.024039 & 0.235507 & 0.261928 & 0.220107 & 5.123973 & 5.447309 & 0.011872\end{array}$ $\begin{array}{lllllllllll}1000 & 901.5444 & 0.024493 & 0.217719 & 0.170897 & 0.216832 & 3.868588 & 3.896199 & 0.008384\end{array}$ $\begin{array}{lllllllll}1000 & 816.8693 & 0.020738 & 0.159573 & 0.105127 & 0.128959 & 3.802623 & 3.555526 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1104.072 & 0.031599 & 0.212523 & 0.119492 & 0.157064 & 4.515302 & 4.766327 & 0.011752 \\ 1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.731092 & 0.05317\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.730092 & 0.005317 \\ 1000 & 1437.525 & 0.029841 & 0.115872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044\end{array}$ $\begin{array}{lllllllll}1000 & 1437.525 & 0.029841 & 0.135872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044 \\ 1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337\end{array}$ $\begin{array}{lllllllll}1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337 \\ 1000 & 886.2676 & 0.025805 & 0.107506 & 0.089154 & 0.095463 & 3.506874 & 3.711658 & 0.003538\end{array}$ $\begin{array}{lllllllllll}1000 & 842.032 & 0.01552 & 0.084389 & 0.063155 & 0.04805 & 2.955204 & 3.227979 & 0.008163\end{array}$

 $\begin{array}{llllllllll}1000 & 1032.266 & 0.015278 & 0.093465 & 0.063198 & 0.092677 & 4.303188 & 4.427348 & 0.006097\end{array}$ $\begin{array}{llllllllll}1000 & 1163.191 & 0.012721 & 0.082095 & 0.074277 & 0.086568 & 3.662919 & 4.265463 & 0.005579\end{array}$ $\begin{array}{lllllllll}1000 & 952.1707 & 0.013492 & 0.094063 & 0.058444 & 0.058092 & 3.449602 & 4.095555 & 0.005638\end{array}$ $\begin{array}{lllllllll}1000 & 920.5129 & 0.01448 & 0.076023 & 0.110567 & 0.070273 & 4.091825 & 3.791303 & 0.005693 \\ 1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.01231 & 0.057516\end{array}$ $\begin{array}{lllllllll}1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.912316 & 0.007516 \\ 1000 & 807.0471 & 0.006223 & 0.074684 & 0.046534 & 0.038346 & 3.623401 & 3.187006 & 0.004204\end{array}$ $\begin{array}{lllllllll}1000 & 786.2466 & 0.012113 & 0.075306 & 0.057192 & 0.0595963 & 3.457622 & 3.091417 & 0.0002475\end{array}$ $\begin{array}{llllllllll}1000 & 821.9089 & 0.009124 & 0.089605 & 0.072783 & 0.07465 & 3.35769 & 3.287442 & 0.005517\end{array}$ $\begin{array}{llllllllll}1000 & 894.1228 & 0.009497 & 0.069158 & 0.062235 & 0.06349 & 3.289014 & 3.156752 & 0.004948\end{array}$ $\begin{array}{lllllllll}1000 & 1255.886 & 0.004502 & 0.086547 & 0.049195 & 0.084082 & 4.200069 & 4.239499 & 0.007604\end{array}$ $\begin{array}{llllllllll}1000 & 979.8236 & 0.007467 & 0.074937 & 0.055611 & 0.062682 & 3.302284 & 3.395145 & 0.003378\end{array}$ $\begin{array}{llllllllll}1000 & 801.0604 & 0.006625 & 0.057144 & 0.060472 & 0.086758 & 3.259972 & 3.024607 & 0.004495\end{array}$ $\begin{array}{lllllllll}1000 & 1124.954 & 0.006173 & 0.09285 & 0.105135 & 0.059538 & 3.774991 & 3.56253 & 0.001245 \\ 1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183\end{array}$ $\begin{array}{lllllllll}1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183 \\ 1000 & 854.2436 & 0.009424 & 0.089798 & 0.089011 & 0.055893 & 2.709052 & 2.916583 & 0.003743\end{array}$ $\begin{array}{llllllllll}1000 & 989.3375 & 0.0037 & 0.103038 & 0.156974 & 0.088905 & 3.726456 & 3.665479 & 0.004032\end{array}$ $\begin{array}{llllllll}1000 & 821.8877 & 0.008867 & 0.061957 & 0.090673 & 0.0882364 & 3.141303 & 3.178633 \\ 10.004269\end{array}$ $\begin{array}{llllllll}1000 & 866.6323 & 0.006408 & 0.066915 & 0.06133 & 0.032564 & 2.802162 & 2.939539\end{array} 0.0004649$ $\begin{array}{llllllllll}1000 & 1055.696 & 0.005932 & 0.126907 & 0.117148 & 0.107324 & 3.778802 & 3.430813 & 0.007249\end{array}$ $\begin{array}{llllllllll}1000 & 969.0599 & 0.006237 & 0.155476 & 0.165314 & 0.170515 & 3.348268 & 3.577276 & 0.007243\end{array}$ $\begin{array}{lllllllll}1000 & 905.1569 & 0.004503 & 0.224265 & 0.174133 & 0.181586 & 3.8038818 & 3.540683 & 0.004902\end{array}$ | 1000 | 951.0365 | 0.004052 | 0.154738 | 0.121003 | 0.181383 | 3.551357 | 3.640752 | 0.004787 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1060767 |  |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1067.671 & 0.010989 & 0.207167 & 0.158832 & 0.146679 & 3.860261 & 3.480168 & 0.009125 \\ 1000 & 931.7469 & 0.010827 & 0.13804 & 0.138839 & 0.15096 & 3.981674 & 3.594659 & 0.004702\end{array}$ $\begin{array}{llllllllll}1000 & 1294.978 & 0.009199 & 0.172773 & 0.150369 & 0.144599 & 3.823617 & 3.834228 & 0.004968\end{array}$ $\begin{array}{llllllllll}1000 & 924.7106 & 0.010711 & 0.124015 & 0.086709 & 0.098492 & 4.29976 & 4.196463 & 0.005101\end{array}$ $\begin{array}{llllllllll}1000 & 897.9803 & 0.007428 & 0.136189 & 0.127603 & 0.115538 & 4.292719 & 4.271929 & 0.004848\end{array}$



$\begin{array}{llll}0.038442 & 0.25717 & 0.516831 & 0.406998 \\ 0.0527 & 0.257097 & 0.620386 & 0.34931\end{array}$ $\begin{array}{llll}0.02527 & 0.257097 & 0.620386 & 0.434931 \\ 0.061144 & 0.310332 & 0.730268 & 0.680519\end{array}$ $\begin{array}{llllll}0.071205 & 0.314298 & 0.583505 & 0.478512\end{array}$ $\begin{array}{llllll}0.052534 & 0.276871 & 0.445369 & 0.504774\end{array}$ $\begin{array}{lllll}0.015175 & 0.293396 & 0.585299 & 0.549769\end{array}$ $\begin{array}{llll}0.03165 & 0.22969 & 0.519583 & 0.518659\end{array}$ $\begin{array}{llll}0.045952 & 0.23459 & 0.563636 & 0.396522\end{array}$ $\begin{array}{llll}0.057147 & 0.18637 & 0.799558 & 0.473108 \\ 0.068757 & 0.267118 & 0.605823 & 0.467768\end{array}$ $\begin{array}{lllll}0.043187 & 0.244831 & 0.461797 & 0.587721\end{array}$ $\begin{array}{lllll}0.037772 & 0.310535 & 0.620091 & 0.551422\end{array}$ $\begin{array}{llllll}0.065119 & 0.355241 & 0.662569 & 0.473378\end{array}$ $\begin{array}{llllllll}0.059956 & 0.234089 & 0.626285 & 0.509287\end{array}$ $\begin{array}{llllll}0.033424 & 0.234696 & 0.637721 & 0.476822\end{array}$ $\begin{array}{lllll}0.040207 & 0.258841 & 0.429187 & 0.386615\end{array}$ $\begin{array}{llll}0.077969 & 0.23213 & 0.398758 & 0.363042\end{array}$ $\begin{array}{lllll}0.036864 & 0.268675 & 0.377199 & 0.481184\end{array}$ $\begin{array}{llllll}0.041442 & 0.189062 & 0.30631 & 0.449111\end{array}$ $\begin{array}{llllll}0.052248 & 0.287395 & 0.579813 & 0.526782\end{array}$ $\begin{array}{lllllllll}0.063923 & 0.239549 & 0.520816 & 0.483008\end{array}$ $\begin{array}{lllll}0.057084 & 0.280712 & 0.58164 & 0.48744\end{array}$ 0.0634230 .2595940 .4948980 .523258 $\begin{array}{llll}0.058473 & 0.235757 & 0.455991 & 0.501626\end{array}$ $\begin{array}{lllll}0.047727 & 0.191102 & 0.477394 & 0.41884\end{array}$ $0.046566 \quad 0.189850 .390194 \quad 0.518502$ $\begin{array}{llllll}0.048197 & 0.238425 & 0.315025 & 0.320648\end{array}$ $\begin{array}{lllll}0.028413 & 0.22096 & 0.406216 & 0.361386\end{array}$ $\begin{array}{lllllllll}0.047731 & 0.242989 & 0.325732 & 0.331523\end{array}$ $\begin{array}{llllll}0.043665 & 0.297089 & 0.395603 & 0.414018\end{array}$ $\begin{array}{llll}0.026401 & 0.223158 & 0.389837 & 0.288353 \\ 0.047581\end{array}$ $\begin{array}{llll}0.047581 & 0.260213 & 0.46345 & 0.453713 \\ 0.03868 & 0.27180 & 0.41396\end{array}$ $\begin{array}{lllll}0.033133 & 0.328421 & 0.478138 & 0.42187\end{array}$ $\begin{array}{lllll}0.029398 & 0.206787 & 0.313435 & 0.291317\end{array}$ $\begin{array}{lllll}0.036079 & 0.242836 & 0.500053 & 0.489265\end{array}$ $\begin{array}{lllll}0.042607 & 0.33338 & 0.528459 & 0.539427\end{array}$ $\begin{array}{llllllll}0.051765 & 0.206022 & 0.495715 & 0.468539\end{array}$ $\begin{array}{lllll}0.058844 & 0.29485 & 0.560731 & 0.49751\end{array}$ $\begin{array}{llll}0.0517 & 0.298168 & 0.512608 & 0.563671\end{array}$ $0.04832 \quad 0.257184 \quad 0.5396970 .531525$ $\begin{array}{llllll}0.048428 & 0.246065 & 0.475737 & 0.582102\end{array}$ $\begin{array}{lllll}0.064369 & 0.282002 & 0.798178 & 0.558916\end{array}$ $\begin{array}{lllll}0.0432 & 0.278067 & 0.712591 & 0.411828\end{array}$ $\begin{array}{lllll}0.03775 & 0.238837 & 0.5676 & 0.58576\end{array}$ $\begin{array}{llll}0.060746 & 0.364108 & 0.702367 & 0.656429\end{array}$ $\begin{array}{lllll}0.057087 & 0.284162 & 0.48523 & 0.5973\end{array}$ $\begin{array}{lllll}0.047673 & 0.253842 & 0.6202924 & 0.516247\end{array}$ $\begin{array}{lllll}0.045499 & 0.232241 & 0.672168 & 0.576548\end{array}$ $\begin{array}{llllll}0.045464 & 0.315771 & 0.722766 & 0.493657\end{array}$ 0.0575830 .2455960 .6069050 .714614 0.0612110 .2619110 .7010140 .566689 $\begin{array}{lllll}0.078006 & 0.28854 & 1.068701 & 0.803587\end{array}$ 0.0631130 .2561910 .711990 .558512 | 0.066681 | 0.243699 | 0.841431 | 0.630426 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088124 & 0.336349 & 0.711457 & 0.631812\end{array}$ $\begin{array}{lllllllllll}0.086743 & 0.288037 & 0.638205 & 0.677122\end{array}$ $\begin{array}{llllll}0.064036 & 0.264724 & 0.707442 & 0.5739\end{array}$ $0.0598670 .204498 \quad 0.8126870 .759961$


$\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509\end{array}$ $\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509 \\ 1000 & 762.0388 & 0.00795 & 0.128038 & 0.074348 & 0.079606 & 3.476258 & 3.034351 & 0.005465 \\ 100 & 1052.09 & 0.00533 & 0.09129 & 0.112255 & 0.08046 & 3.664733 & 354152 & 0.006605\end{array}$ $\begin{array}{lllllllll}1000 & 1052.099 & 0.00533 & 0.091295 & 0.112255 & 0.080486 & 3.664733 & 3.54152 & 0.006605 \\ 1000 & 1051.951 & 0.008579 & 0.165697 & 0.16662 & 0.118474 & 3.802618 & 4.566825 & 0.011598\end{array}$ | 1000 | 989.5235 | 0.008902 | 0.200976 | 0.145518 | 0.118474 | 3.802618 | 4.566825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 972.0827 & 0.004235 & 0.206003 & 0.250322 & 0.183376 & 3.723078 & 4.528188 & 0.013964 \\ 1000 & 8918153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 & 0.009422\end{array}$ $\begin{array}{llllllll}1000 & 981.8153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 \\ 1000 & 726.1338 & 0.0009422 \\ 1 & 0.003448 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826\end{array}$ $\begin{array}{lllllllll}1000 & 726.1338 & 0.009348 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826 \\ 1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1226.964 & 0.009147 & 0.177234 & 0.090228 & 0.118526 & 4.50919 & 4.470555 & 0.016023 \\ 1000 & 1085.245 & 0.010195 & 0.115909 & 0.098565 & 0.112037 & 4.157035 & 4.397444 & 0.010475\end{array}$ $\begin{array}{lllllllll}1000 & 939.0951 & 0.008627 & 0.088813 & 0.092862 & 0.062909 & 3.879353 & 4.08061 & 0.010917\end{array}$ $\begin{array}{llllllllll}1000 & 956.2717 & 0.014147 & 0.092143 & 0.103312 & 0.104097 & 4.150971 & 3.924027 & 0.01226\end{array}$ $\begin{array}{lllllllll}1000 & 1268.439 & 0.023652 & 0.093111 & 0.062893 & 0.086107 & 4.704849 & 3.951365 & 0.008615\end{array}$ $\begin{array}{llllllllll}1000 & 921.0053 & 0.020339 & 0.112914 & 0.098795 & 0.067773 & 3.749381 & 4.035968 & 0.01057\end{array}$ $\begin{array}{lllllllll}1000 & 939.862 & 0.015328 & 0.106537 & 0.094315 & 0.056636 & 4.096933 & 3.679957 & 0.007764 \\ 1000 & 969.6646 & 0.015642 & 0.094104 & 0.065526 & 0.102136 & 3.633843 & 3.429528 & 0.008389\end{array}$ $\begin{array}{lllllllll}1000 & 969.6646 & 0.015642 & 0.094104 & 0.066526 & 0.102136 & 3.633843 & 3.429528 & 0.008389 \\ 1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174\end{array}$ $\begin{array}{lllllllll}1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174 \\ 1000 & 1007.789 & 0.00971 & 0.081533 & 0.059426 & 0.085335 & 3.948402 & 3.629657 & 0.004987\end{array}$ $\begin{array}{lllllllll}1000 & 779.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565\end{array}$ $\begin{array}{lllllllll}1000 & 79.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565 \\ 1000 & 1066.358 & 0.00749 & 0.190354 & 0.189874 & 0.199806 & 3.625899 & 3.923751 & 0.002367\end{array}$ $\begin{array}{llllllll}1000 & 932.7008 & 0.008039 & 0.186358 & 0.22455 & 0.162356 & 3.84742 & 4.001767 \\ 10.0063837\end{array}$ $\begin{array}{lllllllll}1000 & 980.2405 & 0.011095 & 0.247101 & 0.14842 & 0.202215 & 3.554103 & 3.964025 & 0.005584\end{array}$ $\begin{array}{lllllllll}1000 & 1015.092 & 0.0059 & 0.19079 & 0.1428 & 0.200354 & 3.66321 & 3.684331 & 0.0054656 \\ 1000 & 1232576 & 0.00892 & 0.169017 & 0.122214 & 0.170122 & 377353 & 3.45667 & 0.007528\end{array}$ $\begin{array}{lllllllll}1000 & 1232.576 & 0.008992 & 0.169017 \\ 1000 & 937.2437 & 0.007459 & 0.117415 & 0.0921056 & 0.170122 & 3.773353 & 3.845667 & 0.007528 \\ 1 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 937.2437 & 0.007459 & 0.117415 & 0.091056 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 1022.361 & 0.011118 & 0.142214 & 0.072042 & 0.092509 & 3.62891 & 3.852747 & 0.005411 \\ 1000 & 899.6914 & 0.009343 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 & 0.007031\end{array}$ $\begin{array}{llllllll}1000 & 899.6914 & 0.009383 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 \\ 1000 & 842.7406 & 0.008896 & 0.088817 & 0.059609 & 0.104841 & 2.940103 & 3.123158 \\ 0.003311\end{array}$ $\begin{array}{lllllllll}1000 & 1104.459 & 0.014924 & 0.090176 & 0.042275 & 0.070423 & 4.073826 & 3.79903 & 0.003844\end{array}$ $\begin{array}{lllllllll}1000 & 978.4407 & 0.00805 & 0.082218 & 0.0070286 & 0.065493 & 3.223089 & 3.60059 & 0.0033515\end{array}$ $\begin{array}{lllllllll}1000 & 1162.722 & 0.009449 & 0.099094 & 0.085935 & 0.102102 & 4.027651 & 4.378036 & 0.003163\end{array}$ $\begin{array}{lllllllll}1000 & 756.8576 & 0.0078821 & 0.05696 & 0.0688695 & 0.068883 & 3.040587 & 2.94512 & 0.002299\end{array}$ $\begin{array}{lllllllll}1000 & 971.519 & 0.007318 & 0.069 & 0.094197 & 0.043817 & 3.513508 & 4.053341 & 0.003582\end{array}$ $\begin{array}{lllllllll}1000 & 959.3546 & 0.009271 & 0.087096 & 0.102484 & 0.07995 & 3.634127 & 3.926655 & 0.003381 \\ 1000 & 1019.094 & 0.006991 & 0.084875 & 0.095649 & 0.069527 & 4.09079 & 4.045614 & 0.004528\end{array}$ $\begin{array}{lllllllll}1000 & 763.6563 & 0.0005523 & 0.060883 & 0.0377828 & 0.0677001 & 2.750182 & 2.646371 & 0.001986\end{array}$ $\begin{array}{lllllllll}1000 & 892.8149 & 0.003764 & 0.08229 & 0.074591 & 0.075081 & 3.599805 & 4.337732 & 0.002417\end{array}$ $\begin{array}{llllllllll}1000 & 1077.353 & 0.006662 & 0.123206 & 0.075494 & 0.078135 & 4.048893 & 4.267745 & 0.004194\end{array}$ $\begin{array}{lllllllll}1000 & 1125.596 & 0.003603 & 0.094028 & 0.108934 & 0.092433 & 5.967074 & 4.696057 & 0.006665\end{array}$ $\begin{array}{lllllllll}1000 & 939.0287 & 0.004171 & 0.073003 & 0.041026 & 0.044625 & 3.420683 & 3.260777 & 0.0004614\end{array}$ $\begin{array}{lllllllll}1000 & 1139.014 & 0.001388 & 0.106343 & 0.102611 & 0.09935 & 4.500358 & 4.412559 & 0.010617 \\ 1000 & 1417.454 & 0.006477 & 0.113838 & 0.124553 & 0.094324 & 4.017941 & 4.145774 & 0.007085\end{array}$ $\begin{array}{llllllllll}1000 & 1417.454 .807 & 0.002359 & 0.085815 & 0.067423 & 0.076991 & 3.222431 & 3.381846 & 0.008018\end{array}$ $\begin{array}{llllllllll}1000 & 751.5371 & 0.005428 & 0.081747 & 0.080985 & 0.074071 & 2.786299 & 3.351637 & 0.011626\end{array}$ $\begin{array}{lllllllll}1000 & 975.036 & 0.010226 & 0.111202 & 0.165294 & 0.082725 & 4.409912 & 4.142978 & 0.009188\end{array}$ $\begin{array}{llllllllll}1000 & 786.2157 & 0.00564 & 0.102191 & 0.161635 & 0.092193 & 3.372319 & 3.721701 & 0.007232\end{array}$ $\begin{array}{llllllllll}1000 & 861.0951 & 0.005876 & 0.107937 & 0.105989 & 0.079509 & 3.549053 & 3.95556 & 0.007697\end{array}$ $\begin{array}{rrrrrrrr}1000 & 954.2135 & 0.009775 & 0.12469 & 0.106612 & 0.10979 & 4.590091 & 4.425664\end{array} 0.0011692$ $\begin{array}{lllllllll}1000 & 1041.884 & 0.008112 & 0.132957 & 0.109909 & 0.074753 & 4.222446 & 5.159665 & 0.009473 \\ 1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758\end{array}$ $\begin{array}{lllllllll}1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758 \\ 1000 & 904.946 & 0.010895 & 0.073672 & 0.119999 & 0.079519 & 4.270964 & 4.144797 & 0.010374\end{array}$ $\begin{array}{llllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.010464\end{array}$ $\begin{array}{lllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.01046 \\ 1000 & 911.0554 & 0.01067 & 0.088499 & 0.09556 & 0.096052 & 4.670143 & 4.43382 & 0.009184\end{array}$ $\begin{array}{lllllllll}1000 & 889.0681 & 0.011204 & 0.102134 & 0.107378 & 0.11104 & 3.894069 & 5.12506 & 0.012518\end{array}$

 | 1000 | 1211.922 | 0.011633 | 0.193457 | 0.14533 | 0.188593 | 5.694847 | 5.9206474 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.015963 $\begin{array}{lllllllll}1000 & 981.8394 & 0.014366 & 0.144531 & 0.103728 & 0.130518 & 4.183408 & 4.338904 & 0.010961 \\ 1000 & 845.2668 & 0.011602 & 0.139455 & 0.18139 & 0.148425 & 5.08163 & 4.01214 & 0.016106\end{array}$ $\begin{array}{lllllllll}1000 & 845.2668 & 0.011602 & 0.139455 & 0.181369 & 0.148425 & 5.08163 & 4.01214 & 0.016106 \\ 1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.512167 & 0.01294\end{array}$ $\begin{array}{lllllllll}1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.510167 & 0.011294 \\ 1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534\end{array}$ $\begin{array}{lllllllll}1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534 \\ 1000 & 1130.177 & 0.011671 & 0.137384 & 0.143126 & 0.104623 & 4.115838 & 4.484978 & 0.017592\end{array}$ $\begin{array}{llllllllll}1000 & 1100.734 & 0.008856 & 0.126336 & 0.105349 & 0.148234 & 4.620265 & 4.866172 & 0.01935\end{array}$ $\begin{array}{lllllllll}1000 & 988.9117 & 0.011863 & 0.12533 & 0.119406 & 0.113521 & 4.459507 & 4.108756 & 0.012289\end{array}$



$\begin{array}{llll}0.088276 & 0.301746 & 0.684175 & 0.726887\end{array}$ $\begin{array}{llll}0.061252 & 0.2266 & 0.613263 & 0.527212 \\ 0.082422 & 0.252141 & 0.638955 & 0.65554\end{array}$ $\begin{array}{llllll}0.066214 & 0.188481 & 0.407644 & 0.532784\end{array}$ $\begin{array}{llllll}0.062069 & 0.271612 & 0.642627 & 0.690178\end{array}$ $\begin{array}{llllll}0.060618 & 0.23348 & 0.643379 & 0.482898\end{array}$ $\begin{array}{llllll}0.074204 & 0.316499 & 0.805413 & 0.761162\end{array}$ $\begin{array}{llllll}0.061303 & 0.241004 & 0.728796 & 0.659874\end{array}$ | 0.062817 | 0.262773 | 0.607984 | 0.54725 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.074315 & 0.229177 & 0.532464 & 0.589107\end{array}$ $\begin{array}{lllll}0.090322 & 0.269939 & 0.928538 & 0.579235\end{array}$ $\begin{array}{lllll}0.045584 & 0.396844 & 0.630934 & 0.45254\end{array}$ $\begin{array}{lllllll}0.066522 & 0.361326 & 0.576329 & 0.414493\end{array}$ $\begin{array}{llllll}0.061807 & 0.250508 & 0.605018 & 0.444609\end{array}$ $\begin{array}{lllll}0.019469 & 0.188175 & 0.364697 & 0.439939\end{array}$ $\begin{array}{llll}0.056201 & 0.341304 & 0.519805 & 0.539248\end{array}$ 083953 0.0636730 .2833760 .6229480 .442476 $\begin{array}{llllllll}0.085354 & 0.330917 & 0.561869 & 0.426571\end{array}$ 0.0633350 .3124160 .6146060 .645965 $0.056895 \quad 0.218410 .7316680 .544225$ $\begin{array}{lllll}0.057601 & 0.251343 & 0.773882 & 0.760661\end{array}$ $\begin{array}{lllll}0.072158 & 0.200817 & 0.72924 & 0.586831\end{array}$ | 0.0258304 | 0.29844 | 0.711803 | 0.551968 |
| :--- | :--- | :--- | :--- | :--- |
| 042546 | 0.350998 | 0.680474 | 0.677959 | 0.0513050 .3386450 .6995920 .623646 $\begin{array}{lllll}0.050569 & 0.263866 & 0.789198 & 0.578686\end{array}$ $\begin{array}{lllllll}0.052159 & 0.292072 & 0.863879 & 0.544516\end{array}$ $\begin{array}{llllll}0.052515 & 0.271795 & 0.563818 & 0.585331\end{array}$ $\begin{array}{lllll}0.065539 & 0.242077 & 0.592998 & 0.538706\end{array}$ $\begin{array}{llllll}0.093555 & 0.342871 & 0.752932 & 0.633264\end{array}$ $\begin{array}{lllll}0.045633 & 0.181018 & 0.497428 & 0.29859 \\ 0.060617 & 0.226135 & 0.711152 & 0.500131\end{array}$ $0.0819380 .294266 \quad 0.606523 \quad 0.531855$ $\begin{array}{llll}0.066549 & 0.214035 & 0.67254 & 0.37811\end{array}$ $\begin{array}{llllll}0.087322 & 0.262825 & 0.496692 & 0.575454\end{array}$ $\begin{array}{llllll}0.094805 & 0.2694 & 0.572967 & 0.625262\end{array}$ $\begin{array}{lllll}0.077395 & 0.24767 & 0.520745 & 0.555115\end{array}$ $\begin{array}{lllll}0.104466 & 0.192254 & 0.668985 & 0.561807\end{array}$ $\begin{array}{llll}0.104908 & 0.276741 & 0.781278 & 0.658763\end{array}$ $\begin{array}{lllll}0.062864 & 0.228395 & 0.612342 & 0.518708\end{array}$ 01126350.2874230 .7258550 .783772 0.0892710 .2112760 .591070 .693697 0.0597660 .2260260 .9191020 .502028 $\begin{array}{llllllll}0.094103 & 0.292796 & 0.794171 & 0.631834\end{array}$ $\begin{array}{llll}0.047497 & 0.246617 & 0.477928 & 0.589447\end{array}$ $\begin{array}{llll}0.084941 & 0.226485 & 0.575785 & 0.596837 \\ 0.067965 & 0.22133 & 0.546085 & 0.547582\end{array}$ $\begin{array}{lllll}0.1007 & 0.246375 & 0.645385 & 0.7444845\end{array}$ $0.06558 \quad 0.180890 .5108620 .403974$ $\begin{array}{lllll}0.110081 & 0.245778 & 0.82607 & 0.697008\end{array}$ $\begin{array}{lllll}0.064119 & 0.216909 & 0.65652 & 0.48817\end{array}$ $\begin{array}{llllllll}0.050474 & 0.225042 & 0.558581 & 0.791978\end{array}$ $\begin{array}{llll}0.104281 & 0.391839 & 0.75692 & 0.508091\end{array}$ $\begin{array}{llll}0.090344 & 0.197166 & 0.607726 & 0.513741\end{array}$ $\begin{array}{llll}100516 & 0.242699 & 0.484892 & 0.430921\end{array}$ $\begin{array}{lllll}0.06642 & 0.264238 & 0.666401 & 0.504242\end{array}$ $\begin{array}{llllll}0.080936 & 0.270039 & 0.760565 & 0.639192\end{array}$ $\begin{array}{lllll}0.127452 & 0.256219 & 1.224445 & 0.748797\end{array}$ $\begin{array}{lllllll}0.092625 & 0.251734 & 0.722863 & 0.877018\end{array}$


$\begin{array}{lllllllll}1000 & 1028.654 & 0.01416 & 0.146036 & 0.127012 & 0.12246 & 4.537907 & 4.526973 & 0.013951\end{array}$ | 1000 | 1028.654 | 0.01416 | 0.146036 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 741.1929 | 0.010975 | 0.105124 | 0.09514 | 0.107808 | 4.4249924 | 4.0712412 |
| 1000 | 952.0595 | 0.0143951 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 952.0595 & 0.014329 & 0.12192 & 0.137419 & 0.108744 & 4.581381 & 4.244194 & 0.012851 \\ 1000 & 729.668 & 0.012671 & 0.111895 & 0.071418 & 0.088819 & 3.029747 & 3.228529 & 0.007106\end{array}$ $\begin{array}{llllllllll}1000 & 854.5858 & 0.016368 & 0.139891 & 0.129363 & 0.115504 & 4.236453 & 4.770272 & 0.018807\end{array}$ $\begin{array}{llllllllll}1000 & 842.921 & 0.010945 & 0.129997 & 0.102735 & 0.109373 & 3.79367 & 3.548281 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 794.2845 & 0.016659 & 0.141958 & 0.104014 & 0.113704 & 4.640105 & 3.849413 & 0.0137706\end{array}$ $\begin{array}{lllllllll}1000 & 1167.565 & 0.017254 & 0.160906 & 0.105409 & 0.114498 & 4.568694 & 3.776259 & 0.018366 \\ 1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 389191 & 0.016555\end{array}$ $\begin{array}{lllllllll}1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 3.89191 & 0.016555 \\ 1000 & 965.6001 & 0.015165 & 0.136527 & 0.116746 & 0.143778 & 4.170457 & 3.644165 & 0.012015\end{array}$ $\begin{array}{llllllllll} \\ 1000 & 1083.225 & 0.011244 & 0.206303 & 0.183779 & 0.14417 & 3.601772 & 3.602176 & 0.014059\end{array}$ $\begin{array}{lllllllllll}1000 & 1064.777 & 0.013144 & 0.163366 & 0.147514 & 0.157111 & 4.303764 & 4.500307 & 0.011653\end{array}$ $\begin{array}{lllllllllllll}1000 & 1062.437 & 0.019864 & 0.129004 & 0.120001 & 0.188427 & 4.549566 & 4.011885 & 0.017755\end{array}$ $\begin{array}{lllllllll}1000 & 923.2339 & 0.011635 & 0.143064 & 0.126858 & 0.139267 & 3.941547 & 4.85899 & 0.008863\end{array}$ $\begin{array}{lllllllll}1000 & 1213.813 & 0.010406 & 0.169858 & 0.152512 & 0.119851 & 3.806865 & 4.150082 & 0.02047\end{array}$ $\begin{array}{lllllllll}1000 & 923.6479 & 0.012256 & 0.095026 & 0.116664 & 0.093599 & 2.715465 & 2.984093 & 0.007217\end{array}$ $\begin{array}{llllllll}1000 & 1085.34 & 0.012975 & 0.136139 & 0.077288 & 0.132261 & 4.865842 & 4.405829 \\ 1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 \\ 0.007217\end{array}$ $\begin{array}{lllllllll}1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 & 0.007217 \\ 1000 & 862.2706 & 0.007757 & 0.111988 & 0.205936 & 0.103626 & 4.083303 & 3.97382 & 0.007812\end{array}$ $\begin{array}{llllllllll}1000 & 1166.525 & 0.012139 & 0.129308 & 0.139162 & 0.140302 & 4.250565 & 4.191167 & 0.009151\end{array}$ $\begin{array}{lllllllll}1000 & 952.1571 & 0.011935 & 0.133134 & 0.083742 & 0.122043 & 4.088579 & 4.19907 & 0.009608\end{array}$ $\begin{array}{lllllllll}1000 & 941.5586 & 0.009338 & 0.143548 & 0.15874 & 0.170051 & 4.659294 & 4.373576 & 0.008744\end{array}$ $\begin{array}{llllllll}1000 & 923.5269 & 0.012528 & 0.162324 & 0.18333 & 0.170523 & 4.541743 & 4.142688 \\ 0.011822\end{array}$ $\begin{array}{lllllllll}1000 & 1026.94 & 0.012264 & 0.180105 & 0.172468 & 0.144151 & 4.342586 & 4.366974 & 0.009263\end{array}$ $\begin{array}{lllllllll}1000 & 898.3809 & 0.008114 & 0.130117 & 0.099964 & 0.126973 & 3.777385 & 3.928593 & 0.008312 \\ 1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712\end{array}$ $\begin{array}{lllllllll}1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712 \\ 1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158 \\ 1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313 \\ 1000 & 1109.7 & 0.009778 & 0.157751 & 0.141267 & 0.137804 & 4.241498 & 4.38585 & 0.01028\end{array}$ $\begin{array}{llllllll}1000 & 1339.654 & 0.011492 & 0.14929 & 0.199302 & 0.149522 & 4.421682 & 4.237524 \\ 0 & 0.010604\end{array}$ $\begin{array}{llllllll}1000 & 997.6421 & 0.010745 & 0.153524 & 0.100455 & 0.155497 & 4.359638 & 4.041261\end{array} 0.013399$ $\begin{array}{lllllllll}1000 & 11177.886 & 0.017531 & 0.128017 & 0.111663 & 0.104768 & 4.660146 & 4.858161 & 0.006231\end{array}$ $\begin{array}{lllllllll}1000 & 1210.461 & 0.015324 & 0.132435 & 0.145524 & 0.136851 & 4.77324 & 4.363775 & 0.014741 \\ 1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016\end{array}$ $\begin{array}{lllllllll}1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016 \\ 1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.101064 & 4.203854 & 3.677148 & 0.008598\end{array}$ $\begin{array}{lllllllll}1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.121064 & 4.203854 & 3.677148 & 0.008598 \\ & 10.01391 & 0.123925 & 0.079661 & 0.125541 & 4.107858 & 3.94834 & 0.013828\end{array}$ $\begin{array}{lllllllll}1000 & 1037.696 & 0.012634 & 0.1386 & 0.107391 & 0.105282 & 3.854211 & 3.969999 & 0.005841\end{array}$ $\begin{array}{llllllllll}1000 & 1129.114 & 0.015067 & 0.152818 & 0.112047 & 0.137587 & 4.371954 & 3.912304 & 0.015591\end{array}$ $\begin{array}{lllllllll}1000 & 1117.029 & 0.012253 & 0.148224 & 0.128415 & 0.137544 & 5.162413 & 4.703488 & 0.015218\end{array}$ $\begin{array}{lllllllll}1000 & 979.7382 & 0.01333 & 0.154674 & 0.111552 & 0.129612 & 3.934826 & 4.590088 & 0.014709\end{array}$ $\begin{array}{lllllllll}1000 & 843.3477 & 0.014759 & 0.139713 & 0.190255 & 0.16747 & 3.8035111 & 4.431059 & 0.015695 \\ 1000 & 1085.636 & 0.019048 & 0.197431 & 0.21304 & 0.169659 & 5.12123 & 5.455344 & 0.020732\end{array}$ $\begin{array}{lllllllll}1000 & 1085.636 & 0.019048 & 0.194431 & 0.21304 & 0.189659 & 5.121123 & 5.458534 & 0.020732 \\ 1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605\end{array}$ $\begin{array}{lllllllll}1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605 \\ 1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519\end{array}$ $\begin{array}{lllllllll}1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519 \\ 1000 & 1190.229 & 0.013511 & 0.21934 & 0.168678 & 0.194457 & 5.622224 & 5.323735 & 0.020317\end{array}$ $\begin{array}{lllllllll}1000 & 834.8856 & 0.01246 & 0.1542 & 0.127333 & 0.11528 & 4.061896 & 4.29263 & 0.010769\end{array}$ $\begin{array}{lllllllll}1000 & 804.4719 & 0.022858 & 0.173054 & 0.099757 & 0.141127 & 4.473441 & 4.824668 & 0.013614\end{array}$ $\begin{array}{lllllllll}1000 & 1024.253 & 0.012255 & 0.137631 & 0.147053 & 0.132348 & 4.726544 & 4.72257 & 0.01114\end{array}$ $\begin{array}{lllllllll}1000 & 772.5668 & 0.013253 & 0.113755 & 0.125139 & 0.111188 & 3.578967 & 3.349036 & 0.010864\end{array}$ $\begin{array}{lllllllll}1000 & 797.7377 & 0.01562 & 0.119882 & 0.088036 & 0.091384 & 3.778864 & 4.390999 & 0.013533 \\ 1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595\end{array}$ $\begin{array}{lllllllll}1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595 \\ 1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392\end{array}$ $\begin{array}{lllllllll}1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392 \\ 1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.016209\end{array}$ $\begin{array}{lllllllll}1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.013209 \\ 1000 & 793.5016 & 0.016685 & 0.103893 & 0.07264 & 0.094659 & 5.38651 & 4.247234 & 0.016791\end{array}$ $\begin{array}{llllllll}1000 & 1185.312 & 0.016539 & 0.132666 & 0.094909 & 0.094659 & 5.38651 & 4.247234\end{array} 0.01677911$ $\begin{array}{llllllllll}1000 & 697.6078 & 0.01846 & 0.094662 & 0.091253 & 0.084946 & 4.182955 & 5.041107 & 0.02312\end{array}$ $\begin{array}{lllllllll}1000 & 11335.368 & 0.017434 & 0.148563 & 0.105108 & 0.123007 & 5.409202 & 6.143914 & 0.0186445\end{array}$ $\begin{array}{lllllllll}1000 & 787.6569 & 0.015712 & 0.104125 & 0.106238 & 0.086148 & 3.792894 & 3.997855 & 0.020601\end{array}$ $\begin{array}{lllllllll}1000 & 855.5005 & 0.015852 & 0.089105 & 0.089334 & 0.112328 & 4.459324 & 4.034535 & 0.016094 \\ 1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383\end{array}$ $\begin{array}{lllllllll}1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383 \\ 1000 & 798.7366 & 0.011834 & 0.106116 & 0.073641 & 0.077116 & 3.848758 & 3.920447 & 0.015228\end{array}$ $\begin{array}{lllllllll}1000 & 1131.456 & 0.020422 & 0.141462 & 0.150011 & 0.146175 & 5.627302 & 4.606008 & 0.0344136\end{array}$ $\begin{array}{lllllllllll}1000 & 1279.131 & 0.028515 & 0.143399 & 0.126882 & 0.153472 & 5.532589 & 6.666819 & 0.025455\end{array}$ $\begin{array}{lllllllll}1000 & 911.3863 & 0.02108 & 0.162773 & 0.112613 & 0.134924 & 4.442642 & 5.100058 & 0.030516\end{array}$



$\begin{array}{lllll}0.090057 & 0.180101 & 0.830395 & 0.754403\end{array}$ $\begin{array}{llrr}0.083849 & 0.278798 & 0.62593 & 0.548057 \\ 0.075134 & 0.286475 & 0.7264 & 0.693681\end{array}$ $\begin{array}{llllll}0.070151 & 0.271443 & 0.592123 & 0.583905\end{array}$ $\begin{array}{llllll}0.061049 & 0.242137 & 0.611778 & 0.468276\end{array}$ $\begin{array}{lllllll}0.093781 & 0.283921 & 0.800553 & 0.890701\end{array}$ $\begin{array}{llllll}0.128203 & 0.262215 & 0.564806 & 0.565075\end{array}$ $\begin{array}{llll}0.077443 & 0.301605 & 0.653682 & 0.788995\end{array}$ $\begin{array}{llll}0.067364 & 0.279434 & 0.764247 & 0.674885 \\ 0.068625 & 0.182857 & 0.49929 & 0.456977\end{array}$ $\begin{array}{lllll}0.063606 & 0.243555 & 0.520023 & 0.647503\end{array}$ $\begin{array}{lllll}0.092354 & 0.305761 & 0.698869 & 0.615705\end{array}$ $\begin{array}{lllll}0.075596 & 0.267653 & 0.686297 & 0.632793\end{array}$ 0.1064810 .2906210 .8572110 .787656 $\begin{array}{llll}0.082494 & 0.291002 & 0.96837 & 0.809503\end{array}$ $\begin{array}{llll}0.074321 & 0.210896 & 0.686823 & 0.69662\end{array}$ $\begin{array}{llll}0.091215 & 0.33628 & 0.730852 & 0.671029\end{array}$ $\begin{array}{lllll}0.066948 & 0.28887 & 0.68104 & 0.60688 \\ 0.081486 & 0.306322 & 0.711047 & 1.079506\end{array}$ $\begin{array}{llllll}0.065462 & 0.248445 & 0.689863 & 0.611956\end{array}$ $\begin{array}{lllllll}0.089089 & 0.268386 & 0.733076 & 0.703218\end{array}$ $\begin{array}{llllll}0.06911 & 0.228116 & 0.698244 & 0.643961\end{array}$ $\begin{array}{llllllll}0.029895 & 0.296329 & 0.837482 & 0.740833\end{array}$ $\begin{array}{lllllll}0.072636 & 0.276498 & 0.763179 & 0.747061\end{array}$ 0.0368090 .2551370 .7331030 .647129 $\begin{array}{llll}0.03837 & 0.21482 & 0.68111 & 0.843815\end{array}$ 0.0342480 .2465050 .6324640 .646172 $\begin{array}{llllll}0.074181 & 0.262642 & 0.892867 & 0.816515\end{array}$ $\begin{array}{llllllll}0.052496 & 0.238135 & 0.795326 & 0.691265\end{array}$ $\begin{array}{llllll}0.077356 & 0.288994 & 0.808497 & 0.81003\end{array}$ $\begin{array}{llllll}0.057233 & 0.232916 & 0.626737 & 0.757556\end{array}$ $\begin{array}{llll}0.079342 & 0.181322 & 0.847465 & 0.699947\end{array}$ $\begin{array}{llll}0.056261 & 0.22874 & 0.714012 & 0.428302 \\ 0.052135 & 0.278671 & 0.633279 & 0.57916\end{array}$ $\begin{array}{lllllll}0.07018 & 0.295099 & 0.575787 & 0.596536\end{array}$ $\begin{array}{lllll}0.029332 & 0.244052 & 0.523411 & 0.563131\end{array}$ 0.0540190 .2818710 .6094650 .551886 $\begin{array}{llllll}0.034087 & 0.19179 & 0.591307 & 0.469939\end{array}$ $\begin{array}{lllll}0.074669 & 0.31026 & 0.562337 & 0.48022\end{array}$ $\begin{array}{llll}0.047757 & 0.372461 & 0.703879 & 0.55887\end{array}$ | 0.055755 | 0.258088 | 0.613692 | 0.557978 |
| :--- | :--- | :--- | :--- | 04577202615320.5766330 .0 .50423 $\begin{array}{llllll}0.048644 & 0.281172 & 0.836609 & 0.58781\end{array}$ 0.0869740 .3269550 .5643510 .558935 $\begin{array}{llllllll}0.041806 & 0.289478 & 0.793145 & 0.633843\end{array}$ $\begin{array}{llllll}0.066083 & 0.239037 & 0.806439 & 0.649824\end{array}$ $\begin{array}{lllll}0.048886 & 0.253014 & 0.638303 & 0.568521\end{array}$ $\begin{array}{lllll}0.048273 & 0.210509 & 0.731103 & 0.880153\end{array}$ $\begin{array}{llll}0.052744 & 0.289267 & 1.018621 & 0.690509 \\ 0.038332 & 0.220743 & 0.794439 & 1.071487\end{array}$ $\begin{array}{llllll}0.045271 & 0.269298 & 0.607697 & 0.63781\end{array}$ $\begin{array}{lllll}0.051492 & 0.244513 & 0.713634 & 0.656599\end{array}$ $\begin{array}{lllll}0.055043 & 0.29409 & 0.548967 & 0.709825\end{array}$ $\begin{array}{llllllll}0.043631 & 0.225766 & 0.553996 & 0.627067\end{array}$ $\begin{array}{lllll}0.054931 & 0.364089 & 1.179798 & 0.899678\end{array}$ $\begin{array}{llll}0.060538 & 0.273018 & 0.89157 & 0.751192\end{array}$ | 0.080024 | 0.305151 | 1.064447 | 0.637774 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.067099 & 0.320474 & 0.730043 & 0.904355\end{array}$ $\begin{array}{lllll}0.077519 & 0.301803 & 0.77401 & 0.785512\end{array}$ $\begin{array}{llllllll}0.047662 & 0.325748 & 1.001534 & 0.732589\end{array}$ $\begin{array}{llllll}0.081793 & 0.344131 & 0.883718 & 1.123488\end{array}$


$\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952\end{array}$ $\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952 \\ 1000 & 852.7033 & 0.022526 & 0.12547 & 0.100848 & 0.163057 & 4.580898 & 5.659965 & 0.020954\end{array}$ $\begin{array}{lllllllll}1000 & 874.9718 & 0.018863 & 0.151649 & 0.134745 & 0.146621 & 4.861314 & 5.084336 & 0.027006 \\ 1000 & 929.3493 & 0.013599 & 0.130454 & 0.118402 & 0.130938 & 4.799933 & 5.642004 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 806.2195 & 0.021178 & 0.118562 & 0.084522 & 0.117048 & 4.325884 & 4.025501 & 0.016481\end{array}$ $\begin{array}{llllllllll}1000 & 1264.182 & 0.01856 & 0.144559 & 0.146817 & 0.154722 & 4.590265 & 5.581338 & 0.020769\end{array}$ $\begin{array}{lllllllll}1000 & 1141.243 & 0.020414 & 0.162398 & 0.10281 & 0.156608 & 5.356503 & 5.208311 & 0.021378 \\ 1000 & 897.9089 & 0.01598 & 0.117317 & 0.18531 & 0.11238 & 4.59936 & 4.88282 & 0.016553\end{array}$ $\begin{array}{lllllllll}1000 & 897.9089 & 0.01598 & 0.117317 & 0.186319 & 0.111228 & 4.599356 & 4.88182 & 0.016553 \\ 1000 & 789.5533 & 0.13431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664\end{array}$ $\begin{array}{lllllllll}1000 & 789.5533 & 0.013431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664 \\ 1000 & 830.4513 & 0.011214 & 0.117648 & 0.1027 & 0.072961 & 3.466176 & 3.860394 & 0.011476\end{array}$ | 1000 | 830.4513 | 0.011214 | 0.117648 | 0.1027 | 0.072961 | 3.466176 | 3.860394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1026.596 | 0.010509 | 0.132961 | 0.138198 | 0.129651 | 4.88703 | 4.694534 | $\begin{array}{lllllllllllllllllll}1000 & 906.5125 & 0.012535 & 0.125429 & 0.119937 & 0.143361 & 4.849786 & 4.842747 & 0.017174\end{array}$ $\begin{array}{lllllllll}1000 & 066.51125 & 0.012535 & 0.125429 & 0.119937 & 0.143341 & 4.849876 & 4.842747 & 0.017174 \\ 1000 & 874.1378 & 0.014713 & 0.166582 & 0.132514 & 0.149416 & 4.44108 & 4.252585 & 0.015486\end{array}$ $\begin{array}{lllllllll}1000 & 918.9848 & 0.01071 & 0.19845 & 0.204507 & 0.171952 & 4.358566 & 4.711296 & 0.018166\end{array}$ $\begin{array}{lllllllll}1000 & 932.5596 & 0.013281 & 0.141466 & 0.183964 & 0.152985 & 4.393513 & 4.527203 & 0.0127775 \\ 1000 & 9055958\end{array}$ $\begin{array}{lllllllllll}1000 & 905.9589 & 0.010355 & 0.164632 & 0.117362 & 0.132887 & 3.831499 & 3.867516 & 0.012228\end{array}$ $\begin{array}{llllllll}1000 & 1003.854 & 0.010741 & 0.15347 & 0.081156 & 0.124061 & 4.390127 & 4.404645\end{array} 0.018499$ $\begin{array}{lllllllll}1000 & 1087.447 & 0.009096 & 0.111276 & 0.070753 & 0.115521 & 3.819932 & 4.125442 & 0.016509 \\ 1000 & 1165.679 & 0.011897 & 0.085796 & 0.054679 & 0.060075 & 3.898947 & 3.799543 & 0.009413\end{array}$ $\begin{array}{llllllllll}1000 & 1234.877 & 0.00553 & 0.107366 & 0.057808 & 0.087369 & 4.042756 & 4.246076 & 0.01063\end{array}$ $\begin{array}{lllllllll}1000 & 1099.013 & 0.012884 & 0.109704 & 0.087559 & 0.098853 & 4.593207 & 4.198 & 0.00959\end{array}$ $\begin{array}{lllllllll}1000 & 986.3523 & 0.003527 & 0.095674 & 0.073038 & 0.096257 & 4.056269 & 4.001018 & 0.012981\end{array}$ $\begin{array}{lllllllll}1000 & 1121.947 & 0.009057 & 0.119062 & 0.071335 & 0.09803 & 4.149483 & 4.217536 & 0.015653\end{array}$ $\begin{array}{lllllllll}1000 & 989.7175 & 0.006253 & 0.084097 & 0.09053 & 0.069706 & 4.326785 & 3.617283 & 0.012811\end{array}$ $\begin{array}{llllllll}1000 & 920.3768 & 0.009283 & 0.111957 & 0.089144 & 0.108179 & 4.038343 & 3.730325\end{array} 0.010578$ $\begin{array}{lllllllll}1000 & 996.9348 & 0.013789 & 0.133275 & 0.154769 & 0.114669 & 3.908295 & 3.608121 & 0.010197 \\ 1000 & 922.5062 & 0.012161 & 0.107979 & 0.064695 & 0.11 & 3.663677 & 4.123842 & 0.0091\end{array}$ $\begin{array}{llllllllll}1000 & 967.3259 & 0.009346 & 0.133964 & 0.088783 & 0.151347 & 3.340391 & 3.67791 & 0.008218\end{array}$ $\begin{array}{lllllllll}1000 & 821.8274 & 0.01201 & 0.112924 & 0.161463 & 0.117992 & 4.418531 & 4.126708 & 0.014034\end{array}$ $\begin{array}{llllllllll}1000 & 938.0528 & 0.012979 & 0.143831 & 0.090488 & 0.101102 & 4.093314 & 4.04827 & 0.008095\end{array}$ $\begin{array}{llllllllll}1000 & 963.8098 & 0.010389 & 0.141231 & 0.135047 & 0.112962 & 4.806208 & 4.55614 & 0.010506\end{array}$ $\begin{array}{lllllllll}1000 & 1010.771 & 0.009601 & 0.113105 & 0.093508 & 0.115327 & 3.634634 & 4.224371 & 0.00671 \\ 1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.788621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.678621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 945.002 & 0.008883 & 0.128579 & 0.062934 & 0.105994 & 4.119318 & 3.811908 & 0.008776 \\ 1000 & 1000.38 & 0.01160 & 0.103859 & 0.092075 & 0.082194 & 4.527413 & 3.886186 & 0.012626\end{array}$ $\begin{array}{lllllllllll}1000 & 941.513 & 0.011288 & 0.091369 & 0.073175 & 0.091502 & 4.268201 & 3.966664 & 0.006225\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 832.7509 & 0.011358 & 0.123557 & 0.117717 & 0.08752 & 3.926826 & 3.870103 & 0.005305\end{array}$ $\begin{array}{llllllllll}000 & 1091.785 & 0.009596 & 0.112907 & 0.131083 & 0.089413 & 3.980519 & 4.504179 & 0.008531\end{array}$ $\begin{array}{lllllllll}1000 & 798.7042 & 0.006648 & 0.072744 & 0.067197 & 0.069213 & 3.572284 & 3.213242 & 0.006301\end{array}$ $\begin{array}{lllllllll}1000 & 856.797 & 0.012389 & 0.073575 & 0.060721 & 0.080388 & 3.55837 & 4.237214 & 0.00613\end{array}$ $\begin{array}{llllllllll}1000 & 933.9843 & 0.008909 & 0.090247 & 0.059186 & 0.091978 & 3.827035 & 4.416919 & 0.007066\end{array}$ $\begin{array}{lllllllll}1000 & 1005.044 & 0.010942 & 0.080755 & 0.11284 & 0.100049 & 4.257321 & 3.888248 & 0.007668 \\ 1000 & 1109.264 & 0.013906 & 0.084676 & 0.090272 & 0.127708 & 4.082888 & 4.159102 & 0.007039\end{array}$

 $\begin{array}{lllllllll}1000 & 1050.892 & 0.012639 & 0.095231 & 0.108829 & 0.069224 & 3.48895 & 3.433321 & 0.00651 \\ 10.012256 & 0.083559 & 0.094399 & 0.08595 & 3.588081 & 3.84616 & 0.006362\end{array}$ $\begin{array}{llllllllll}1000 & 1073.743 & 0.016611 & 0.094162 & 0.050613 & 0.077413 & 3.750747 & 4.084998 & 0.005941\end{array}$ $\begin{array}{lllllllll}1000 & 1040.508 & 0.013303 & 0.085952 & 0.055027 & 0.0993271 & 4.431008 & 3.641332 & 0.006345\end{array}$ $\begin{array}{llllllllll}1000 & 948.8302 & 0.017151 & 0.120521 & 0.107967 & 0.105458 & 4.450501 & 4.169837 & 0.011552\end{array}$

 $\begin{array}{lllllllll}1000 & 1150.978 & 0.01103 & 0.112328 & 0.140965 & 0.104858 & 4.527291 & 4.246741 & 0.008904\end{array}$ $\begin{array}{lllllllll}1000 & 1078.461 & 0.010312 & 0.113554 & 0.110995 & 0.094182 & 4.582837 & 5.216003 & 0.007964 \\ 1000 & 979.3589 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563\end{array}$ $\begin{array}{lllllllll}1000 & 979.3559 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563 \\ 1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979\end{array}$ $\begin{array}{lllllllll}1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979 \\ 1000 & 973.635 & 0.007862 & 0.095273 & 0.097306 & 0.056644 & 4.777448 & 4.033135 & 0.004704\end{array}$ $\begin{array}{lllllllll}1000 & 898.0397 & 0.0012928 & 0.084047 & 0.0973761 & 0.056644 & 4.777448 & 4.033135 & 0.004704 \\ 10.0964684 & 5.850733 & 4.297753 & 0.009108\end{array}$ $\begin{array}{lllllllll}1000 & 822.2072 & 0.009701 & 0.10902 & 0.077634 & 0.094442 & 4.545877 & 4.32527 & 0.005085\end{array}$ $\begin{array}{lllllllll}1000 & 944.5036 & 0.014902 & 0.128787 & 0.07847 & 0.101693 & 5.689784 & 5.067543 & 0.011265 \\ 1000 & 873.0413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ $\begin{array}{lllllllll}1000 & 873.9413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ | 1000 | 1160.539 | 0.016712 | 0.1056 | 0.124497 | 0.101001 | 5.15125 | 5.059805 | 0.006411 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1035.832 & 0.019257 & 0.104078 & 0.073098 & 0.089762 & 4.602694 & 4.446512 & 0.00825 \\ 1000 & 996.6967 & 0.020022 & 0.094208 & 0.072893 & 0.091969 & 4.68461 & 4.47308 & 0.009578\end{array}$ $\begin{array}{lllllllll}1000 & 1161.63 & 0.015064 & 0.119751 & 0.0660777 & 0.103982 & 4.663641 & 4.280423 & 0.008475\end{array}$ $\begin{array}{llllllllll}1000 & 1075.271 & 0.019046 & 0.136875 & 0.144539 & 0.112855 & 4.445872 & 4.013315 & 0.008608\end{array}$ $\begin{array}{llllllllll}1000 & 1047.164 & 0.028758 & 0.142505 & 0.167969 & 0.15747 & 5.70897 & 5.048413 & 0.011243\end{array}$

| 559.8638 | 101.01 | 133.02 | 350.39 | 371.44 | 9180.22 | 161664.1 | 255.07 | 248.07 | 31 | 207.05 | 7637.67 | 62026.25 | 50 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 560.1976 | 99.01 | 157.03 | 295.28 | 433.59 | 8903.88 | 193284.4 | 240.06 | 217.05 | 29 | 186.04 | 7869.58 | 69510.75 | 30 |
| 560.532 | 133.02 | 156.03 | 243.19 | 358.41 | 11063.63 | 183742.7 | 344.13 | 224.05 | 33 | 182.04 | 7534.98 | 70969.93 | 54 |
| 560.8658 | 104.01 | 175.03 | 359.41 | 362.42 | 9667.34 | 197549.6 | 338.12 | 273.08 | 43 | 220.05 | 7518.71 | 65877.77 | 32 |
| 561.1996 | 112.01 | 137.02 | 279.25 | 485.75 | 8136.66 | 152128.3 | 330.12 | 170.03 | 34 | 144.02 | 7443.49 | 64626.49 | 39 |
| 561.5339 | 117.01 | 149.02 | 425.57 | 388.48 | 8930.33 | 144822.1 | 300.1 | 158.03 | 26 | 157.03 | 7213.83 | 60076.08 | 24 |
| 561.8678 | 101.01 | 123.02 | 235.17 | 373.44 | 7790.66 | 135401.4 | 280.08 | 117.01 | 23 | 118.02 | 7053.34 | 56419.16 | 20 |
| 562.2016 | 101.01 | 176.03 | 316.32 | 341.37 | 7428.64 | 116872 | 310.1 | 91.01 | 3 | 114.01 | 6459.6 | 56851.48 | 5 |
| 562.5359 | 104.01 | 99.01 | 219.15 | 348.38 | 7434.93 | 121152.1 | 278.08 | 97.01 | 16 | 109.01 | 6027.73 | 52843.54 | 19 |
| 562.8698 | 79.01 | 149.02 | 226.16 | 330.34 | 7402.44 | 109689.1 | 259.07 | 73.01 | 11 | 84.01 | 5828.15 | 52872.66 | 18 |
| 563.2036 | 104.01 | 137.02 | 254.2 | 292.27 | 7618.47 | 119417.6 | 249.07 | 76.01 | 11 | 87.01 | 6180.77 | 48701.12 | 18 |

## Standard NIST SRN 610 used for shell 2388 <br> 2:|2016 herath_dilmil 2016-09-05\ruu Created: Mon Sep 05 17:58:12 2016

## All values are reported in ppm

GLITTER!: Trace Element Concentrations MDL filtered. Element std610_7 std610_8 stdd10_9 std610 $\begin{array}{llllll}\text { Li7 } & 473.25 & 462.46 & 465.96 & 470.24\end{array}$ $\begin{array}{lrrrr}\text { B11 } & 351.45 & 348.46 & 349.08 & 350.9 \\ \text { Mg25 } & 430.34 & 433.81 & 432.15 & 43.7\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 430.34 & 433.81 & 432.13 & 431.73\end{array}$ $\begin{array}{lrrrr}\text { Mg26 } & 4424 & 440.21 & 430.13 & 431.73 \\ \text { Ca43 } & 81473.75 & 8143.75 & 81473.77 & 814737\end{array}$ $\begin{array}{llllll}\text { Ca43 } & 81473.75 & 8140.21 & 430.29 & 432.72 \\ & 81473.77 & 81473.77\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 81210.13 & 81780.01 & 81439.73 & 81474.34\end{array}$ $\begin{array}{llrrr}\text { Mn55 } & 443.02 & 445.26 & 442.08 & 445.52\end{array}$ $\begin{array}{lllll}\text { Zn66 } & 436.91 & 492.07 & 460.31 & 457.04 \\ \text { Zn67 } & 441.38 & 483.82 & 459.25 & 45.57\end{array}$ $\begin{array}{lllll}\text { Zn67 } & 441.38 & 483.82 & 459.25 & 458.57 \\ \text { Zn68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ & & 53.5 & 51.96 & 54.57\end{array}$ $\begin{array}{lllll}\text { 2r68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ \text { Sr86 } & 497.56 & 536.02 & 514.46 & 514.57 \\ \text { Sr88 } & 515.41 & 515.64 & 514.93 & 5152\end{array}$ $\begin{array}{llllll}\text { Sr88 } & 515.41 & 565.64 & 514.93 & 515.96 \\ \text { Ba137 } & 448.46 & 456.23 & & \end{array}$

GUITER!: Mean Raw CPS background NOT subtrated Element Mean Raw CPS background NOT subtracted.
std610 7
std610
8 std610 9 std610 Element std610_7 std610_8 std610_9 std610_10 $\begin{array}{lllll}\text { Li7 } & 840630 & 774959 & 634379 & 666687 \\ \text { B11 } & 176916 & 163919 & 122115 & 126585\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 87675 & 81348 & 63959 & 6631\end{array}$ $\begin{array}{llllll}\text { Mg26 } & 105876 & 95037 & 74052 & 77259\end{array}$ $\begin{array}{llllll}\text { Са43 } & 197179 & 186631 & 157114 & 164209\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 3301874 & 3109408 & 2608571 & 2726212\end{array}$ $\begin{array}{llllll}\text { Mn55 } & 834433 & 771902 & 598662 & 625398\end{array}$

| Zn66 | 115890 | 124138 | 102559 | 106915 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Zn67 | 19811 | 20548 | 16357 | 17053 |


|  | 19811 | 20548 | 16357 | 17053 |
| :--- | :--- | :--- | :--- | :--- |
| 2n68 | 90695 | 94465 | 75776 | 78915 |


| Sr86 | 108902 | 94465 | 75776 | 78915 |
| ---: | ---: | ---: | ---: | ---: | ---: |
|  | 10341 | 85315 | 89330 |  |

 $\begin{array}{llllll}\text { Ba137 } & 108577 & 104945 & 90541 & 95266\end{array}$

Average CPS/ppm X/Ca43
467.97751558 .117720 .123 $349.9725421 .1295 \quad 194.6357$ 432.0025 173.2039 80.0505 431.805 203.9254 94.24927 $81473.76 \quad 2.163681$
$81476.05 \quad 36.04146 \quad 16.65747$ $\begin{array}{r}443.97 \quad 1593.799736 .6143 \\ 461.5825 \\ 243.257 \\ \hline\end{array}$ $460.755 \quad 40.02615 \quad 18.499$ $461.6425 \quad 184.0445 \quad 85.060$ 515.6525186 .602486 .24302 $\begin{array}{lll}515.485 & 1556.279 & 719.2735\end{array}$ 452.035 220.8507 102.0717

Average
729163.8
147383.8
74824.5

88056 176283.3 2936516 707598.8
112375.5 84962.75 96222 99832.2
$\begin{array}{llllll}0.045024 & 0.242562 & 0.815599 & 0.658407\end{array}$ $\begin{array}{llllll}0.044512 & 0.304164 & 0.707952 & 0.801319\end{array}$ $\begin{array}{llll}0.044512 & 0.304164 & 0.707952 & 0.801319 \\ 0.061963 & 0.242966 & 0.468588 & 0.525642\end{array}$ $\begin{array}{llllll}0.045394 & 0.317474 & 0.794539 & 0.608854\end{array}$ $\begin{array}{lllllll}0.062297 & 0.283536 & 0.732397 & 0.989375\end{array}$ $\begin{array}{lllll}0.061521 & 0.285277 & 1.019278 & 0.710314\end{array}$ $\begin{array}{lllll}0.053057 & 0.260096 & 0.643378 & 0.780374\end{array}$
 $\begin{array}{lllll}0.059028 & 0.207786 & 0.627878 & 0.758577\end{array}$ $\begin{array}{llll}0.030565 & 0.344174 & 0.650979 & 0.719146\end{array}$

$\begin{array}{lllllllll}1000 & 1032.632 & 0.013431 & 0.155637 & 0.113652 & 0.141987 & 4.764557 & 4.591321 & 0.016482\end{array}$ $\begin{array}{llllllll}1000 & 1273.089 & 0.012058 & 0.140289 & 0.109384 & 0.128847 & 5.063505 & 5.305071\end{array} 0.010108$ $\begin{array}{lllllllll}1000 & 973.9181 & 0.019691 & 0.116563 & 0.100574 & 0.101002 & 3.89951 & 4.358914 & 0.014784\end{array}$ $\begin{array}{llllllllll}1000 & 1096.326 & 0.024948 & 0.120047 & 0.141027 & 0.102593 & 5.237366 & 5.397477 & 0.014452\end{array}$ $\begin{array}{llllllll}1000 & 950.8609 & 0.019161 & 0.101593 & 0.097402 & 0.104307 & 4.622672 & 4.571424 \\ 0.008019\end{array}$ $\begin{array}{lllllllll}1000 & 1019.028 & 0.019236 & 0.08596 & 0.09829 & 0.082331 & 5.179594 & 4.921326 & 0.0077618 \\ 1000 & 922.319 & 0.024655 & 0.069876 & 0.009644 & 0.0723 & 4.96557 & 5 & 200764\end{array}$ | 1000 | 1029.019 | 0.019236 | 0.08596 | 0.0982 | 0.082331 | 5.179594 | 4.921326 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 0.007618 |  |  |  |  |  |  | $\begin{array}{llllllll}1000 & 955.3226 & 0.019871 & 0.074492 & 0.070319 & 0.077259 & 4.627473 & 4.830022\end{array} 0.000757$ $\begin{array}{llllllllll}1000 & 918.9416 & 0.015349 & 0.05673 & 0.045847 & 0.053921 & 4.632462 & 4.344124 & 0.006986\end{array}$

Acquired :5/01/2017 1:02:08 PM using Batch RUN3.b
 70.4927

### 70.8265 71.1608

71.1608
71.4947
71.4947
71.829
71.829
72.1628
72.4966
$72.4966 \quad 74$
72.49266
72.831
73.1648

| 73.16 |
| :--- |
| 73.48 |

7

| 74.16 |
| :--- |
| 74.5 |


| 74.50 |
| :--- |
| 74.83 |


| 74.81 |
| :--- |
| 75.1 |


| 75.168 |
| :--- |
| 75.5026 |
| 75.83 |


| 75.836 |
| :--- |
| 76.17 |

76.81798
76.5046
76.5046
76.8399
76.8399
77.1738

| 77.1738 |
| :--- |
| 77.50 |


| 77.507 |
| :--- |
| 77.841 |
| 78.1757 |


| 77.841 |
| :--- |
| 78.175 |

78.50
79.1
79.51
79.84
79.8459
80.1797
80.1797
80.5135
80.5135
80.8479
81.1817
80.8479
81.1817
815155
81.5155
81.8499
821837
$82 . .1837$
82.5175
82.5175
82.8518
83.1857
83.1857
83.52
8.538
83.52
83.8538
84.1876
83.8538
84.1876
84.522
84.1876
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84.8568
84.8568
85.1907
85.1907
85.525
85.525
85.5888
85.8588
86.1926
86.527
86.527
86.8608
$\begin{array}{r}86.8608 \\ 87.1946 \\ \hline 87.529\end{array}$
86.1946
87.529
87.8628
87.8628
88.1966
88.1966
88.5309
88.5309
88.8648
$\begin{array}{rrrrrrrrrr}88.1986 & 111.01 & 166.03 & 63.01 & 124.05 & 6438.07 & 6233 & 123838.8 & 196.04 & 94.01 \\ & 177.03 & 90.03 & 91.03 & 6726.88 & 130548.3 & 191.04 & 119.02\end{array}$

$206.13 \quad 6937 .{ }^{2} 179$ $\begin{array}{llll} & 6937.81 & 112650.8\end{array}$ | 179.1 | 6197.63 | 1119965.6 |
| :--- | :--- | :--- |
| 1519 | 6519.34 | 98035.8 |

 $\stackrel{\circ}{\circ}$ $\stackrel{\infty}{\infty}{ }_{\infty}^{\infty}$
$5 r 86$

01

336 $\begin{array}{llll}85.01 & 3361.39 & 33209.72\end{array}$ $\begin{array}{lll}87.01 & 3465.17 & 33931.2 \\ 90.01 & 40.77 & 3547.24\end{array}$ \begin{tabular}{llll}
\hline .01 \& 4026.77 \& 35547.29

 $\begin{array}{lll}76.01 & 3489.35 & 31910.24 \\ 70.01 & 4359.82 & 2901627\end{array}$ $\begin{array}{rrr}70.01 & 4359.82 & 29016.27 \\ 67 & 3356.35 & 30960.71\end{array}$ $\begin{array}{llll}67 & 3356.35 & 30960.71 \\ .01 & 4106.48 & 35093.96\end{array}$ $\begin{array}{lll}69.01 & 4106.48 & 35093.96 \\ 80.01 & 3662.71 & 36699.88\end{array}$ 

80.01 <br>
69.01 <br>
\hline 7.01

 

3662.01 \& 34489.1 <br>
3999.53 \& 29366.7 <br>
\hline
\end{tabular}

 $\begin{array}{llll}73.01 & 4410.31 & 31338.37 \\ 74.01 & 3885.55 & 31480.73\end{array}$ 66
74.01 38773.6132687 .78
31738 $\begin{array}{lll}3773.71 & 32607.78 \\ 30633.37\end{array}$ $4039.88 \quad 26954.74$ $\begin{array}{ll}4039.88 & 26954.74 \\ 361.46 & 31070.87\end{array}$ 76.01 $\begin{array}{ll}9 & \\ 5 & 0 \\ 9 & 0 \\ 4 & 0\end{array}$

Convertion mmol/mol (Georem)
${ }^{L i 7} \quad{ }^{\text {B11 }} \quad \mathrm{Mg} 25 \quad \mathrm{Mg} 26 \quad \mathrm{Ca43}$ $\begin{array}{lllll}0.014212 & 0.477124 & 0.400065 & 0.453168 \\ 0.036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{llll}036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{lllll}0.024304 & 0.6252999 & 0.4721542 & 0.5330387\end{array}$ $\begin{array}{llll}0.024304 & 0.625299 & 0.471542 & 0.530357 \\ 0.071327 & 0.86506 & 0.626596 & 0.689338\end{array}$ $\begin{array}{lllll}0.032441 & 0.65367 & 0.509878 & 0.588591\end{array}$ $\begin{array}{lllll}0.045964 & 0.836121 & 0.683849 & 0.496286\end{array}$ $\begin{array}{llllllll}0.023956 & 0.722269 & 0.746994 & 0.418764\end{array}$ $\begin{array}{lllllllll}0.0314 & 0.809139 & 0.492741 & 0.597374\end{array}$ $\begin{array}{llll}0.035631 & 0.68044 & 0.394908 & 0.419953\end{array}$ $\begin{array}{llll}0.042699 & 0.645016 & 0.382305 & 0.423525\end{array}$ $\begin{array}{llll}0.038644 & 0.732868 & 0.303948 & 0.363932 \\ 0.050167 & 0.6052 & 0.262075 & 0.339768\end{array}$ $04678 \quad 0.696277 \quad 0.474610 .332669$ $\begin{array}{lllll}0.041127 & 0.786182 & 0.496357 & 0.502365\end{array}$ 0.030360 .6868030 .7443420 .386995 0.0272210 .6776730 .5259210 .286233 0.0418050 .5988560 .4249670 .304504 $\begin{array}{llll}0.044409 & 0.529427 & 0.230359 & 0.29566\end{array}$ $\begin{array}{rrrr}0.047104 & 0.661144 & 0.347343 & 0.364 \\ 0 & 045462 & 0.616712 & 0.362359\end{array}$ $\begin{array}{llllll}0.049756 & 0.446333 & 0.435203 & 0.327911\end{array}$ $\begin{array}{llll}0.062749 & 0.375359 & 0.252237 & 0.239868\end{array}$ $\begin{array}{llllll}0.088728 & 0.535161 & 0.238787 & 0.279027\end{array}$ $\begin{array}{lllllll}0.127013 & 0.588532 & 0.429127 & 0.327099\end{array}$ $\begin{array}{lllllllll}0.085732 & 0.597896 & 0.355955 & 0.359016\end{array}$ $0.077984 \quad 0.515370 .2200480 .274219$ $\begin{array}{llll}0.066519 & 0.581484 & 0.195853 & 0.231953\end{array}$ $\begin{array}{lllll}0.046257 & 0.481883 & 0.259778 & 0.259115\end{array}$ $\begin{array}{lllllll}0.101143 & 0.473082 & 0.261028 & 0.367494\end{array}$ $\begin{array}{llll}0.132016 & 0.513791 & 0.245818 & 0.3089\end{array}$ $\begin{array}{llllll}0.097711 & 0.457082 & 0.258896 & 0.194549\end{array}$ $\begin{array}{llllll}0.094896 & 0.464772 & 0.247803 & 0.220315\end{array}$ $0.1374370 .442277 \quad 0.2136520 .210203$ $\begin{array}{lllll}0.143102 & 0.52655 & 0.267642 & 0.226465\end{array}$ $\begin{array}{lllll}0.130366 & 0.450118 & 0.194497 & 0.198305 \\ 0.05261 & 0.432313 & 0.262108 & 0.219594\end{array}$ 0.0878880 .4460670 .3442540 .221977 $\begin{array}{llllll}0.082093 & 0.458292 & 0.270474 & 0.168049\end{array}$ $\begin{array}{llllll}0.087772 & 0.434892 & 0.253075 & 0.214525\end{array}$ $\begin{array}{lllllll}0.066281 & 0.287609 & 0.174145 & 0.185087\end{array}$ $\begin{array}{lllll}0.052363 & 0.333942 & 0.187762 & 0.208832\end{array}$ $\begin{array}{lllll}0.062725 & 0.378172 & 0.185271 & 0.177175\end{array}$ $\begin{array}{llll}0.088444 & 0.419751 & 0.262195 & 0.260536 \\ & 0.05335 & 0.358938 & 0.2029\end{array}$ $\begin{array}{lllll}0.027028 & 0.342342 & 0.250189 & 0.271304\end{array}$ $\begin{array}{llllll}0.034908 & 0.419729 & 0.245391 & 0.171974\end{array}$ $\begin{array}{llllllll}0.02841 & 0.355781 & 0.267222 & 0.337443\end{array}$ $\begin{array}{llllllllllll}0.054306 & 0.507699 & 0.277764 & 0.363138\end{array}$ $\begin{array}{lllllllllllll}0.051474 & 0.468197 & 0.318724 & 0.271393\end{array}$ $\begin{array}{llll}0.064388 & 0.456206 & 0.24802 & 0.181336\end{array}$ $\begin{array}{llll}0.036547 & 0.420079 & 0.222493 & 0.195849\end{array}$ $\begin{array}{lllll}0.061872 & 0.39398 & 0.2279807 & 0.174905\end{array}$ $0773440379804 \quad 0.2384060185501$ $\begin{array}{llllll}0.098567 & 0.423807 & 0.254163 & 0.150082\end{array}$ $0.0799650 .463494 \quad 0.210790 .273347$ $\begin{array}{llllllll}0.125941 & 0.462248 & 0.281605 & 0.167139\end{array}$

$\begin{array}{llllllll}\text { Ca44 Mn55 Zn66 } & \text { Zn67 } & \text { Zn68 } & \text { Sr86 } & \text { Sr88 } & \text { Ba137 }\end{array}$ $\begin{array}{llllllllll}1000 & 951.8809 & 0.000472 & 0.066472 & 0.035339 & 0.057069 & 2.730254 & 3.252972 & 0.003694 \\ 0.000 & 1125.394 & 0.001214 & 0.062262 & 0.050761 & 0.066287 & 3.153538 & 3.720711 & 0.002157\end{array}$ | 1000 | 8272.4309 | 0.011745 | 0.06626297 | 0.050781 | 0.066287 | 3.153538 | 0.066437 | 3.49748 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 894.2208 & 0.008809 & 0.045705 & 0.045435 & 0.053409 & 3.195475 & 3.520361 & 0.001673\end{array}$ $\begin{array}{llllllllll}1000 & 1196.172 & 0.009453 & 0.056956 & 0.021967 & 0.058739 & 5.108527 & 4.072927 & 0.004028\end{array}$

 $\begin{array}{lllllllllll}1000 & 1015.424 & 0.00658 & 0.057904 & 0.000394 & 0.048907 & 4.108248 & 3.211709 & 0.002902\end{array}$ $\begin{array}{llllllllll}1000 & 953.4733 & 0.000197 & 0.044156 & 0.047832 & 0.06131 & 3.925668 & 4.005544 & 0.003333\end{array}$ $\begin{array}{lllllllll}1000 & 1107.276 & 0.010057 & 0.059699 & 0.051875 & 0.076142 & 4.196812 & 3.698962 & 0.004751 \\ 1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039452 & 3.185524 & 3.263367 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039052 & 3.185524 & 3.2633667 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 838.1201 & 0.003764 & 0.035212 & 0.032305 & 0.047074 & 3.84113 & 3.268843 & 0.001111 \\ 1000 & 947.8219 & 0.007628 & 0.03652 & 0.033167 & 0.042495 & 2.973707 & 2.894111 & 0.003053\end{array}$ $\begin{array}{llllllllllll}1000 & 939.1253 & 0.004274 & 0.039855 & 0.021759 & 0.039266 & 3.290681 & 3.426599 & 0.002062\end{array}$ $\begin{array}{llllllllll}1000 & 990.8375 & 0.003539 & 0.050894 & 0.038741 & 0.049636 & 3.273834 & 3.225031 & 0.004534\end{array}$ $\begin{array}{lllllllllll}1000 & 1039.072 & 0.007752 & 0.068145 & 0.063606 & 0.03552 & 4.165834 & 3.335605 & 0.004109\end{array}$ $\begin{array}{llllllllll}1000 & 973.6845 & 0.006464 & 0.039137 & 0.062032 & 0.039928 & 3.038355 & 3.128238 & 0.002435\end{array}$ $\begin{array}{lllllllll}1000 & 988.1532 & 0.004017 & 0.03546 & 0.036964 & 0.049601 & 3.10776 & 3.036294 & 0.005251\end{array}$ $\begin{array}{llllllllll}1000 & 791.2393 & 0.005467 & 0.027768 & 0.044877 & 0.040568 & 3.253481 & 3.256181 & 0.004531\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1288.02 & 0.010661 & 0.034051 & 0.065232 & 0.020502 & 3.942886 & 3.211692 & 0.009562 \\ 1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539\end{array}$ $\begin{array}{lllllllll}1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539 \\ 1000 & 874.6547 & 0.006293 & 0.038395 & 0.065143 & 0.032661 & 3.779576 & 3.800531 & 0.006849\end{array}$ $\begin{array}{llllllllllll}1000 & 813.2915 & 0.002637 & 0.048345 & 0.063684 & 0.044975 & 2.376965 & 2.619135 & 0.002756\end{array}$ $\begin{array}{lllllllllll}1000 & 863.7948 & 0.00845 & 0.078664 & 0.078354 & 0.071598 & 3.281222 & 3.162489 & 0.003841\end{array}$ $\begin{array}{llllllllllll}1000 & 1092.823 & -0.00016 & 0.090327 & 0.103329 & 0.105717 & 3.728971 & 3.581617 & 0.002709\end{array}$ $\begin{array}{lllllllll}1000 & 1094.188 & 0.003495 & 0.073767 & 0.086995 & 0.084989 & 3.801596 & 4.045545 & 0.009261\end{array}$ $\begin{array}{llllllllll}1000 & 969.9872 & 0.005439 & 0.080255 & 0.054503 & 0.061475 & 2.846943 & 3.156836 & 0.016691\end{array}$ $\begin{array}{lllllllll}1000 & 1004.166 & 0.002931 & 0.080088 & 0.101573 & 0.085763 & 3.453176 & 3.540166 & 0.040678\end{array}$ $\begin{array}{lllllllll}1000 & 898.636 & 0.002932 & 0.088486 & 0.070601 & 0.094927 & 3.047474 & 3.39936 & 0.04539 \\ 1000 & 937.6714 & 0.00867 & 0.084467 & 0.094624 & 0.085575 & 3.413075 & 3.554065 & 0.046439\end{array}$ $\begin{array}{llllllllll}1000 & 1009.745 & 0.009716 & 0.087166 & 0.09835 & 0.076867 & 3.829196 & 3.570973 & 0.063827\end{array}$ $\begin{array}{llllllllll}1000 & 1451.672 & 0.002636 & 0.089023 & 0.059244 & 0.076001 & 4.012703 & 3.429175 & 0.055041\end{array}$ $\begin{array}{llllllllllll}1000 & 947.4987 & 0.007241 & 0.083048 & 0.066248 & 0.079119 & 3.364185 & 3.560657 & 0.050137\end{array}$ $\begin{array}{lllllllll}1000 & 915.0917 & 0.012553 & 0.069763 & 0.031058 & 0.073791 & 3.437191 & 3.490126 & 0.058979\end{array}$ $\begin{array}{llllllllll}1000 & 1145.088 & 0.004697 & 0.070796 & 0.071398 & 0.082256 & 3.132771 & 3.345793 & 0.040727\end{array}$ $\begin{array}{lllllllll}1000 & 972.705 & 0.012894 & 0.074341 & 0.11221 & 0.076753 & 3.451217 & 3.240828 & 0.037346 \\ 1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352 \\ 1000 & 1042.33 & 0.004907 & 0.073958 & 0.103134 & 0.062686 & 3.803777 & 3.897937 & 0.022875\end{array}$ $\begin{array}{lllllllll}1000 & 1062.367 & 0.011058 & 0.066356 & 0.04477 & 0.099023 & 4.045204 & 3.70536 & 0.016849\end{array}$ $\begin{array}{lllllllllll}1000 & 923.2817 & 0.004866 & 0.074117 & 0.07465 & 0.059718 & 3.08433 & 3.020962 & 0.014164\end{array}$ $\begin{array}{llllllllllllll}1000 & 860.2757 & 0.007473 & 0.060675 & 0.074516 & 0.052496 & 3.488818 & 3.520501 & 0.012804\end{array}$ $\begin{array}{llllllllll}1000 & 749.476 & 0.005608 & 0.060766 & 0.051304 & 0.034845 & 2.634693 & 2.910926 & 0.007272\end{array}$ $\begin{array}{lllllllll}1000 & 891.3057 & 0.00787 & 0.072405 & 0.059901 & 0.0415 & 2.786632 & 3.268306 & 0.008651\end{array}$ | 1000 | 941.8271 | 0.007392 | 0.093496 | 0.046279 | 0.06055 | 4.03341 | 3.974286 | 0.006266 |
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| 1000 | 958.3042 | 0.004492 | 0.074719 | 0.038281 | 0.06304 | 3.513881 |  |  | $\begin{array}{llllllllll}1000 & 958.3042 & 0.004492 & 0.074719 & 0.038281 & 0.065304 & 3.519881 & 3.564174 & 0.006874\end{array}$ $\begin{array}{lllllllll}1000 & 1071.578 & 0.005013 & 0.077214 & 0.041172 & 0.091066 & 3.785611 & 3.545129 & 0.004221\end{array}$ $\begin{array}{llllllllll}1000 & 814.1257 & 0.000581 & 0.064182 & 0.074776 & 0.056095 & 3.03215 & 3.393862 & 0.005082\end{array}$ $\begin{array}{lllllllll}1000 & 982.3351 & 0.004408 & 0.075003 & 0.097783 & 0.06291 & 3.667249 & 3.784144 & 0.005147\end{array}$ $\begin{array}{lllllllll}1000 & 1219.838 & 0.0088 & 0.076281 & 0.069258 & 0.083944 & 3.667925 & 3.80834 & 0.008296\end{array}$ $\begin{array}{llllllllll}1000 & 1052.024 & 0.00993 & 0.098466 & 0.072977 & 0.123589 & 3.96565 & 3.669712 & 0.005606\end{array}$ $\begin{array}{lllllllll}1000 & 887.4477 & 0.003827 & 0.094128 & 0.093797 & 0.082602 & 3.36748 & 3.572334 & 0.003376 \\ 1000 & 885.8544 & 0.004056 & 0.077334 & 0.09468 & 0.000252 & 3.358893 & 3.064162 & 0.005986\end{array}$ $\begin{array}{lllllllll}1000 & 885.8544 & 0.004056 & 0.073734 & 0.094686 & 0.090252 & 3.358983 & 3.064162 & 0.005986 \\ 1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241\end{array}$ $\begin{array}{lllllllll}1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241 \\ 1000 & 1005.464 & 0.004205 & 0.074607 & 0.094794 & 0.081233 & 3.114214 & 3.440002 & 0.003489\end{array}$ $\begin{array}{lllllllllll}1000 & 1342.256 & 0.007262 & 0.07879 & 0.080743 & 0.072064 & 3.146068 & 3.008 & 0.002117\end{array}$ $\begin{array}{llllllllll}1000 & 1089.571 & 0.008758 & 0.087828 & 0.054255 & 0.093846 & 3.603448 & 3.582285 & 0.002077\end{array}$ $\begin{array}{lllllllllll}1000 & 1164.891 & 0.009728 & 0.086072 & 0.061609 & 0.113651 & 4.158845 & 3.825655 & 0.002145\end{array}$ $\begin{array}{llllllllll}1000 & 1137.878 & 0.008224 & 0.101288 & 0.067403 & 0.086499 & 3.312141 & 3.70104 & 0.001988\end{array}$

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$\begin{array}{llll}0.118851 & 0.37433 & 0.259692 & 0.214372 \\ 0.170714 & 0.358238 & 0.216677 & 0.219052\end{array}$ $\begin{array}{llll}0.170714 & 0.358238 & 0.216677 & 0.219052 \\ 0.136293 & 0.451017 & 0.294004 & 0.217436\end{array}$ $\begin{array}{lllllll}0.144901 & 0.497665 & 0.222551 & 0.152535\end{array}$ $\begin{array}{lllll}0.179913 & 0.46306 & 0.223666 & 0.250856\end{array}$ $\begin{array}{llllll}0.178273 & 0.400702 & 0.275914 & 0.178043\end{array}$ $\begin{array}{llll}0.160625 & 0.408582 & 0.282087 & 0.188593 \\ 0\end{array}$ $\begin{array}{llll}0.173689 & 0.353839 & 0.173898 & 0.278287\end{array}$ $\begin{array}{llll}0.190814 & 0.390799 & 0.182025 & 0.241513 \\ 0 & 201015 & 0.365881 & 0.25338 \\ 0\end{array}$ $\begin{array}{lllll}0.231876 & 0.464771 & 0.2253877 & 0.182255 \\ 0.204869\end{array}$ $\begin{array}{lllll}0.207273 & 0.490209 & 0.305904 & 0.261771\end{array}$ $\begin{array}{llllll}0.173558 & 0.469886 & 0.215718 & 0.250293\end{array}$ $\begin{array}{lllll}0.164121 & 0.49889 & 0.20852 & 0.205221\end{array}$ $\begin{array}{lllll}0.234856 & 0.365297 & 0.182624 & 0.168479\end{array}$ $\begin{array}{llll}0.167435 & 0.401373 & 0.110809 & 0.187595\end{array}$ $\begin{array}{llll}0.27688 & 0.582093 & 0.193286 & 0.19965 \\ 0.217958 & 0.471522 & 0.174407 & 0.22693\end{array}$ $\begin{array}{llll}0.217988 & 0.471522 & 0.174407 & 0.22693 \\ 0.222884 & 0.459433 & 0.179438 & 0.208157\end{array}$ $\begin{array}{lllll}0.150165 & 0.57902 & 0.174384 & 0.254814\end{array}$ $\begin{array}{lllll}0.203815 & 0.714681 & 0.242645 & 0.218275\end{array}$ $\begin{array}{lllll}0.180368 & 0.446052 & 0.360615 & 0.294283\end{array}$ $\begin{array}{lllll}0.071237 & 0.538947 & 0.277759 & 0.328447\end{array}$ $\begin{array}{llll}0.130598 & 0.69645 & 0.34135 & 0.360065\end{array}$ $\begin{array}{lllll}0.098843 & 0.65377 & 0.676307 & 0.410491\end{array}$ $\begin{array}{llll}0.104922 & 0.943184 & 0.865769 & 0.776322 \\ 0.040938 & 0.691043 & 0.77151 & 0.629973\end{array}$ $\begin{array}{lllll}0.025689 & 0.781073 & 1.208556 & 0.843902\end{array}$ $\begin{array}{llll}0.049064 & 0.684149 & 1.211672 & 0.975762\end{array}$ $\begin{array}{lllll}0.052452 & 0.722255 & 0.966243 & 0.917476\end{array}$ $\begin{array}{llll}0.035855 & 0.712508 & 1.251157 & 1.334088\end{array}$ $\begin{array}{llll}0.004774 & 0.794482 & 1.42477 & 1.33097\end{array}$ $\begin{array}{rrrr}0.01533 & 0.716821 & 1.380249 & 1.019492 \\ 0.008619 & 0.848255 & 1.477547 & 1130183\end{array}$ $\begin{array}{llll}0.008619 & 0.843255 & 1.477547 & 1.130183 \\ 0.057207 & 0.920017 & 1.315637 & 1.513824\end{array}$ $\begin{array}{lllll}0.018025 & 0.740061 & 1.046815 & 1.082261\end{array}$ $\begin{array}{lllll}-0.00059 & 0.744924 & 1.290903 & 1.178212\end{array}$ $0.0074990 .799498 \quad 0.817070 .853003$ $\begin{array}{lllll}0.037226 & 0.697422 & 0.759803 & 0.652097\end{array}$ $\begin{array}{llll}0.036922 & 0.645372 & 0.536409 & 0.59236\end{array}$ $\begin{array}{llll}0.04308 & 0.665748 & 0.5797 & 0.756277\end{array}$ $\begin{array}{llll}0.037874 & 0.715212 & 0.54262 & 0.482653 \\ 0.064756 & 0.455277 & 0.399401 & 0.373305\end{array}$ $\begin{array}{llll}0.10729 & 0.347264 & 0.311457 & 0.361366\end{array}$ $\begin{array}{llll}0.10676 & 0.617127 & 0.512927 & 0.372814\end{array}$ $\begin{array}{llllll}0.12763 & 0.572752 & 0.426613 & 0.378862\end{array}$ $\begin{array}{lllll}0.080305 & 0.518073 & 0.413452 & 0.392405\end{array}$ $\begin{array}{lllll}0.110695 & 0.553277 & 0.404886 & 0.827832\end{array}$ $\begin{array}{lllll}0.066012 & 0.548737 & 0.368205 & 0.38103\end{array}$ $\begin{array}{llll}0.111926 & 0.418364 & 0.369723 & 0.343052 \\ 0\end{array}$ $\begin{array}{llll}0.087696 & 0.413118 & 0.310493 & 0.40318 \\ 0.157165 & 0.474184 & 0.321666 & 0.314178\end{array}$ $\begin{array}{lllll}0.15984 & 0.592124 & 0.298767 & 0.325941\end{array}$ $\begin{array}{llllll}0.118792 & 0.336448 & 0.419941 & 0.479956\end{array}$ $\begin{array}{lllll}0.05874 & 0.456113 & 0.330277 & 0.297012\end{array}$ $\begin{array}{llll}0.072845 & 0.373145 & 0.319667 & 0.274059\end{array}$ $\begin{array}{llllll}0.044833 & 0.366563 & 0.195473 & 0.231454\end{array}$ $\begin{array}{llll}0.066279 & 0.345255 & 0.352563 & 0.268416\end{array}$ $\begin{array}{llll}0.109344 & 0.548296 & 0.326416 & 0.258488 \\ 0.068731 & 0.481528 & 0.456158 & 0.31852\end{array}$ $\begin{array}{llll}0.046675 & 0.442061 & 0.493742 & 0.352075\end{array}$ $\begin{array}{llllll}0.029568 & 0.299152 & 0.259549 & 0.178506\end{array}$ $\begin{array}{lllll}0.058166 & 0.542147 & 0.33527 & 0.29786\end{array}$ $\begin{array}{llll}0.06965 & 0.496335 & 0.389144 & 0.335432\end{array}$

$1000 \quad 905.7420 .0025460 .0988350 .058740 .089986$ 3.429429 3.4926620 .005746 | 1000 | 890.6126 | 0.002877 | 0.086703 | 0.069178 | 0.082464 | 3.526752 | 3.3959981 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.0044067 |  |  |  |  |  |  |
| 1000 | 1073.441 | 0.001675 | 0.082106 | 0.054641 | 0.058455 | 3.507604 | 3.403786 |
| 0 | 0.003647 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1073.441 & 0.001675 & 0.082106 & 0.054641 & 0.058455 & 3.507604 & 3.403786 & 0.003647 \\ 1000 & 929.3177 & 0.004843 & 0.061961 & 0.072055 & 0.079167 & 3.102895 & 3.164053 & 0.00311\end{array}$ $\begin{array}{lllllllll}1000 & 1225.217 & 0.004303 & 0.07071 & 0.090447 & 0.069996 & 3.217689 & 3.264866 & 0.003256\end{array}$ $\begin{array}{llllllllll}1000 & 970.7881 & 0.007138 & 0.09723 & 0.067582 & 0.085619 & 3.421184 & 3.432714 & 0.006105\end{array}$ $\begin{array}{lllllllll}1000 & 947.7764 & 0.00102 & 0.092931 & 0.093504 & 0.102446 & 3.519516 & 3.577147 & 0.002111 \\ 1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.06585 & 3338964 & 3.358839 & 0.00520\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.0658 & 3.338964 & 3.350839 \\ 1000 & 904.7969 & 0.00025206 \\ 100 & 0.06308 & 0.067713 & 0.035117 & 0.052449 & 3.164404 & 3.369318 & 0.002793\end{array}$ | 1000 | 904.7969 | 0.003208 | 0.067713 | 0.035117 | 0.052449 | 3.164404 | 3.369318 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.002793 $\begin{array}{llllllllll}1000 & 1280.452 & 0.001371 & 0.079236 & 0.061353 & 0.059695 & 3.458863 & 3.501312 & 0.001646\end{array}$ $\begin{array}{llllllllll}1000 & 1031.921 & 0.001119 & 0.089958 & 0.096619 & 0.063459 & 3.967561 & 3.67656 & 0.003911\end{array}$ $\begin{array}{lllllllllll}1000 & 899.5557 & -0.00403 & 0.066704 & 0.049284 & 0.054816 & 3.018213 & 3.1865 & 0.002319\end{array}$ $\begin{array}{llllllllllllll}1000 & 946.1591 & 0.00817 & 0.087604 & 0.104637 & 0.051187 & 3.701981 & 3.581155 & 0.002743\end{array}$ $1000993.24640 .0011930 .0850390 .0437290 .0715763 .201924 \begin{array}{llllll}3.072473 & 0.004841\end{array}$ $\begin{array}{lllllllll}1000 & 829.7013 & 0.003745 & 0.065475 & 0.089444 & 0.061567 & 3.417848 & 3.364582 & 0.004294\end{array}$ $\begin{array}{lllllllll}1000 & 1399.821 & 0.003509 & 0.064642 & 0.067814 & 0.049206 & 3.851482 & 3.486635 & 0.007043 \\ 1000 & 1062.504 & 0.03156 & 0.075391 & 0.05437 & 0.062787 & 3.341506 & 3580388 & 0.003513\end{array}$ $\begin{array}{lllllllll}1000 & 1062.504 & 0.003156 & 0.073391 & 0.05437 & 0.062787 & 3.341506 & 3.580388 & 0.003513 \\ 1000 & 1288.647 & 0.001885 & 0.064578 & 0.044822 & 0.063408 & 3.439779 & 3.511351 & 0.004105\end{array}$ $\begin{array}{llllllllll}1000 & 958.7214 & 0.002609 & 0.057147 & 0.06394 & 0.059327 & 3.709795 & 3.428895 & 0.006255\end{array}$ $\begin{array}{lllllllllll}1000 & 1326.65 & 0.001774 & 0.051449 & 0.040624 & 0.039714 & 3.54729 & 4.085923 & 0.004247\end{array}$ $\begin{array}{llllllllll}1000 & 922.5494 & 0.008058 & 0.062168 & 0.050684 & 0.054205 & 4.225361 & 3.607393 & 0.003142\end{array}$ $\begin{array}{lllllllll}1000 & 926.0248 & 0.004348 & 0.052341 & 0.014006 & 0.042347 & 2.858641 & 2.99682 & 0.002972\end{array}$ $\begin{array}{lllllllll}1000 & 10944.093 & 0.004463 & 0.054263 & 0.093812 & 0.054794 & 3.424035 & 3.397338 & 0.001542\end{array}$ $\begin{array}{lllllllll}1000 & 1142.049 & 0.001762 & 0.057779 & 0.017504 & 0.039449 & 3.790318 & 3.588461 & 0.001696 \\ 1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361\end{array}$ $\begin{array}{lllllllll}1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361 \\ 1000 & 920.2568 & 0.0077 & 0.034261 & 0.033104 & 0.040039 & 3.735436 & 3.415903 & 0.007889\end{array}$ $\begin{array}{lllllllll}1000 & 1052.672 & 0.010716 & 0.057902 & 0.060937 & 0.052204 & 4.032544 & 4.654298 & 0.004371\end{array}$ $\begin{array}{lllllllll}1000 & 1058.219 & 0.001879 & 0.035675 & 0.034252 & 0.030765 & 4.590401 & 4.726898 & 0.0032303\end{array}$ $\begin{array}{llllllllll}1000 & 1252.312 & 0.003046 & 0.04192 & 0.000398 & 0.024161 & 4.136815 & 3.775635 & 0.002383\end{array}$ $\begin{array}{lllllllllll}1000 & 1203.704 & 0.006028 & 0.042508 & 0.013982 & 0.025003 & 3.896073 & 4.005617 & 0.003806\end{array}$ $\begin{array}{lllllllll}1000 & 11101.566 & -0.002205 & 0.035857 & 0.023016 & 0.0164661 & 4.863489 & 4.798971 & 0.00223 \\ 1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.00331\end{array}$ $\begin{array}{llllllllll}1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.003318\end{array}$ $\begin{array}{lllllllll}1000 & 1058.409 & 0.009446 & 0.052058 & 0.050708 & 0.050175 & 4.652786 & 4.801299 & 0.000756 \\ 1000 & 1183.255 & 0.010478 & 0.043883 & 0.012169 & 0.050827 & 4.573784 & 4.355595 & 0.000188\end{array}$ $\begin{array}{llllllllllll}1000 & 803.8904 & 0.009577 & 0.037524 & 0.040648 & 0.053182 & 4.120374 & 4.371965 & 0.0001496\end{array}$ $\begin{array}{lllllllll}1000 & 1037.693 & 0.001658 & 0.066333 & 0.000384 & 0.057836 & 5.041496 & 4.693602 & 0.003352\end{array}$ $\begin{array}{llllllllll}1000 & 925.5876 & 0.006262 & 0.053149 & 0.037427 & 0.054935 & 3.407574 & 3.769117 & 0.002198\end{array}$ $\begin{array}{llllllllll}1000 & 843.6636 & 0.006927 & 0.055849 & 0.07241 & 0.063077 & 3.607112 & 3.68253 & 0.001427\end{array}$ $\begin{array}{lllllllll}1000 & 805.7752 & 0.008382 & 0.066314 & 0.031675 & 0.056916 & 3.140758 & 3.685913 & 0.001727\end{array}$ $\begin{array}{lllllllll}1000 & 872.5966 & 0.003589 & 0.07632 & 0.056564 & 0.068877 & 3.25273 & 3.405482 & 0.00511 \\ 1000 & 1094.094 & 0.014232 & 0.07559 & 0.093232 & 0.07731 & 3.735111 & 3.52045 & 0.00558\end{array}$ $\begin{array}{lllllllll}1000 & 1094.094 & 0.014232 & 0.075594 & 0.093232 & 0.067318 & 3.735111 & 3.52045 & 0.000588 \\ 1000 & 1136.891 & 0.006728 & 0.070606 & 0.093671 & 0.066265 & 3.353711 & 3.772757 & 0.002211\end{array}$ $\begin{array}{llllllllll}1000 & 643.5551 & 0.003235 & 0.064861 & 0.045898 & 0.053631 & 2.466275 & 2.753502 & 0.004146\end{array}$ $\begin{array}{llllllllll}1000 & 1007.207 & 0.009489 & 0.104798 & 0.101768 & 0.092928 & 3.365738 & 3.481152 & 0.002528\end{array}$ $\begin{array}{llllllllll}1000 & 981.4423 & 0.005573 & 0.081417 & 0.066412 & 0.076956 & 3.78825 & 3.615239 & 0.000662\end{array}$ $\begin{array}{llllllllllllll}1000 & 902.3315 & 0.002563 & 0.070003 & 0.091977 & 0.076141 & 3.140902 & 2.804534 & 0.003079\end{array}$ $\begin{array}{lllllllll}1000 & 932.0316 & 0.00459 & 0.102028 & 0.060143 & 0.110296 & 3.21881 & 3.759883 & 0.005003\end{array}$ $\begin{array}{rrrrrrrr}1000 & 860.124 & 0.007311 & 0.09571 & 0.075124 & 0.071388 & 3.570918 & 3.45387 \\ 1000 & 1039.437 & 0.0001884 & 0.095932 & 0.059 & 0.050909 & 0.07152 & 3.058191\end{array}$ $\begin{array}{lllllllll}1000 & 1039.437 & 0.001884 & 0.095799 & 0.030909 & 0.071252 & 3.958191 & 3.569328 & 0.0073666 \\ 1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774\end{array}$ $\begin{array}{lllllllll}1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774 \\ 1000 & 828.783 & 0.001097 & 0.075206 & 0.057932 & 0.068643 & 3.481892 & 3.233353 & 0.014633\end{array}$ $\begin{array}{llllllll}1000 & 128.7821 & 0.0056 & 0.047063 & 0.025682 & 0.089367 & 3.603593 & 4.031645 \\ 1000 & 1247.822 & 0.017631\end{array}$ $\begin{array}{lllllllllll}1000 & 1013.95 & 0.008459 & 0.059136 & 0.050498 & 0.052941 & 4.676865 & 4.152523 & 0.031187\end{array}$ $\begin{array}{lllllllll}1000 & 898.0917 & 0.008767 & 0.065534 & 0.079227 & 0.060491 & 4.655381 & 4.30596 & 0.021502\end{array}$ $\begin{array}{lllllllll}1000 & 1083.251 & 0.004121 & 0.062631 & 0.060933 & 0.056853 & 4.164407 & 3.759606 & 0.019272\end{array}$ $\begin{array}{llllllllllll}1000 & 823.1413 & 0.005656 & 0.049786 & 0.02715 & 0.044668 & 3.361296 & 3.02752 & 0.018793\end{array}$ $\begin{array}{lllllllllll}1000 & 844.7162 & 0.008494 & 0.053126 & 0.057647 & 0.057584 & 3.7277777 & 3.990325 & 0.021677\end{array}$ $\begin{array}{lllllllll}1000 & 1355.153 & 0.006074 & 0.072735 & 0.083726 & 0.059459 & 4.642025 & 4.456776 & 0.010294\end{array}$ $\begin{array}{lllllllll}1000 & 1038.849 & 0.006568 & 0.063042 & 0.051207 & 0.05379 & 3.845864 & 3.856597 & 0.014046 \\ 1000 & 916.6377 & 0.003637 & 0.04579 & 0.074328 & 0.059461 & 4.432084 & 3.905216 & 0.00713\end{array}$ $\begin{array}{llllllllllll}1000 & 958.7189 & 0.005053 & 0.044903 & 0.023287 & 0.041139 & 2.777737 & 3.01019 & 0.004182\end{array}$ $\begin{array}{llllllllll}1000 & 1016.01 & 0.008067 & 0.068378 & 0.033805 & 0.061769 & 4.005572 & 4.108602 & 0.00607\end{array}$ $\begin{array}{llllllllllll}1000 & 1038.673 & 0.009541 & 0.065047 & 0.050537 & 0.060513 & 4.812117 & 4.194778 & 0.004595\end{array}$


| 10.912 | 103.01 | 166.03 | 117.04 | 195.12 | 8016.69 | 139670.9 | 162.03 | 79.01 | 8 | 96.01 | 5248.14 | 48187.35 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.2458 | 170.03 | 148.02 | 111.04 | 140.06 | 6881.4 | 120978 | 176.03 | 84.01 | 23 | 75.01 | 5330.09 | 39947.81 |  |
| 111.5797 | 94.01 | 189.04 | 113.04 | 160.08 | 8205.11 | 106905.4 | 160.03 | 74.01 | 18 | 81.01 | 5260.28 | 44469.92 |  |
| 111.914 | 121.02 | 172.03 | 177.1 | 179.1 | . 25 | 159670.2 | 166.03 | 98.01 | 15 | 85.01 | 83 | 45544.06 |  |
| 112.2478 | 133.02 | 207.04 | 116.04 | 85.11 | 8164.04 | 158706.1 | 174.03 | 102.01 | 14 | 101.01 | 4946.79 | 43993.6 |  |
| 112.5816 | 134.02 | 191.04 | 124.05 | 185.11 | 7731.85 | 119433.4 | 153.03 | 106.01 | 14 | 111.01 | 5412.05 | 46783.14 |  |
| 112.916 | 114.01 | 136.02 | 158.08 | 170.09 | 7007.84 | 118180.9 | 167.03 | 114.01 | 18 | 97.01 | 5228.92 | 44937.84 |  |
| 113.2498 | 78.01 | 171.03 | 117.04 | 187.11 | 9133.6 | 118618.3 | 178.03 | 119.02 | 18 | 92.01 | 4896.25 | 41111.18 |  |
| 113.5836 | 115.01 | 139.02 | 123.05 | 188.11 | 7892.6 | 122290.1 | 180.03 | 110.01 | 9 | 136.02 | 5390.8 | 40042.64 |  |
| 113.91 | 123.02 | 147.02 | 210.14 | 2.08 | 1.7 | 118876 | 185.04 | 129.02 | 13 | 159. | 16.3 | 40847. |  |
| 114.2518 | 118.01 | 139.02 | 153.07 | 182.1 | 9307.43 | 139822.4 | 188.0 | 141.02 | 6 | 136.0 | 4735.56 | 44018.9 |  |
| 114.585 | 119.01 | 158. | 146.07 | 179.1 | 6828.13 | 145393.7 | 145.02 | 159.03 | 8 | 121.02 | 5093.4 | 40110.25 |  |
| 114.9199 | 91.01 | 154.02 | 149.07 | 203.13 | 7781.21 | 135404.5 | 138.02 | 160.03 | 12 | 146.02 | 5156.1 | 47129.38 |  |
| 115.2538 | 108.01 | 136.02 | 135.06 | 189.11 | 7296.63 | 145341.8 | 140.02 | 170.03 | 24 | 122.02 | 4953.87 | 42777.16 |  |
| 115.5876 | 123.02 | 158.03 | 37.06 | 215.15 | 6975.44 | 146561.6 | 163.03 | 156.03 | 26 | 121.02 | 4714.34 | 42006.93 |  |
| 115.9219 | 116.0 | 155.0 | 167.09 | 205.13 | 7208.68 | 135788.7 | 171.03 | 110.01 | 21 | 136.02 | 5828.15 | 41200.78 |  |
| 116.2557 | 110.01 | 129.02 | 156.08 | 185.11 | 8624.85 | 119387.1 | 147.02 | 99.01 | 16 | 95.01 | 4571.89 | 41538.61 |  |
| 116.5896 | 97.01 | 130.02 | 167.09 | 192.12 | 6944.08 | 135200.2 | 169.03 | 120.02 | 22 | 100.01 | 5456.58 | 40771.47 |  |
| 116.9249 | 153.02 | 154.02 | 143.06 | 173.09 | 6931.55 | 105899.4 | 213.05 | 117.01 | 16 | 127.02 | 4679.98 | 45478.98 |  |
| 117.2588 | 118.01 | 123.02 | 163.08 | 217.15 | 7627.92 | 137938.6 | 167.03 | 142.02 | 15 | 129.02 | 5045.87 | 45042.49 |  |
| 117.5926 | 131.02 | 163.03 | 145.07 | 33.17 | 8341.04 | 147298.6 | 142.02 | 137.02 | 17 | 125.02 | 5209.7 | 38158.14 |  |
| 117.9269 | 123.02 | 138.02 | 166.09 | 188.11 | 8837.25 | 115959.1 | 146.02 | 149.02 | 20 | 150.02 | 4653.72 | 41348.36 |  |
| 118.2607 | 125.02 | 125.02 | 180.1 | 179.1 | 7071.62 | 118152.5 | 174.03 | 115.01 | 21 | 94.01 | 4753.74 | 40639.38 |  |
| 118.5946 | 143.02 | 144.02 | 136.06 | 199.13 | 7014.11 | 130211.8 | 170.03 | 120.02 | 26 | 152.03 | 4791.13 | 41305.71 |  |
| 118.9289 | 141.02 | 154.02 | 149.07 | 170.09 | 7956.73 | 123459.2 | 175.03 | 134.02 | 27 | 145.02 | 4621.39 | 45100.88 |  |
| 119.2627 | 1.02 | 130.02 | 178.1 | 0.07 | 8169.3 | 206000.9 | 75.03 | 158.03 | 11 | 149.02 | 5609.42 | 41980.66 |  |
| 119.5965 | 189.04 | 125.02 | 128.05 | 229.17 | 7695.1 | 134846 | 160.03 | 171.03 | 29 | 140.02 | 4966 | 47544.54 |  |
| 119.9309 | 181.03 | 119.01 | 128.05 | 209.14 | 7309.2 | 128876.8 | 164.03 | 152.03 | 33 | 143.02 | 5401.93 | 47834.79 |  |
| 120.2647 | 208.05 | 123.02 | 140.06 | 218.15 | 8219.85 | 127136.3 | 166.03 | 135.02 | 25 | 121.02 | 5782.57 | 43207.19 |  |
| 120.5985 | 207.04 | 131.02 | 133.06 | 173.09 | 6758.19 | 134596.4 | 146.02 | 119.02 | 18 | 137.02 | 5258.26 | 43263.17 |  |
| 120.9329 | 209.05 | 142.02 | 128.05 | 196.12 | 7746.55 | 138418.3 | 157.03 | 127.02 | 22 | 145.0 | 4756.7 | 42489.96 |  |
| 121.2667 | 224.05 | 153.02 | 167.09 | 5.28 | 7624.77 | 122400.2 | 79.03 | 44.02 | 27 | 151.0 | 5214.7 | 48129.68 |  |
| 121.6005 | 227.05 | 106.01 | 183.11 | 186.11 | 8657.59 | 121692 | 154.03 | 157.03 | 23 | 166.03 | 5476.82 | 43681.56 |  |
| 121.9348 | 169.03 | 166.03 | 158.08 | 211.14 | 8722.03 | 145593.1 | 140.02 | 178.03 | 19 | 177.03 | 5769.41 | 45257.38 |  |
| 122.2687 | 169.03 | 138.02 | 168.09 | 204.13 | 8280.96 | 146165.6 | 169.03 | 224.05 | 27 | 190.04 | 6717.3 | 49203.21 |  |
| 122.6025 | 212.05 | 136.02 | 176.1 | 195.12 | 8124.03 | 149994.3 | 159.03 | 215.05 | 44 | 204.05 | 5299.74 | 43068.93 |  |
| 122.9368 | 155.03 | 128.02 | 174.1 | 254.2 | 7907.32 | 132814.5 | 181.0 | 225.05 | 33 | 196. | 5112.61 | 47200.21 |  |
| 123.2707 | 164.03 | 155.03 | 126.05 | 34.17 | 8534.06 | 124005.4 | 167.03 | 209.05 | 27 | 188.0 | 5854.49 | 40740.9 |  |
| 123.605 | 108.01 | 130.02 | 199.13 | 227.16 | 7849.5 | 113768.8 | 196.04 | 282.09 | 31 | 207.05 | 5998.34 | 48019.91 |  |
| 123.9388 | 134.02 | 163.03 | 188.11 | 275.24 | 8137.72 | 131651.1 | 239.06 | 239.06 | 45 | 210.05 | 5678.27 | 44916.91 |  |
| 124.2726 | 149.02 | 140.02 | 142.06 | 207.14 | 8393.75 | 125694.7 | 195.04 | 208.05 | 44 | 169.03 | 5542.61 | 49649.09 |  |
| 124.607 | 129.02 | 139.02 | 200.13 | 203.13 | 9153.73 | 170036.9 | 226.06 | 209.05 | 40 | 185.04 | 5099.46 | 43419.06 |  |
| 124.9418 | 117.01 | 154.02 | 199.13 | 248.19 | 8132.45 | 134296.6 | 236.06 | 201.04 | 39 | 190.0 | 5481.88 | 45281.63 |  |
| 125.2757 | 148.02 | 130.02 | 218.15 | 270.23 | 7857.9 | 113314.9 | 255.07 | 221.05 | 29 | 183.04 | 5401.93 | 47630.93 |  |
| 125.61 | 146.02 | 137.02 | 177.1 | 292.27 | 7630.01 | 130716.1 | 215.05 | 202.04 | 35 | 180.04 | 5585.13 | 44630.61 |  |
| 125.9438 | 118.01 | 165.03 | 219.15 | 204.13 | 7383.58 | 128576 | 236.06 | 214.05 | 50 | 157.03 | 5782.57 | 49154.3 |  |
| 126.2776 | 142.02 | 123.02 | 190.11 | 215.15 | 6528.72 | 126516.8 | 216.05 | 183.04 | 21 | 165.03 | 5682.32 | 40495.3 |  |
| 126.612 | 136.02 | 144.02 | 126.05 | 206.13 | 7564.96 | 111027 | 228.06 | 160.03 | 36 | 169.03 | 5253.2 | 46077.06 |  |
| 126.9458 | 114.01 | 150.02 | 145.07 | 263.22 | 8211.43 | 135761 | 247.07 | 184.04 | 20 | 167.03 | 5037.78 | 42595.16 |  |
| 127.2796 | 125.02 | 147.02 | 185.11 | 227.16 | 9413.51 | 119914.5 | 213.05 | 157.03 | 23 | 155.03 | 5247.13 | 43167.68 |  |
| 127.614 | 135.02 | 149.02 | 161.08 | 262.22 | 7821.13 | 136845.4 | 219.05 | 138.02 | 28 | 160.03 | 5701.56 | 46422.79 |  |
| 127.9478 | 125.02 | 133.02 | 165.09 | 191.12 | 7218.1 | 135168.7 | 255.07 | 143.02 | 27 | 145.02 | 5144.97 | 45565.01 |  |
| 128.2816 | 146.02 | 146.02 | 143.06 | 198.12 | 7447.51 | 141243.3 | 201.04 | 125.02 | 36 | 122.02 | 5229.93 | 41493.77 |  |
| 128.6159 | 160.03 | 119.01 | 194.12 | 174.1 | 7100.91 | 148006.7 | 187.04 | 151.02 | 27 | 142.02 | 4885.13 | 43501.41 |  |
| 128.9498 | 144.02 | 142.02 | 158.08 | 282.25 | 8255.67 | 129921.3 | 177.03 | 157.03 | 24 | 121.02 | 4832.57 | 38475.32 |  |
| 129.2836 | 158.03 | 92.01 | 111.04 | 190.11 | 7337.48 | 135638.7 | 174.03 | 177.03 | 26 | 126.02 | 4831.56 | 43278.54 |  |
| 129.6179 | 118.01 | 177.03 | 138.06 | 174.1 | 7180.42 | 113730.3 | 200.04 | 170.03 | 28 | 128.02 | 5039.8 | 42904.38 |  |
| 129.9517 | 132.02 | 132.02 | 166.09 | 216.15 | 7365.77 | 111272.6 | 160.03 | 163.03 | 23 | 170.03 | 4822.46 | 41918.2 |  |
| 130.2856 | 149.02 | 139.02 | 150.07 | 8.12 | 7538.74 | 111044.7 | 173.03 | 161.03 | 23 | 151.02 | 4991.27 | 47995.52 |  |
| 130.6199 | 99.01 | 146.02 | 175.1 | 202.13 | 7203.45 | 123824.4 | 162.03 | 163.03 | 23 | 108.01 | 4909.39 | 44482.02 |  |
| 130.9537 | 114.01 | 126.02 | 141.06 | 180.1 | 7384.63 | 111506.3 | 183.04 | 146.02 | 11 | 105.01 | 4980.15 | 41936.87 |  |
| 131.2876 | 99.01 | 155.03 | 130.05 | 176.1 | 9568.53 | 132619.8 | 157.03 | 102.01 | 15 | 123.02 | 5073.17 | 41740.98 |  |
| 131.6219 | 99.01 | 126.02 | 109.04 | 179.1 | 8648.09 | 138957.8 | 171.03 | 111.01 | 10 | 108.01 | 5136.88 | 43933.2 |  |
| 131.9557 | 111.01 | 131.02 | 124.05 | 146.07 | 7815.8 | 113781 | 161.03 | 89.01 | 12 | 94.01 | 6895.95 | 47109.46 |  |

$0.0536820 .360345 \quad 0.3086690 .368069$ $\begin{array}{llll}0.145371 & 0.367326 & 0.340874 & 0.288409\end{array}$ $\begin{array}{llllll}0.043121 & 0.408302 & 0.291106 & 0.284683\end{array}$ $\begin{array}{llllll}0.075184 & 0.38771 & 0.485077 & 0.343968\end{array}$ $\begin{array}{lllll}0.083974 & 0.454568 & 0.300465 & 0.339911 \\ 0.089769 & 0.438487 & 0.339521 & 0.358915\end{array}$ $\begin{array}{llll}0.089769 & 0.438487 & 0.339521 & 0.358915 \\ 0.074762 & 0.326358 & 0.478932 & 0.358397\end{array}$ $\begin{array}{lllll}0.023839 & 0.3227248 & 0.478932 & 0.350916 & 0.307663\end{array}$ $\begin{array}{llllll}0.067457 & 0.297387 & 0.329882 & 0.358273\end{array}$ $\begin{array}{llllll}0.06949 & 0.290165 & 0.517778 & 0.274356\end{array}$
 $\begin{array}{llllll}0.042192 & 0.340302 & 0.406444 & 0.397273\end{array}$ $\begin{array}{llllllll}0.064809 & 0.313438 & 0.392194 & 0.389948\end{array}$ $\begin{array}{llllllll}0.086095 & 0.39115 & 0.416417 & 0.473413\end{array}$ $\begin{array}{lllll}0.075038 & 0.370146 & 0.492437 & 0.433701\end{array}$ $\begin{array}{llll}0.056798 & 0.248885 & 0.38414 & 0.321746 \\ & 054628 & 0.312029 & 0.511206\end{array}$ $\begin{array}{llll}0.054628 & 0.312029 & 0.511206 & 0.417356 \\ 0.123449 & 0.382026 & 0.437651 & 0.369937\end{array}$ $\begin{array}{llllllll}0.073143 & 0.265647 & 0.454072 & 0.437509\end{array}$ $\begin{array}{lllll}0.080153 & 0.339117 & 0.368857 & 0.433796\end{array}$ $\begin{array}{llllll}0.067953 & 0.263323 & 0.399239 & 0.319968\end{array}$ $0.0873290 .2922210 .541509 \quad 0.37752$ $\begin{array}{lllll}0.10987 & 0.348939 & 0.411058 & 0.430725\end{array}$ 0.0947130 .3327930 .3974770 .315646 $\begin{array}{lllll}0.102539 & 0.265221 & 0.46347 & 0.264431 \\ 0.151005 & 0.268539 & 0.35231 & 0.461097\end{array}$ $0.14966 \quad 0.266232 \quad 0.370915 \quad 0.437362$ $\begin{array}{lllll}0.161031 & 0.246513 & 0.361202 & 0.408131\end{array}$ $\begin{array}{lllll}0.194597 & 0.323581 & 0.417091 & 0.379429\end{array}$ $\begin{array}{llllll}0.17197 & 0.310761 & 0.349969 & 0.383172\end{array}$ $\begin{array}{llll}0.191448 & 0.344655 & 0.465558 & 0.617488\end{array}$ $\begin{array}{lllll}0.171551 & 0.194649 & 0.449759 & 0.322556\end{array}$ $\begin{array}{llll}0.113712 & 0.331198 & 0.384785 & 0.370525 \\ 0.11977 & 0.281016 & 0.431253 & 0.375411\end{array}$ $\begin{array}{llllll}0.167118 & 0.281509 & 0.460767 & 0.363205\end{array}$ $\begin{array}{llllll}0.110373 & 0.268938 & 0.467964 & 0.504261\end{array}$ $\begin{array}{llllllll}0.111235 & 0.312648 & 0.312633 & 0.426038\end{array}$ $\begin{array}{llllllll}0.060243 & 0.276029 & 0.539916 & 0.447532\end{array}$ $\begin{array}{llll}0.085291 & 0.347592 & 0.491697 & 0.535347\end{array}$ $\begin{array}{llll}0.097887 & 0.282017 & 0.358836 & 0.376658\end{array}$ $\begin{array}{llll}0.071177 & 0.256408 & 0.46532 & 0.337694\end{array}$ $01034810275733 \quad 0591338 \quad 0.543227$ $\begin{array}{lllll}0.104343 & 0.302368 & 0.493423 & 0.610142\end{array}$ $\begin{array}{llllll}0.075564 & 0.388534 & 0.632245 & 0.421049\end{array}$ 0.1167380 .3103840 .6194910 .005814 $\begin{array}{lllllllll}0.093999 & 0.323524 & 0.352692 & 0.41559\end{array}$ $\begin{array}{llll}0.063801 & 0.3127 & 0.37468 & 0.504856\end{array}$ $\begin{array}{llll}0.065599 & 0.266371 & 0.4182 & 0.373162\end{array}$ 0.085320 .3257450 .4373590 .527812 $\begin{array}{lllll}106901 & 0.334013 & 0.407324 & 0.403274\end{array}$ $\begin{array}{lllll}0.1289 & 0.274043 & 0.581692 & 0.363607\end{array}$ 0.0943740 .2915930 .4065270 .542596 $\begin{array}{llllllllll} & 0.122424 & 0.191416 & 0.319681 & 0.390167\end{array}$ $\begin{array}{lllll}0.077702 & 0.433043 & 0.407519 & 0.35958\end{array}$ $\begin{array}{lllll}0.091923 & 0.299606 & 0.479016 & 0.450701\end{array}$ $\begin{array}{lllll}0.45991 & 0.31135 & 0.42237 & 0.398392\end{array}$ $\begin{array}{lllllll}0.070947 & 0.282547 & 0.404974 & 0.363891\end{array}$ $\begin{array}{llllll}0.041419 & 0.278841 & 0.287808 & 0.273487\end{array}$ $\begin{array}{llllll}0.045829 & 0.24126 & 0.266255 & 0.308687\end{array}$ $\begin{array}{llllll}0.063767 & 0.279782 & 0.335869 & 0.267411\end{array}$

$\begin{array}{llllllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786\end{array}$ $\begin{array}{lllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786 \\ 1000 & 1030.703 & 0.005724 & 0.069542 & 0.111281 & 0.046729 & 4.411835 & 3.945086 & 0.005952 \\ 100 & 763.7365 & 0.00273 & 0.051261 & 0.072176 & 0.04627 & 3.550583 & 3.38027 & 0.00686\end{array}$ $\begin{array}{lllllllll}1000 & 1206.393 & 0.003706 & 0.0572105 & 0.072176 & 0.044628 & 0.6505058 & 3.683027 & 0.00686 \\ 10.051013 & 3.829933 & 3.987757 & 0.004487\end{array}$ $\begin{array}{lllllllll}1000 & 1139.93 & 0.004564 & 0.071385 & 0.055535 & 0.051013 & 0.82639933 & 3.987757 & 0.004487 \\ 10.446269 & 3.661917 & 0.003515\end{array}$ $\begin{array}{llllllll}1000 & 905.5828 & 0.001935 & 0.078373 & 0.05864 & 0.076215 & 3.987927 & 4.11183 \\ 0.002918\end{array}$ $\begin{array}{lllllllll}1000 & 988.6773 & 0.004257 & 0.093085 & 0.08451 & 0.069234 & 4.248488 & 4.3578 & 0.006282 \\ 1000 & 7613368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 761.3368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 908.375 & 0.005528 & 0.079712 & 0.03546 & 0.098228 & 3.891071 & 3.447692 & 0.011792\end{array}$ $\begin{array}{lllllllll}1000 & 886.428 & 0.005664 & 0.085542 & 0.048449 & 0.109513 & 3.101087 & 3.212075 & 0.007577 \\ 1080.8056 & 0.005601 & 0.08689 & 0.018883 & 0.083294 & 2.891213 & 3.21382 & 0.0044\end{array}$ $\begin{array}{lllllllll}1000 & 1248.595 & 0.000946 & 0.133727 & 0.086735 & 0.097208 & 4.245227 & 3.992039 & 0.006896\end{array}$ $\begin{array}{llllllllll}1000 & 1020.289 & -0.00013 & 0.118088 & 0.049348 & 0.109192 & 3.771862 & 4.11598 & 0.005264\end{array}$ $\begin{array}{llllllllllll}1000 & 1167.989 & 0.000158 & 0.133871 & 0.109703 & 0.091984 & 3.861684 & 3.984044 & 0.003093\end{array}$ $\begin{array}{llllllllll}1000 & 1232.046 & 0.003667 & 0.128411 & 0.124706 & 0.095154 & 3.840393 & 4.092499 & 0.004114\end{array}$ $\begin{array}{lllllllll}1000 & 1104.47 & 0.004727 & 0.087276 & 0.096598 & 0.10755 & 4.612181 & 3.884053 & 0.005682 \\ 1000 & 811.466 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.01025 & 327279 & 0.003682\end{array}$ $\begin{array}{lllllllll}1000 & 811.486 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.010025 & 3.27279 & 0.003682 \\ 1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574\end{array}$ $\begin{array}{lllllllll}1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574 \\ 1000 & 895.5792 & 0.011353 & 0.096616 & 0.075427 & 0.102195 & 3.835968 & 4.45883 & 0.006351\end{array}$ $\begin{array}{llllllllll}1000 & 1060.293 & 0.00391 & 0.106786 & 0.063989 & 0.094813 & 3.763873 & 4.012791 & 0.006575\end{array}$ $\begin{array}{llllllllll}1000 & 1035.477 & 0.000392 & 0.094182 & 0.066839 & 0.083139 & 3.555916 & 3.108759 & 0.00785\end{array}$ $\begin{array}{lllllllllll}1000 & 769.2149 & 0.000851 & 0.096758 & 0.074866 & 0.099507 & 2.991364 & 3.179485 & 0.007409\end{array}$ $\begin{array}{lllllllll}1000 & 979.5221 & 0.005269 & 0.093064 & 0.098471 & 0.065454 & 3.82046 & 3.9054 & 0.005792\end{array}$ | 1000 | 1088.455 | 0.004707 | 0.097965 | 0.124019 | 0.12751 | 3.882708 | 4.00199 | 0.007588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 909.675 & 0.004816 & 0.096548 & 0.1113685 & 0.105878 & 3.29891 & 3.851913 & 0.005148\end{array}$ $\begin{array}{lllllllll}1000 & 1478.939 & 0.004691 & 0.111059 & 0.042755 & 0.106735 & 3.914445 & 3.492105 & 0.00689 \\ 1000 & 1027.449 & 0.00291 & 0.12769 & 0.126571 & 0.104616 & 3.670812 & 4.198713 & 0.008908\end{array}$ $\begin{array}{lllllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 & 0.004765\end{array}$ $\begin{array}{llllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 \\ 1000 & 906.8016 & 0.0035 & 0.094162 & 0.101601 & 0.080746 & 4.012529 & 3.572027 \\ 0.007593\end{array}$ $\left.\begin{array}{llllllll}1000 & 1167.758 & 0.001113 & 0.100818 & 0.087633 & 0.08115821 & 4.430648 & 4.350418\end{array}\right) .0005607$ $\begin{array}{lllllllll}1000 & 1047.686 & 0.00248 & 0.093934 & 0.09437 & 0.108721 & 3.489795 & 3.727402 & 0.0054496\end{array}$ $\begin{array}{lllllllll}1000 & 941.1382 & 0.005583 & 0.108349 & 0.118635 & 0.11631 & 3.893886 & 4.289603 & 0.0097994 \\ 1000 & 824.0397 & 0.001851 & 0.104125 & 0.088446 & 0.115325 & 3.60483 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 824.0397 & 0.001851 & 0.104125 & 0.0888446 & 0.115325 & 3.604803 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 978.7613 & 0.000132 & 0.117302 & 0.071876 & 0.123852 & 3.772706 & 3.526057 & 0.00575 \\ 1000 & 1034.962 & 0.003858 & 0.155741 & 0.109233 & 0.142134 & 4.637519 & 4.037715 & 0.006427\end{array}$ $\begin{array}{llllllllll}1000 & 1082.615 & 0.002626 & 0.152333 & 0.183965 & 0.157705 & 3.715198 & 3.602601 & 0.006928\end{array}$ $\begin{array}{lllllllllll}1000 & 984.7912 & 0.005653 & 0.163834 & 0.140729 & 0.154494 & 3.679797 & 4.056408 & 0.007893\end{array}$ $\begin{array}{llllllllll}1000 & 851.878 & 0.003495 & 0.14094 & 0.105992 & 0.136175 & 3.913636 & 3.244094 & 0.011265\end{array}$ $\begin{array}{lllllllll}1000 & 849.6564 & 0.007724 & 0.207133 & 0.132923 & 0.166064 & 4.361304 & 4.157261 & 0.0142\end{array}$ $\begin{array}{lllllllll}1000 & 948.5133 & 0.013063 & 0.169167 & 0.18792 & 0.162923 & 3.978705 & 3.750861 & 0.010683\end{array}$ $\begin{array}{llllllllll}1000 & 877.9314 & 0.007097 & 0.142606 & 0.178052 & 0.121609 & 3.763591 & 4.019546 & 0.009999\end{array}$ $\begin{array}{lllllllll}1000 & 1089.298 & 0.010105 & 0.131397 & 0.148102 & 0.124517 & 3.170311 & 3.223259 & 0.011841 \\ 1000 & 968.2181 & 0.01268 & 0.142196 & 0.162437 & 0.14473 & 3.841237 & 3.783769 & 0.012952\end{array}$ $\begin{array}{lllllllllll}1000 & 845.25571 & 0.015692 & 0.161916 & 0.123948 & 0.143163 & 3.916467 & 4.11917 & 0.008723\end{array}$ $\begin{array}{lllllllll}1000 & 1004.452 & 0.010592 & 0.152322 & 0.154942 & 0.144516 & 4.172721 & 3.975007 & 0.006573\end{array}$ $\begin{array}{llllllllll}1000 & 1020.974 & 0.013967 & 0.166828 & 0.23062 & 0.126164 & 4.467101 & 4.524065 & 0.011359\end{array}$ $\begin{array}{lllllllll}1000 & 1136.185 & 0.012542 & 0.161165 & 0.106662 & 0.151801 & 4.963122 & 4.215248 & 0.006743\end{array}$ $\begin{array}{llllllllll}1000 & 860.3527 & 0.012509 & 0.121465 & 0.160862 & 0.134935 & 3.954148 & 4.139133 & 0.006225\end{array}$ $\begin{array}{lllllllll}1000 & 969.3694 & 0.013982 & 0.128837 & 0.088573 & 0.122498 & 3.490637 & 3.52504 & 0.003868\end{array}$ $\begin{array}{lllllllll}1000 & 746.7746 & 0.008359 & 0.095762 & 0.081342 & 0.097373 & 3.173777 & 3.116145 & 0.005653\end{array}$ $\begin{array}{lllllllll}1000 & 1025.892 & 0.010876 & 0.101185 & 0.120094 & 0.121956 & 4.157065 & 4.033571 & 0.005237 \\ 1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 & 0.00525\end{array}$ $\begin{array}{llllllll}1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 \\ 1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 0.003442\end{array}$ $\begin{array}{rlllllll}1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 10.003442 \\ 1000 & 1222.215 & 0.007193 & 0.122055 & 0.12739 & 0.115467 & 3.912007 & 4.163196\end{array}$ $\begin{array}{lllllllll}1000 & 922.6626 & 0.004899 & 0.109195 & 0.096956 & 0.080395 & 3.327776 & 3.167022 & 0.005332\end{array}$ | 1000 | 1083.879 | 0.005078 | 0.138652 | 0.118552 | 0.095526 | 3.743507 | 4.008295 | 0.006 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 928.534 & 0.009036 & 0.136039 & 0.130812 & 0.099687 & 3.993602 & 4.060579 & 0.008266\end{array}$ $\begin{array}{lllllllll}1000 & 885.5814 & 0.003041 & 0.12711 & 0.103961 & 0.139594 & 3.721961 & 3.867395 & 0.010138\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 863.4832 & 0.004802 & 0.122656 & 0.101575 & 0.117638 & 3.766406 & 4.326472 & 0.00584 \\ 1000 & 1007.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 10077.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984 \\ 1000 & 885.1764 & 0.006341 & 0.113442 & 0.047299 & 0.073757 & 3.836293 & 3.859227 & 0.002641\end{array}$ $\begin{array}{lllllllll}1000 & 812.5939 & 0.002008 & 0.060905 & 0.051009 & 0.070917 & 3.016918 & 2.964329 & 0.002679\end{array}$ $\begin{array}{lllllllllll}1000 & 942.1062 & 0.00394 & 0.073417 & 0.036375 & 0.065559 & 3.380806 & 3.452158 & 0.005445\end{array}$ $\begin{array}{llllllll}1000 & 853.4041 & 0.003001 & 0.064931 & 0.049129 & 0.05922 & 5.046094 & 4.095986\end{array} 0.002887$


$0.044437 \quad 0.312571 \quad 0.3427810 .308624$ $\begin{array}{llll}0.046762 & 0.336857 & 0.370035 & 0.340106 \\ 0.068011 & 0.326076 & 0.3969 & 0.52308\end{array}$ $\begin{array}{lllll}0.056868 & 0.342325 & 0.41955 & 0.330288\end{array}$ $\begin{array}{lllllll}0.078507 & 0.267993 & 0.465506 & 0.383965\end{array}$ $\begin{array}{llllll}0.074248 & 0.277665 & 0.365257 & 0.264165\end{array}$ $\begin{array}{lllll}0.087761 & 0.317996 & 0.424742 & 0.470755\end{array}$ $\begin{array}{llll}0.059405 & 0.282427 & 0.468836 & 0.42556\end{array}$ $\begin{array}{llll}0.046608 & 0.266311 & 0.351871 & 0.356288 \\ 0.051645 & 0.316809 & 0.524103 & 0.406413\end{array}$ $\begin{array}{lllll}0.065676 & 0.387286 & 0.445211 & 0.500101\end{array}$ $\begin{array}{llllll}0.082519 & 0.344969 & 0.397571 & 0.513949\end{array}$ $\begin{array}{llllll}0.108877 & 0.367639 & 0.382537 & 0.708788\end{array}$ $\begin{array}{lllll}0.089773 & 0.322717 & 0.456213 & 0.468827\end{array}$ 0.0665620 .3295210 .5005860 .677443 $\begin{array}{llll}0.072219 & 0.297353 & 0.567465 & 0.38169\end{array}$ $\begin{array}{llll}0.08197 & 0.334285 & 0.572469 & 0.524167 \\ 0.107833\end{array}$ $\begin{array}{llll}0.10883 & 0.422019 & 0.598455 & 0.517814 \\ 0.048601 & 0.404893 & 0.56953 & 0.693092\end{array}$ $\begin{array}{llll}0.058346 & 0.291126 & 0.48466 & 0.418928\end{array}$ $\begin{array}{llll}0.050163 & 0.257065 & 0.567555 & 0.400535\end{array}$ $\begin{array}{llllll}0.094217 & 0.293535 & 0.455265 & 0.65651\end{array}$ $\begin{array}{lllll}0.071373 & 0.413759 & 0.733668 & 0.504353\end{array}$ $\begin{array}{lllll}0.069974 & 0.325375 & 0.57928 & 0.443203\end{array}$ $\begin{array}{llll}0.092585 & 0.294887 & 0.786703 & 0.463063\end{array}$ $\begin{array}{llll}0.076388 & 0.195029 & 0.507872 & 0.4513 \\ 0.108478 & 0.391038 & 0.697866 & 0.520909\end{array}$ $\begin{array}{llll}0.078621 & 0.416351 & 0.454281 & 0.578721\end{array}$ $\begin{array}{llllll}0.084047 & 0.327839 & 0.551684 & 0.541032\end{array}$ $\begin{array}{lllll}0.090689 & 0.344969 & 0.768355 & 0.718153\end{array}$ $\begin{array}{llll}0.085384 & 0.29482 & 0.750217 & 0.409055\end{array}$ $\begin{array}{lllll}0.073679 & 0.263221 & 0.579498 & 0.62424\end{array}$ $\begin{array}{llll}0.073099 & 0.320249 & 0.635172 & 0.417421\end{array}$ $\begin{array}{llrr}0.053004 & 0.298549 & 0.55278 & 0.553536 \\ 0.144452 & 0.399464 & 0.750494 & 0.646404\end{array}$ $\begin{array}{llll}0.144452 & 0.399464 & 0.750494 & 0.645404 \\ 0.147509 & 0.283438 & 0.542936 & 0.647094\end{array}$ $\begin{array}{lllll}0.123596 & 0.883438 & 0.542936 & 0.647094 \\ 0.624061 & 0.618997\end{array}$ $\begin{array}{lllll}0.079763 & 0.195689 & 0.486438 & 0.749942\end{array}$ $\begin{array}{lllll}0.123407 & 0.349928 & 0.458067 & 0.532548\end{array}$ $\begin{array}{lllll}0.087468 & 0.384601 & 0.45797 & 0.778764\end{array}$ $\begin{array}{llll}0.137182 & 0.330022 & 0.623682 & 0.826923\end{array}$ $\begin{array}{llll}0.104886 & 0.367212 & 0.947521 & 0.802826 \\ 0.1368\end{array}$ $\begin{array}{lllll}0.114237 & 0.277753 & 1.077965 & 0.422333 \\ 0\end{array}$ $\begin{array}{lllll}0.145731 & 0.306307 & 0.579653 & 0.759567\end{array}$ $\begin{array}{lllll}0.106197 & 0.323544 & 0.753855 & 0.664579\end{array}$ $\begin{array}{llllll}0.084714 & 0.292601 & 0.715029 & 0.664531\end{array}$ 0.0878470 .3046850 .7324390 .751661 $\begin{array}{llll}0.100183 & 0.266213 & 0.820922 & 0.675898\end{array}$ $\begin{array}{llll}0.081279 & 0.38997 & 0.949931 & 0.903547\end{array}$ $\begin{array}{llll}0.106233 & 0.302203 & 0.554148 & 0.747692 \\ 0\end{array}$ $\begin{array}{llll}0.113736 & 0.314435 & 0.756194 & 0.6886429\end{array}$ 0.1505040 .3406050 .8156540 .870402 $\begin{array}{llllll}0.127428 & 0.304201 & 0.691778 & 0.68899\end{array}$ $\begin{array}{lllllll}0.178187 & 0.359958 & 0.820624 & 0.721558\end{array}$ $\begin{array}{lllll}0.093498 & 0.339944 & 0.966806 & 0.850388\end{array}$ $\begin{array}{llll}0.193156 & 0.421763 & 1.188669 & 0.876418\end{array}$ $\begin{array}{llll}0.137766 & 0.333697 & 0.651909 & 0.709143 \\ 0.134618 & 0.270548 & 0.698365 & 0.635313\end{array}$ $\begin{array}{lllll}0.134618 & 0.270548 & 0.698365 & 0.635313 \\ 0.139768 & 0.38192 & 0.725671 & 0.63301\end{array}$ $\begin{array}{lllll}0.135768 & 0.38192 & 0.725671 & 0.63301 \\ 0.168121 & 0.36959 & 1.063112 & 1.243994\end{array}$ $\begin{array}{lllll}0.089243 & 0.260714 & 0.65309 & 0.663478\end{array}$ 0.1056030 .4238720 .8301331 .209013
$\begin{array}{lllllllllllllllllllll}1000 & 840.3494 & 0.000383 & 0.057415 & 0.065311 & 0.041154 & 3.623085 & 3.701606 & 0.02284\end{array}$ $\begin{array}{llllllll}1000 & 1061.045 & 0.003464 & 0.071077 & 0.066098 & 0.080807 & 4.369445 & 3.86114\end{array} 0.00032056$ $\begin{array}{lllllllll}1000 & 915.0597 & 0.00626 & 0.074844 & 0.058606 & 0.083265 & 3.64233 & 4.01798 & 0.004182 \\ 1000 & 805.2487 & 0.006299 & 0.073032 & 0.072776 & 0.078774 & 3.965154 & 4.079849 & 0.00511\end{array}$ $\begin{array}{llllllllll}1000 & 784.7264 & 0.005287 & 0.081616 & 0.038562 & 0.051922 & 3.565576 & 3.521751 & 0.002491\end{array}$ $\begin{array}{llllllllll}1000 & 756.2541 & 0.006085 & 0.069283 & 0.064254 & 0.052317 & 3.554549 & 3.031669 & 0.004628\end{array}$ $\begin{array}{lllllllll}1000 & 1049.136 & 0.00736 & 0.10402 & 0.105341 & 0.0838843 & 4.595381 & 4.58908 & 0.008994\end{array}$ $\begin{array}{lllllllll}1000 & 1161.497 & 0.009502 & 0.118106 & 0.084861 & 0.086822 & 5.308292 & 4.725501 & 0.0004299 \\ 1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3257185 & 3833038 & 0.005326\end{array}$ $\begin{array}{lllllllll}1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3.257185 & 3.843038 & 0.005326 \\ 1000 & 915.8291 & 0.007943 & 0.06993 & 0.080999 & 0.09036 & 3.835892 & 4.223846 & 0.008767\end{array}$ $\begin{array}{lllllllll}1000 & 915.8255 & 0.007943 & 0.06993 & 0.080999 & 0.09076 & 3.835892 & 4.223846 & 0.008767 \\ 1000 & 976.8455 & 0.006504 & 0.101866 & 0.111171 & 0.079777 & 4.056693 & 4.131008 & 0.006966\end{array}$ $\begin{array}{llllllllll}1000 & 971.1109 & 0.005599 & 0.08445 & 0.089356 & 0.116674 & 3.899515 & 4.132749 & 0.005256\end{array}$ $\begin{array}{lllllllllll}1000 & 973.9524 & -0.00144 & 0.086831 & 0.099975 & 0.109076 & 4.746058 & 4.634094 & 0.005601\end{array}$ $\begin{array}{llllllllll}1000 & 871.2542 & 0.005707 & 0.081617 & 0.084865 & 0.091767 & 3.795049 & 3.931069 & 0.007233\end{array}$ $\begin{array}{lllllllllll}1000 & 769.8815 & 0.004008 & 0.094897 & 0.095265 & 0.08589 & 3.483721 & 3.731971 & 0.007819\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1087.01 & 0.009351 & 0.105956 & 0.087468 & 0.09178 & 3.881985 & 4.113441 & 0.007455 \\ 1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459 \\ 1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184\end{array}$ $\begin{array}{lllllllll}1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184 \\ 1000 & 1585.812 & 0.006972 & 0.109793 & 0.06852 & 0.112331 & 4.166565 & 4.054399 & 0.009787\end{array}$ $\begin{array}{lllllllllll}1000 & 669.7533 & 0.003889 & 0.090898 & 0.116451 & 0.105854 & 2.96478 & 3.005759 & 0.005712\end{array}$ $\begin{array}{lllllllll}1000 & 722.1542 & 0.006213 & 0.085484 & 0.062338 & 0.05342 & 3.380033 & 3.485522 & 0.006747\end{array}$ $\begin{array}{llllllll}1000 & 1017.45 & 0.005019 & 0.101303 & 0.063221 & 0.101846 & 4.198801 & 4.232066 \\ 0.0066436\end{array}$ $\begin{array}{lllllllll}1000 & 906.6995 & 0.006856 & 0.09953 & 0.106006 & 0.069929 & 3.702846 & 3.632989 & 0.010907\end{array}$ $\begin{array}{lllllllll}1000 & 861.3421 & 0.005527 & 0.084509 & 0.066461 & 0.069574 & 3.752558 & 3.261971 & 0.008241 \\ 1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.833342 & 3.956222 & 3.876826 & 0.007955\end{array}$ $\begin{array}{llllllll}1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.083342 & 3.956222 & 3.876826 \\ 10.007955 \\ 1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3567666\end{array}$ $\begin{array}{lllllllll}1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3.567666 & 0.005449 \\ 1000 & 1259.153 & 0.004301 & 0.085981 & 0.087286 & 0.094481 & 3.458067 & 4.621623 & 0.015092\end{array}$ $\begin{array}{lllllllllllll}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 & 0.007901\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 \\ 1000 & 985.29 & 0.007489 & 0.103127 & 0.12244 & 0.07221 & 3.652008 & 4.124948 \\ 0.010544\end{array}$ $\begin{array}{lllllllll}1000 & 1271.157 & 0.006054 & 0.102386 & 0.078339 & 0.087798 & 4.565835 & 4.936716 & 0.006229\end{array}$ $\begin{array}{lllllllll}1000 & 889.0004 & 0.005434 & 0.082683 & 0.082401 & 0.0877293 & 3.660402 & 4.141533 & 0.0093\end{array}$ $\begin{array}{llllllll}1000 & 827.6853 & 0.006054 & 0.07305 & 0.044586 & 0.059788 & 3.706969 & 3.819392\end{array} 0.0058233$ $\begin{array}{llllllll}1000 & 937.2945 & 0.008042 & 0.089423 & 0.054419 & 0.076084 & 4.096222 & 4.000774 \\ 0 & 0.007859\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1045.96 & 0.00779 & 0.070455 & 0.012365 & 0.060733 & 3.767958 & 3.66603 & 0.008326 \\ 1000 & 1212.542 & 0.009489 & 0.128837 & 0.09987 & 0.11521 & 5.148501 & 5.335056 & 0.015803\end{array}$ $\begin{array}{llllllllll}1000 & 901.0016 & 0.014762 & 0.087171 & 0.0979896 & 0.088232 & 3.744692 & 4.508962 & 0.011239\end{array}$ $\begin{array}{lllllllllll}1000 & 1041.753 & 0.008453 & 0.11327 & 0.069254 & 0.093831 & 3.878469 & 4.182264 & 0.010704\end{array}$ $\begin{array}{llllllllll}1000 & 828.9609 & 0.014728 & 0.083868 & 0.050257 & 0.049656 & 3.704146 & 3.957295 & 0.008278\end{array}$ $\begin{array}{lllllllll}1000 & 826.2644 & 0.013427 & 0.0722 & 0.087942 & 0.079845 & 4.020759 & 5.231754 & 0.01009\end{array}$ $\begin{array}{llllllllll}1000 & 1081.572 & 0.010193 & 0.106454 & 0.052125 & 0.077991 & 5.717274 & 4.325932 & 0.008534\end{array}$ $\begin{array}{lllllllll}1000 & 1158.809 & 0.012329 & 0.084835 & 0.098576 & 0.084475 & 4.699481 & 4.742884 & 0.01379\end{array}$ $\begin{array}{lllllllll}1000 & 988.9078 & 0.016678 & 0.074627 & 0.062399 & 0.080076 & 6.240697 & 5.281331 & 0.018293 \\ 1000 & 922.5537 & 0.009058 & 0.081265 & 0.041477 & 0.080484 & 3.695352 & 4.154507 & 0.004968\end{array}$
 $\begin{array}{lllllllll}1000 & 817.0579 & 0.010624 & 0.079742 & 0.089864 & 0.093718 & 4.073043 & 4.311346 & 0.008384\end{array}$ $\begin{array}{llllllllll}1000 & 1084.49 & 0.016402 & 0.072996 & 0.12106 & 0.079598 & 5.571624 & 4.230026 & 0.013644\end{array}$ $\begin{array}{llllllllll}1000 & 939.1421 & 0.011518 & 0.081843 & 0.087007 & 0.078445 & 3.872192 & 4.045657 & 0.014806\end{array}$ $\begin{array}{lllllllll}1000 & 1353.304 & 0.016413 & 0.128761 & 0.105702 & 0.121684 & 4.541174 & 5.740499 & 0.009451\end{array}$ $\begin{array}{llllllll}1000 & 8933.2644 & 0.012123 & 0.08505 & 0.090183 & 0.088859 & 3.445699 & 4.225009\end{array} 0.009967$ $\begin{array}{lllllllll}1000 & 812.2482 & 0.019665 & 0.11235 & 0.166888 & 0.121277 & 5.145005 & 4.401694 & 0.011258 \\ 1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055\end{array}$ $\begin{array}{lllllllll}1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055 \\ 1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158\end{array}$ $\begin{array}{lllllllll}1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158 \\ 1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876\end{array}$ $\begin{array}{lllllllll}1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876 \\ 1000 & 1422.214 & 0.029031 & 0.108416 & 0.142051 & 0.06573 & 4.848992 & 4.701888 & 0.020098\end{array}$ $\begin{array}{lllllllll}1000 & 1164.626 & 0.022369 & 0.118601 & 0.113708 & 0.120797 & 5.004748 & 5.414754 & 0.021783\end{array}$ $1000959.44930 .0276850 .1313640 .1294490 .1445655 . .9836945 .02498600 .019703$ $\begin{array}{lllllllll}1000 & 951.8791 & 0.022156 & 0.119238 & 0.096977 & 0.090578 & 4.009289 & 4.906479 & 0.013452 \\ 1000 & 1544424 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 665097 & 6.051457 & 0.012161\end{array}$ $\begin{array}{lllllllll}1000 & 1544.224 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 6.650997 & 6.051457 & 0.016161 \\ 1000 & 1034.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255\end{array}$ $\begin{array}{lllllllll}1000 & 10344.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255 \\ 1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863\end{array}$ $\begin{array}{lllllllll}1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863 \\ 1000 & 1007.007 & 0.024715 & 0.148499 & 0.159922 & 0.137078 & 5.169488 & 5.274469 & 0.011108\end{array}$ $\begin{array}{llllllllll}1000 & 995.3571 & 0.025366 & 0.157365 & 0.174694 & 0.157017 & 4.912779 & 5.573006 & 0.021975\end{array}$
 $\begin{array}{lllllllll}1000 & 1114.484 & 0.020506 & 0.15558 & 0.141491 & 0.13104 & 4.796965 & 5.131221 & 0.013824\end{array}$



| 0.070166 | 0.305322 | 0.637478 | 0.560187 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.100958 & 0.226672 & 0.62193 & 0.506074 \\ 0.115944 & 0.310525 & 0.659577 & 0.540391\end{array}$ $\begin{array}{llllll}0.172416 & 0.335122 & 0.646864 & 1.125561\end{array}$ $\begin{array}{llllll}0.099547 & 0.352427 & 1.232759 & 0.582476\end{array}$ $\begin{array}{llll}0.111246 & 0.268509 & 0.6444 & 0.73459\end{array}$ $\begin{array}{llll}0.081824 & 0.257021 & 0.682069 & 0.545541\end{array}$ $\begin{array}{llll}0.163624 & 0.323026 & 1.314208 & 0.644711\end{array}$ | 0.138836 | 0.279715 | 0.644183 | 0.74108 |
| :--- | :--- | :--- | :--- | $\begin{array}{llllll}0.206464 & 0.37894 & 0.803536 & 0.701444\end{array}$ $\begin{array}{llllll}0.178885 & 0.310916 & 0.797606 & 0.655694\end{array}$ $\begin{array}{llllll}0.169601 & 0.293206 & 0.892304 & 1.003422\end{array}$ $\begin{array}{lllllll}0.155052 & 0.366755 & 0.751608 & 0.758993\end{array}$ $\begin{array}{lllll}0.168676 & 0.375786 & 0.92122 & 1.088639\end{array}$ $\begin{array}{llll}0.174344 & 0.365233 & 0.870116 & 0.854656 \\ 0\end{array}$ $\begin{array}{llll}0.116114 & 0.211242 & 0.475684 & 0.51968\end{array}$ $\begin{array}{llll}0.166645 & 0.279274 & 0.693826 & 0.663499\end{array}$ 0.1875490 .2205240 .5220230 .794646 $\begin{array}{llllllll}0.265234 & 0.303693 & 0.819364 & 0.883433\end{array}$ $\begin{array}{lllll}0.269457 & 0.4522 & 1.031794 & 0.804736\end{array}$ 0.2835050 .2551730 .5405590 .850332 0.334958 0.340213 1.0999190 .892129 $\begin{array}{lllll}0.338785 & 0.441416 & 0.642605 & 0.562222\end{array}$ |  | 287615 | 0.307697 | 0.596099 | 0.507654 |
| :--- | :--- | :--- | :--- | :--- |
| .307946 | 0.360825 | 0.767901 | 0.791306 |  | $\begin{array}{lllll}0.227217 & 0.28317 & 1.077618 & 0.586499\end{array}$ $\begin{array}{llllll}0.224559 & 0.309 & 0.7441 & 0.553485\end{array}$ $\begin{array}{lllllll}0.231673 & 0.395289 & 0.779906 & 0.692405\end{array}$ 0.2652540 .3001110 .8441420 .952458 $\begin{array}{llll}0.312394 & 0.272555 & 0.650304 & 0.74038\end{array}$ 0.2146570 .2710260 .6628730 .9884355 $\begin{array}{lllll}0.349373 & 0.453222 & 1.092683 & 0.562615 \\ 0.443746 & 0.297024 & 0521814 & 0.69563\end{array}$ $\begin{array}{lllllllllll}0.347795 & 0.330737 & 0.767845 & 0.703116\end{array}$ $\begin{array}{lllll}0.31625 & 0.314294 & 1.262569 & 0.606719\end{array}$ $0.3199580 .272254 \quad 0.5002270 .562796$ $\begin{array}{llllll}0.352653 & 0.479601 & 1.072193 & 0.729182\end{array}$ $\begin{array}{llllll}0.429886 & 0.406837 & 0.632348 & 0.739743\end{array}$ $\begin{array}{lllll}0.330311 & 0.241416 & 0.906729 & 0.432265\end{array}$ 0.3694220 .3782990 .6173730 .675375 $\begin{array}{lllll}0.697981 & 0.341515 & 0.787835 & 0.662748\end{array}$ $\begin{array}{lllll}0.698007 & 0.323434 & 0.983805 & 0.74301\end{array}$ $\begin{array}{llllll}0.591063 & 0.414227 & 0.931748 & 0.696604\end{array}$ $\begin{array}{llllll}0.412555 & 0.393621 & 0.962502 & 0.70071\end{array}$ $\begin{array}{llll}0.2765 & 0.176714 & 0.464528 & 0.392168\end{array}$ 0.4183840 .31501600 .661350 .667308 $\begin{array}{llll}0.450904 & 0.405787 & 0.691612 & 0.672456\end{array}$ | 0.681547 | 0.458542 | 0.989446 | 1.00428 |
| :--- | :--- | :--- | :--- | :--- |
| .491515 | 0.334784 | 0.7966 | 0.586402 | $\begin{array}{llllll}0.522275 & 0.307988 & 0.790515 & 0.688409\end{array}$ 0.4619550 .3715720 .5989010 .828593 $\begin{array}{lllll}0.634461 & 0.366599 & 1.150138 & 1.463936\end{array}$ $\begin{array}{lllll}0.390051 & 0.316154 & 1.093359 & 0.92177\end{array}$ $\begin{array}{lllll}0.343635 & 0.245675 & 0.911538 & 0.538728\end{array}$ 0.4043940 .3121070 .61399900 .910773 | 0.373739 | 0.333742 | 1.115637 | 0.790886 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.393276 & 0.323386 & 0.971754 & 0.74599\end{array}$ $\begin{array}{lllll}0.325921 & 0.288428 & 0.42655 & 0.754845\end{array}$ $0.217109 \quad 0.2196750 .5015150 .394959$ $\begin{array}{lllll}0.338486 & 0.299064 & 0.79133 & 0.630918\end{array}$

$\begin{array}{lllllllll}1000 & 615.1407 & 0.005173 & 0.104665 & 0.115842 & 0.078526 & 3.261963 & 2.816708 & 0.008105\end{array}$ $\begin{array}{llllllll}1000 & 683.0143 & 0.014714 & 0.119487 & 0.141533 & 0.088757 & 3.600766 & 3.935939\end{array} 0.0009161$ $\begin{array}{lllllllll} & 1000 & 933.9332 & 0.010152 & 0.123231 & 0.094411 & 0.112329 & 3.34186 & 3.803757 \\ 1 & 0.0182 & 0.148082 & 0.145249 & 0.132783 & 4.66348 & 4.729982 & 0.01893\end{array}$ $\begin{array}{llllllllll}1000 & 1265.707 & 0.015255 & 0.125145 & 0.111909 & 0.092234 & 4.12627 & 4.686623 & 0.013789\end{array}$ $\begin{array}{lllllllll}1000 & 896.5135 & 0.013821 & 0.10678 & 0.0799911 & 0.10356 & 4.525468 & 5.297169 & 0.009909\end{array}$ $\begin{array}{lllllllll}1000 & 988.4561 & 0.01062 & 0.092842 & 0.089699 & 0.105178 & 4.011247 & 3.519359 & 0.011103 \\ 1000 & 1071.182 & 0.015113 & 0.135812 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167\end{array}$ $\begin{array}{lllllllll}1000 & 1071.182 & 0.015113 & 0.135512 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167 \\ 1000 & 924.7046 & 0.012635 & 0.144089 & 0.113338 & 0.082656 & 4.409304 & 3.874484 & 0.013439\end{array}$ $\begin{array}{lllllllll}1000 & 924.7046 & 0.012635 & 0.144089 & 0.103382 & 0.082656 & 4.409304 & 3.874484 & 0.013439 \\ 1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367\end{array}$ $\begin{array}{lllllllll}1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367 \\ 1000 & 1059.863 & 0.020231 & 0.201989 & 0.159248 & 0.175889 & 5.807578 & 4.945245 & 0.016828\end{array}$ $\begin{array}{lllllllllll}1000 & 805.272 & 0.013576 & 0.177161 & 0.107854 & 0.162546 & 4.801086 & 5.286248 & 0.01572\end{array}$ $\begin{array}{lllllllll}1000 & 999.8509 & 0.012219 & 0.145906 & 0.139009 & 0.138671 & 5.838568 & 4.411256 & 0.014307\end{array}$ $\begin{array}{lllllllll}1000 & 1030.448 & 0.015548 & 0.247645 & 0.155392 & 0.129167 & 5.398257 & 5.121953 & 0.011358\end{array}$ $\begin{array}{lllllllll}1000 & 994.0685 & 0.015578 & 0.162133 & 0.110847 & 0.125339 & 5.013065 & 4.599762 & 0.009997\end{array}$ $\begin{array}{lllllllll}1000 & 1042.028 & 0.015345 & 0.138331 & 0.117631 & 0.13371 & 4.382344 & 4.740095 & 0.013697\end{array}$ $\begin{array}{lllllllll}1000 & 1104.708 & 0.024211 & 0.133994 & 0.119808 & 0.091304 & 3.769654 & 3.533041 & 0.007442 \\ 1000 & 7197501\end{array}$ $\begin{array}{lllllllll}1000 & 719.7501 & 0.017032 & 0.152678 & 0.090131 & 0.132934 & 3.511273 & 3.788978 & 0.012755 \\ 1000 & 919.0552 & 0.017138 & 0.154127 & 0.121875 & 0.136508 & 4.320497 & 4.051453 & 0.01147\end{array}$ $\begin{array}{llllllllll}1000 & 1011.449 & 0.016863 & 0.172207 & 0.140587 & 0.119742 & 4.483319 & 4.10234 & 0.014101\end{array}$ $\begin{array}{llllllllll}1000 & 1089.502 & 0.017473 & 0.197778 & 0.193182 & 0.179687 & 4.260298 & 5.005731 & 0.00847\end{array}$ $\begin{array}{lllllllll}1000 & 1539.157 & 0.027772 & 0.251749 & 0.159774 & 0.220271 & 6.661555 & 5.459224 & 0.014243\end{array}$ $\begin{array}{lllllllll}1000 & 1000.147 & 0.018395 & 0.131447 & 0.130495 & 0.152198 & 6.005535 & 4.082518 & 0.0099704\end{array}$ $\begin{array}{llllllll}1000 & 888.9333 & 0.020262 & 0.15559 & 0.154505 & 0.135922 & 4.878716 & 4.762051\end{array} 0.0011244$ $\begin{array}{lllllllll}1000 & 998.5492 & 0.016868 & 0.175857 & 0.171536 & 0.152994 & 5.762313 & 5.255829 & 0.017725 \\ 1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648 \\ 1000 & 1074.347 & 0.014231 & 0.194372 & 0.101931 & 0.13507 & 5.949344 & 5.470627 & 0.019815\end{array}$ $\begin{array}{lllllllll}1000 & 1074.344 & 0.014231 & 0.194372 & 0.101931 & 0.13550 & 5.949344 & 5.470627 & 0.019815 \\ 1000 & 1551.844 & 0.017482 & 0.148345 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067\end{array}$ $\begin{array}{lllllllll}1000 & 15551.844 & 0.017482 & 0.14834 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067 \\ 1000 & 762.7059 & 0.00497 & 0.136231 & 0.0868444 & 0.122142 & 3.976746 & 3.746443 & 0.018388\end{array}$ $\begin{array}{lllllllll}1000 & 1077.447 & 0.013965 & 0.144608 & 0.180014 & 0.172167 & 4.426677 & 5.397274 & 0.017564\end{array}$ $\begin{array}{lllllllll}1000 & 1610.395 & 0.012975 & 0.187498 & 0.200675 & 0.126143 & 5.265085 & 5.119423 & 0.015833\end{array}$ $\begin{array}{lllllllll}1000 & 957.072 & 0.00963 & 0.123634 & 0.117203 & 0.118485 & 4.225857 & 3.810033 & 0.005605 \\ 1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919\end{array}$ $\begin{array}{lllllllll}1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919 \\ 1000 & 912.3527 & 0.009288 & 0.125501\end{array}$ $\begin{array}{llllllll}1000 & 912.3527 & 0.009288 & 0.125901 & 0.157881 & 0.130141 & 5.596311 & 5.064982\end{array} 0.017264$ $\begin{array}{lllllllll}1000 & 958.6201 & 0.007594 & 0.11839 & 0.171514 & 0.091561 & 5.01051 & 6.253751 & 0.012992\end{array}$ $\begin{array}{llllllllll}1000 & 1241.856 & 0.014024 & 0.134731 & 0.082505 & 0.090642 & 4.70376 & 4.510542 & 0.0010225\end{array}$ $\begin{array}{lllllllll}1000 & 723.9128 & 0.009811 & 0.084709 & 0.081842 & 0.107166 & 3.454398 & 3.45261 & 0.010362\end{array}$ $\begin{array}{lllllllll}1000 & 1036.759 & 0.013993 & 0.157663 & 0.168107 & 0.142096 & 5.859936 & 5.913273 & 0.015794\end{array}$ $\begin{array}{lllllllll}1000 & 1109.802 & 0.012283 & 0.175961 & 0.160656 & 0.128161 & 6.304868 & 5.169573 & 0.024931\end{array}$ $\begin{array}{lllllllll}1000 & 657.6888 & 0.008552 & 0.091616 & 0.097976 & 0.090784 & 4.07463 & 3.426213 & 0.010591 \\ 1000 & 7688.0823 & 0.014598 & 0.124463 & 0.153391 & 0.123681 & 4.325913 & 4.363612 & 0.013937\end{array}$ $\begin{array}{lllllllll}1000 & 768.0823 & 0.014598 & 0.124463 & 0.135391 & 0.123681 & 4.325913 & 4.366312 & 0.013937 \\ 1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806\end{array}$ $\begin{array}{lllllllll}1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806 \\ 1000 & 1015.129 & 0.017444 & 0.168599 & 0.085281 & 0.151438 & 4.892969 & 4.977255 & 0.020033\end{array}$ $\begin{array}{llllllllll}1000 & 1042.995 & 0.017137 & 0.168141 & 0.124127 & 0.126052 & 6.570883 & 5.973721 & 0.023642\end{array}$ $\begin{array}{lllllllll}1000 & 1081.528 & 0.017307 & 0.167908 & 0.114921 & 0.144144 & 5.910046 & 5.37411 & 0.0250991\end{array}$ $\begin{array}{lllllllll}1000 & 1158.966 & 0.010766 & 0.112212 & 0.095421 & 0.161049 & 4.138073 & 4.162919 & 0.012081\end{array}$ $\begin{array}{lllllllll}1000 & 521.8401 & 0.006478 & 0.084265 & 0.048416 & 0.061202 & 3.485362 & 4.318165 & 0.006773\end{array}$
 $\begin{array}{lllllllll}1000 & 1088.286 & 0.016968 & 0.140386 & 0.140649 & 0.124633 & 4.208166 & 4.632637 & 0.013193 \\ 1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501\end{array}$ $\begin{array}{lllllllll}1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501 \\ 1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 & 0.010625\end{array}$ $\begin{array}{llllllll}1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 \\ 1000 & 1214.488 & 0.021718 & 0.150671 & 0.13987 & 0.134859 & 4.319282 & 6.4252562 \\ 0.013424\end{array}$ $\begin{array}{llllllllll}1000 & 802.9925 & 0.012888 & 0.177304 & 0.12102 & 0.181405 & 4.622962 & 6.875247 & 0.020082\end{array}$ $\begin{array}{llllllllll}1000 & 1099.036 & 0.019158 & 0.170134 & 0.191411 & 0.16688 & 6.990077 & 5.074537 & 0.014335\end{array}$ $\begin{array}{lllllllll}1000 & 1447.803 & 0.016753 & 0.194759 & 0.188431 & 0.19061 & 6.788696 & 5.378928 & 0.026424\end{array}$ $\begin{array}{llllllllll}1000 & 866.7119 & 0.010962 & 0.114482 & 0.131219 & 0.122075 & 4.126844 & 3.781339 & 0.015625\end{array}$ $\begin{array}{lllllllll}1000 & 1285.837 & 0.016288 & 0.165102 & 0.18294 & 0.170753 & 4.655373 & 4.964436 & 0.019492\end{array}$ $\begin{array}{lllllllll}1000 & 850.7799 & 0.011107 & 0.176048 & 0.076377 & 0.154675 & 7.740666 & 5.513382 & 0.023468 \\ 1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.118826 & 6.777419 & 8.988642 & 0.024539\end{array}$ $\begin{array}{lllllllll}1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.178826 & 6.777419 & 8.988642 & 0.024539 \\ 1000 & 1125.395 & 0.009553 & 0.122341 & 0.128397 & 0.088883 & 5.384903 & 7.337034 & 0.020506\end{array}$ $\begin{array}{llllllllll}1000 & 639.4741 & 0.010489 & 0.114665 & 0.150231 & 0.095226 & 3.497213 & 4.559818 & 0.012779\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 762.3578 & 0.004854 & 0.105552 & 0.138384 & 0.082832 & 3.191831 & 3.345072 & 0.016113\end{array}$ $\begin{array}{llllllllll}1000 & 1000.711 & 0.009602 & 0.107549 & 0.185285 & 0.109455 & 4.381901 & 4.679184 & 0.013129\end{array}$


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$\begin{array}{lllll}0.405687 & 0.386892 & 1.15372 & 0.824328\end{array}$ $\begin{array}{llll}0.405687 & 0.386892 & 1.15372 & 0.824328 \\ 0.254905 & 0.324564 & 0.653603 & 0.768255 \\ & 0.377645 & 0.45 & 0.563\end{array}$ $\begin{array}{lllll}0.326498 & 0.420208 & 0.75263 & 0.574703\end{array}$ $\begin{array}{lllll}0.306806 & 0.440424 & 0.923341 & 0.963292\end{array}$ $\begin{array}{lllll}0.219761 & 0.33841 & 0.728601 & 0.746664\end{array}$ $\begin{array}{lllll}0.129884 & 0.307047 & 0.446992 & 0.477489\end{array}$ $\begin{array}{llll}0.163412 & 0.252977 \\ 0.55727878 & 0.621452\end{array}$ $\begin{array}{lllll}0.257217 & 0.359565 & 0.61576 & 1.348487 \\ & 0.2023 & 0.262589 & 0.761777 & 0.961287\end{array}$ $\begin{array}{llllll}0.339326 & 0.450002 & 0.650281 & 0.766609\end{array}$ $\begin{array}{llllll}0.321392 & 0.343236 & 0.779336 & 0.756268\end{array}$ $\begin{array}{lllll}0.328481 & 0.349371 & 0.80745 & 0.708801\end{array}$ $\begin{array}{llllll}0.279806 & 0.403248 & 0.834258 & 0.610594\end{array}$ $\begin{array}{lllll}0.418049 & 0.329833 & 0.663175 & 0.613753\end{array}$ $\begin{array}{lllll}0.210771 & 0.222184 & 0.540472 & 0.540489\end{array}$ $\begin{array}{llll}0.255822 & 0.444036 & 0.625497 & 2.287415 \\ & 0.27198\end{array}$ $\begin{array}{lllll}0.21988 \\ 0.223117 & 0.36795 & 1.143577 & 0.8348655\end{array}$ 0.1281020 .2129030 .4526720 .556213 $\begin{array}{lllll}0.149937 & 0.275508 & 0.927598 & 0.919326\end{array}$ $\begin{array}{llll}0.093123 & 0.270913 & 0.850573 & 0.556849\end{array}$ $\begin{array}{llllll}0.168277 & 0.303743 & 0.773384 & 0.493693\end{array}$ $\begin{array}{lllll}0.119381 & 0.375062 & 0.720864 & 0.806443\end{array}$ $\begin{array}{llll}0.193045 & 0.398649 & 1.21424 & 1.002309\end{array}$ $\begin{array}{lllll}0.14185 & 0.405361 & 1.016439 & 0.907663 \\ 0.150461 & 0.315199 & 0.581857 & 0.788913\end{array}$ $\begin{array}{lllll}0.126206 & 0.365832 & 1.546331 & 0.758583 \\ 0.126813\end{array}$ $\begin{array}{lllll}0.074547 & 0.358222 & 0.91506 & 0.751424\end{array}$ $\begin{array}{llll}0.092751 & 0.285655 & 0.903391 & 0.707807\end{array}$ $\begin{array}{lllll}0.229485 & 0.545259 & 0.837998 & 0.847867\end{array}$ $\begin{array}{llll}0.347049 & 0.365594 & 0.814738 & 0.699417 \\ 0.0187053 & 0.295857\end{array}$ $\begin{array}{llll}0.187053 & 0.296857 & 1.120547 & 0.662537\end{array}$ $\begin{array}{llll}0.355304 & 0.482304 & 1.617459 & 1.671062 \\ 0.299733 & 0.420282 & 1.287999 & 0.666375\end{array}$ $\begin{array}{lllll}0.375853 & 0.33679 & 0.851748 & 1.046033\end{array}$ $\begin{array}{lllll}0.307724 & 0.528537 & 0.856405 & 1.062011\end{array}$ $\begin{array}{lllll}0.265932 & 0.445146 & 0.810333 & 0.59214\end{array}$ $\begin{array}{llll}0.300383 & 0.308261 & 1.084016 & 0.690203\end{array}$ $\begin{array}{llll}0.241777 & 0.330983 & 0.927533 & 0.73873\end{array}$ $\begin{array}{llll}0.213897 & 0.362781 & 0.650527 & 0.883652\end{array}$ $\begin{array}{llll}0.236495 & 0.355602 & 0.92921 & 1.162252 \\ 0.279628 & 0.589427 & 1.556525 & 0.796985\end{array}$ $\begin{array}{lllll}0.279628 & 0.589427 & 1.556525 & 0.796985 \\ 0.357886 & 0.45674 & 1.253068 & 0.94343\end{array}$ $\begin{array}{llll}0.248151 & 0.422981 & 0.900983 & 1.185943\end{array}$ $\begin{array}{llll}0.230579 & 0.418428 & 0.975372 & 1.10013\end{array}$ 0.3079780 .4997640 .6807140 .927593 $\begin{array}{lllll}0.299619 & 0.454852 & 1.127011 & 0.675554\end{array}$ $\begin{array}{lllll}0.419069 & 0.396086 & 0.781791 & 0.676771\end{array}$ $\begin{array}{llll}0.533663 & 0.412949 & 1.011379 & 0.720694\end{array}$ $\begin{array}{lllll}0.26172 & 0.427589 & 0.730171 & 0.751385 \\ 0.27719 & 0.375524 & 0.783687 & 0.693326\end{array}$ $\begin{array}{lllll}0.213461 & 0.351117 & 0.65426 & 0.572119\end{array}$ $\begin{array}{lllll}0.35723 & 0.430449 & 0.817973 & 0.685635\end{array}$ $\begin{array}{lllll}0.205824 & 0.336146 & 1.263542 & 0.794692\end{array}$ $\begin{array}{lllll}0.188362 & 0.282918 & 0.759685 & 0.913846\end{array}$ $\begin{array}{llll}0.25332 & 0.463461 & 0.809973 & 0.779689\end{array}$ | 0.21322 | 0.36927 | 0.79205 | 0.64039 |
| :--- | :--- | :--- | :--- |
| 0.15824 | 0.3107 |  |  | $\begin{array}{llll}0.168424 & 0.31107 & 0.616793 & 0.563946 \\ 0.195126 & 0.439694 & 0.657592 & 0.964206\end{array}$ $\begin{array}{lllll}0.154588 & 0.325809 & 0.75316 & 0.576467\end{array}$ $\begin{array}{lllll}0.289561 & 0.411948 & 1.040791 & 1.232496\end{array}$ $\begin{array}{llllll}0.221283 & 0.37144 & 0.713211 & 0.69551\end{array}$ 0.1871180 .3661720 .6396760 .883783


$\begin{array}{llllllllll}1000 & 1396.953 & 0.008293 & 0.148664 & 0.137964 & 0.122325 & 5.673182 & 5.963023 & 0.018599\end{array}$ $\begin{array}{lllllllll}100 & 793.7691 & 0.007095 & 0.1116348 & 0.171728 & 0.104937 & 4.877611 & 6.960961 & 0.01263 \\ 1000 & 968.4998 & 0.004942 & 0.13074 & 0.11244 & 0.132204 & 3.861344 & 4.720961 & 0.01529\end{array}$ $\begin{array}{lllllllll}1000 & 968.4498 & 0.004942 & 0.136074 & 0.111244 & 0.132204 & 3.861344 & 4.720961 & 0.015297 \\ 1000 & 1100.307 & 0.002963 & 0.135981 & 0.142341 & 0.169841 & 5.220472 & 6.180301 & 0.026145\end{array}$ $\begin{array}{lllllllll}1000 & 1370.139 & 0.008287 & 0.179396 & 0.157621 & 0.178305 & 5.202132 & 5.672738 & 0.019261\end{array}$ $\begin{array}{llllllllll}1000 & 1353.605 & 0.01027 & 0.166082 & 0.196931 & 0.151571 & 5.622929 & 4.885601 & 0.016327\end{array}$ $\begin{array}{lllllllll}1000 & 676.3096 & 0.004639 & 0.1234 & 0.071031 & 0.116079 & 2.987049 & 3.331499 & 0.01233\end{array}$ $\begin{array}{lllllllll}1000 & 684.8687 & 0.004842 & 0.101404 & 0.112086 & 0.108069 & 3.633289 & 3.9304949 & 0.012021 \\ 1000 & 1349.403 & 0.002964 & 0.170346 & 0.164263 & 0.119742 & 6.413787 & 5.289474 & 0.015061\end{array}$ | 1000 | 1349.403 | 0.002964 | 0.170346 | 0.164263 | 0.169742 | 6.413787 | 5.284974 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1152.06 | 0.006012061 | 0.136182 | 0.134198 | 0.117067 | 4.798683 | 5.563818 | $\begin{array}{lllllllll}1000 & 1452.05 & 0.006012 & 0.136182 & 0.134198 & 0.11706 & 4.798683 & 5.563818 & 0.019159 \\ 1000 & 1423.257 & 0.009892 & 0.157379 & 0.11423 & 0.146738 & 4.850453 & 4.691174 & 0.016084\end{array}$ $\begin{array}{llllllllll}1000 & 1500.697 & 0.007537 & 0.13057 & 0.171945 & 0.131478 & 5.134288 & 4.951768 & 0.014899\end{array}$ $\begin{array}{lllllllll}1000 & 1500.657 & 0.007737 & 0.13057 & 0.117934 & 0.131448 & 5.134288 & 4.951768 & 0.014899 \\ 1000 & 1104.585 & 0.007528 & 0.110404 & 0.097738 & 0.109681 & 5.120284 & 4.585277 & 0.013557\end{array}$ $\begin{array}{lllllllll}1000 & 11045.5353 & 0.01241 & 0.137954 & 0.094807 & 0.106331 & 4.962931 & 5.4955731 & 0.0092857 \\ 1000 & 1085 & 0.120857\end{array}$ $\begin{array}{lllllllll}1000 & 1307.403 & 0.011073 & 0.128277 & 0.157221 & 0.110298 & 5.048947 & 5.510477 & 0.016532\end{array}$ $\begin{array}{llllllllll}1000 & 857.1596 & 0.008069 & 0.110863 & 0.099876 & 0.132145 & 4.394766 & 4.106075 & 0.009544\end{array}$ $\begin{array}{lllllllll}1000 & 871.2658 & 0.008775 & 0.148424 & 0.163926 & 0.126874 & 5.555129 & 4.962407 & 0.023431 \\ 1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834 \\ 1000 & 1077.99 & 0.016428 & 0.198821 & 0.215849 & 0.194705 & 5.1344 & 5.690352 & 0.01654\end{array}$ $\begin{array}{lllllllllllll}1000 & 580.8152 & 0.011281 & 0.133371 & 0.089107 & 0.123339 & 4.378684 & 3.56751 & 0.010478\end{array}$ $\begin{array}{lllllllll}1000 & 790.3351 & 0.010665 & 0.160248 & 0.157756 & 0.163659 & 5.701389 & 4.086713 & 0.02173\end{array}$ $\begin{array}{lllllllll}1000 & 524.165 & 0.010432 & 0.148467 & 0.087688 & 0.10329 & 3.470764 & 3.370482 & 0.009207\end{array}$ $\begin{array}{lllllllll}1000 & 866.3908 & 0.01401 & 0.165108 & 0.189257 & 0.175216 & 3.628515 & 3.174641 & 0.015814\end{array}$ $\begin{array}{lllllllll}1000 & 1054.802 & 0.013551 & 0.130551 & 0.118246 & 0.140189 & 4.411737 & 5.020302 & 0.01316 \\ 1000 & 1337326 & 017093 & 0.107956 & 0.10563 & 0.14469 & 5302916 & 5.230873 & 0.015513\end{array}$ $\begin{array}{lllllllll}1000 & 1337.326 & 0.017093 & 0.207956 & 0.105633 & 0.144696 & 5.302916 & 5.230873 & 0.015513 \\ 1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605\end{array}$ $\begin{array}{lllllllll}1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605 \\ 1000 & 824.1597 & 0.005494 & 0.14539 & 0.101517 & 0.099527 & 4.242573 & 3.941077 & 0.012853\end{array}$ $\begin{array}{llllllllllll}1000 & 891.1662 & 0.006204 & 0.152089 & 0.142353 & 0.132167 & 4.385448 & 5.096825 & 0.016489\end{array}$ $\begin{array}{llllllllll}1000 & 947.4673 & 0.005252 & 0.187601 & 0.155194 & 0.173242 & 4.544169 & 4.154008 & 0.016336\end{array}$ $\begin{array}{llllllllll}1000 & 1182.27 & 0.008025 & 0.183056 & 0.143877 & 0.157736 & 4.071976 & 4.444731 & 0.010207\end{array}$ $\begin{array}{lllllllll}1000 & 1090.319 & 0.006033 & 0.168922 & 0.232359 & 0.172156 & 5.64255 & 5.252416 & 0.021547\end{array}$ $\begin{array}{lllllllll}1000 & 1046.382 & 0.011817 & 0.165942 & 0.125884 & 0.159817 & 6.115659 & 6.017204 & 0.011237 \\ 1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5020828 & 4.34651 & 0.00865\end{array}$ $\begin{array}{llllllll}1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5.029828 & 4.348651\end{array} 0.009865$ $\begin{array}{llllllll}1000 & 910.5936 & 0.008477 & 0.126121 & 0.208892 & 0.153797 & 5.280407 & 5.271385 \\ 1000 & 894.2576 & 0.012416 & 0.155286 & 0.167415 & 0.09872 & 5.384546 & 4.599106 \\ 0.010837\end{array}$ $\begin{array}{llllllllll}1000 & 1161.576 & 0.021837 & 0.165211 & 0.204631 & 0.153049 & 5.502131 & 6.942604 & 0.0155\end{array}$ $\begin{array}{llllllllll}1000 & 1196.84 & 0.00853 & 0.180528 & 0.174252 & 0.148296 & 6.423038 & 7.013416 & 0.016399\end{array}$ $\begin{array}{llllllllll}1000 & 1286.995 & 0.015045 & 0.138015 & 0.133477 & 0.139397 & 5.365532 & 4.566677 & 0.011531\end{array}$ $\begin{array}{llllllllll}1000 & 699.1323 & 0.013264 & 0.129587 & 0.136581 & 0.098161 & 4.70075 & 4.860768 & 0.014294\end{array}$ $\begin{array}{lllllllll}1000 & 836.5271 & 0.018104 & 0.15773 & 0.129594 & 0.134831 & 4.448758 & 5.676407 & 0.009528\end{array}$ $\begin{array}{lllllllll}1000 & 772.0621 & 0.013847 & 0.123137 & 0.094693 & 0.109373 & 4.020572 & 3.621689 & 0.017393 \\ 1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 565793 & 8.294556 & 0.019131\end{array}$ $\begin{array}{lllllllll}1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 5.65793 & 8.294556 & 0.019131 \\ 1000 & 923.4622 & 0.01562 & 0.266229 & 0.336533 & 0.265697 & 7.073136 & 5.926424 & 0.019974\end{array}$ $\begin{array}{lllllllllll}1000 & 1017.646 & 0.020249 & 0.312863 & 0.27448 & 0.305615 & 7.498768 & 6.780234 & 0.0277708\end{array}$ $\begin{array}{lllllllllllll}1000 & 906.3254 & 0.018548 & 0.297953 & 0.227418 & 0.227408 & 5.66481 & 6.445643 & 0.022894\end{array}$ $\begin{array}{lllllllll}1000 & 1323.342 & 0.019382 & 0.166497 & 0.14989 & 0.153628 & 5.002878 & 4.530529 & 0.016203\end{array}$ $\begin{array}{lllllllll}1000 & 1118.386 & 0.010922 & 0.202227 & 0.160065 & 0.124908 & 5.352393 & 4.782177 & 0.014607\end{array}$ $\begin{array}{lllllllll}1000 & 1162.582 & 0.014096 & 0.175622 & 0.087728 & 0.106742 & 6.380501 & 5.185586 & 0.014373\end{array}$ $\begin{array}{llllllll}1000 & 887.0313 & 0.00773 & 0.100769 & 0.109567 & 0.120941 & 6.165185 & 4.693691 \\ 10.011273\end{array}$ $\begin{array}{lllllllll}1000 & 11771.926 & 0.017691 & 0.136582 & 0.121923 & 0.203328 & 7.656832 & 5.460789 & 0.012244\end{array}$ $\begin{array}{lllllllll}1000 & 918.2899 & 0.010107 & 0.155428 & 0.094538 & 0.104246 & 6.098693 & 5.310121 & 0.013884 \\ 1000 & 1088.781 & 0.014522 & 0.161658 & 0.193422 & 0.149812 & 4.736032 & 4.697954 & 0.013322\end{array}$ $\begin{array}{lllllllll}1000 & 718.9957 & 0.009876 & 0.11251 & 0.108811 & 0.126733 & 3.83229 & 3.727693 & 0.015395\end{array}$ $\begin{array}{lllllllll}1000 & 929.8775 & 0.016673 & 0.14438 & 0.074312 & 0.127153 & 5.672222 & 4.96006 & 0.023987\end{array}$ $\begin{array}{lllllllll}1000 & 1014.914 & 0.009563 & 0.13228 & 0.132685 & 0.111695 & 5.165994 & 5.22949 & 0.013514\end{array}$ $\begin{array}{lllllllll}1000 & 1128.354 & 0.010943 & 0.118443 & 0.039527 & 0.072916 & 3.577841 & 4.083905 & 0.008634\end{array}$ $\begin{array}{lllllllll}1000 & 802.1751 & 0.015721 & 0.126486 & 0.046937 & 0.10022 & 4.733112 & 4.877326 & 0.009877\end{array}$ $\begin{array}{lllllllll}1000 & 883.755 & 0.010369 & 0.104947 & 0.067964 & 0.106296 & 5.491923 & 4.814622 & 0.011346 \\ 1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.52754 & 3.61118 & 0.011154\end{array}$ $\begin{array}{rrrrrrrr}1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.652754 & 3.61118 \\ 1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509\end{array}$ $\begin{array}{lllllllll}1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509 & 0.01139 \\ 1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222\end{array}$ $\begin{array}{lllllllll}1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222 \\ 1000 & 1159.175 & 0.009997 & 0.170992 & 0.175532 & 0.19318 & 8.544723 & 6.156318 & 0.020464\end{array}$ $\begin{array}{llllllllll}1000 & 661.964 & 0.010609 & 0.113436 & 0.107985 & 0.083482 & 4.501985 & 4.064206 & 0.008959\end{array}$ $\begin{array}{lllllllllll}1000 & 1696.82 & 0.007692 & 0.12611 & 0.087909 & 0.100957 & 4.482484 & 4.41486 & 0.014907\end{array}$






$0.0875950 .4058470 .449683 \quad 0.264282$ $\begin{array}{llll}0.029256 & 0.331626 & 0.327032 & 0.3642822 \\ 0 & 0.3025939 & 0.39526 & 0.28514 \\ 0 & 0.221159\end{array}$ $\begin{array}{llllll}0.083242 & 0.398726 & 0.273288 & 0.299204\end{array}$ $\begin{array}{lllllllll}0.024962 & 0.414271 & 0.277788 & 0.300645\end{array}$ $\begin{array}{lllll}0.024101 & 0.637263 & 0.47401 & 0.302946\end{array}$ $\begin{array}{lllll}0.031129 & 0.475691 & 0.454005 & 0.455832\end{array}$ $\begin{array}{lllll}0.026783 & 0.502601 & 0.688304 & 0.487624\end{array}$ $\begin{array}{llll}0.016026 & 0.417348 & 0.461625 & 0.34541\end{array}$ $\begin{array}{lllll}0.01584 & 0.595857 & 0.363574 & 0.371657\end{array}$ $\begin{array}{lllll}0.016442 & 0.511243 & 0.366694 & 0.431415\end{array}$ $\begin{array}{lllll}0.022771 & 0.560009 & 0.36116 & 0.300418\end{array}$ $\begin{array}{lllll}-0.00181 & 0.278995 & 0.152558 & 0.228715\end{array}$ $\begin{array}{llllll}0.037036 & 0.416284 & 0.43189 & 0.340545\end{array}$ $\begin{array}{llll}0.056096 & 0.590361 & 0.321428 & 0.327246\end{array}$ $\begin{array}{lllll}0.066682 & 0.402714 & 0.367376 & 0.333148 \\ 0.055372 & 0.335946 & 0.34688 & 0.3738\end{array}$ $\begin{array}{lllll}0.025431 & 0.317941 & 0.326481 & 0.282297\end{array}$ $\begin{array}{lllll}0.070926 & 0.36946 & 0.526174 & 0.33899\end{array}$ $\begin{array}{llll}0.039191 & 0.340965 & 0.406275 & 0.338302\end{array}$ $\begin{array}{lllll}0.030461 & 0.317916 & 0.511366 & 0.428591\end{array}$ $\begin{array}{lllllllllll}0.062607 & 0.311958 & 0.337687 & 0.538769\end{array}$ $\begin{array}{lllllll}0.032066 & 0.287187 & 0.481756 & 0.348492\end{array}$ $\begin{array}{llll}0.036277 & 0.283068 & 0.386427 & 0.349183 \\ 0 & 073398 & 0.282533 & 0.36338\end{array} 0.44472$ $\begin{array}{lllll}0.0757444 & 0.2987763 & 0.479931 & 0.4244723\end{array}$ 0.0625860 .3360040 .3987690 .390621 $\begin{array}{lllll}0.075914 & 0.443215 & 0.402478 & 0.302677\end{array}$ 0.0629290 .4236460 .5362920 .440613 $\begin{array}{llllll}0.065486 & 0.316571 & 0.333701 & 0.298644\end{array}$ $\begin{array}{llllll}0.03811 & 0.406626 & 0.258337 & 0.285738\end{array}$ | 0.082565 | 0.431762 | 0.482743 | 0.420908 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.05059 & 0.325683 & 0.311208 & 0.359414\end{array}$ $\begin{array}{llllll}0.046687 & 0.336805 & 0.471117 & 0.387172\end{array}$ $\begin{array}{lllll}0.068573 & 0.359055 & 0.400684 & 0.50483\end{array}$ $\begin{array}{llllll}0.047461 & 0.239135 & 0.352306 & 0.262261\end{array}$ $\begin{array}{llllll}0.062438 & 0.300024 & 0.295868 & 0.278575\end{array}$ $\begin{array}{lllllllll}0.075821 & 0.372331 & 0.311054 & 0.317962\end{array}$ $\begin{array}{lllll}0.022507 & 0.296813 & 0.324508 & 0.309801\end{array}$ $\begin{array}{lllll}0.038045 & 0.301197 & 0.366847 & 0.368068\end{array}$ $\begin{array}{llllll}0.060161 & 0.339784 & 0.318093 & 0.349949\end{array}$ $\begin{array}{llllll}0.013656 & 0.304107 & 0.381596 & 0.268879\end{array}$ $\begin{array}{lllll}0.02656 & 0.176647 & 0.242548 & 0.265977\end{array}$ $\begin{array}{lllllllllll}0.042183 & 0.354027 & 0.31759 & 0.288572\end{array}$ $\begin{array}{lllllll}0.045205 & 0.356506 & 0.361358 & 0.50397\end{array}$ $\begin{array}{llll}0.036283 & 0.235671 & 0.292772 & 0.350181\end{array}$ $\begin{array}{llll}0.046684 & 0.327624 & 0.373182 & 0.269085\end{array}$

 $\begin{array}{lllll}0.0614 & 0.331737 & 0.43617 & 0.44657\end{array}$ $\begin{array}{lllll}0.061675 & 0.240624 & 0.287804 & 0.25425\end{array}$ $\begin{array}{llllll}0.030204 & 0.349603 & 0.367952 & 0.294501\end{array}$ $\begin{array}{llllllllllll}0.026809 & 0.161671 & 0.262642 & 0.249738\end{array}$ $\begin{array}{lllll}0.050591 & 0.386268 & 0.366269 & 0.329109\end{array}$ $\begin{array}{llll}0.32571 & 0.269532 & 0.3545450 & 0.317413\end{array}$ | 0.062954 | 0.307232 | 0.392339 | 0.288171 |
| :--- | :--- | :--- | :--- |
| 041588 | 0.376736 | 0.38886 | 0.301815 | $\begin{array}{lllll}0.050636 & 0.318716 & 0.308728 & 0.365687\end{array}$ $\begin{array}{lllll}0.051319 & 0.345848 & 0.303868 & 0.354974\end{array}$ $\begin{array}{llllll}0.042759 & 0.346495 & 0.262264 & 0.327719\end{array}$ 0.0214620 .3292720 .373580 .319241

$\begin{array}{lllllllll}1000 & 1018.507 & 0.005875 & 0.058693 & 0.075806 & 0.064953 & 4.175173 & 3.747122 & 0.004285\end{array}$ $\begin{array}{llllllll}1000 & 1022.548 & 0.0077108 & 0.043137 & 0.052523 & 0.030083 & 3.333266 & 3.767521\end{array} 0.0003768$ $\begin{array}{lllllllll}1000 & 972.087 & 0.00592 & 0.053617 & 0.045768 & 0.056232 & 4.012782 & 3.42573 & 0.00369 \\ 1000 & 996.1152 & 0.007287 & 0.049924 & 0.00617 & 0.023883 & 3.819858 & 3.433025 & 0.000697\end{array}$ $\begin{array}{llllllllll}1000 & 893.2013 & 0.012278 & 0.037463 & 0.023879 & 0.037625 & 3.255102 & 3.511555 & 0.004732\end{array}$ $\begin{array}{lllllllll}1000 & 1100.671 & 0.010536 & 0.05006 & 0.018163 & 0.040932 & 3.896906 & 4.028722 & 0.003854\end{array}$ $\begin{array}{lllllllll}1000 & 1426.013 & 0.004975 & 0.024447 & 0.026337 & 0.039196 & 4.334701 & 4.339855 & 0.005358 \\ 1000 & 1111.85 & 0.006847 & 0.047995 & 0.035628 & 0.034278 & 4.655726 & 4.644049 & 0.000188\end{array}$ $\begin{array}{llllllll}1000 & 1111.85 & 0.006847 & 0.0404795 & 0.035628 & 0.0342788 & 4.655726 & 4.644049 \\ 1000 & 0.000188 \\ 1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4220661 & 4.258551\end{array}$ $\begin{array}{llllllll}1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4.220611 & 4.258551 \\ 1000 & 845.8845 & 0.00895 & 0.033799 & 0.000313 & 0.012754 & 3.721676 & 3.863423 \\ 0.001875\end{array}$ $\begin{array}{llllllllllll}1000 & 1233.734 & 0.00476 & 0.032166 & 0.020646 & 0.065313 & 5.73997 & 4.797446 & 0.002595\end{array}$ $\begin{array}{llllllllllllllll}1000 & 826.2289 & 0.002297 & 0.031661 & 0.03231 & 0.012819 & 3.883105 & 4.029032 & 0.003464\end{array}$ $\begin{array}{llllllllll}1000 & 1007.966 & 0.001556 & 0.057579 & 0.00036 & 0.047086 & 3.78389 & 4.405332 & 0.006114\end{array}$ $\begin{array}{lllllllll}1000 & 618.73 & 0.00142 & 0.028018 & 0.034015 & 0.035073 & 2.404641 & 2.685501 & 0.004986\end{array}$ $\begin{array}{lllllllll}1000 & 1255.774 & 0.008326 & 0.06563 & 0.094827 & 0.044561 & 4.542364 & 4.61628 & 0.01218\end{array}$ $\begin{array}{lllllllll}1000 & 894.2564 & 0.009751 & 0.060488 & 0.041388 & 0.042053 & 3.842731 & 3.922405 & 0.00515 \\ 1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 975.6827 & 0.002637 & 0.047277 & 0.043161 & 0.055369 & 2.813435 & 2.605905 & 0.0099427\end{array}$ $1000 \quad 906.2528 \quad 0.0108120 .0773330 .0668020 .06819543 .306129 \begin{array}{lllll}3.537613 & 0.004228\end{array}$ $\begin{array}{lllllllll}1000 & 718.523 & 0.005493 & 0.056599 & 0.06145 & 0.069507 & 3.003796 & 3.512904 & 0.005156\end{array}$ $\begin{array}{lllllllll}1000 & 1033.648 & 0.009103 & 0.081336 & 0.187333 & 0.043883 & 3.656527 & 3.623245 & 0.0004061\end{array}$ $\begin{array}{llllllllll}1000 & 780.9178 & 0.012286 & 0.060003 & 0.084485 & 0.059665 & 3.3777035 & 3.302077 & 0.004968\end{array}$ $\begin{array}{lllllllll}1000 & 842.8682 & 0.000464 & 0.052215 & 0.049503 & 0.049789 & 2.771971 & 3.191253 & 0.003198 \\ 1000 & 9355.8288 & 0.006145 & 0.061867 & 0.06713 & 0.075406 & 4057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{lllllllll}000 & 935.8288 & 0.006145 & 0.061867 & 0.067133 & 0.075406 & 4.057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{llllllllll}1000 & 1060.426 & 0.010995 & 0.076903 & 0.052331 & 0.055976 & 3.572116 & 3.59736 & 0.004299 \\ 1000 & 940.83 & 0.008899 & 0.087587 & 0.032602 & 0.075156 & 3.181318 & 3.848753 & 0.006819\end{array}$ $\begin{array}{lllllllll}1000 & 866.642 & 0.007158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.642 & 0.0071158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306 \\ 1000 & 947.9187 & 0.0094 & 0.105472 & 0.071893 & 0.062698 & 3.586713 & 3.482639 & 0.006033\end{array}$ $\begin{array}{lllllllll} & 1021.53 & 0.01418 & 0.092534 & 0.009954 & 0.0072309 & 4.07674631 & 3.482639 & 0.006033 \\ 1000 & 10276275 & 0.00553\end{array}$
 $\begin{array}{llllllll}1000 & 773.2339 & 0.010352 & 0.065359 & 0.046579 & 0.0756608 & 3.391013 & 2.98869 \\ 10.005462 \\ 1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912\end{array}$ $\begin{array}{lllllllll}1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912 & 0.009527 \\ 1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.26211 & 3.072142 & 0.006848\end{array}$ $\begin{array}{lllllllll}1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.262211 & 3.072142 & 0.006842 \\ 1000 & 844.5102 & 0.007143 & 0.072032 & 0.06554 & 0.066144 & 3.403397 & 2.969735 & 0.005088\end{array}$ $\begin{array}{lllllllll}1000 & 1078.876 & 0.01397 & 0.106231 & 0.106723 & 0.075172 & 3.413149 & 3.375104 & 0.002884\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404 \\ 1000 & 871.76 & 0.011003 & 0.056613 & 0.059391 & 0.057707 & 3.12075 & 3.17915 & 0.005767\end{array}$ $\begin{array}{llllllllll}1000 & 1033.756 & 0.010924 & 0.067909 & 0.068487 & 0.056435 & 3.233753 & 3.633045 & 0.002482\end{array}$

 $\begin{array}{lllllllll}1000 & 1327.824 & 0.011949 & 0.074666 & 0.039813 & 0.076423 & 3.150242 & 3.217665 & 0.008879\end{array}$ \begin{tabular}{lllllllll}
1000 \& 1211.923 \& 0.017124 \& 0.084806 \& 0.098049 \& 0.074715 \& 3.371931 \& 3.968405 \& 0.004488 <br>
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 $\begin{array}{lllllllll}1000 & 1921.122 & 0.009456 & 0.0965 & 0.136825 & 0.077847 & 3.377593 & 3.93396 & 0.002809 \\ 1000 & 1127.238 & 0.014476 & 0.08138 & 0.13867 & 0.089202 & 3.31681 & 3.734356 & 0.007819\end{array}$ $\begin{array}{llllllllll}1000 & 1015.557 & 0.00919 & 0.094485 & 0.11607 & 0.072413 & 3.216633 & 3.412717 & 0.002491\end{array}$ $\begin{array}{lllllllll}1000 & 1215.857 & 0.00919 & 0.094485 & 0.1667 & 0.072413 & 3.216633 & 3.412717 & 0.002491 \\ 1000 & 757.9824 & 0.005248 & 0.03985 & 0.061374 & 0.057828 & 2.682081 & 2.839498 & 0.001929\end{array}$ $\begin{array}{lllllllll}1000 & 1154.905 & 0.010355 & 0.079849 & 0.042578 & 0.05797 & 3.070056 & 2.969252 & 0.0002967\end{array}$ $\begin{array}{lllllllll}1000 & 1003.121 & 0.0085 & 0.060064 & 0.090892 & 0.05606 & 3.430117 & 3.459236 & 0.003179\end{array}$ $\begin{array}{lllllllll}1000 & 1124.964 & 0.00461 & 0.078437 & 0.043257 & 0.070388 & 3.193118 & 3.313862 & 0.005383 \\ 1000 & 1454.436 & 0.008063 & 0.0532525 & 0.06465 & 0.075424 & 3.724503 & 3.638949 & 0.000187\end{array}$ 

\hline 000 \& 1454.536 \& 0.008063 \& 0.053252 \& 0.06465 \& 0.075424 \& 3.724503 \& 3.638944 \& 0.000187 <br>
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\end{tabular} $\begin{array}{lllllllll}000 & 1002.82 & 0.007827 & 0.055483 & 0.068434 & 0.064712 & 3.386305 & 3.481609 & 0.002185 \\ 1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552\end{array}$ $\begin{array}{lllllllll}1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552 \\ 1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377 \\ 1000 & 801.04 & 0.006895 & 0.042806 & 0.014662 & 0.059709 & 2.710409 & 3.348897 & 0.001421\end{array}$ $\begin{array}{lllllllll}1000 & 1216.442 & 0.01154 & 0.053901 & 0.074537 & 0.035734 & 3.529982 & 3.239082 & 0.004214\end{array}$ $\begin{array}{llllllllll}1000 & 831.2548 & 0.009073 & 0.048467 & 0.008489 & 0.019588 & 2.452892 & 2.438065 & 0.0001221\end{array}$ $\begin{array}{lllllllll}1000 & 1047.79 & 0.009328 & 0.068324 & 0.05408 & 0.059114 & 3.660183 & 3.56248 & 0.002298 \\ 1000 & 0163138 & 0.07999 & 0.06777 & 0.02811 & 0.034765 & 3390161 & 35474 & 0.0369\end{array}$ $\begin{array}{lllllllll}1000 & 916.3138 & 0.007999 & 0.060777 & 0.028111 & 0.034765 & 3.349161 & 3.5874 & 0.003609\end{array}$ $\begin{array}{lllllllll}1000 & 1067.927 & 0.010279 & 0.048158 & 0.057351 & 0.036916 & 3.924216 & 3.564714 & 0.00579\end{array}$ $\begin{array}{lllllllll}1000 & 1101.395 & 0.022409 & 0.057058 & 0.049581 & 0.042459 & 3.693115 & 4.010436 & 0.002911 \\ 1000 & 1081.761 & 0.022623 & 0.046996 & 0.027108 & 0.032378 & 3.284741 & 2.946767 & 0.00348\end{array}$ $\begin{array}{llllllllll}1000 & 850.7295 & 0.013431 & 0.037536 & 0.010647 & 0.042262 & 3.119029 & 3.154912 & 0.002442\end{array}$ $\begin{array}{llllllllll}1000 & 1013.511 & 0.0141 & 0.041629 & 0.027104 & 0.034666 & 3.4637 & 3.008152 & 0.003007\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 866.2754 & 0.010962 & 0.035047 & 0.033257 & 0.028476 & 2.6535937 & 0.001398\end{array}$



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$\begin{array}{llll}0.031611 & 0.401195 & 0.565759 & 0.680515\end{array}$ $\begin{array}{llll}0.047697 & 0.41712 & 0.559176 & 0.442672 \\ 0.033864 & 0.318373 & 0.557024 & 0.462136\end{array}$ $\begin{array}{lllll}0.052034 & 0.227194 & 0.528364 & 0.519206\end{array}$ $\begin{array}{llllllllll}0.053555 & 0.225225 & 0.430557 & 0.437268\end{array}$ $\begin{array}{lllll}0.081266 & 0.39672 & 0.813177 & 0.814696\end{array}$ $\begin{array}{rlll}0.10417 & 0.310136 & 0.623135 & 0.677599\end{array}$ $\begin{array}{lllll}0.139115 & 0.224537 & 0.908507 & 0.660577 \\ 0\end{array}$ $\begin{array}{llll}0.192163 & 0.312041 & 0.769898 & 0.68971 \\ 0 & 0.149146 & 0.360103 & 0.701746\end{array}$ | 0.13312 | 0.315093 | 0.684883 | 0.87778 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088229 & 0.266661 & 0.456966 & 0.739526\end{array}$ $\begin{array}{llll}0.12593 & 0.195205 & 0.721266 & 0.625943\end{array}$ $\begin{array}{lllll}0.099571 & 0.289353 & 0.656671 & 0.671575\end{array}$ $\begin{array}{llll}0.13594 & 0.331815 & 0.951157 & 1.076207\end{array}$ $\begin{array}{llll}0.155103 & 0.242672 & 0.949812 & 0.687928\end{array}$ | 0.081648 | 0.266666 | 0.686311 | 0.830989 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.092273 & 0.351706 & 0.885922 & 0.845525 \\ 0.088259 & 0.335323 & 0.72666 & 0.740185\end{array}$ $\begin{array}{llll}0.070835 & 0.283668 & 0.909258 & 0.666004\end{array}$ $\begin{array}{llll}0.087727 & 0.258627 & 0.741565 & 0.612933\end{array}$ $\begin{array}{llllll}0.070825 & 0.185364 & 0.554206 & 0.636004\end{array}$ $\begin{array}{lllll}0.14918 & 0.309444 & 1.006352 & 0.774642\end{array}$ $\begin{array}{llll}0.165965 & 0.350032 & 0.848652 & 0.802348\end{array}$ $\begin{array}{llll}0.084192 & 0.261942 & 0.695531 & 0.653218\end{array}$ $\begin{array}{llll}0.113611 & 0.357862 & 0.805593 & 1.067474 \\ 0.135272 & 0.300744 & 1.037675 & 0.77824\end{array}$ $\begin{array}{lllll}0.066924 & 0.276958 & 0.790702 & 0.754784\end{array}$ $\begin{array}{lllll}0.071813 & 0.290907 & 0.457531 & 0.639797\end{array}$ $\begin{array}{lllll}0.064215 & 0.357847 & 0.815127 & 0.663215\end{array}$ $\begin{array}{lllll}0.075605 & 0.359288 & 0.991256 & 0.60056\end{array}$ $\begin{array}{llll}0.129049 & 0.28988 & 0.75347 & 0.537963\end{array}$ $\begin{array}{llll}0.105974 & 0.272886 & 0.632027 & 0.755164\end{array}$ $\begin{array}{llll}0.079567 & 0.275442 & 0.762438 & 0.883553 \\ 0.051876 & 0.287631 & 0.572844 & 0.787908\end{array}$ $\begin{array}{llll}0.061619 & 0.2777796 & 0.517844 & 0.787908 \\ 0.0 .517046\end{array}$ $\begin{array}{lllll}0.0 .109503 & 0.501367 & 0.928316 & 1.099436\end{array}$ $\begin{array}{lllll}0.074202 & 0.252329 & 0.717445 & 0.819267\end{array}$ $\begin{array}{llll}0.092096 & 0.430531 & 1.066901 & 1.22305\end{array}$ $\begin{array}{llll}0.119834 & 0.363694 & 1.092045 & 1.128597\end{array}$ $\begin{array}{llll}0.05136 & 0.400559 & 0.652173 & 0.870842\end{array}$ $\begin{array}{lllll}0.080817 & 0.271879 & 0.744266 & 0.803881 \\ 0.038103 & 0.248781 & 0.465322 & 0.650427\end{array}$ | 0.08521 | 0.347368 | 1.2659 | 1.341401 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.079931 & 0.372017 & 0.753862 & 0.563623\end{array}$ $\begin{array}{lllll}0.088712 & 0.323032 & 1.04567 & 0.739648\end{array}$ $\begin{array}{llll}0.084064 & 0.308333 & 1.228756 & 0.982288\end{array}$ $\begin{array}{llll}0.131225 & 0.38279 & 0.887654 & 1.05749\end{array}$ $\begin{array}{llll}0.120489 & 0.322183 & 1.856678 & 0.765613\end{array}$ $\begin{array}{llll}0.094513 & 0.297818 & 1.113155 & 1.245263\end{array}$ $\begin{array}{llll}0.116088 & 0.258409 & 0.793007 & 0.666836 \\ 0.115628 & 0.554125 & 1.385854 & 0.891609\end{array}$ $\begin{array}{lllll}0.171548 & 0.417791 & 1.670533 & 0.896359 \\ 0 & 0.175469\end{array}$ $\begin{array}{lllll}0.047204 & 0.263044 & 0.690082 & 1.004585\end{array}$ $\begin{array}{lllll}0.094619 & 0.38646 & 0.959242 & 0.974591\end{array}$ $\begin{array}{lllll}0.101405 & 0.322548 & 0.636257 & 0.66876\end{array}$ $\begin{array}{lllll}0.092319 & 0.249774 & 0.629481 & 0.627155\end{array}$ $\begin{array}{llll}0.09091 & 0.507514 & 1.579029 & 0.9947\end{array}$ $\begin{array}{llll}0.064357 & 0.209214 & 1.205438 & 0.906858 \\ 0.053311 & 0.222872 & 0.671731 & 0.69517\end{array}$ $\begin{array}{llll}0.066661 & 0.389646 & 1.179674 & 1.002656\end{array}$ $\begin{array}{lllll}0.067598 & 0.313037 & 0.632427 & 0.735122\end{array}$ 0.0530670 .2292671 .0156210 .576187 0.0659770 .2512611 .0900180 .538506


$\begin{array}{rrrrrrrrr}1000 & 1104.585 & 0.006035 & 0.104545 & 0.093259 & 0.074059 & 3.953608 & 4.364116 & 0.00645 \\ 1000 & 1257.54 & 0.065368 & 0.110976 & 0.120624 & 0.081112 & 5.414032 & 4.129046 & 0.007418 \\ 1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288\end{array}$ $\begin{array}{lllllllll}1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288 \\ 1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082608 & 3.609368 & 0.008277\end{array}$ $\begin{array}{lllllllll}1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082668 & 3.609368 & 0.008277 \\ 1000 & 767.6288 & 0.002344 & 0.081015 & 0.093444 & 0.094608 & 3.623066 & 3.352541 & 0.00612\end{array}$ $\begin{array}{lllllllll}1000 & 1346.292 & 0.005777 & 0.142547 & 0.109712 & 0.127866 & 4.094525 & 4.147194 & 0.007168\end{array}$ $\begin{array}{lllllllll}1000 & 889.9435 & 0.009896 & 0.107471 & 0.062839 & 0.117472 & 4.082828 & 4.094529 & 0.006147\end{array}$ $\begin{array}{lllllllll}100 & 9566.3881 & 0.006035 & 0.151806 & 0.134978 & 0.09348 & 3.534949 & 4.103572 & 0.003367 \\ 1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139677 & 3.822485 & 0.005259\end{array}$ $\begin{array}{lllllllll}1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139767 & 3.822485 & 0.005259 \\ 1000 & 1102252 & 0.0101014 & 0.129579 & 0.10221 & 0.114552 & 5.367171 & 4.851436 & 0.00654\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1102.252 & 0.011014 & 0.149579 & 0.10221 & 0.114552 & 5.366171 & 4.851436 \\ 1000 & 1108.405 & 0.00948 & 0.112798 & 0.123083 & 0.074963 & 4.642873 & 4.118653 \\ 0.005795\end{array}$ $\begin{array}{llllllllll}1000 & 895.7373 & 0.009562 & 0.094821 & 0.095261 & 0.097149 & 3.040463 & 3.6052 & 0.005737\end{array}$ $\begin{array}{llllllllll}1000 & 837.7235 & 0.012442 & 0.106334 & 0.077864 & 0.081389 & 3.868081 & 4.069236 & 0.006191\end{array}$ $\begin{array}{lllllllll}1000 & 1098.392 & 0.012208 & 0.100269 & 0.102364 & 0.097104 & 4.013613 & 3.208568 & 0.004877\end{array}$ $\begin{array}{lllllllllll}1000 & 884.7027 & 0.01706 & 0.108713 & 0.131075 & 0.154975 & 4.179335 & 3.977426 & 0.010221\end{array}$ $\begin{array}{lllllllll}1000 & 1007.146 & 0.013022 & 0.110895 & 0.11053 & 0.11447 & 4.241605 & 4.00682 & 0.006656 \\ 1000 & 1028.177 & 0.000105 & 0.097764 & 0.117145 & 0.097033 & 3.735913 & 3.95997 & 0.006589\end{array}$ $\begin{array}{lllllllll}1000 & 1028.177 & 0.006105 & 0.097764 & 0.107145 & 0.097033 & 3.735913 & 3.955977 & 0.006589 \\ 1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309\end{array}$ $\begin{array}{lllllllll}1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309 \\ 1000 & 1185.576 & 0.009078 & 0.144852 & 0.169585 & 0.120745 & 4.523395 & 4.465378 & 0.007665\end{array}$ $\begin{array}{lllllllllll}1000 & 950.5291 & 0.009091 & 0.139177 & 0.086629 & 0.151678 & 4.747335 & 4.246047 & 0.007793\end{array}$ $\begin{array}{llllllllllll}1000 & 834.5023 & 0.011622 & 0.120635 & 0.068397 & 0.140954 & 3.26875 & 3.499491 & 0.009605\end{array}$ $\begin{array}{llllllllll}1000 & 739.873 & 0.007514 & 0.096104 & 0.139823 & 0.114192 & 2.660341 & 2.781871 & 0.005785\end{array}$ $\begin{array}{lllllllll}1000 & 2071.548 & 0.015152 & 0.185146 & 0.174935 & 0.157428 & 4.619002 & 5.343776 & 0.007895\end{array}$ $\begin{array}{llllllll}1000 & 1305.815 & 0.009038 & 0.148201 & 0.095118 & 0.137948 & 3.705276 & 4.482354 \\ 1000 & 7006679\end{array}$ $\begin{array}{lllllllll}1000 & 773.2958 & 0.004765 & 0.183434 & 0.060694 & 0.115833 & 4.045818 & 3.392222 & 0.005093 \\ 1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683 \\ 1000 & 1210.22 & 0.009188 & 0.124234 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174\end{array}$ $\begin{array}{rrrrrrrrr}100 & 1110.22 & 0.009188 & 0.124634 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174 \\ 1000 & 1125.653 & 0.010462 & 0.156559 & 0.132135 & 0.119664 & 5.037179 & 4.350906 & 0.005481\end{array}$ $\begin{array}{lllllllll}1000 & 889.8157 & 0.002976 & 0.068199 & 0.056156 & 0.064095 & 4.470407 & 3.054077 & 0.0004399\end{array}$ $\begin{array}{lllllllll}1000 & 1102.592 & 0.001774 & 0.082192 & 0.067496 & 0.072232 & 4.256491 & 3.368424 & 0.002697\end{array}$ $\begin{array}{llllllllll}1000 & 1679.977 & 0.005548 & 0.101486 & 0.090769 & 0.097152 & 4.548325 & 5.144612 & 0.003175\end{array}$ | 1000 | 1198.4 | 0.004685 | 0.082437 | 0.136621 | 0.076201 | 5.09823 | 4.230119 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1037.254 | 0.004346 | 0.092671 | 0.0947713 | 0.078129 | 4.180365 | 4.112147 | $\begin{array}{lllllllll}1000 & 1037.254 & 0.004346 & 0.092671 & 0.094713 & 0.078129 & 4.180365 & 4.112147 & 0.007656\end{array}$ $\begin{array}{lllllllll}1000 & 1094.13 & 0.006966 & 0.088417 & 0.105626 & 0.111897 & 4.139989 & 4.449202 & 0.007517\end{array}$ | 1000 | 954.5932 | 0.005921 | 0.107152 | 0.068928 | 0.141843 | 4.986799 | 3.91965 | 0.014538 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017\end{array}$ $\begin{array}{lllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017 \\ 1000 & 668.541 & 0.011409 & 0.126087 & 0.156438 & 0.086027 & 3.915031 & 3.766427 & 0.007202\end{array}$ $\begin{array}{lllllllll}1000 & 1320.996 & 0.014521 & 0.157875 & 0.079361 & 0.157503 & 5.282454 & 5.699404 & 0.014634\end{array}$ $\begin{array}{lllllllll}1000 & 1054.252 & 0.018354 & 0.149633 & 0.138198 & 0.135136 & 4.574326 & 4.412258 & 0.013951\end{array}$ $\begin{array}{llllllllll}1000 & 827.7968 & 0.00777 & 0.094939 & 0.072102 & 0.088051 & 3.866194 & 3.553529 & 0.0034494\end{array}$ $\begin{array}{lllllllll}1000 & 1221.32 & 0.002555 & 0.11232 & 0.116552 & 0.090394 & 4.27087 & 4.26617 & 0.007996 \\ 1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822\end{array}$ $\begin{array}{lllllllll}1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822 \\ 1000 & 1240.728 & 0.012871 & 0.133032 & 0.099552 & 0.120324 & 4.930731 & 4.585453 & 0.01616\end{array}$ | 1000 | 603.0229 | 0.008228 | 0.094646 | 0.063427 | 0.095816 | 3.8018 | 3.332945 | 0.010588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}100 & 63.0229 & 0.008228 & 0.094646 & 0.063427 & 0.095816 & 3.8018 & 3.332945 \\ 10.0100588 \\ 100 & 1047.295 & 0.008957 & 0.097216 & 0.107991 & 0.122217 & 5.531403 & 4.437567 \\ 0.012843\end{array}$ $\begin{array}{lllllllll}1000 & 786.9462 & 0.007696 & 0.155031 & 0.068315 & 0.116813 & 4.414235 & 4.449219 & 0.009404\end{array}$ $\begin{array}{lllllllll}1000 & 998.9427 & 0.010061 & 0.203719 & 0.119222 & 0.147068 & 6.06349 & 4.977139 & 0.013678 \\ 1000 & 1049 & 045 & 0.07143 & 0.14607 & 0.12654 & 0.103038 & 4.3249 & 4.43859\end{array}$ | 1000 | 1049.264 | 0.007143 | 0.144607 | 0.123647 | 0.103038 | 4.32489 | 4.435859 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 818.5269 & 0.010941 & 0.106948 & 0.112545 & 0.118318 & 3.529968 & 3.6833236 & 0.007371 \\ 1000 & 909.6484 & 0.012093 & 0.161649 & 0.16 & 0.114391 & 3948704 & 3.933055 & 0.011073\end{array}$ $\begin{array}{rrrrrrrr}000 & 909.6484 & 0.012093 & 0.161649 & 0.162 & 0.114391 & 3.948704 & 3.933055 \\ 1000 & 10866.072 & 0.011073\end{array}$ $\begin{array}{lllllllll}1000 & 1086.672 & 0.011882 & 0.192049 & 0.161915 & 0.136467 & 4.215195 & 4.632561 & 0.010161 \\ 1000 & 1050.723 & 0.011154 & 0.156771 & 0.135526 & 0.184147 & 5.598658 & 3.875003 & 0.005218\end{array}$ $\begin{array}{lllllllll}1000 & 1287.95 & 0.009071 & 0.161222 & 0.101892 & 0.121418 & 3.217528 & 3.091693 & 0.008725\end{array}$ | 1000 | 1292.464 | 0.016846 | 0.17516 | 0.092006 | 0.1214379 | 4.62898 | 3.575707 | 0.000922 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 965.1603 & 0.020637 & 0.14464 & 0.137199 & 0.107438 & 4.273696 & 4.634317 & 0.010397\end{array}$ $\begin{array}{lllllllll}1000 & 761.6293 & 0.009266 & 0.100747 & 0.115459 & 0.081211 & 3.279596 & 2.516649 & 0.004568 \\ 1000 & 1533.3 & 0.012946 & 0.148041 & 0.082667 & 0.173166 & 4.253332 & 5.062553 & 0.0074466\end{array}$ | 1000 | 1533.3 | 0.012946 | 0.148041 | 0.082667 | 0.173166 | 4.253332 | 5.062553 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1004.464 | 0.005833 | 0.130589 | 0.144131 | 0.128514 | 3.38235 | 3.669022 | $\begin{array}{lllllllll}1000 & 1004.464 & 0.005833 & 0.130589 & 0.144131 & 0.128514 & 3.38235 & 3.669022 & 0.007115 \\ 1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865\end{array}$ $\begin{array}{lllllllll}1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865 \\ 1000 & 1398.472 & 0.008961 & 0.118102 & 0.125651 & 0.116338 & 4.41598 & 4.635854 & 0.012835\end{array}$ $\begin{array}{llllllllll}1000 & 626.3881 & 0.003477 & 0.072847 & 0.078916 & 0.07236 & 2.788303 & 2.278825 & 0.006775\end{array}$ $\begin{array}{llllllllll}1000 & 1193.053 & 0.008992 & 0.093745 & 0.039915 & 0.086896 & 2.834928 & 2.725949 & 0.007133\end{array}$ $\begin{array}{llllllllll}1000 & 638.3693 & 0.003977 & 0.083763 & 0.091754 & 0.068009 & 4.051773 & 3.434407 & 0.0045\end{array}$


| 281.941 | 113.01 | 160.03 | 495.78 | 438.61 | 7003.66 | 100848.2 | 211.05 | 161.03 | 25 | 156.03 | 5122.72 | 47459.26 | 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 282.2748 | 115.01 | 195.04 | 274.24 | 330.34 | 6329.78 | 141856.9 | 214.05 | 158.03 | 28 | 146.02 | 5785.61 | 40273.83 | 20 |
| 282.6086 | 113.01 | 138.02 | 291.27 | 316.32 | 6556.87 | 135626.7 | 193.04 | 167.03 | 28 | 151.02 | 6087.52 | 35927.57 | 32 |
| 282.943 | 113.01 | 145.02 | 300.28 | 61 | 127 | 113473.2 | 215.05 | 173.03 | 25 | 129.02 | 7275.8 | 38767.71 | 21 |
| 283.2768 | 120.01 | 145.02 | 269.23 | 313.31 | 6916.92 | 124810.5 | 203.04 | 224.05 | 27 | 133.02 | 4743.6 | 39250.72 | 20 |
| 283.6106 | 158.03 | 154.02 | 213.14 | 377.45 | 7337.48 | 117611.6 | 219.05 | 149.02 | 16 | 137.02 | 6013.54 | 42658.75 | 20 |
| 283.9449 | 127.02 | 129.02 | 441.62 | 401.51 | 9615.27 | 107721.3 | 213.05 | 167.03 | 26 | 158.03 | 5184.42 | 43455.3 | 22 |
| 284.2788 | 101.01 | 169.03 | 274.24 | 510.82 | 10170.88 | 172748.4 | 227.06 | 143.02 | 34 | 154.03 | 5554.76 | 40609.9 | 30 |
| 284.6126 | 102.01 | 180.03 | 270.23 | 339.36 | 7275.69 | 98657.13 | 191.04 | 199.04 | 31 | 189.04 | 4454.74 | 40597.89 | 30 |
| 284.94 | 145.02 | 141.02 | 29. | 395. | 11687.74 | 93 | 250.07 | 213.05 | 34 | 40.0 | 6033.81 | 57005.0 | 9 |
| 285.2818 | 113.01 | 157.03 | 322.33 | 433.59 | 8731.54 | 135640.7 | 213.05 | 158.03 | 30 | 171.03 | 4350.7 | 37450.6 | 20 |
| 285.6156 | 106.01 | 205.04 | 429.58 | 445.63 | 9030.87 | 149360.6 | 240.06 | 185.04 | 29 | 189.04 | 4637.55 | 39224.6 | 18 |
| 285.95 | 102.01 | 142.02 | 332.35 | 430.59 | 8816.1 | 141602.7 | 220.05 | 168.03 | 39 | 150.02 | 5957.82 | 37622.01 | 24 |
| 286.2838 | 97.01 | 116.01 | 266.22 | 367.43 | 6938.86 | 135709.6 | 211.05 | 170.03 | 24 | 140.02 | 4954.88 | 46294.63 | 18 |
| 286.6176 | 96.01 | 171.03 | 273.24 | 614.19 | 6305.84 | 184683.4 | 204.04 | 142.02 | 33 | 179.03 | 5255.2 | 40618.6 | 14 |
| 286.9519 | 121.02 | 155.03 | 297.28 | 472.71 | 8088.24 | 115908.3 | 205.05 | 157.03 | 18 | 179.03 | 5226. | 35578.6 | 29 |
| 287.2858 | 99.01 | 142.02 | 326.34 | 453.65 | 7296.63 | 108100.1 | 264.08 | 141.02 | 18 | 125.02 | 4818.4 | 39488.05 | 23 |
| 287.6196 | 136.02 | 181.03 | 249.2 | 470.7 | 6571.46 | 154130.3 | 205.05 | 139.02 | 19 | 158.03 | 5399.91 | 48225.06 | 14 |
| 287.9539 | 109.01 | 127.02 | 374.44 | 453.65 | 8500.29 | 173146.1 | 217.05 | 145.02 | 19 | 98.01 | 6444.39 | 42158.03 | 24 |
| 288.2878 | 134.02 | 142.02 | 345.38 | 40.52 | 8678.72 | 122186.1 | 221.05 | 139.02 | 26 | 139.02 | 35.5 | 46282.48 | 22 |
| 288.6216 | 154.02 | 106.01 | 337.36 | 309.3 | 8137.72 | 105499.7 | 181.04 | 142.02 | 18 | 101.01 | 5071.15 | 43155.61 | 22 |
| 288.9559 | 143.02 | 167.03 | 341.37 | 439.61 | 7844.25 | 106856.9 | 236.06 | 139.02 | 28 | 129.02 | 6498.15 | 44238 | 21 |
| 289.2897 | 206.04 | 142.02 | 261.22 | 373.44 | 8253.57 | 103658.7 | 181.04 | 175.03 | 31 | 119.02 | 5180.37 | 53041.81 | 28 |
| 289.6236 | 151.02 | 118.01 | 410.53 | 359.41 | 6828.13 | 134379.3 | 194.04 | 207.05 | 25 | 205.05 | 6052.05 | 41141.77 | 31 |
| 289.9579 | 182.03 | 131.02 | 540.92 | 326.34 | 10308.47 | 164506.7 | 212.05 | 142.02 | 26 | 147.02 | 4876.0 | 51253.7 | 24 |
| 290.2917 | 203.04 | 156.03 | 293.27 | 331.35 | 8705.13 | 167189.1 | 209.05 | 159.03 | 37 | 166.03 | 6166.5 | 41410.66 | 17 |
| 290.6255 | 164.03 | 131.02 | 356.4 | 557.98 | 7412.92 | 149084.3 | 207.05 | 149.02 | 26 | 148.02 | 6142.25 | 44561.26 | 26 |
| 290.9599 | 212.05 | 146.02 | 276.24 | 403.51 | 8355.79 | 115493.3 | 259.07 | 199.04 | 33 | 153.03 | 5374.61 | 42083.56 | 18 |
| 291.2937 | 213.05 | 171.03 | 297.28 | 396.5 | 7600.63 | 141879.1 | 169.03 | 293.09 | 24 | 147.02 | 4897.26 | 44792.45 | 27 |
| 291.6275 | 254.07 | 157.03 | 350.39 | 878.43 | 12372.61 | 135568.8 | 186.04 | 215.05 | 29 | 164.03 | 6911.18 | 49577.9 | 33 |
| 291.9619 | 191.04 | 121.02 | 345.38 | 491.76 | 13403.75 | 143773.9 | 239.06 | 170.03 | 38 | 152.03 | 6202.0 | 55171.82 | 30 |
| 292.2957 | 194.04 | 132.02 | 238.18 | 91.76 | 6489.12 | 122288.5 | 242.06 | 180.04 | 22 | 172.03 | 6406.8 | 52549. | 26 |
| 292.63 | 219.05 | 112.01 | 409.53 | 368.43 | 7737.1 | 125469.8 | 230.06 | 191.04 | 47 | 130.02 | 7754.63 | 44769.33 | 29 |
| 292.9649 | 191.04 | 172.03 | 450.64 | 385.47 | 11457.58 | 132037.5 | 283.09 | 188.04 | 34 | 158.03 | 5434.31 | 55795.65 | 27 |
| 293.2987 | 244.06 | 147.02 | 315.31 | 422.56 | 10413.09 | 124175.9 | 257.07 | 188.04 | 22 | 213.05 | 5745.1 | 93518.92 | 35 |
| 293.6325 | 211.05 | 128.02 | 370.43 | 353.39 | 6972.3 | 165493.4 | 256.07 | 227.06 | 24 | 171.03 | 5824 | 61632.97 | 34 |
| 293.9669 | 211.05 | 144.02 | 380.46 | 386.47 | 6468.28 | 107299.4 | 303.1 | 193.04 | 43 | 195.04 | 6599 | 62510.45 | 24 |
| 294.3007 | 173.03 | 148.02 | 419.56 | 695.53 | 8113.5 | 129317.2 | 338.12 | 227.06 | 21 | 158.03 | 6214.2 | 48603.42 | 20 |
| 294.635 | 191.04 | 136.02 | 324.33 | 304.29 | 12800.1 | 189095.6 | 291.09 | 199.04 | 45 | 156.03 | 8305.24 | 53741.41 | 31 |
| 294.9688 | 302.09 | 116.01 | 271.23 | 894.52 | 7824.29 | 169879.9 | 234.06 | 202.04 | 47 | 190.04 | 6874.63 | 59447.84 | 17 |
| 295.3026 | 231.06 | 167.03 | 426.57 | 427.58 | 8666.04 | 121768.8 | 268.08 | 222.05 | 20 | 160.03 | 6112.85 | 48401.45 | 32 |
| 295.637 | 260.07 | 137.02 | 484.74 | 290.27 | 10011.02 | 145464.1 | 295.59 | 178.03 | 19 | 183.04 | 6411.9 | 56685.5 | 23 |
| 295.9708 | 226.05 | 157.03 | 329.34 | 484.74 | 6720.62 | 183552.9 | 240.06 | 187.04 | 43 | 146.02 | 7063.4 | 55616.52 | 24 |
| 296.3046 | 274.08 | 118.01 | 337.36 | 453.65 | 8392.7 | 172811.1 | 257.07 | 207.05 | 18 | 166.03 | 6698.02 | 58603.87 | 24 |
| 296.639 | 195.04 | 144.02 | 270.23 | 318.32 | 10207.13 | 162922.5 | 328.12 | 211.05 | 40 | 184.04 | 5800.8 | 43807.92 | 44 |
| 296.9728 | 188.04 | 124.02 | 260.21 | 523.87 | 6726.88 | 104165.9 | 258.07 | 183.04 | 28 | 189.04 | 6646.27 | 52002.12 | 25 |
| 297.3066 | 188.04 | 139.02 | 274.24 | 334.35 | 7635.26 | 127653.8 | 280.08 | 185.04 | 31 | 164.03 | 6429.18 | 44125.61 | 38 |
| 297.641 | 190.04 | 129.02 | 330.34 | 401.51 | 7546.08 | 137971.9 | 263.07 | 161.03 | 23 | 126.02 | 4944.77 | 52797.62 | 30 |
| 297.9748 | 247.06 | 155.03 | 386.47 | 505.81 | 7024.57 | 104420.3 | 254.07 | 144.02 | 31 | 163.03 | 7099.04 | 41007.39 | 27 |
| 298.3086 | 144.02 | 167.03 | 385.47 | 324.33 | 12801.19 | 128938.7 | 324.11 | 185.04 | 37 | 156.03 | 5339.19 | 53549.59 | 21 |
| 298.6429 | 143.02 | 144.02 | 356.4 | 401.51 | 8228.28 | 134321.5 | 239.06 | 229.06 | 25 | 155.03 | 6371.37 | 49267.67 | 14 |
| 298.9768 | 159.03 | 149.02 | 234.17 | 435.6 | 7746.55 | 98324.29 | 259.07 | 189.04 | 30 | 113.01 | 6749.78 | 46001.98 | 41 |
| 299.3106 | 172.03 | 192.04 | 233.17 | 291.27 | 9548.34 | 155218.2 | 242.06 | 133.02 | 24 | 137.02 | 5250.17 | 40411.29 | 4 |
| 299.6449 | 185.04 | 195.04 | 368.43 | 324.33 | 8792.85 | 117946.9 | 230.06 | 171.03 | 22 | 133.02 | 4713.33 | 53489.03 | 19 |
| 299.9788 | 159.03 | 173.03 | 261.22 | 311.31 | 11174.1 | 148494 | 214.05 | 146.02 | 19 | 107.01 | 5046.88 | 38128.82 | 24 |
| 300.3126 | 131.02 | 124.02 | 297.28 | 361.41 | 10670.64 | 207061.8 | 220.05 | 129.02 | 18 | 149.02 | 4549.67 | 46240.5 | 19 |
| 300.6479 | 167.03 | 179.03 | 358.41 | 329.34 | 7804.32 | 128759.5 | 197.04 | 147.02 | 29 | 150.02 | 4465.8 | 40948.39 | 27 |
| 300.9818 | 174.03 | 168.03 | 302.29 | 472.71 | 8025.1 | 155659.8 | 226.06 | 152.03 | 27 | 138.02 | 5230.9 | 46840.65 | 5 |
| 301.3156 | 149.02 | 177.03 | 284.26 | 348.38 | 8178.78 | 147030.1 | 226.06 | 176.03 | 32 | 168.03 | 6243.62 | 43300.49 | 21 |
| 301.6499 | 134.02 | 131.02 | 501.79 | 319.32 | 9932.22 | 154920.3 | 193.04 | 187.04 | 22 | 161.03 | 6204.08 | 45228.71 | 13 |
| 301.9837 | 120.01 | 121.02 | 257.21 | 378.45 | 6908.56 | 140342 | 218.05 | 147.02 | 29 | 149.02 | 4640.58 | 52452.86 | 17 |
| 302.3176 | 136.02 | 124.02 | 315.31 | 321.33 | 6792.63 | 137934.1 | 188.04 | 162.03 | 36 | 128.02 | 6081.44 | 40647.01 | 16 |
| 302.6519 | 126.02 | 153.02 | 341.37 | 286.26 | 8911.29 | 118819 | 151.02 | 119.02 | 23 | 142.02 | 4813.3 | 54588.12 | 16 |
| 302.9857 | 100.01 | 136.02 | 513.8 | 312.31 | 12475.33 | 102174 | 163.03 | 154.0 | 27 | 99.01 | 4870.98 | 48786.61 | 18 |

$\begin{array}{llll}0.073592 & 0.3953 & 1.515117 & 1.031364\end{array}$ $\begin{array}{lllll}0.084117 & 0.548314 & 0.924519 & 1.031364 \\ 0.841048\end{array}$ $\begin{array}{llll}0.078608 & 0.354928 & 0.948291 & 0.774391\end{array}$ $\begin{array}{llll}0.040461 & 0.193704 & 0.50329 & 0.947215 \\ 0.083122 & 0.35672 & 0.836435\end{array}$ $\begin{array}{llll}0.083122 & 0.356742 & 0.83046 & 0.726435 \\ 0.122424 & 0.360886 & 0.618622 & 0.838173\end{array}$ $\begin{array}{llll}0.065991 & 0.223243 & 0.982515 & 0.8833483\end{array}$ $\begin{array}{lllll}0.040638 & 0.289925 & 0.575307 & 0.834709 \\ 0.057932\end{array}$ $\begin{array}{lllll}0.057982 & 0.43564 & 0.792452 & 0.753431 \\ 0.067384 & 0.2304239 & 0.621022 & 0.553322\end{array}$ $\begin{array}{lllll}0.059026 & 0.310169 & 0.78848 & 0.817139\end{array}$ $\begin{array}{llllll}0.050478 & 0.406487 & 1.017467 & 0.813442\end{array}$ $\begin{array}{llllll}0.047849 & 0.273053 & 0.805332 & 0.803329\end{array}$ $\begin{array}{llllll}0.054669 & 0.271775 & 0.818514 & 0.860997\end{array}$ $\begin{array}{llllll}0.05881 & 0.47404 & 0.924623 & 1.634125\end{array}$ $\begin{array}{lllll}0.072144 & 0.329885 & 0.784671 & 0.96701\end{array}$ $\begin{array}{llll}0.054319 & 0.329928 & 0.955383 & 1.026112\end{array}$ $\begin{array}{lllll}0.056631 & 0.247814 & 0.941634 & 0.880781\end{array}$ $\begin{array}{lllll}0.079973 & 0.277376 & 0.850337 & 0.765362\end{array}$ $\begin{array}{lllllllll}0.106192 & 0.207086 & 0.885708 & 0.608787\end{array}$ $\begin{array}{lllllllll}0.09824 & 0.370824 & 0.929834 & 0.923055\end{array}$ $\begin{array}{lllll}0.158302 & 0.291667 & 0.67509 & 0.736596\end{array}$ $\begin{array}{lllll}0.122828 & 0.282057 & 1.285847 & 0.854353\end{array}$ $\begin{array}{llll}0.106933 & 0.212119 & 1.123367 & 0.50957\end{array}$ $\begin{array}{llll}0.147158 & 0.308806 & 0.719158 & 0.613542 \\ 0.128062 & 0.294995 & 1.027509 & 1.256966\end{array}$ $\begin{array}{llllll}0.162482 & 0.297697 & 0.705447 & 0.790727\end{array}$ $\begin{array}{llllll}0.179748 & 0.393266 & 0.835023 & 0.853125\end{array}$ 0.1386040 .2188780 .6051271 .207443 $\begin{array}{lllll}0.087953 & 0.148169 & 0.55054 & 0.608409\end{array}$ $\begin{array}{llll}0.18563 & 0.340092 & 0.782423 & 1.256891\end{array}$ $\begin{array}{lllll}0.183172 & 0.233362 & 1.131971 & 0.774415\end{array}$ $\begin{array}{llll}0.102894 & 0.262611 & 0.841419 & 0.549003 \\ 0.156516 & 0.240797 & 0.64644 & 0.66576\end{array}$ 1935110.3050131 .1356910 .021533 $\begin{array}{llllllll}0.208594 & 0.378392 & 1.257525 & 0.975307\end{array}$ $\begin{array}{lllll}0.126435 & 0.311532 & 1.106003 & 1.445875\end{array}$ $\begin{array}{lllll}0.092101 & 0.178655 & 0.54118 & 0.380141\end{array}$ $\begin{array}{llll}0.271389 & 0.241013 & 0.739622 & 1.945583\end{array}$ $\begin{array}{llll}0.175319 & 0.335652 & 1.052848 & 0.811148\end{array}$ $\begin{array}{lllll}0.176404 & 0.23044 & 1.038197 & 0.461495\end{array}$ $\begin{array}{llllll}0.224622 & 0.229465 & 0.858793 & 0.892075\end{array}$ $\begin{array}{lllll}0.118834 & 0.239764 & 0.564824 & 0.500844\end{array}$ $\begin{array}{lllll}0.171482 & 0.30422 & 0.82512 & 1.296215\end{array}$ $\begin{array}{lllllll}0.151075 & 0.307413 & 0.766407 & 0.706427\end{array}$ $\begin{array}{llllll}0.155115 & 0.284473 & 0.935181 & 0.870943\end{array}$ $\begin{array}{lllll}0.235668 & 0.379849 & 1.176295 & 1.196156\end{array}$ $\begin{array}{llll}0.060858 & 0.227212 & 0.643732 & 0.407575\end{array}$ $\begin{array}{lllll}0.093654 & 0.297438 & 0.924699 & 0.798719\end{array}$ $\begin{array}{lllll}0.106541 & 0.357153 & 0.520421 & 0.4857\end{array}$ $\begin{array}{lllll}0.12828 & 0.394688 & 0.895613 & 0.593411\end{array}$ 0.0811440 .2710690 .4986160 .446489 $\begin{array}{llllll}0.062651 & 0.191764 & 0.594741 & 0.549937\end{array}$ $\begin{array}{llllll}0.124907 & 0.403555 & 0.981499 & 0.679857\end{array}$ $\begin{array}{llll}0.128888 & 0.364965 & 0.804258 & 0.97462\end{array}$ 0.10046 $\begin{array}{llllll}0.083223 & 0.287509 & 0.794086 & 0.892764\end{array}$ $\begin{array}{lllll}104689 & 0.301274 & 0.991403 & 0.760449\end{array}$ $0.0702510 .294888 \quad 0.8184730 .510564$ 0.0324490 .1833070 .8815730 .401318

$\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724\end{array}$ $\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724 \\ 1000 & 1314.134 & 0.0126 & 0.143344 & 0.148397 & 0.134237 & 5.213793 & 4.323989 & 0.009377 \\ 1000 & 1212.845 & 0.008761 & 0.146329 & 0.143256 & 0.135258 & 5300213 & 3.723712 & 0.014662\end{array}$ $\begin{array}{llllllllll}1000 & 122.822 .8042 & 0.006344 & 0.078045 & 0.065562 & 0.056775 & 3.26906 & 206815 & 0.0049\end{array}$ $\begin{array}{lllllllllllll}1000 & 1057.926 & 0.00984 & 0.186461 & 0.130779 & 0.108862 & 3.89746 & 3.856332 & 0.008581\end{array}$ $\begin{array}{llllllllll}1000 & 939.6962 & 0.011593 & 0.11654 & 0.071253 & 0.106675 & 4.67773 & 3.950891 & 0.008089\end{array}$ $\begin{array}{lllllllll}1000 & 656.6868 & 0.008184 & 0.099776 & 0.090462 & 0.097649 & 3.069346 & 3.071073 & 0.00681\end{array}$ $\begin{array}{lllllllll}1000 & 995.9863 & 0.009199 & 0.080652 & 0.112816 & 0.089389 & 3.1128 & 2.713171 & 0.008849 \\ 1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.106755 & .474943 & 3.791959 & 0.012371\end{array}$ $\begin{array}{lllllllll}1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.160755 & 3.474943 & 3.791959 & 0.012371 \\ 1000 & 468.1662 & 0.010095 & 0.104887 & 0.098172 & 0.068873 & 2.946436 & 3.314206 & 0.002193\end{array}$ $\begin{array}{lllllllll} & 1000 & 910.8068 & 0.0009012 & 0.103906 & 0.115518 & 0.118607 & 2.826357 & 2.914637 \\ 0.0006797\end{array}$ $\begin{array}{lllllllllllll}1000 & 969.7647 & 0.011889 & 0.117785 & 0.107846 & 0.129505 & 2.916834 & 2.951496 & 0.005893\end{array}$ $\begin{array}{llllllllll}1000 & 941.7539 & 0.009769 & 0.10948 & 0.149838 & 0.099746 & 3.856378 & 2.899882 & 0.008123\end{array}$ $\begin{array}{llllllll}1000 & 1146.76 & 0.011035 & 0.140776 & 0.115361 & 0.11602 & 4.061689 & 4.534017\end{array} 0.00767$ $\begin{array}{lllllllll}1000 & 1717.709 & 0.010963 & 0.129181 & 0.17648 & 0.17368 & 4.745775 & 4.377571 & 0.006496\end{array}$ $\begin{array}{llllllllll}1000 & 840.095 & 0.008679 & 0.111456 & 0.0773219 & 0.135398 & 3.679415 & 2.989215 & 0.010749\end{array}$ $\begin{array}{lllllllll}000 & 868.459 & 0.018211 & 0.110842 & 0.081165 & 0.095042 & 3.754026 & 3.677707 & 0.009394\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1375.4 & 0.010683 & 0.1212313 & 0.095405 & 0.142891 & 4.681594 & 4.987215 & 0.006233 \\ 1000 & 1194.518 & 0.009757 & 0.097869 & 0.073752 & 0.05795 & 4.331643 & 3.370279 & 0.008424\end{array}$ $\begin{array}{llllllllll}1000 & 825.3739 & 0.010046 & 0.091852 & 0.100227 & 0.0919 & 2.900233 & 3.623924 & 0.007545\end{array}$ $\begin{array}{llllllllll}1000 & 759.9252 & 0.005493 & 0.100095 & 0.072774 & 0.063274 & 3.546043 & 3.603778 & 0.008046\end{array}$ $\begin{array}{lllllllll}1000 & 798.5154 & 0.013146 & 0.101625 & 0.11974 & 0.092197 & 4.73374 & 3.832405 & 0.007957\end{array}$ $\begin{array}{lllllllll}1000 & 736.1666 & 0.005416 & 0.121856 & 0.126414 & 0.078614 & 3.573001 & 4.367172 & 0.010162\end{array}$ $\begin{array}{lllllllll}1000 & 1153.928 & 0.008569 & 0.174465 & 0.122331 & 0.188732 & 5.05947 & 4.094705 & 0.013631\end{array}$ $\begin{array}{lllllllll}1000 & 935.774 & 0.00753 & 0.079013 & 0.084378 & 0.083139 & 2.689425 & 3.378592 & 0.006946 \\ 1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761\end{array}$ $\begin{array}{lllllllll}1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761 \\ 1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487\end{array}$ $\begin{array}{lllllllll}1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487 \\ 1000 & 810.2753 & 0.015265 & 0.137008 & 0.133174 & 0.107921 & 3.664093 & 3.422518 & 0.006369\end{array}$ $\begin{array}{llllllll}1000 & 1094.526 & 0.004204 & 0.2223 & 0.105314 & 0.112766 & 3.663998 & 4.004846 \\ 0.010632\end{array}$ $\begin{array}{llllllllll}1000 & 642.3901 & 0.004042 & 0.100016 & 0.078713 & 0.07949 & 3.194528 & 2.722818 & 0.008017\end{array}$ $\begin{array}{llllllllll}1000 & 628.8855 & 0.00793 & 0.072868 & 0.095958 & 0.066717 & 2.641954 & 2.796912 & 0.006714\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1104.88 & 0.016874 & 0.159471 & 0.112661 & 0.16075 & 5.640984 & 5.503371 & 0.011981 \\ 1000 & 950.7537 & 0.012505 & 0.141978 & 0.206623 & 0.094436 & 5.741114 & 3.93216 & 0.011237\end{array}$ | 1000 | 950.7537 | 0.012505 | 0.141978 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 675.6155 | 0.01306623 | 0.094436 | 5.741144 | 3.93216 | 0.011237 | $\begin{array}{lllllllll}1000 & 675.6155 & 0.013358 & 0.094351 & 0.100145 & 0.081945 & 2.702212 & 3.309064 & 0.007052 \\ 1000 & 699.0919 & 0.012045 & 0.103817 & 0.0702 & 0.129459 & 3.146384 & 6.102771 & 0.010115\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 1391.952 & 0.017838 & 0.18748 & 0.114807 & 0.148541 & 4.765218 & 6.007297 & 0.014668\end{array}$ $\begin{array}{lllllllll}1000 & 972.4422 & 0.026949 & 0.171627 & 0.225703 & 0.187725 & 5.831971 & 6.567721 & 0.011072\end{array}$ $\begin{array}{lllllllll}1000 & 934.4642 & 0.026066 & 0.161105 & 0.085823 & 0.115728 & 4.373668 & 4.070834 & 0.007315\end{array}$ $\begin{array}{llllllllll}1000 & 866.3168 & 0.01262 & 0.089431 & 0.119461 & 0.072188 & 3.719378 & 2.852897 & 0.00727\end{array}$ $\begin{array}{lllllllll}1000 & 1273.248 & 0.012908 & 0.148538 & 0.20432 & 0.150431 & 5.024866 & 5.163222 & 0.00641\end{array}$ $\begin{array}{lllllllll}1000 & 823.7565 & 0.015822 & 0.147482 & 0.076345 & 0.110064 & 4.026913 & 3.795389 & 0.011093 \\ 1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.650954 & 3.84770 & 0\end{array}$ $\begin{array}{lllllllll}1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.659054 & 3.847701 & 0.006847 \\ 1000 & 1601.796 & 0.015977 & 0.160009 & 0.217227 & 0.126429 & 6.013255 & 5.623932 & 0.010656\end{array}$

 $\begin{array}{lllllllll}1000 & 1207.492 & 0.014945 & 0.141934 & 0.070562 & 0.118966 & 4.56244 & 4.745123 & 0.008532 \\ 1000 & 935.9584 & 0.019678 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 & 0.013021\end{array}$ $\begin{array}{lllllllll} & 1000 & 935.9584 & 0.019668 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 \\ 100.013021\end{array}$ $\begin{array}{lllllllll}1000 & 980.2241 & 0.019628 & 0.13932 & 0.136654 & 0.128822 & 4.810954 & 3.927325 & 0.015\end{array}$ $\begin{array}{lllllllll}1000 & 1072.054 & 0.017466 & 0.122536 & 0.101476 & 0.092885 & 3.727004 & 4.754726 & 0.011927 \\ 1000 & 871.3588 & 017403 & 0.117609 & 0.145537 & 0.13896 & 5.782348 & 3.067168 & 0.015504\end{array}$ | 1000 | 871.3598 | 0.017403 | 0.1177609 | 0.148537 | 0.138966 | 5.782348 | 3.967168 | 0.011504 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 50 | 0.486 | 0.015357 | 0.083089 | 0.097764 | 0.0721181 | 2.37546 | 2.844772 | $\begin{array}{lllllllll}1000 & 590.4886 & 0.015357 & 0.083089 & 0.097764 & 0.072181 & 2.37546 & 2.842472 & 0.004875 \\ 1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978\end{array}$ $\begin{array}{lllllllll}1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978 \\ 1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971\end{array}$ $\begin{array}{lllllllll}1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971 \\ 1000 & 953.1981 & 0.011467 & 0.079845 & 0.083828 & 0.081971 & 3.130798 & 2.875965 & 0.0075\end{array}$ $\begin{array}{llllllllll}1000 & 786.3665 & 0.011003 & 0.111745 & 0.083138 & 0.085632 & 3.045788 & 4.138835 & 0.006401\end{array}$ $1000779.17980 .007137 \quad 0.074965 \quad 0.0561010 .050071 \quad 2.569714 \begin{array}{llllll}2.318661 & 0.006408\end{array}$ $\begin{array}{lllllllll}1000 & 1138.032 & 0.008071 & 0.069274 & 0.055496 & 0.081711 & 2.420766 & 2.944648 & 0.005274\end{array}$ $\begin{array}{lllllllll}1000 & 967.2996 & 0.007905 & 0.108083 & 0.124799 & 0.112681 & 3.24776 & 3.565569 & 0.010354\end{array}$ $\begin{array}{llllllllll}000 & 1137.394 & 0.011527 & 0.108725 & 0.112716 & 0.098459 & 3.711297 & 3.966414 & 0.009305\end{array}$ $\begin{array}{lllllllll}1000 & 1054.098 & 0.01131 & 0.123678 & 0.131814 & 0.123897 & 4.359598 & 3.59772 & 0.007631 \\ 1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.567727 & 3.09438 & 0.073815\end{array}$ $\begin{array}{lllllllll}1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.566727 & 3.094386 & 0.003815 \\ 1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726\end{array}$ $\begin{array}{lllllllll}1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726 \\ 1000 & 1190.673 & 0.007676 & 0.136985 & 0.179157 & 0.10538 & 5.111012 & 4.06661 & 0.006932\end{array}$ $\begin{array}{llllllllll}1000 & 781.6559 & 0.00144 & 0.076454 & 0.085927 & 0.092004 & 3.070401 & 4.162695 & 0.005284\end{array}$ $\begin{array}{lllllllll}1000 & 480.0231 & 0.00205 & 0.070863 & 0.072502 & 0.040079 & 2.21988 & 2.657295 & 0.004266\end{array}$



$\begin{array}{llll}0.064153 & 0.428219 & 1.073572 & 1.003504\end{array}$ $\begin{array}{llll}0.140171 & 0.293634 & 0.950208 & 1.022423 \\ 0.138607 & 0.302868 & 0.547557 & 0.758566\end{array}$ $\begin{array}{llllllll}0.205069 & 0.334294 & 0.839476 & 0.990811\end{array}$ $\begin{array}{lllll}0.117092 & 0.327536 & 0.664661 & 0.615615\end{array}$ $\begin{array}{llllll}0.070089 & 0.348601 & 0.742771 & 0.717867\end{array}$ $\begin{array}{lllll}0.14173 & 0.401964 & 1.244778 & 0.727814\end{array}$ $\begin{array}{llll}0.14673 & 0.441382 & 0.728918 & 0.86081 \\ 0.05107 & 0.16422 & 0.389158 & 0.847918\end{array}$ $\begin{array}{llll}0.05107 & 0.160429 & 0.389158 & 0.347918 \\ 0.073356 & 0.152928 & 1.109681 & 0.40038\end{array}$ $\begin{array}{lllll}0.092766 & 0.266071 & 0.906047 & 0.641815\end{array}$ $\begin{array}{lllll}0.105051 & 0.44471 & 1.203955 & 0.955418\end{array}$ $\begin{array}{llllll}0.137519 & 0.291295 & 0.840887 & 0.686718\end{array}$ $\begin{array}{llllll}0.134755 & 0.400055 & 1.503777 & 0.933686\end{array}$ $\begin{array}{lllll}0.077926 & 0.214366 & 0.949633 & 0.819108\end{array}$ $\begin{array}{llll}0.164977 & 0.485574 & 1.189996 & 1.260271 \\ & 0.07714\end{array}$ $\begin{array}{llll}0.097614 & 0.317064 & 1.075284 & 0.677857 \\ & 0.08327 & 0.283005 & 0.650712\end{array}$ $\begin{array}{lllll}0.120502 & 0.395006 & 0.788366 & 0.665403\end{array}$ $\begin{array}{lllll}0.095494 & 0.304593 & 1.25892 & 0.871324\end{array}$ $\begin{array}{llll}0.178691 & 0.368321 & 0.723138 & 0.75187\end{array}$ $\begin{array}{lllll}0.092462 & 0.367114 & 1.216624 & 1.691076\end{array}$ $\begin{array}{llllll}0.091478 & 0.319751 & 0.716276 & 0.748216\end{array}$ $\begin{array}{llll}0.076688 & 0.400829 & 0.578085 & 0.899799\end{array}$ $\begin{array}{llll}0.100714 & 0.268723 & 0.557764 & 1.147369\end{array}$ $\begin{array}{llll}0.18815 & 0.250353 & 1.325762 & 0.905227 \\ 0.197822 & 0.317974 & 1.075452 & 1.116858\end{array}$ $\begin{array}{llll}0.170597 & 0.307017 & 0.592119 & 0.909335\end{array}$ $\begin{array}{lllllll}0.222245 & 0.380056 & 0.796409 & 0.808202\end{array}$ $\begin{array}{lllllll}0.212248 & 0.424086 & 0.819878 & 0.86843\end{array}$ $\begin{array}{lllll}0.227464 & 0.46127 & 0.835362 & 1.225868\end{array}$ $\begin{array}{lllll}0.109399 & 0.236563 & 0.587713 & 0.529187 \\ & 0.151325 & 0.296208 & 1.327717 & 0.619148\end{array}$ $\begin{array}{llll}0.151325 & 0.296208 & 1.324717 & 0.610147\end{array}$ $\begin{array}{lllll}0.200734 & 0.288888 & 0.768089 & 0.779582 \\ 0.12759 & 0.285911 & 0.652162 & 0.707576\end{array}$ 0.126570 .31334800 .7545691279064 $\begin{array}{lllll}0.137394 & 0.415276 & 0.726612 & 0.868712\end{array}$ $\begin{array}{lllll}0.106277 & 0.385841 & 0.727755 & 1.01888\end{array}$ $\begin{array}{lllllllll}0.124579 & 0.267779 & 0.901066 & 0.740187\end{array}$ 0.1339760 .4018130 .8351210 .913973 $\begin{array}{llll}0.227371 & 0.369062 & 0.756709 & 1.063088\end{array}$ $\begin{array}{llll}0.142988 & 0.364877 & 0.785734 & 0.765374 \\ & 0.16683 & 0.322104 & 0.663781\end{array}$ $\begin{array}{llll}0.170449 & 0.262537 & 0.652873 \\ 0 & 0.517265\end{array}$ $\begin{array}{lllll}0.28426 & 0.374279 & 1.127742 & 0.658041\end{array}$ $\begin{array}{lllll}0.245513 & 0.24353 & 0.969393 & 0.846725\end{array}$ $\begin{array}{llll}0.168267 & 0.341253 & 1.328516 & 0.943692\end{array}$ $\begin{array}{lllll}0.243765 & 0.412919 & 0.751608 & 0.887613\end{array}$ $\begin{array}{lllll}0.16887 & 0.329726 & 0.649183 & 0.582005\end{array}$ $\begin{array}{llll}0.199974 & 0.40495 & 1.045296 & 0.891274 \\ 0.195102 & 0.265352 & 0.3361 & 0.893641\end{array}$ $\begin{array}{lllll}0.195102 & 0.265352 & 0.93661 & 0.893641 \\ 0.141689 & 0.335065 & 0.812248 & 1.086095\end{array}$ | 0.219309 | 0.345642 | 2.033384 | 1.222271 |
| :--- | :--- | :--- | :--- | 0.1097840 .2973960 .7933151 .053296 $\begin{array}{lllll}0.205643 & 0.261881 & 0.820912 & 1.083314\end{array}$ $\begin{array}{llll}0.143569 & 0.232453 & 1.20309 & 0.561548\end{array}$ $\begin{array}{llll}0.172645 & 0.358922 & 0.681656 & 0.724674\end{array}$ $\begin{array}{llll}0.209062 & 0.472229 & 0.884543 & 1.244\end{array}$ $\begin{array}{llll}0.11362 & 0.268746 & 0.620917 & 0.680286 \\ 0.175269 & 0.420059 & 0.873942 & 0.97393\end{array}$ $\begin{array}{llll}0.115269 & 0.420059 & 0.873942 & 0.97393 \\ 0.150392 & 0.419424 & 1.35535 & 0.962739\end{array}$ $\begin{array}{lllll}0.214344 & 0.400134 & 0.984841 & 1.220825\end{array}$ $\begin{array}{lllll}0.153693 & 0.3126 & 0.611566 & 0.530872\end{array}$ 0.1287230 .2315920 .9233220 .851162

$\begin{array}{lllllllllll}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561 \\ 100 & 1009.83 & 0.011537 & 0.102049 & 0.101 & 0.110023 & 5.890018 & 4.048303 & 0.005168 \\ 1000 & 7225421 & 0.0073 & 0.102356 & 0.09873 & 0.082814 & 3.99296 & 390313 & 0.009318\end{array}$ $\begin{array}{rrrrrrrr}1000 & 722.5421 & 0.0073 & 0.102356 & 0.099873 & 0.082814 & 3.99296 & 3.90313 \\ 0.009318 \\ 1000 & 1303.767 & 0.006945 & 0.126795 & 0.106335 & 0.105594 & 4.05284 & 4.028797 \\ 0.007816\end{array}$ $\begin{array}{lllllllll}1000 & 1468.719 & 0.009617 & 0.093574 & 0.083098 & 0.086163 & 3.98247 & 4.347284 & 0.010149\end{array}$ $\begin{array}{lllllllll}1000 & 1265.676 & 0.006611 & 0.133749 & 0.076141 & 0.10549 & 4.167701 & 3.366054 & 0.004713\end{array}$ $\begin{array}{lllllllll}10000 & 1217.176 & 0.0007694 & 0.2039 & 0.11013 & 0.144815 & 5.108663 & 5.2036264 & 0.00087941 \\ 1000 & 0.13747\end{array}$ $\begin{array}{llllllll}1000 & 12170.257 & 0.0003597 & 0.172183 & 0.234495 & 0.160637 & 5.298311 & 4.7222655 \\ 1000 & 0.0109554 \\ 1000 & 761.5618 & 0.00359 & 0.064412 & 0.075034 & 0.078481 & 2373977 & 1.272426\end{array}$ $\begin{array}{lllllllll}1000 & 761.5618 & 0.003579 & 0.066412 & 0.075034 & 0.078481 & 2.373977 & 1.972426 & 0.002989 \\ 1000 & 541.1439 & 0.003887 & 0.095512 & 0.099387 & 0.071018 & 3.2548 & 2.621313 & 0.005443\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 666.2193 & 0.00873 & 0.109535 & 0.106178 & 0.102754 & 4.080327 & 3.450504 & 0.008829\end{array}$ $\begin{array}{lllllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.539125 & 4.968915 & 0.01309\end{array}$ $\begin{array}{llllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.5392125 & 4.968915\end{array} 0.01309$ $\begin{array}{lllllllll}1000 & 11777.309 & 0.006974 & 0.142679 & 0.101946 & 0.137164 & 5.821989 & 4.765862 & 0.014689\end{array}$ $\begin{array}{lllllllll}1000 & 770.8305 & 0.001586 & 0.12416 & 0.110096 & 0.105407 & 3.300406 & 3.507801 & 0.011028\end{array}$ $\begin{array}{llllllll}1000 & 1151.999 & 0.006522 & 0.169177 & 0.13858 & 0.14385 & 5.258191 & 4.402483 \\ 1000 & 1241.367 & 0.00720972 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 506889\end{array}$ $\begin{array}{lllllllll}1000 & 1241.367 & 0.007272 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 5.060819 & 0.011069 \\ 1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636\end{array}$ $\begin{array}{lllllllll}1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636 \\ 1000 & 1473.146 & 0.009307 & 0.138317 & 0.109451 & 0.153824 & 4.059715 & 4.710853 & 0.007696\end{array}$ $\begin{array}{lllllllllll}1000 & 966.1628 & 0.004894 & 0.134445 & 0.174338 & 0.129753 & 4.613011 & 4.656877 & 0.010829\end{array}$ $\begin{array}{lllllllll}1000 & 1203.369 & 0.006895 & 0.111525 & 0.065892 & 0.124749 & 6.626926 & 5.077498 & 0.009253\end{array}$ $\begin{array}{llllllll}1000 & 959.8813 & 0.0077 & 0.113609 & 0.137747 & 0.142445 & 5.311178 & 4.162853 \\ 0 & 0.013128\end{array}$ $\begin{array}{lllllllll}1000 & 836.3536 & 0.004295 & 0.090361 & 0.04574 & 0.10898 & 3.386657 & 3.330615 & 0.007843\end{array}$ $\begin{array}{llllllllll}1000 & 846.6717 & 0.009314 & 0.125232 & 0.116362 & 0.092421 & 3.447695 & 3.402139 & 0.010669 \\ 1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.09614 & 4.406911 & 3.316749 & 0.010054\end{array}$ $\begin{array}{lllllllll}1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.096614 & 4.406911 & 3.316749 & 0.010054 \\ 1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018\end{array}$ $\begin{array}{lllllllll}1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018 \\ 1000 & 889.9109 & 0.014421 & 0.147095 & 0.148431 & 0.132884 & 5.232413 & 8.299621 & 0.009512\end{array}$ $\begin{array}{llllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529\end{array}$ $\begin{array}{lllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529 \\ 1000 & 1566.007 & 0.009014 & 0.104414 & 0.073815 & 0.087362 & 4.719183 & 4.181501 & 0.006251\end{array}$ $\begin{array}{lllllllll}1000 & 14922.27 & 0.019463 & 0.146279 & 0.088164 & 0.087652 & 4.719183 & 4.181501 & 0.006251 \\ 1000 & 1272335 & 4.469715 & 0.009748\end{array}$ $\begin{array}{lllllllll}1000 & 1232.601 & 0.020557 & 0.153153 & 0.069042 & 0.146379 & 6.120509 & 5.251961 & 0.012305 \\ 1000 & 583.2728 & 0.005053 & 0.082876 & 0.102909 & 0.000287 & 383033 & 3.151745 & 0.012055\end{array}$ $\begin{array}{lllllllll}1000 & 583.27288 & 0.005053 & 0.088276 & 0.10029 & 0.080287 & 3.380303 & 3.151745 & 0.012056 \\ 1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15877 & 5630514 & 4.128274 & 0.08459\end{array}$ $\begin{array}{lllllllll}1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15837 & 5.630514 & 4.128274 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 960.4729 & 0.017961 & 0.232074 & 0.107411 & 0.129209 & 7.594916 & 5.081136 & 0.004667\end{array}$ $\begin{array}{llllllllll}1000 & 1086.937 & 0.010636 & 0.169562 & 0.238057 & 0.163304 & 4.704986 & 4.150655 & 0.011912\end{array}$ $\begin{array}{lllllllll}1000 & 9555.9543 & 0.019108 & 0.148816 & 0.151553 & 0.161313 & 5.081182 & 4.321502 & 0.016432\end{array}$ $\begin{array}{lllllllll}1000 & 1123.867 & 0.015806 & 0.159322 & 0.128121 & 0.201149 & 5.269776 & 4.719362 & 0.010186\end{array}$ $\begin{array}{lllllllll}1000 & 904.6774 & 0.0151 & 0.168578 & 0.153267 & 0.149597 & 6.090176 & 4.683259 & 0.014775\end{array}$
 $\begin{array}{lllllllll}1000 & 1183.671 & 0.016898 & 0.182995 & 0.260827 & 0.166664 & 5.006511 & 5.042121 & 0.011442 \\ 1000 & 944.8484 & 0.013569 & 0.182379 & 0.15304 & 0.19446 & 5.420815 & 5.695089 & 0.013652\end{array}$ $\begin{array}{lllllllll}1000 & 944.8484 & 0.013569 & 0.182379 & 0.153046 & 0.194476 & 5.420815 & 5.695089 & 0.013652 \\ 1000 & 958.666 & 0.01158 & 0.194628 & 0.281344 & 0.177829 & 5.1252 & 4.494743 & 0.01171\end{array}$ $\begin{array}{llllllllll}1000 & 958.666 & 0.01158 & 0.194188 & 0.281344 & 0.17829 & 5.1252 & 4.494743 & 0.01171 \\ 1000 & 759.4089 & 0.017267 & 0.171005 & 0.129457 & 0.119355 & 5.105776 & 3.708357 & 0.011883\end{array}$ $\begin{array}{lllllllll}1000 & 1032.215 & 0.027246 & 0.197718 & 0.198032 & 0.161281 & 4.181784 & 5.245336 & 0.009763\end{array}$ $\begin{array}{llllllll}1000 & 987.8592 & 0.010513 & 0.190424 & 0.174012 & 0.146373 & 3.863268 & 4.735385 \\ 0.008578\end{array}$ $\begin{array}{lllllllll}1000 & 1356.524 & 0.017078 & 0.152932 & 0.158866 & 0.131476 & 5.006098 & 5.672066 & 0.011279\end{array}$ $\begin{array}{llllllllll}1000 & 972.1363 & 0.016554 & 0.124432 & 0.160092 & 0.149319 & 4.486351 & 4.750738 & 0.007207\end{array}$ $\begin{array}{lllllllll}1000 & 758.3561 & 0.018017 & 0.111291 & 0.08496 & 0.157827 & 5.142362 & 4.018699 & 0.001717\end{array}$ $\begin{array}{lllllllll}1000 & 1197.268 & 0.019938 & 0.156896 & 0.124387 & 0.151774 & 7.154569 & 5.428442 & 0.016625 \\ 1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983\end{array}$ $\begin{array}{lllllllll}1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983 \\ 1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855\end{array}$ $\begin{array}{lllllllll}1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855 \\ 1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696\end{array}$ $\begin{array}{lllllllll}1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696 \\ 1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976\end{array}$ $\begin{array}{lllllllll}1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976 \\ 1000 & 1280.897 & 0.01801 & 0.149515 & 0.25728 & 0.146798 & 5.375388 & 4.469335 & 0.011297\end{array}$ $\begin{array}{llllllllll}1000 & 821.0465 & 0.013111 & 0.163307 & 0.103987 & 0.109989 & 3.213904 & 3.01078 & 0.011848 \\ 1000 & 975.0024 & 0.011618 & 0.204645 & 0.128286 & 0.15069 & 4765431 & 424479 & 0.012293\end{array}$ $\begin{array}{lllllllll}1000 & 975.0024 & 0.0111618 & 0.204645 & 0.128286 & 0.150601 & 4.766431 & 4.244479 & 0.012293 \\ 1000 & 1353.707 & 0.01283 & 0.139656 & 0.261777 & 0.175377 & 578856 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1353.707 & 0.012683 & 0.139656 & 0.261776 & 0.175377 & 5.788586 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1226.563 & 0.011309 & 0.110484 & 0.13354 & 0.081493 & 3.712063 & 3.023272 & 0.008563 \\ 1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839\end{array}$ $\begin{array}{lllllllll}1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839 \\ 1000 & 1504.651 & 0.011049 & 0.115888 & 0.136057 & 0.118441 & 4.878296 & 4.716996 & 0.013628\end{array}$ $\begin{array}{lllllllll}1000 & 1504.0151 & 0.011049 & 0.115888 & 0.136037 & 0.118441 & 4.878696 & 4.716996 & 0.013628 \\ 1000 & 1620.102 & 0.019219 & 0.1676 & 0.239357 & 0.137936 & 5.66185 & 4.911747 & 0.019953\end{array}$ $\begin{array}{llllllllll}1000 & 632.2798 & 0.005042 & 0.144944 & 0.117164 & 0.082411 & 3.868752 & 4.352407 & 0.01109\end{array}$ $\begin{array}{llllllllll}1000 & 1209.605 & 0.012007 & 0.12911 & 0.148343 & 0.127153 & 6.186456 & 4.126125 & 0.013601\end{array}$


[^5]$\begin{array}{lllll}0.156802 & 0.336185 & 0.811196 & 0.660281\end{array}$ $\begin{array}{lllll}0.1304 & 0.416108 & 0.982435 & 0.995332\end{array}$ $\begin{array}{lllll}0.164657 & 0.414642 & 1.286325 & 0.814682\end{array}$ $\begin{array}{lllll}0.16333 & 0.265737 & 1.016627 & 1.505779\end{array}$ $\begin{array}{llllll}0.132063 & 0.150153 & 0.593459 & 0.446199\end{array}$ $\begin{array}{lllll}0.18338 & 0.301563 & 0.63704 & 0.547468\end{array}$ $\begin{array}{lllll}0.193288 & 0.348994 & 0.795246 & 0.624657\end{array}$ $\begin{array}{llll}0.182895 & 0.297279 & 1.522326 & 0.996742\end{array}$ | 0.136166 | 0.448932 | 0.812216 | 0.82741 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.166593 & 0.372239 & 0.740077 & 1.233349\end{array}$ $\begin{array}{lllllll}0.119483 & 0.317661 & 0.955944 & 0.74092\end{array}$ $\begin{array}{llllll}0.092751 & 0.364587 & 1.077446 & 0.670345\end{array}$ $\begin{array}{llllll}0.111184 & 0.329618 & 0.804582 & 0.976275\end{array}$ 0.0825080 .3577870 .5741230 .558875 $\begin{array}{llll}0.093419 & 0.380035 & 0.70936 & 0.535006\end{array}$ $\begin{array}{lllll}0.078632 & 0.327271 & 1.287581 & 0.513471\end{array}$ $\begin{array}{llllll}0.06873 & 0.293347 & 0.6105 & 0.782362\end{array}$ $\begin{array}{llll}0.058713 & 0.586136 & 1.66183 & 0.85649\end{array}$ $\begin{array}{llllll}0.091157 & 0.458787 & 0.886809 & 1.100819\end{array}$ 0.0986020 .639120 .9561670 .905655 0.0838030 .2891851 .5191961 .132648 $\begin{array}{llll}0.097156 & 0.378377 & 2.159132 & 1.047872\end{array}$ $\begin{array}{llll}0.165535 & 0.34826 & 1.100388 & 0.813459 \\ 0.130403 & 0.243433 & 0.89218 & 1.434105\end{array}$ $\begin{array}{lllll}0.069843 & 0.25077 & 0.754967 & 0.703251\end{array}$ $\begin{array}{llll}0.151462 & 0.389644 & 1.021839 & 1.226117\end{array}$ $\begin{array}{lllll}0.125203 & 0.400265 & 1.151153 & 1.301608\end{array}$ $\begin{array}{llllll}0.093322 & 0.268268 & 0.916284 & 0.842831\end{array}$ $\begin{array}{llllll}0.117466 & 0.334103 & 1.234876 & 0.721943\end{array}$ $\begin{array}{lllll}0.07016 & 0.351919 & 0.985397 & 0.894241\end{array}$ $\begin{array}{llll}0.09736 & 0.280501 & 0.912747 & 0.839223 \\ 0.148435 & 0.312799 & 1.322028 & 0.928878\end{array}$ $\begin{array}{llll}181878 & 0.324522 & 0.864256 & 0.933392\end{array}$ $\begin{array}{lllll}0.10109 & 0.360152 & 1.134205 & 0.641044\end{array}$ 0.1131840 .2935090 .6708670 .566619 $\begin{array}{llllllll}0.183946 & 0.261541 & 1.167847 & 0.709528\end{array}$ $\begin{array}{lllll}0.127311 & 0.264422 & 0.981861 & 1.405452\end{array}$ $\begin{array}{llll}0.124406 & 0.262854 & 0.643265 & 0.718278\end{array}$ $\begin{array}{llll}0.141174 & 0.194931 & 0.74248 & 0.580795 \\ 0.140729 & 0.340333 & 1.073844 & 0.678784\end{array}$ $\begin{array}{lllll}0.113245 & 0.251153 & 0.756173 & 1185178\end{array}$ $\begin{array}{lllll}0.186409 & 0.501212 & 1.146377 & 0.825026\end{array}$ $\begin{array}{llllll}0.189009 & 0.39367 & 1.206383 & 0.816558\end{array}$ $\begin{array}{lllllll}0.105343 & 0.273787 & 0.624455 & 0.617395\end{array}$ $\begin{array}{lllll}0.094836 & 0.386038 & 0.65701 & 0.783041\end{array}$ $\begin{array}{llll}0.184515 & 0.366662 & 0.841663 & 0.774902\end{array}$ $\begin{array}{lllll}0.159296 & 0.3642 & 0.577803 & 0.930993 \\ 0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.176784 & 0.256771 & 0.663348 & 0.725808\end{array}$ $\begin{array}{llllll}0.272723 & 0.308461 & 0.547783 & 0.806288\end{array}$ $\begin{array}{lllll}0.177843 & 0.236207 & 0.59383 & 0.5019\end{array}$ $\begin{array}{llllllll}0.171904 & 0.229789 & 0.677011 & 0.889999\end{array}$ $\begin{array}{llllll}0.142661 & 0.285705 & 0.707848 & 0.763686\end{array}$ $\begin{array}{lllll}1.250867 & 0.266861 & 0.786235 & 0.787274\end{array}$ $\begin{array}{lllll}0.204669 & 0.302589 & 0.638354 & 0.775784\end{array}$ $\begin{array}{llll}0.277893 & 0.386646 & 1.012239 & 0.704005\end{array}$ $\begin{array}{lllll}0.144698 & 0.26147 & 0.641721 & 0.738944\end{array}$ $\begin{array}{llllllll}0.155367 & 0.24941 & 0.853529 & 0.836242\end{array}$ $\begin{array}{lllll}0.213997 & 0.37382 & 0.937388 & 0.698065\end{array}$


$\begin{array}{llllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688\end{array}$ $\begin{array}{lllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688 \\ 1000 & 1142.785 & 0.012546 & 0.121967 & 0.070598 & 0.106614 & 4.668582 & 4.401344 & 0.015845 \\ 1000 & 848.7296 & 0.010853 & 0.112926 & 0.094467 & 0.087426 & 4072233 & 4.376148 & 0.01277\end{array}$ $\begin{array}{lllllllll} & 1000 & 848.7296 & 0.010853 & 0.119296 & 0.094467 & 0.087426 & 4.072223 & 4.376148 \\ 1000 & 1256.302 & 0.016924 & 0.128327 & 0.097248 & 0.115543 & 6.561202 & 4.883656 & 0.021988\end{array}$ |  | 1000 | 1111.8 | 0.017854 | 0.14843 | 0.175662 | 0.156673 | 4.700749 | 5.092608 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 930.8341 & 0.008851 & 0.109438 & 0.084826 & 0.08084 & 3.122222 & 3.159298 & 0.012982\end{array}$ $\begin{array}{lllllllll}1000 & 931.1121 & 0.009201 & 0.102716 & 0.148806 & 0.117401 & 3.034296 & 3.409186 & 0.007641 \\ 1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.40861 & 3.238818 & 0.008464\end{array}$ $\begin{array}{lllllllll}1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.408601 & 3.239818 & 0.008464 \\ 1000 & 1350.826 & 0.011173 & 0.147193 & 0.17179 & 0.123483 & 4.702893 & 4.875887 & 0.01006\end{array}$ | 1000 | 1350.826 | 0.011173 | 0.147198 | 0.117179 | 0.123483 | 4.708293 | 4.875887 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1029.198 | 0.012516 | 0.118734 | 0.08782 | 0.15033 | 4.75417 | 3.668177 | $\begin{array}{lllllllll}1000 & 1029.198 & 0.012516 & 0.118734 & 0.08782 & 0.15033 & 4.75417 & 3.668177 & 0.013022 \\ 1000 & 1083.312 & 0.004532 & 0.127741 & 0.162303 & 0.100311 & 4.969491 & 4.280666 & 0.00899\end{array}$ $\begin{array}{llllllllll}1000 & 941.5414 & 0.007205 & 0.170751 & 0.09431 & 0.165456 & 5.743736 & 4.801306 & 0.008869\end{array}$ $\begin{array}{llllllllll}1000 & 1121.326 & 0.007873 & 0.111762 & 0.103718 & 0.091189 & 4.249214 & 3.43527 & 0.005157\end{array}$ $\begin{array}{lllllllll}1000 & 1392.806 & 0.002057 & 0.117566 & 0.071279 & 0.104053 & 4.077246 & 4.517924 & 0.006405\end{array}$ $\begin{array}{lllllllll}1000 & 1091.412 & 0.004959 & 0.093483 & 0.127933 & 0.093236 & 4.849564 & 5.131287 & 0.007653\end{array}$ $\begin{array}{lllllllll}1000 & 900.9049 & 0.00151 & 0.094107 \\ 1000 & 0.031457 & 0.038395 & 5.106462 & 5.043172 & 0.004862\end{array}$ $\begin{array}{llllllll}1000 & 814.7465 & 0.006633 & 0.058072 & 0.033558 & 0.063523 & 4.186504 & 4.720677 \\ 1000 & 1169.004543\end{array}$ $\begin{array}{llllllll}1000 & 1169.241 & 0.005851 & 0.078612 & 0.078335 & 0.083863 & 4.821417 & 5.155334 \\ 10.005118 \\ 1000 & 992.3171 & 0.001816 & 0.0529 & 0.043502 & 0.07013 & 4.210088 & 4.24841\end{array} 0.002556$ $\begin{array}{lllllllll}1000 & 1087.796 & 0.003691 & 0.064379 & 0.04535 & 0.054161 & 3.727103 & 3.970125 & 0.00676\end{array}$ $\begin{array}{lllllllll}1000 & 1501.723 & 0.006928 & 0.125066 & 0.073892 & 0.0064441 & 5.986687 & 8.609248 & 0.013161\end{array}$ $\begin{array}{llllllll}1000 & 1741.611 & 0.011028 & 0.081342 & 0.055671 & 0.099129 & 5.652936 & 7.173677 \\ 0.0009522\end{array}$ $\begin{array}{lllllllll}1000 & 1069.434 & 0.01352 & 0.102832 & 0.069983 & 0.083859 & 4.743862 & 5.328806 & 0.006330 \\ 1000 & 807.8561 & 0.005737 & 0.10065 & 0.052482 & 0.109298 & 479463 & 7.116024 & 0.055518\end{array}$ | 1000 | 807.8561 | 0.005737 | 0.10065 | 0.052482 | 0.109298 | 4.74963 | 7.116024 | 0.005518 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1055.094 & 0.006456 & 0.124252 & 0.100999 & 0.108142 & 5.375173 & 6.070532 & 0.00985 \\ 1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825\end{array}$ $\begin{array}{lllllllll}1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825 \\ 1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551\end{array}$ $\begin{array}{lllllllll}1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551 \\ 1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915\end{array}$ $\begin{array}{lllllllll}1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915 \\ 1000 & 1037.89 & 0.013717 & 0.131911 & 0.074119 & 0.158432 & 4.577732 & 5.320336 & 0.015367\end{array}$ $\begin{array}{lllllllll}1000 & 12655.879 & 0.018224 & 0.170052 & 0.195236 & 0.1554158 & 5.577732 & 5.320336 & 0.015367 \\ 10.959382 & 5.998955 & 0.016473\end{array}$ $\begin{array}{llllllll}1000 & 713.3995 & 0.011314 & 0.110475 & 0.110703 & 0.098273 & 3.444358 & 4.219615\end{array} 0.0 .007909$ $\begin{array}{lllllllll}1000 & 953.8412 & 0.015118 & 0.118741 & 0.160586 & 0.11595 & 4.508187 & 5.121374 & 0.019568 \\ 1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.16585 & 5741598 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.166585 & 5.741589 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 849.4769 & 0.010834 & 0.143213 & 0.144196 & 0.158865 & 4.494118 & 4.937121 & 0.012118 \\ 1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713\end{array}$ $\begin{array}{lllllllll}1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713 \\ 1000 & 1106.164 & 0.014474 & 0.147302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010067\end{array}$ $\begin{array}{lllllllll}1000 & 1106.164 & 0.014474 & 0.1427302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010006 \\ 1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425 \\ 1000 & 1040.059 & 0.009651 & 0.127832 & 0.081775 & 0.114569 & 4.223157 & 4.191935 & 0.014849\end{array}$ $\begin{array}{lllllllll}1000 & 1171.482 & 0.020334 & 0.144164 & 0.133101 & 0.164684 & 4.785438 & 5.575762 & 0.014057\end{array}$ $\begin{array}{lllllllll}1000 & 1646.916 & 0.018529 & 0.159792 & 0.133121 & 0.129915 & 6.947311 & 5.862058 & 0.018404 \\ 1000 & 763.6563 & 0.010716 & 0.140539 & 0.151825 & 0.194316 & 4.498544 & 4.353987 & 0.01900\end{array}$ | 1000 | 763.6563 | 0.010716 | 0.140539 | 0.151825 | 0.124316 | 4.498544 | 4.353987 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1508.203 | 0.010687 | 0.128005 |  |  |  |  | $\begin{array}{lllllllll}1000 & 1508.203 & 0.010687 & 0.128506 & 0.097149 & 0.107359 & 4.612626 & 4.39047 & 0.013133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.856 & 0.012244 & 0.197738 & 0.150688 & 0.176148 & 5.289377 & 6.998236 & 0.011525 \\ 1000 & 1251.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 & 0.014893\end{array}$ $\begin{array}{llllllll}100 & 12121.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 \\ 10.014893 \\ 100 & 1122.649 & 0.015521 & 0.250811 & 0.167484 & 0.202905 & 7.265624 & 5.987701\end{array} 0.020928$ $\begin{array}{llllllllll}1000 & 962.0733 & 0.016625 & 0.215939 & 0.159062 & 0.175853 & 6.560653 & 6.22709 & 0.02142\end{array}$ $\begin{array}{llllllllll}1000 & 770.4902 & 0.016994 & 0.139025 & 0.148678 & 0.097901 & 4.236309 & 3.655146 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 956.9821 & 0.013562 & 0.135491 & 0.199865 & 0.130878 & 4.243713 & 3.459821 & 0.011978\end{array}$ $\begin{array}{llllllllll}1000 & 937.4786 & 0.021033 & 0.166805 & 0.157606 & 0.172175 & 5.617882 & 6.454599 & 0.018226\end{array}$ $\begin{array}{lllllllll}1000 & 961.2404 & 0.015993 & 0.127944 & 0.129742 & 0.137112 & 6.13795 & 4.861825 & 0.021483\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 820.2564 & 0.007257 & 0.10937 & 0.111452 & 0.100914 & 4.438437 & 3.902792 & 0.01279 \\ 1000 & 1335.21 & 0.01364 & 0.154044 & 0.122629 & 0.142855 & 5.881386 & 6.039327 & 0.017442\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.1345544 & 0.121403 & 0.129164 & 4.341095 & 5.5675332 & 0.014039\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.134554 & 0.121403 & 0.129164 & 4.341095 & 5.567532 & 0.014039 \\ 1000 & 1244.63 & 0.011247 & 0.174337 & 0.132617 & 0.139297 & 6.197774 & 4.604954 & 0.017482\end{array}$ $\begin{array}{lllllllll}1000 & 971.2786 & 0.011286 & 0.151323 & 0.090651 & 0.117186 & 4.558169 & 3.894795 & 0.016378\end{array}$ $\begin{array}{lllllllll}1000 & 988.7095 & 0.01205 & 0.216306 & 0.209494 & 0.174216 & 5.60198 & 5.214343 & 0.016766\end{array}$ $\begin{array}{lllllllll}1000 & 783.35529 & 0.014748 & 0.204592 & 0.119577 & 0.160036 & 4.650595 & 4.77006 & 0.018953\end{array}$ $\begin{array}{lllllllll}1000 & 1040.655 & 0.011167 & 0.213869 & 0.199556 & 0.212736 & 5.314038 & 6.051662 & 0.021187\end{array}$

 $\begin{array}{lllllllll}1000 & 1088.687 & 0.016169 & 0.230405 & 0.156985 & 0.186729 & 5.378874 & 4.971244 & 0.01616 \\ 1000 & 1165.366 & 0.017253 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019575\end{array}$ $\begin{array}{lllllllll}1000 & 1655.366 & 0.017585 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019557 \\ 1000 & 1095.185 & 0.015285 & 0.175638 & 0.186831 & 0.186145 & 5.131794 & 5.412978 & 0.014565\end{array}$ $\begin{array}{llllllllll}1000 & 783.2027 & 0.015137 & 0.155587 & 0.125767 & 0.164141 & 4.512005 & 4.913963 & 0.020565\end{array}$ $\begin{array}{llllllllll}1000 & 1233.605 & 0.018933 & 0.264853 & 0.114426 & 0.161266 & 5.761261 & 5.426245 & 0.028715\end{array}$



 | 7271.74 | 539996.1 |
| :--- | :--- |
| 6863.46 | 63308 | $\begin{array}{lll}6863.46 & 63308.6 \\ 7064.51 & 55434.08\end{array}$ $7884.84 \quad 59066.5$ 5685.36 55642.43 8063.9553674 .09 7747.5158694 .55 $\begin{array}{ll}8114.84 & 64530.11 \\ 7691.57 & 81778.95\end{array}$ $\begin{array}{ll}7691.57 & 81778.95 \\ 7276.82 & 70498.48\end{array}$ 7216.8270498 .48

$6400.78 \quad 6988.91$ $7402.83 \quad 61746.68$ 6760.9456398 .86 $\begin{array}{lr}7012.72 \quad 60638 \\ 7529.9 & 57392.69\end{array}$ $\begin{array}{rr}7529.9 & 57392.69 \\ 7715.98 & 60478.69 \\ 6750.79 & 88640.01\end{array}$ $\begin{array}{ll}6750.79 & 88640.01 \\ 8953.37 & 82770.09\end{array}$ 8071.0765043 .34 9698.4472043 .68 $\begin{array}{lr}8543.6 & 59411.5 \\ 7143.73 & 61340.75\end{array}$ 7143.7361340 .75 $\begin{array}{ll}7640.72 & 68951.23 \\ 8057.84 & 60591.34\end{array}$ 7416.0561896 .14 6919.361766 .07 $273.08 \quad 7395.72 \quad 60737.03$ $\begin{array}{llll}273.08 & 8082.27 & 90576.75\end{array}$ $\begin{array}{lll}300.1 & 7404.87 & 92976.08\end{array}$ $\begin{array}{lll} & 769.07 & 76355.62\end{array}$ $6871.58 \quad 57426.61$
8946.24
61309.97 $\begin{array}{cc}8946.24 & 61309.97 \\ 7131.54 & 57214.1\end{array}$ 6957.88 60127.2 $\begin{array}{ll}7286.98 & 64449.8 \\ 7610.22 & 62727.58\end{array}$ $\begin{array}{ll}7610.22 & 62727.58 \\ 9326.78 & 69035.76\end{array}$ $9326.18 \quad 69035.76$

6884.78 66573.16 $\begin{array}{lll}6384.78 & 66573.16 \\ 8666.9 & 53964.73\end{array}$ $7136.62 \quad 53134.79$ $7173.19 \quad 53372.42$ $8218.68 \quad 61948.63$ 7504.48 57806.64 \begin{tabular}{lll}
7759.72 \& 55859.88 <br>
7661.06 \& 53113.5 <br>
\hline

 $\begin{array}{ll}7661.06 & 53113.5 \\ 7901.12 & 62771.02\end{array}$ 

\& 7901.12 \& 62771.02 <br>
\hline 106 \& 7806.51 \& 59928.32

 

7905.19 \& 68037.44 <br>
\hline
\end{tabular} 9351.2762371 .08 $\begin{array}{llll}6684.83 & 59778.33\end{array}$ $6739.63 \quad 64755.03$ $\begin{array}{lll}.6 & 6675.69 & 61356.7 \\ 8 & 7090.92 & 61666.83\end{array}$ $\begin{array}{ccc}08 & 7090.92 & 61666.83 \\ 08 & 10128.67 & 62444.3\end{array}$ 3606 726361632247.3 $\begin{array}{llll} & 66.04 & 6874.63 & 6681237\end{array}$ $\begin{array}{lll}83.04 & 8673.01 & 64884.75 \\ 79.03 & 8076.16 & 66751.77\end{array}$ $\begin{array}{llll}198.04 & 7844.15 & 64477.33\end{array}$ $\begin{array}{lllll} & 185.04 & 9073.73 & 86321.6\end{array}$

$\begin{array}{lllll}0.230898 & 0.270186 & 0.78004 & 0.928512\end{array}$ $\begin{array}{lllll}0.140134 & 0.24849 & 0.689119 & 0.680883\end{array}$ $\begin{array}{llll}0.140134 & 0.24849 & 0.649119 & 0.680883 \\ 0.130199 & 0.27459 & 0.689396 & 0.624972\end{array}$ $\begin{array}{lllll}0.163548 & 0.279662 & 0.589341 & 0.570727\end{array}$ 0.1761460 .3362370 .8626931 .026587 $\begin{array}{lllll}0.292494 & 0.30515 & 0.805705 & 1.195571\end{array}$ $\begin{array}{lllllll}0.201254 & 0.324478 & 0.976163 & 0.729682\end{array}$ $\begin{array}{llll}0.227063 & 0.307171 & 0.714608 & 0.631178\end{array}$ $\begin{array}{llll}0.190455 & 0.289364 & 0.785079 & 0.801556 \\ 0\end{array}$ $\begin{array}{llllll}0.072224 & 0.226845 & 0.782627 & 0.539717\end{array}$ $\begin{array}{llllll}0.113076 & 0.447639 & 0.970233 & 1.027199\end{array}$ $\begin{array}{lllllll}0.119926 & 0.28652 & 0.783641 & 0.633011\end{array}$ $\begin{array}{llllllll}0.112798 & 0.225804 & 0.691258 & 0.503332\end{array}$ $\begin{array}{llllll}0.131127 & 0.389874 & 0.819167 & 0.671266\end{array}$ $\begin{array}{lllll}0.099195 & 0.319679 & 0.781798 & 0.912379\end{array}$ $\begin{array}{llll}0.078449 & 0.280053 & 1.019431 & 0.671522\end{array}$ $\begin{array}{lllll}0.129278 & 0.351031 & 0.688742 & 0.766473 \\ 0.080671 & 0.2815 & 0.822044 & 0.8714\end{array}$ $\begin{array}{lllll}0.071232 & 0.260217 & 0.651118 & 0.725763\end{array}$ $\begin{array}{lllll}0.128938 & 0.321683 & 0.858014 & 0.917607\end{array}$ $\begin{array}{llllllll}0.084558 & 0.229801 & 0.823052 & 0.701739\end{array}$ $\begin{array}{llllll}0.108788 & 0.224678 & 0.617825 & 0.620693\end{array}$ $\begin{array}{llllll}0.121337 & 0.295041 & 0.716769 & 0.704293\end{array}$ $\begin{array}{llll}0.160446 & 0.41753 & 1.023968 & 1.09994\end{array}$ $\begin{array}{lllll}0.112662 & 0.26675 & 1.750835 & 0.599635 \\ 0.170836 & 0.328143 & 1.061372 & 0.833613\end{array}$ $\begin{array}{lllll}0.093653 & 0.250912 & 0.742392 & 0.816426\end{array}$ $\begin{array}{llllllll}0.106374 & 0.254205 & 0.619052 & 1.153454\end{array}$ 0.0897620 .2542160 .6458190 .585819 $\begin{array}{lllllll}0.154657 & 0.352251 & 0.961932 & 0.771304\end{array}$ $\begin{array}{llllll}0.163784 & 0.256604 & 0.922265 & 0.666348\end{array}$ $\begin{array}{llll}0.110016 & 0.286585 & 1.017102 & 0.716451\end{array}$ $\begin{array}{llll}0.160181 & 0.330107 & 1.09292 & 0.877463 \\ 0.15576 & 0.327387 & 0.774473 & 0.636664\end{array}$ $\begin{array}{llllll}0.100747 & 0.282418 & 0.751952 & 0.771978\end{array}$ $\begin{array}{llllll}0.134663 & 0.363025 & 0.915383 & 0.851997\end{array}$ $\begin{array}{lllll}0.082228 & 0.307388 & 0.624414 & 0.864742\end{array}$ $\begin{array}{llllll}0.1026 & 0.24928 & 0.672926 & 0.493024\end{array}$ $\begin{array}{llll}0.106676 & 0.289909 & 0.72159 & 0.67546\end{array}$ $\begin{array}{llll}0.094457 & 0.343748 & 0.768714 & 0.6651\end{array}$ | 0.114449 | 0.25875 | 0.557112 | 0.601476 |
| :--- | :--- | :--- | :--- | :--- |
| 0.135911 | 0.360806 | 0.987067 | 1.088157 | $\begin{array}{lllllll}0.090789 & 0.371671 & 0.772148 & 0.782229\end{array}$ $\begin{array}{lllllll}0.09262 & 0.325875 & 0.561266 & 0.73709\end{array}$ $\begin{array}{llllll}0.083881 & 0.299667 & 0.830413 & 0.666511\end{array}$ $\begin{array}{llllll}0.1447 & 0.422293 & 0.945582 & 0.734678\end{array}$ $\begin{array}{llllll}0.143443 & 0.3523 & 0.919571 & 0.587507\end{array}$ $\begin{array}{llll}0.167543 & 0.396282 & 0.970944 & 1.069375\end{array}$ $\begin{array}{llll}0.124258 & 0.275105 & 0.668327 & 0.602392\end{array}$ $\begin{array}{lllll}0.134348 & 0.270676 & 0.98816 & 0.550136 \\ 0.192105 & 0.338689 & 0.636247 & 0.588992\end{array}$ $\begin{array}{lllll}141369 & 0.546656 & 0.764483 & 0.443153\end{array}$ $\begin{array}{lllll}187319 & 0.283041 & 0.853597 & 0.964403\end{array}$ $\begin{array}{llllllll}0.09474 & 0.310334 & 0.739887 & 0.903526\end{array}$ $\begin{array}{llllll}0.106081 & 0.271062 & 0.719596 & 0.815575\end{array}$ $\begin{array}{lllll}0.182271 & 0.288128 & 0.823962 & 0.725196\end{array}$ $\begin{array}{llllll}0.206834 & 0.290876 & 0.651324 & 0.821548\end{array}$ $\begin{array}{llll}0.148626 & 0.282595 & 0.860872 & 0.592707\end{array}$ $\begin{array}{llllll}146174 & 0.25238 & 0.90399 & 1.36047\end{array}$ $\begin{array}{lllllll}0.113991 & 0.301817 & 0.792045 & 0.599215\end{array}$ $\begin{array}{lllll}0.156446 & 0.329405 & 1.0465 & 0.483873\end{array}$ $0.154986 \quad 0.3312 \quad 0.7532071 .105434$


$\begin{array}{lllllllll}1000 & 887.9524 & 0.01473 & 0.248069 & 0.198029 & 0.142786 & 5.137688 & 4.980527 & 0.018006\end{array}$ $\begin{array}{llllllll}1000 & 867.3468 & 0.010131 & 0.143903 & 0.13618 & 0.116735 & 4.406122 & 3.884694\end{array} 0.0177642$ $\begin{array}{lllllllll}1000 & 784.7645 & 0.009371 & 0.140954 & 0.147785 & 0.129767 & 4.070304 & 4.461351 & 0.01728 \\ 1000 & 945.9256 & 0.011471 & 0.158451 & 0.1391 & 0.131851 & 4.899382 & 4.566477 & 0.016856\end{array}$ | 1000 | 884.3188 | 0.017953 | 0.204395 | 0.152425 | 0.128734 | 5.824482 | 5.175281 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1160.324 & 0.017389 & 0.176751 & 0.264256 & 0.156078 & 4.651903 & 5.425834 & 0.017313\end{array}$ $\begin{array}{lllllllll}1000 & 1313.846 & 0.021562 & 0.147396 & 0.219131 & 0.143996 & 6.334532 & 4.999667 & 0.01948 \\ 1000 & 798.964 & 0.015901 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 797.964 & 0.015991 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238 \\ 1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142\end{array}$ $\begin{array}{lllllllll}1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142 \\ 1000 & 744.1377 & 0.010678 & 0.130265 & 0.119946 & 0.11263 & 4.4697 & 5.638563 & 0.015663\end{array}$ $\begin{array}{llllllll}1000 & 846.1947 & 0.021427 & 0.134484 & 0.152021 & 0.127934 & 4.442689 & 5.11043\end{array} 0.014506$ $\begin{array}{lllllllll}1000 & 1249.231 & 0.021547 & 0.159864 & 0.207584 & 0.167414 & 5.746253 & 7.260263 & 0.021368\end{array}$ $\begin{array}{lllllllll}1000 & 925.0433 & 0.019497 & 0.138618 & 0.109427 & 0.134722 & 5.552787 & 5.497958 & 0.012596\end{array}$ $\begin{array}{lllllllll}1000 & 7544.79 & 0.016204 & 0.099948 & 0.120966 & 0.101404 & 3.955438 & 3.921658 & 0.009837\end{array}$ $\begin{array}{lllllllll}1000 & 1172.893 & 0.018971 & 0.168977 & 0.156296 & 0.138887 & 5.30376 & 5.447933 & 0.02122\end{array}$ | 1000 | 963.4756 | 0.015143 | 0.205379 | 0.176242 | 0.151974 | 5.20527 | 4.708572 | 0.012716 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 771.4656 & 0.011436 & 0.214561 & 0.171017 & 0.115102 & 5.057164 & 4.70287 & 0.007493\end{array}$ $\begin{array}{lllllllll}1000 & 1225.718 & 0.01196 & 0.171336 & 0.182459 & 0.168498 & 4.824154 & 7.528699 & 0.019295 \\ 1000 & 882.6782 & 0.012412 & 0.152871 & 0.149521 & 0.131225 & 5.26159 & 5.761035 & 0.015812\end{array}$ $\begin{array}{lllllllll}1000 & 1338.528 & 0.013184 & 0.15334 & 0.158204 & 0.119528 & 5.262879 & 5.02923 & 0.018263\end{array}$ $\begin{array}{lllllllll}1000 & 1296.306 & 0.011512 & 0.20774 & 0.295202 & 0.210256 & 5.683772 & 7.912853 & 0.015276\end{array}$ $\begin{array}{lllllllll}1000 & 745.6465 & 0.010502 & 0.194005 & 0.168001 & 0.155749 & 5.852612 & 5.144948 & 0.020733\end{array}$ $\begin{array}{lllllllll}1000 & 757.2693 & 0.012108 & 0.166176 & 0.166317 & 0.1497 & 4.689956 & 3.864714 & 0.016831\end{array}$ $\begin{array}{llllllll}1000 & 1015.736 & 0.014527 & 0.205563 & 0.158379 & 0.168683 & 5.32004 & 5.425239 \\ 0.0221289\end{array}$ $\begin{array}{llllllll}1000 & 1074.823 & 0.013927 & 0.203735 & 0.207421 & 0.217874 & 6.368878 & 6.819768 \\ 1000 & 926.026484 \\ 10855 & 0.015085 & 0.230827 & 0.204376 & 0.182807 & 5.903455 & 5.26396 & 0.024046\end{array}$ | 1000 | 926.5835 | 0.015085 | 0.230827 | 0.204376 | 0.182807 | 5.903455 | 5.26396 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.024046 |  |  |  |  |  |  |
| 1000 | 898.2204 | 0.015649 | 0.195102 | 0.157489 | 0.16402 | 5.050822 | 5.584951 |
| 0 | 0.019425 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 898.2204 & 0.015649 & 0.195102 & 0.157489 & 0.16402 & 5.050822 & 5.584951 & 0.019425 \\ 1000 & 912.5726 & 0.009262 & 0.181564 & 0.186274 & 0.17997 & 4.84903 & 5.128545 & 0.016212\end{array}$

 $\begin{array}{lllllllll}1000 & 1275.078 & 0.012698 & 0.205607 & 0.137215 & 0.174809 & 4.110682 & 4.359856 & 0.016354\end{array}$ $\begin{array}{lllllllll}1000 & 1061.234 & 0.019382 & 0.225091 & 0.319113 & 0.242399 & 5.718729 & 5.575098 & 0.0233336\end{array}$ $\begin{array}{llllllll}1000 & 784.7304 & 0.015147 & 0.224046 & 0.23778 & 0.201353 & 5.197088 & 6.90628 \\ 10.014226\end{array}$ $\begin{array}{llllllll}1000 & 1062.57 & 0.015462 & 0.231463 & 0.261693 & 0.259148 & 5.505104 & 8.205297 \\ 0.0222038\end{array}$ $\begin{array}{lllllllll}1000 & 1019.717 & 0.017795 & 0.24926 & 0.179088 & 0.231229 & 6.305983 & 6.549386 & 0.01858 \\ 1000 & 1138.599 & 0.013649 & 0.205529 & 0.1835 & 0.170692 & 4.715548 & 4.682748 & 0.019628\end{array}$ $\begin{array}{llllllllll}1000 & 1155.414 & 0.007229 & 0.199426 & 0.130836 & 0.192509 & 6.229401 & 5.056332 & 0.011295\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 999.3208 & 0.014832 & 0.190173 & 0.168107 & 0.160541 & 5.63703 & 5.371055 & 0.012433\end{array}$ $\begin{array}{llllllllllll}1000 & 1611.522 & 0.014435 & 0.213377 & 0.138627 & 0.205949 & 4.957959 & 5.090189 & 0.015413\end{array}$ $\begin{array}{lllllllll}1000 & 811.3092 & 0.016964 & 0.169815 & 0.119202 & 0.16115 & 4.467684 & 4.691604 & 0.020149\end{array}$ $\begin{array}{lllllllll}1000 & 1041.512 & 0.01846 & 0.218625 & 0.170534 & 0.206347 & 5.777996 & 5.65135 & 0.024937 \\ 1000 & 809.1549 & 0.015392\end{array}$ $\begin{array}{lllllllll}1000 & 809.1549 & 0.015332 & 0.196723 & 0.226187 & 0.188958 & 7.1115366 & 6.2318815 & 0.019692 \\ 1000 & 9222.9062 & 0.015924 & 0.122791 & 0.113854 & 0.127121 & 306658 & 4.48765 & 0.009234\end{array}$ \begin{tabular}{lllllllll}
1000 \& 922.9062 \& 0.015924 \& 0.122791 \& 0.113854 \& 0.127121 \& 3.906758 \& 4.488765 \& 0.009234 <br>
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 $\begin{array}{lllllllll}1000 & 801.508 & 0.016762 & 0.147692 & 0.203826 & 0.17376 & 6.478555 & 4.779396 & 0.020119 \\ 1000 & 1457.967 & 0.017712 & 0.149609 & 0.210551 & 0.182234 & 4.758408 & 4.207585 & 0.014774\end{array}$ $\begin{array}{lllllllll}1000 & 815.3718 & 0.017265 & 0.163488 & 0.177886 & 0.154695 & 4.041078 & 3.570728 & 0.0155\end{array}$ $\begin{array}{lllllllll}1000 & 1408.84 & 0.025148 & 0.224114 & 0.147099 & 0.21362 & 6.227531 & 5.564914 & 0.01595\end{array}$ $\begin{array}{lllllllll}1000 & 1364.606 & 0.029779 & 0.1752 & 0.207639 & 0.24573 & 6.111625 & 5.587419 & 0.018034\end{array}$ $\begin{array}{lllllllll}1000 & 1034.668 & 0.024839 & 0.2047 & 0.166096 & 0.190413 & 5.739475 & 4.901621 & 0.014788\end{array}$ $\begin{array}{lllllllll}1000 & 1687.716 & 0.026204 & 0.18178 & 0.17546 & 0.195454 & 6.326394 & 5.204213 & 0.019607\end{array}$ $\begin{array}{lllllllll}1000 & 937.2133 & 0.010714 & 0.159886 & 0.198541 & 0.114558 & 4.703155 & 4.431773 & 0.015083\end{array}$ $\left.\begin{array}{llllllll}1000 & 955.6852 & 0.019208 & 0.192642 & 0.21077 & 0.192658 & 5.535497 & 5.040963 \\ 10.014935 \\ 1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095\end{array}\right) 0.01408$ $\begin{array}{lllllllll}1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095 & 0.01408 \\ 1000 & 721.7317 & 0.011259 & 0.126972 & 0.153926 & 0.109748 & 5.168438 & 4.081017 & 0.019884\end{array}$ $\begin{array}{lllllllll}1000 & 978.8613 & 0.020827 & 0.171602 & 0.138375 & 0.135657 & 4.608329 & 4.898688 & 0.01418\end{array}$ $\begin{array}{lllllllll}1000 & 858.4745 & 0.016065 & 0.183134 & 0.148942 & 0.162199 & 4.585432 & 5.236608 & 0.016912\end{array}$ $\begin{array}{lllllllll}1000 & 1139.327 & 0.017657 & 0.181998 & 0.177058 & 0.163322 & 4.226618 & 4.617964 & 0.013363\end{array}$ $\begin{array}{lllllllll}1000 & 908.34406 & 0.018291 & 0.220114 & 0.22481 & 0.224499 & 5.249327 & 5.42221 & 0.0255131\end{array}$ $\begin{array}{lllllllll}1000 & 1059.108 & 0.013934 & 0.194648 & 0.141159 & 0.201267 & 6.749642 & 4.906608 & 0.024667\end{array}$ 

1000 \& 1018.021 \& 0.01271 \& 0.198637 \& 0.185134 \& 0.179844 \& 4.921095 \& 5.086247 \& 0.014283 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 1030.122 & 0.017085 & 0.218791 & 0.210625 & 0.151154 & 5.179916 & 5.981964 & 0.017916 \\ 1000 & 1038.126 & 0.012572 & 0.173904 & 0.135619 & 0.141515 & 6.257767 & 5.54675 & 0.022119\end{array}$ $\begin{array}{lllllllll}1000 & 859.6989 & 0.007786 & 0.15552 & 0.122057 & 0.109844 & 4.642348 & 4.549868 & 0.013024\end{array}$ $\begin{array}{lllllllll}1000 & 1003.592 & 0.008224 & 0.13663 & 0.147302 & 0.130995 & 4.760769 & 4.641888 & 0.020251\end{array}$ $\begin{array}{llllllllll}1000 & 1136.455 & 0.010831 & 0.151009 & 0.154676 & 0.133461 & 6.096725 & 6.86855 & 0.022383\end{array}$



$\begin{array}{llll}0.165271 & 0.338562 & 0.732043 & 0.802811\end{array}$ $\begin{array}{llll}0.08833 & 0.284086 & 0.887289 & 0.899417\end{array}$ $\begin{array}{llllllllll}0.158159 & 0.397397 & 0.888639 & 0.882836\end{array}$ $\begin{array}{llll}0.10796 & 0.32011 & 0.691909 & 0.91527\end{array}$ $\begin{array}{llll}0.172038 & 0.362428 & 0.911608 & 0.877064 \\ 0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0\end{array}$ $\begin{array}{llll}0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0.109168 & 0.359337 & 0.992617 & 1.11677\end{array}$ $\begin{array}{llll}0.129168 & 0.359337 & 0.992617 & 1.1167 \\ 0.176259 & 0.307427 & 0.841979 & 0.816764\end{array}$ $\begin{array}{lllll}0.085104 & 0.199712 & 0.556872 & 0.422675\end{array}$ 01181470.267365 $\begin{array}{llllll}0.181517 & 0.190571 & 0.658322 & 0.499067\end{array}$ $\begin{array}{lllll}0.185258 & 0.326195 & 0.650961 & 0.815807\end{array}$ $\begin{array}{lllll}0.123327 & 0.307502 & 0.665961 & 0.794382\end{array}$ $\begin{array}{llll}0.169806 & 0.28978 & 0.710669 & 0.84874\end{array}$ $\begin{array}{lllll}0.146305 & 0.317436 & 0.802996 & 0.794008\end{array}$ $\begin{array}{llll}0.219157 & 0.22734 & 0.856035 & 1.020257 \\ 0.187093\end{array}$ $\begin{array}{llll}0.181093 & 0.354251 & 0.873314 & 1.071379 \\ 0.162029 & 0.258501 & 0.675359 & 0.575371\end{array}$ $\begin{array}{llll}0.136132 & 0.197712 & 0.530078 & 0.482802\end{array}$ $\begin{array}{lllll}0.121159 & 0.213008 & 0.608518 & 0.922193\end{array}$ $\begin{array}{lllll}0.155293 & 0.272129 & 0.660606 & 0.868754\end{array}$ $\begin{array}{llllll}0.177759 & 0.197887 & 0.557299 & 0.581829\end{array}$ $\begin{array}{llll}0.321271 & 0.276006 & 1.062382 & 0.814761\end{array}$ $\begin{array}{llll}0.289553 & 0.225967 & 0.738939 & 0.608307\end{array}$ $\begin{array}{llll}0.330662 & 0.298546 & 0.802771 & 0.736004 \\ & 0336791 & 0.295036 & 0.7079\end{array}$ $\begin{array}{llll}0.235495 & 0.292528 & 1.23221 & 0.899102\end{array}$ $\begin{array}{lllll}0.284802 & 0.330788 & 1.383711 & 1.264245\end{array}$ $\begin{array}{lllll}0.198263 & 0.228588 & 0.90775 & 0.849767\end{array}$ $0.2379470 .3216510 .779528 \quad 0.891981$ $\begin{array}{llll}0.203474 & 0.204946 & 0.594556 & 0.532672\end{array}$ $\begin{array}{llll}0.135049 & 0.181097 & 0.478103 & 0.428293\end{array}$ $\begin{array}{llll}0.230671 & 0.390474 & 1.044096 & 1.090519 \\ 0\end{array}$ $\begin{array}{lllll}0.197074 & 0.417694 & 0.727016 & 0.81183\end{array}$ $\begin{array}{lllll}0.237592 & 0.330438 & 0.802532 & 1.192467\end{array}$ $\begin{array}{lllll}0.123695 & 0.29601 & 0.565638 & 0.534249\end{array}$ $\begin{array}{llllll}0.130955 & 0.305862 & 0.640145 & 0.846337\end{array}$ $\begin{array}{lllll}0.125303 & 0.286481 & 0.643937 & 0.563699\end{array}$ $\begin{array}{llll}0.126027 & 0.21043 & 0.681041 & 0.546393\end{array}$ $\begin{array}{llll}0.181197 & 0.335136 & 0.736292 & 0.752254 \\ & 0.72715 & 3323128\end{array}$ $\begin{array}{llll}0.2104947 & 0.314711 & 1.8282044 & 0.854767 \\ 0.65071\end{array}$ $\begin{array}{llll}0.095178 & 0.333466 & 0.570041 & 1.077624\end{array}$ $\begin{array}{lllll}0.151505 & 0.382963 & 0.840817 & 0.676775\end{array}$ $\begin{array}{llllll}0.221014 & 0.297386 & 0.863257 & 0.674005\end{array}$ $\begin{array}{llllll}0.138012 & 0.32848 & 1.361703 & 0.742897\end{array}$ $\begin{array}{lllll}0.128781 & 0.36134 & 0.957561 & 0.72816\end{array}$ $\begin{array}{rlll}0.103028 & 0.219795 & 0.654247 & 0.502931 \\ 0.2437 & 0.353494 & 0.763599 & 1039793\end{array}$ | 0.175402 | 0.353494 | 0.763599 | 1.039793 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.164517 & 0.362175 & 0.906525 & 0.993519\end{array}$ $\begin{array}{lllll}0.171937 & 0.260152 & 0.938156 & 0.739868\end{array}$ $\begin{array}{llll}0.132644 & 0.174829 & 0.809374 & 0.470407\end{array}$ $\begin{array}{llll}0.201009 & 0.318549 & 0.687642 & 0.75015\end{array}$ $\begin{array}{llll}0.157142 & 0.333203 & 1.253733 & 0.921224\end{array}$ $0.207218 \quad 0.412280 .9623391 .417192$ $\begin{array}{llll}0.111799 & 0.199117 & 0.518257 & 0.501246 \\ 0.232784 & 0.342213 & 0.890702 & 0.819462\end{array}$ $\begin{array}{lllll}0.2348387 & 0.329643 & 0.89270255 & 0.819462 \\ 0.584618\end{array}$ $\begin{array}{lllll}0.037689 & 0.209663 & 0.505199 & 0.580535\end{array}$ $\begin{array}{llllll}0.141267 & 0.381155 & 0.761783 & 1.014944\end{array}$ 0.102270 .2975240 .7467080 .630682

$\begin{array}{lllllllllllll}1000 & 1176.392 & 0.009339 & 0.223882 & 0.147924 & 0.197233 & 5.936977 & 5.828634 & 0.032122\end{array}$ $\begin{array}{llllllll}1000 & 1449.911 & 0.008455 & 0.201244 & 0.228758 & 0.182252 & 5.894502 & 7.321412\end{array} 0.0180344$ $\begin{array}{lllllllll}1000 & 1206.725 & 0.006613 & 0.208257 & 0.166548 & 0.182256 & 5.410039 & 6.298387 & 0.02793\end{array}$ $\begin{array}{lllllllll}1000 & 1153.112 & 0.011608 & 0.201524 & 0.189737 & 0.223577 & 6.153722 & 6.539302 & 0.016479\end{array}$ $\begin{array}{lllllllllll}1000 & 879.7162 & 0.005654 & 0.15734 & 0.184669 & 0.141257 & 4.800851 & 4.911867 & 0.017684\end{array}$ $\begin{array}{llllllllll}1000 & 1027.488 & 0.016847 & 0.164701 & 0.21048 & 0.190027 & 5.177158 & 5.763312 & 0.023053\end{array}$ $\begin{array}{lllllllll}1000 & 951.7502 & 0.006738 & 0.180962 & 0.145331 & 0.164149 & 6.057076 & 5.41244 & 0.023046 \\ 1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824\end{array}$ $\begin{array}{lllllllll}1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824 \\ 1000 & 885.1377 & 0.006764 & 0.198827 & 0.131814 & 0.169379 & 5426682 & 6.010938 & 0.021124\end{array}$ $\begin{array}{lllllllllllll}1000 & 654.2223 & 0.005489 & 0.121579 & 0.129549 & 0.116736 & 4.104841 & 3.968783 & 0.02032\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 918.0312 & 0.009419 & 0.104564 & 0.136506 & 0.085761 & 4.602403 & 4.310337 & 0.018862\end{array}$ $\begin{array}{lllllllllll}1000 & 700.2395 & 0.008863 & 0.144063 & 0.103809 & 0.121134 & 4.537471 & 4.491602 & 0.016519\end{array}$ $\begin{array}{lllllllll}1000 & 869.2292 & 0.008412 & 0.14245 & 0.11005 & 0.114931 & 4.595378 & 4.358848 & 0.014358\end{array}$ $\begin{array}{lllllllll}1000 & 869.3904 & 0.006875 & 0.125011 & 0.136946 & 0.119646 & 4.237999 & 4.094896 & 0.017452\end{array}$ $\begin{array}{lllllllll}1000 & 891.4142 & 0.011485 & 0.143277 & 0.1025 & 0.146308 & 6.116371 & 5.315717 & 0.015843 \\ 1000 & 118231 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069\end{array}$ $\begin{array}{lllllllll}1000 & 1182.31 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069 \\ 1000 & 1043.289 & 0.007826 & 0.184451 & 0.123694 & 0.112409 & 4.95562 & 6.974302 & 0.019683\end{array}$ $\begin{array}{lllllllll}1000 & 1043.289 & 0.007826 \\ 1000 & 954.4033 & 0.011123 & 0.137867 & 0.090998 & 0.118355 & 3.983603 & 4.160302 & 0.011392\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 893.2369 & 0.011098 & 0.095617 & 0.090043 & 0.1213 & 3.495246 & 3.893414 & 0.017505\end{array}$ $\begin{array}{llllllllll}1000 & 835.9977 & 0.010314 & 0.136617 & 0.12727 & 0.147919 & 4.960541 & 5.59141 & 0.014411\end{array}$ $\begin{array}{lllllllll}1000 & 1297.313 & 0.014084 & 0.140502 & 0.109721 & 0.152725 & 4.666128 & 5.403496 & 0.016234\end{array}$ $\begin{array}{llllllllll}1000 & 752.0421 & 0.007843 & 0.147911 & 0.065681 & 0.093297 & 4.553517 & 4.988777 & 0.015082\end{array}$ $\begin{array}{lllllllll}1000 & 1062.285 & 0.007624 & 0.168544 & 0.128656 & 0.156726 & 6.10898 & 7.585749 & 0.012887 \\ 1000 & 7353933 & 0.09541 & 0.13563 & 0.11779 & 0.125503 & 5.03335 & 4.60448 & 0.016108\end{array}$ $\begin{array}{llllllll}1000 & 735.3933 & 0.009541 & 0.134563 & 0.117798 & 0.125503 & 5.03835 & 4.604488 \\ 0.016102 \\ 1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 0 & 0.016084\end{array}$ $\begin{array}{rrrrrrrr}1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 1000 & 911.2085 & 0.012915 & 0.219113 & 0.221307 & 0.19587 & 5.268428 & 5.498046 \\ 0.017847\end{array}$ $\begin{array}{lllllllll}1000 & 1201.721 & 0.016389 & 0.202642 & 0.2137672 & 0.230505 & 5.272565 & 5.612118 & 0.01259\end{array}$ $\begin{array}{lllllllll}1000 & 1885.152 & 0.017527 & 0.266048 & 0.279222 & 0.258977 & 6.9777264 & 8.691399 & 0.024364\end{array}$ $\begin{array}{lllllllll}1000 & 739.1992 & 0.0159476 & 0.1893356 & 0.2179222 & 0.258977 & 6.977264 & 8.691399 & 0.024364 \\ 1003 & 0.136877 & 4.481139 & 5.351045 & 0.011933\end{array}$ $\begin{array}{llllllll}1000 & 752.9992 & 0.010357 & 0.15088 & 0.15167 & 0.133039 & 4.982923 & 5.020168 \\ 0.014422\end{array}$ $\begin{array}{lllllllll}1000 & 680.2828 & 0.011216 & 0.1245 & 0.090278 & 0.11912 & 3.935628 & 4.657557 & 0.010617 \\ 1000 & 557.0139 & 0.00538 & 0.120956 & 0.137526 & 0.108055 & 3.20269 & 3.785064 & 0.02774\end{array}$ $\begin{array}{lllllllll}1000 & 557.9139 & 0.005538 & 0.120956 & 0.137526 & 0.108085 & 3.120269 & 3.785064 & 0.00774 \\ 1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182\end{array}$ $\begin{array}{lllllllll}1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182 \\ 1000 & 1189.649 & 0.008888 & 0.16959 & 0.126933 & 0.157421 & 5788241 & 4.21145 & 0.012183\end{array}$ $\begin{array}{lllllllll}1000 & 11290.852 & 0.010162 & 0.206757 & 0.13846 & 0.187256 & 5.202437 & 4.758804 & 0.0144266\end{array}$ $\begin{array}{llllllllll}1000 & 1040.924 & 0.009145 & 0.221482 & 0.239852 & 0.204726 & 4.940656 & 6.836391 & 0.017954\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 797.1574 & 0.009127 & 0.165092 & 0.111927 & 0.114574 & 4.989907 & 5.534317 & 0.011612\end{array}$ $\begin{array}{llllllllll}1000 & 842.8301 & 0.015222 & 0.203262 & 0.131686 & 0.141071 & 4.391348 & 4.935339 & 0.011716\end{array}$ $\begin{array}{llllllllll}1000 & 1490.755 & 0.009048 & 0.181139 & 0.217471 & 0.150057 & 4.144053 & 4.451831 & 0.010303\end{array}$ $\begin{array}{lllllllll}1000 & 961.1447 & 0.007994 & 0.183743 & 0.125846 & 0.124451 & 4.247568 & 4.144942 & 0.011485\end{array}$ $\begin{array}{lllllllll}1000 & 962.3905 & 0.011964 & 0.209469 & 0.173386 & 0.17194 & 6.76561 & 5.541092 & 0.012575 \\ 1000 & 873.0617 & 0.007003 & 0.251627 & 0.133829 & 0.144111 & 5.760294 & 5.783176 & 0.014397\end{array}$ $\begin{array}{llllllllll}1000 & 914.313 & 0.012789 & 0.283389 & 0.184466 & 0.223957 & 6.340428 & 5.826989 & 0.02472\end{array}$ $\begin{array}{lllllllllll}1000 & 861.282 & 0.008701 & 0.140124 & 0.155393 & 0.153308 & 3.810806 & 3.752644 & 0.018202\end{array}$ $\begin{array}{lllllllll}1000 & 1100.071 & 0.015636 & 0.176067 & 0.128857 & 0.183139 & 5.060252 & 5.43718 & 0.014926\end{array}$ $\begin{array}{llllllllll}1000 & 839.6375 & 0.01069 & 0.154724 & 0.230483 & 0.131266 & 5.079039 & 4.870354 & 0.011872\end{array}$ $\begin{array}{lllllllll}1000 & 838.8934 & 0.015243 & 0.162842 & 0.200806 & 0.146669 & 4.74062 & 4.918612 & 0.014553\end{array}$ $\begin{array}{lllllllll}1000 & 1378.606 & 0.014767 & 0.155251 & 0.114664 & 0.1482 & 5.818197 & 6.743419 & 0.01637 \\ 1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.99339 & 4.092147 & 3.987655 & 0.010248\end{array}$ $\begin{array}{llllllll}1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.099339 & 4.092147 & 3.987655 \\ 0 & 0.010248 \\ 1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 \\ 0 & 0.010942\end{array}$ $\begin{array}{lllllllll}1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 & 0.010942 \\ 1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581\end{array}$ $\begin{array}{lllllllll}1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581 \\ 1000 & 1220.21 & 0.015937 & 0.119136 & 0.074566 & 0.1284 & 4.988453 & 4.849615 & 0.007617\end{array}$ $\begin{array}{llllllllll}1000 & 967.6882 & 0.018448 & 0.114783 & 0.059078 & 0.087726 & 4.565373 & 5.972436 & 0.010202\end{array}$ $\begin{array}{lllllllll}1000 & 1068.855 & 0.013434 & 0.093523 & 0.08464 & 0.067873 & 4.065189 & 4.546352 & 0.004419\end{array}$ $\begin{array}{lllllllllll}1000 & 1196.088 & 0.014084 & 0.122829 & 0.105532 & 0.061107 & 5.353264 & 5.558762 & 0.008483\end{array}$ $\begin{array}{lllllllll}1000 & 1157.73 & 0.020874 & 0.11678 & 0.163834 & 0.099527 & 4.918226 & 6.4911266 & 0.0074005 \\ 1000 & 1119.189 & 0.022058 & 0.122284 & 0.174515 & 0.105391 & 628878 & 526944 & 0.015879\end{array}$ $\begin{array}{lllllllll}1000 & 1119.189 & 0.022958 & 0.122184 & 0.174519 & 0.105301 & 6.248778 & 5.269644 & 0.015879 \\ 1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536\end{array}$ $\begin{array}{lllllllll}1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536 \\ 1000 & 1333.524 & 0.016198 & 0.146672 & 0.110766 & 0.103401 & 5.952586 & 6.333566 & 0.008493\end{array}$ $\begin{array}{llllllllll}1000 & 1087.527 & 0.015839 & 0.126906 & 0.117121 & 0.112544 & 4.09639 & 4.576249 & 0.0009812\end{array}$ $\begin{array}{llllllllll}1000 & 974.8009 & 0.01059 & 0.069674 & 0.050936 & 0.06646 & 3.033334 & 2.955827 & 0.008834\end{array}$ $\begin{array}{llllllllllll}1000 & 1329.793 & 0.016656 & 0.136245 & 0.094476 & 0.125941 & 5.645652 & 5.429001 & 0.010726\end{array}$ $\begin{array}{lllllllllll}1000 & 1129.234 & 0.012297 & 0.092571 & 0.072281 & 0.09431 & 4.768411 & 4.802033 & 0.008293\end{array}$


[^6]$\begin{array}{llllll}0.12437 & 0.30944 & 0.905182 & 0.666773\end{array}$ $\begin{array}{lllll}0.112747 & 0.381252 & 0.73942 & 0.633301\end{array}$ 0.127410 .2449330 .6447990 .58666 100180.2898040 .5861960 .626755 $\begin{array}{llll}0.079185 & 0.250671 & 0.546795 & 0.577488 \\ 0.094014 & 0.327255 & 0.609622 & 0.705275\end{array}$ $\begin{array}{lllllll}0.067652 & 0.242634 & 0.551861 & 0.452938\end{array}$ $\begin{array}{lllll}0.078676 & 0.283023 & 0.691621 & 0.375085\end{array}$ $\begin{array}{llll}0.122181 & 0.326381 & 0.778171 & 0.659199 \\ 0.074673 & 0.253273 & 0.607094 & 0.588179\end{array}$ $\begin{array}{llll}0.064092 & 0.187657 & 0.580469 & 0.643254\end{array}$ $\begin{array}{llllllllllll}0.085947 & 0.268046 & 0.900378 & 0.685577\end{array}$ $\begin{array}{llllllll}0.068185 & 0.284287 & 0.745242 & 0.663225\end{array}$ $\begin{array}{llllll}0.089826 & 0.414334 & 0.693625 & 0.485931\end{array}$ $\begin{array}{lllllllll}0.106994 & 0.364996 & 1.165837 & 0.683796\end{array}$ $\begin{array}{llll}0.117147 & 0.329575 & 0.751998 & 0.814782\end{array}$ 0.0914310 .3958870 .7392380 .787424 | 0.165342 | 0.297821 | 0.931199 | 0.8494446 |
| :--- | :--- | :--- | :--- | :--- | $0.1736360 .2756390 .661189 \quad 0.680127$ $\begin{array}{llllll}0.169387 & 0.348886 & 0.707563 & 1.677468\end{array}$ $\begin{array}{llllllll}0.081075 & 0.217724 & 0.505679 & 0.545732\end{array}$ $\begin{array}{llllllllll}0.143651 & 0.33046 & 0.835232 & 0.921258\end{array}$ $\begin{array}{llllll}0.147403 & 0.316587 & 0.923051 & 0.779947\end{array}$ $\begin{array}{lllll}0.114674 & 0.236582 & 1.033911 & 0.667252 \\ 0.09075 & 0.23580 & 0.63318 & 0.55774\end{array}$ $\begin{array}{llll}0.05075 & 0.235804 & 1.6373318 & 0.55274 \\ & 0.078227 & 0.257924 & 0.536975\end{array}$ 1263670.3139210 .7194520 .979811 $0.1509570 .447099 \quad 0.7158590 .678464$ $\begin{array}{llllll}0.076217 & 0.266301 & 0.764912 & 0.442219\end{array}$ $\begin{array}{lllll}0.124691 & 0.35631 & 0.990766 & 0.974501\end{array}$ $\begin{array}{llll}0.110196 & 0.305379 & 0.805359 & 1.09134\end{array}$ $\begin{array}{llll}0.10797 & 0.295199 & 0.841204 & 0.532967\end{array}$ $\begin{array}{lllll}0.106575 & 0.269535 & 0.651404 & 0.756117 \\ 0.13957 & 0.300914 & 0.972862 & 0.896515\end{array}$ 0869780.2544580 .566019 $\begin{array}{lllll}0.113092 & 0.245508 & 0.51395 & 0.981856\end{array}$ $\begin{array}{lllll}0.143095 & 0.39238 & 1.286654 & 1.083127\end{array}$ $\begin{array}{llllll}0.097734 & 0.23606 & 0.529174 & 0.565799\end{array}$ $\begin{array}{llllll}0.149912 & 0.426281 & 1.028886 & 0.746812\end{array}$ $\begin{array}{lllll}0.159933 & 0.367895 & 0.797849 & 0.924965\end{array}$ $\begin{array}{llll}0.119984 & 0.278304 & 0.654384 & 0.742527 \\ 0.089225 & 0.302501 & 0.63458 & 0.639997\end{array}$ $\begin{array}{lllll}0.11448 & 0.34959 & 0.715291 & 0780763\end{array}$ $\begin{array}{lllll}0.100671 & 0.232818 & 0.864757 & 0.570118\end{array}$ $\begin{array}{lllll}0.141114 & 0.327564 & 1.11474 & 0.647769\end{array}$ $\begin{array}{llllllll}0.137736 & 0.452474 & 0.703285 & 1.078613\end{array}$ 0.0747430 .3616491 .0867710 .874955 $\begin{array}{llll}0.123009 & 0.271271 & 0.84236 & 0.829999\end{array}$ $\begin{array}{lllll}0.094344 & 0.338133 & 0.823827 & 0.654503\end{array}$ $\begin{array}{lllll}0.1077824 & 0.480215 & 0.835188 & 1.563535\end{array}$ $0.085 \quad 0.3673190 .6383140 .880174$ $\begin{array}{llllll}0.118366 & 0.26524 & 0.860274 & 1.521522\end{array}$ $\begin{array}{lllllll}0.119442 & 0.306921 & 0.706822 & 0.588799\end{array}$ $\begin{array}{llllll}0.097932 & 0.344529 & 0.649995 & 0.720958\end{array}$ $\begin{array}{lllll}0.078623 & 0.171024 & 0.429425 & 0.444682\end{array}$ $\begin{array}{llll}0.102751 & 0.382723 & 0.814195 & 0.974721 \\ 0.084623 & 0.344251 & 0.06696 & 0.757767\end{array}$ $\begin{array}{llll}0.084623 & 0.344251 & 0.906796 & 0.757767\end{array}$ $\begin{array}{llllll}144474 & 0.385752 & 0.938536 & 1204779\end{array}$ $\begin{array}{lllll}0.063574 & 0.253147 & 0.411843 & 0.418881\end{array}$ $\begin{array}{llllll}0.128036 & 0.274318 & 0.679722 & 0.583283\end{array}$ $\begin{array}{lllllll}0.15902 & 0.547362 & 0.999476 & 1.461477\end{array}$


$\begin{array}{lllllllll}1000 & 1105.092 & 0.014766 & 0.096363 & 0.123244 & 0.087826 & 4.755424 & 5.611437 & 0.006861\end{array}$ | 1000 | 892.5568 | 0.018 | 0.11045 | 0.0959907 | 0.123956 | 4.3333891 | 6.0733541 | 0.00078657 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{rrrrrrrrr}1000 & 835.0901 & 0.016605 & 0.08241 & 0.1039 & 0.095414 & 4.806115 & 4.961424 & 0.004806 \\ 1000 & 773.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 & 0.007389\end{array}$ $\begin{array}{llllllll}1000 & 73.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 \\ 1000 & 757.0432 & 0.008656 & 0.071824 & 0.061064 & 0.074791 & 3.571428 & 5.039602 \\ 0.007394\end{array}$ $\begin{array}{lllllllll}1000 & 1446.842 & 0.00979 & 0.097498 & 0.05435 & 0.061092 & 4.295082 & 4.765279 & 0.0073675\end{array}$ $\begin{array}{lllllllll}1000 & 700.1427 & 0.008817 & 0.054148 & 0.061675 & 0.056633 & 3.261626 & 3.370829 & 0.005893 \\ 1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.911855 & 4.87672 & 0.006559\end{array}$ $\begin{array}{lllllllll}1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.991085 & 4.487672 & 0.006559 \\ 1000 & 1690.836 & 0.0141 & 0.088813 & 0.068565 & 0.085737 & 4.18561 & 5.138667 & 0.004562\end{array}$ $\begin{array}{lllllllll}1000 & 1690.836 & 0.0141 & 0.086813 & 0.068565 & 0.085737 & 4.418651 & 5.138067 & 0.004562 \\ 1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808\end{array}$ $\begin{array}{lllllllll}1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808 \\ 1000 & 585.9917 & 0.006335 & 0.051447 & 0.064627 & 0.04872 & 3.269819 & 3.703791 & 0.004785\end{array}$

 $\begin{array}{lllllllll}1000 & 801.2701 & 0.012566 & 0.089683 & 0.07876 & 0.077488 & 4.277399 & 4.133697 & 0.008061\end{array}$ $\begin{array}{llllllll}1000 & 933.0404 & 0.009069 & 0.120497 & 0.090576 & 0.086319 & 5.555397 & 5.002637 \\ 0 & 0.008357\end{array}$ $\begin{array}{llllllllll}1000 & 1052.6 & 0.017549 & 0.111265 & 0.0880533 & 0.087011 & 5.922613 & 5.116567 & 0.0006887\end{array}$ | 1000 | 1236.845 | 0.016572 | 0.10161 | 0.098289 | 0.091245 | 5.82727 | 4.989197 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1198.802 | 0.0007819618 | 0.161823 | 0.0292914 | 0.143539 | 4.366496 | 4.731463 | $\begin{array}{lllllllll}1000 & 1198.802 & 0.019618 & 0.161823 & 0.092919 & 0.143539 & 4.366496 & 4.731463 & 0.011515 \\ 1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809\end{array}$ $\begin{array}{lllllllll}1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809 \\ 1000 & 1316.317 & 0.022939 & 0.094307 & 0.102548 & 0.132539 & 5.223293 & 5.639309 & 0.009799\end{array}$ $\begin{array}{lllllllllllll}1000 & 1091.831 & 0.017279 & 0.109752 & 0.073038 & 0.103167 & 5.416845 & 4.969777 & 0.009119\end{array}$ $\begin{array}{llllllllll}1000 & 1171.01 & 0.01422 & 0.125049 & 0.135668 & 0.128734 & 6.153437 & 6.314737 & 0.009351\end{array}$ $\begin{array}{lllllllll}1000 & 990.0574 & 0.008939 & 0.090201 & 0.077489 & 0.081927 & 3.560224 & 3.929657 & 0.00713\end{array}$ $\begin{array}{lllllllll}1000 & 1177.33 & 0.010043 & 0.121869 & 0.096204 & 0.073022 & 6.835366 & 7.002342 & 0.012133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.726 & 0.020937 & 0.102231 & 0.081104 & 0.109691 & 4.902837 & 6.787431 & 0.006611\end{array}$ $\begin{array}{lllllllll}1000 & 1315.845 & 0.009786 & 0.100325 & 0.076747 & 0.073621 & 5.419315 & 4.868953 & 0.008336\end{array}$ $\begin{array}{lllllllll}1000 & 753.1612 & 0.011546 & 0.08811 & 0.073328 & 0.056216 & 3.311268 & 3.313264 & 0.006551 \\ 1000 & 804.0128 & 0.010611 & 0.083517 & 0.068412 & 0.056384 & 3.310357 & 4.233062 & 0.00843\end{array}$ $\begin{array}{llllllllllllllll}1000 & 1013.1 & 0.013102 & 0.11277 & 0.078353 & 0.094254 & 7.579386 & 5.209694 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 1415.868 & 0.012013 & 0.124035 & 0.120066 & 0.098246 & 5.116583 & 4.88613 & 0.008134\end{array}$ $\begin{array}{lllllllll}1000 & 610.6806 & 0.004706 & 0.069937 & 0.10333 & 0.068003 & 2.917802 & 3.14514 & 0.005375\end{array}$ $\begin{array}{llllllllll}1000 & 1030.009 & 0.01172 & 0.097935 & 0.092336 & 0.104957 & 5.173254 & 4.691363 & 0.006997\end{array}$ $\begin{array}{lllllllll}1000 & 1053.813 & 0.006702 & 0.10595 & 0.060788 & 0.068683 & 4.881885 & 4.12111 & 0.0075338 \\ 1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & .390986 & 414298 & 0.007018\end{array}$ $\begin{array}{lllllllll}1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & 3.960986 & 4.14298 & 0.007018 \\ 1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.07318\end{array}$ $\begin{array}{lllllllll}1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.007318 \\ 1000 & 1372.558 & 0.010668 & 0.096254 & 0.104346 & 0.091741 & 5.159522 & 6.425217 & 0.006457\end{array}$ $\begin{array}{lllllllll}1000 & 824.5876 & 0.006078 & 0.080108 & 0.092562 & 0.0741 & 3.944416 & 3.9977709 & 0.0067047\end{array}$

 $\begin{array}{llllllllll} & 000 & 954.2253 & 0.011048 & 0.149877 & 0.186952 & 0.157538 & 5.91094 & 7.462015 & 0.015875\end{array}$ $\begin{array}{lllllllll}1000 & 1028.729 & 0.008774 & 0.12623 & 0.144816 & 0.097397 & 4.251522 & 4.218424 & 0.006603\end{array}$ $\begin{array}{lllllllll}1000 & 1050.314 & 0.007615 & 0.16769 & 0.18062 & 0.139368 & 7.397999 & 5.359317 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1669.22 & 0.008737 & 0.148415 & 0.118475 & 0.101552 & 4.936108 & 6.267155 & 0.007484\end{array}$ $\begin{array}{lllllllll}1000 & 887.264 & 0.007942 & 0.11573 & 0.092789 & 0.107319 & 4.139735 & 4.746539 & 0.006914\end{array}$ $\begin{array}{lllllllllll}1000 & 888.6373 & 0.005851 & 0.120667 & 0.08249 & 0.117977 & 4.632688 & 5.822165 & 0.009408 \\ 1000 & 988.0648 & 0.005252 & 0.160855 & 0.143556 & 0.140295 & 5.179484 & 5.245099 & 0.008757\end{array}$ $\begin{array}{lllllllllll}1000 & 856.2812 & 0.006825 & 0.132249 & 0.106995 & 0.124418 & 4.679574 & 3.718188 & 0.010609\end{array}$ $\begin{array}{llllllllllll}1000 & 993.5653 & 0.010862 & 0.129773 & 0.149713 & 0.1112 & 5.080851 & 6.309879 & 0.013008\end{array}$ $\begin{array}{lllllllll}1000 & 1121.438 & 0.00788 & 0.209371 & 0.170415 & 0.170407 & 4.95648 & 4.807475 & 0.013147\end{array}$ $\begin{array}{lllllllll}1000 & 1181.319 & 0.007746 & 0.207952 & 0.228154 & 0.128972 & 5.170134 & 5.008281 & 0.011843\end{array}$ $\begin{array}{lllllllll}1000 & 977.0996 & 0.0131 & 0.157712 & 0.113783 & 0.145396 & 5.733117 & 6.279094 & 0.011486\end{array}$ $\begin{array}{lllllllll}1000 & 1080.332 & 0.01095 & 0.117303 & 0.094113 & 0.096145 & 4.616004 & 5.424817 & 0.004899 \\ 1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108\end{array}$ $\begin{array}{lllllllll}1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108 \\ 1000 & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863\end{array}$ $\begin{array}{lllllllll} & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863 \\ 1000 & 1075.87 & 0.010789 & 0.162713 & 0.122742 & 0.14624 & 6.068447 & 5.657683 & 0.009251\end{array}$ $\begin{array}{llllllllll}1000 & 973.179 & 0.007254 & 0.154798 & 0.091279 & 0.103994 & 4.723108 & 4.426468 & 0.011375\end{array}$ $\begin{array}{lllllllll}1000 & 1036.719 & 0.006388 & 0.112896 & 0.107704 & 0.101394 & 3.68412 & 3.670745 & 0.004995\end{array}$ $\begin{array}{lllllllll}1000 & 1122.152 & 0.006653 & 0.118294 & 0.132685 & 0.129507 & 7.106644 & 4.733732 & 0.0095441\end{array}$ $\begin{array}{llllllllll}1000 & 552.2547 & 0.004533 & 0.072366 & 0.04007 & 0.067557 & 3.398653 & 3.273972 & 0.006712\end{array}$ $\begin{array}{lllllllll}1000 & 1077.994 & 0.006838 & 0.131668 & 0.113637 & 0.082503 & 4.636687 & 4.6695 & 0.007225\end{array}$ | 000 | 1117.627 | 0.007624 | 0.116165 | 0.13971 | 0.120569 | 5.151453 | 5.035786 | 0.009776 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 683.0605 | 0.006681 | 0.094835 | 0.063998 | 0.087346 | 3.313042 | 3.356565 | 0.005753 | $\begin{array}{lllllllll}1000 & 683.0605 & 0.006681 & 0.094835 & 0.063998 & 0.087346 & 3.313042 & 3.395635 & 0.005253 \\ 1000 & 1230.066 & 0.014954 & 0.161209 & 0.183921 & 0.111571 & 5.531636 & 7.602663 & 0.010824\end{array}$ $\begin{array}{lllllllll}1000 & 1350.056 & 0.014954 & 0.161109 & 0.183921 & 0.11157 & 5.531636 & 7.602663 & 0.010824 \\ 1000 & 755.2571 & 0.006092 & 0.06626 & 0.050913 & 0.047263 & 3.062147 & 4.499276 & 0.006234\end{array}$ $\begin{array}{lllllllll}000 & 807.0995 & 0.010626 & 0.113431 & 0.118033 & 0.056273 & 4.454462 & 4.652364 & 0.007042\end{array}$ $\begin{array}{lllllllll}1000 & 1606.912 & 0.011159 & 0.14641 & 0.131425 & 0.122007 & 6.592695 & 8.691475 & 0.007447\end{array}$



$\begin{array}{llll}0.083696 & 0.201797 & 0.917095 & 0.845605\end{array}$ $\begin{array}{llll}0.103333 & 0.276703 & 0.661272 & 0.75158 \\ 0.088213 & 0.323538 & 0.916008 & 0.789407\end{array}$ $\begin{array}{llllll}0.079282 & 0.302117 & 1.086334 & 0.863936\end{array}$ $\begin{array}{lllll}0.097405 & 0.324281 & 1.114693 & 1.355481\end{array}$ $\begin{array}{llllll}0.077352 & 0.306383 & 0.921915 & 0.583043\end{array}$ $\begin{array}{llll}0.076344 & 0.266908 & 0.528052 & 0.770031\end{array}$ $\begin{array}{lllll}0.077251 & 0.355244 & 0.701179 & 0.792349\end{array}$ $\begin{array}{rrrr}0.123527 & 0.310076 & 0.8757 & 0.76015 \\ 0.098473 & 0.305204 & 0.66436 & 0.637576\end{array}$ $\begin{array}{lllll}0.111156 & 0.2428 & 0.526604 & 1.001757\end{array}$ $\begin{array}{llllllll}0.075805 & 0.305611 & 0.723196 & 0.746406\end{array}$ $\begin{array}{lllll}0.073657 & 0.268603 & 0.553683 & 0.505668\end{array}$ $\begin{array}{llllllll}0.094724 & 0.210428 & 0.662241 & 1.086058\end{array}$ $\begin{array}{llllllll}0.067853 & 0.324909 & 0.873279 & 0.457086\end{array}$ $\begin{array}{lllll}0.041559 & 0.245832 & 0.787969 & 0.475841\end{array}$ | 0.062717 | 0.377104 | 1.132919 | 0.881158 |
| :--- | :--- | :--- | :--- |
| 078472 | 0.254547 | 0.79151 | 0.577032 | $\begin{array}{llll}0.08472 & 0.254547 & 0.79151 & 0.577032 \\ 0.081907 & 0.405284 & 0.952685 & 0.775906\end{array}$ $\begin{array}{llllll}0.133433 & 0.418531 & 0.89542 & 0.774429\end{array}$ $\begin{array}{llllll}0.043375 & 0.257209 & 0.572246 & 0.53952\end{array}$ $\begin{array}{lllllll}0.062871 & 0.292291 & 0.855482 & 0.744521\end{array}$ $\begin{array}{llllll}0.058979 & 0.214954 & 0.449502 & 0.672705\end{array}$ $\begin{array}{llll}0.058963 & 0.296526 & 0.566583 & 0.74368\end{array}$ $\begin{array}{llll}0.063948 & 0.310955 & 1.431218 & 0.675923\end{array}$ $\begin{array}{lllll}0.065787 & 0.275406 & 0.40973 & 0.481235\end{array}$ $0.040818 \quad 0.271853 \quad 0.60664 \quad 0.502385$ $\begin{array}{llllllllll}0.078382 & 0.312809 & 0.636326 & 0.726662\end{array}$ $\begin{array}{llllll}0.055099 & 0.279054 & 0.860321 & 0.885344\end{array}$ $0.0624 \quad 0.3162150 .4956210 .521928$ $\begin{array}{lllll}0.045926 & 0.282943 & 0.611198 & 0.492008\end{array}$ $\begin{array}{llllll}0.025522 & 0.291445 & 0.518871 & 0.567282\end{array}$ $\begin{array}{llll}0.079169 & 0.406742 & 0.52884 & 0.657153 \\ 0.05595 & 0.392127 & 0.60589 & 0.655529\end{array}$ $\begin{array}{lllll}0.082029 & 0.457817 & 0.844718 & 0.676885\end{array}$ $\begin{array}{llllll}0.046802 & 0.424729 & 0.634265 & 0.582386\end{array}$ $\begin{array}{lllll}0.051101 & 0.398233 & 0.790261 & 0.774236\end{array}$ $\begin{array}{lllll}0.089618 & 0.365711 & 0.5222 & 0.874647\end{array}$ $\begin{array}{llll}0.062073 & 0.412484 & 0.850796 & 1.006944\end{array}$ $\begin{array}{lllll}0.046661 & 0.328859 & 0.519283 & 0.480545\end{array}$ $\begin{array}{llll}0.045325 & 0.354592 & 0.81187 & 0.766764\end{array}$ 0691670.2313630 .5396880 .011879 $\begin{array}{lllll}0.083819 & 0.434603 & 1.476378 & 0.774401\end{array}$ $\begin{array}{lllll}0.058881 & 0.294623 & 1.111291 & 0.64152\end{array}$ $\begin{array}{lllll}0.073583 & 0.336673 & 1.154727 & 0.647747\end{array}$ 0.0643790 .4035670 .9954310 .794958 $\begin{array}{llll}0.07489 & 0.329479 & 0.802012 & 0.572851\end{array}$ $\begin{array}{lllll}0.05626 & 0.188213 & 0.460865 & 0.56473\end{array}$ $\begin{array}{lllll}0.117151 & 0.288318 & 0.86145 & 0.56373\end{array}$ $0.098370 .408764 \quad 1.0533830 .764163$ $\begin{array}{llllll}0.113329 & 0.324361 & 0.909241 & 1.112609\end{array}$ $\begin{array}{lllllll}0.089391 & 0.407538 & 0.991559 & 0.909655\end{array}$ 0.0741430 .2169050 .8189080 .464064 $\begin{array}{llll}0.066423 & 0.32418 & 1.081762 & 0.735518\end{array}$ $\begin{array}{lllll}0.084891 & 0.213973 & 0.583193 & 0.508413\end{array}$ $\begin{array}{llll}0.111603 & 0.397139 & 1.065156 & 0.838418 \\ 0.097847 & 0.272248 & 0.651496 & 0.858592\end{array}$ $\begin{array}{lllll}0.85848 \\ 0.079053 & 0.229241 & 0.5319599 & 0.612442\end{array}$ $\begin{array}{llllll}0.077328 & 0.308199 & 0.740873 & 0.597106\end{array}$ $\begin{array}{llllll}0.124329 & 0.261266 & 0.823266 & 0.73284\end{array}$ $\begin{array}{lllll}0.065222 & 0.18947 & 0.559972 & 0.365039\end{array}$


$\begin{array}{lllllllll}1000 & 1016.221 & 0.007099 & 0.094623 & 0.08589 & 0.092663 & 4.486746 & 4.963973 & 0.011594 \\ 1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 & 0.006518\end{array}$ $\begin{array}{llllllll}1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 \\ 0.006518 \\ 1000 & 950.2908 & 0.01302 & 0.120415 & 0.131304 & 0.10192 & 4.707709 & 6.204489 \\ 0.012003\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.111084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.117084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213 \\ 1000 & 1110.14 & 0.023229 & 0.13956 & 0.174083 & 0.128907 & 5.209649 & 5.21494 & 0.014084\end{array}$ | 1000 | 852.3185 | 0.016419 | 0.103542 | 0.106813 | 0.071966 | 4.23153 | 5.233355 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.008169 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1574.105 & 0.014493 & 0.117124 & 0.103436 & 0.084973 & 4.221981 & 3.819687 & 0.012251 \\ 1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5370208 & 6.677 & 0.012442\end{array}$ $\begin{array}{lllllllll}1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5.370208 & 6.677 & 0.012442 \\ 1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.85036 & 0.008304\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.858036 \\ 0.008304 \\ 1000 & 899.5454 & 0.01397 & 0.150538 & 0.109549 & 0.107297 & 4.375538 & 4.969924 \\ 0.006723\end{array}$ $\begin{array}{lllllllll}1000 & 1090.788 & 0.012767 & 0.14373 & 0.085471 & 0.111843 & 4.124196 & 5.056014 & 0.0010143\end{array}$ $\begin{array}{llllllllll}1000 & 865.9338 & 0.009617 & 0.125013 & 0.089434 & 0.106407 & 4.255877 & 4.462817 & 0.00857\end{array}$ $\begin{array}{llllllllll}1000 & 1135.011 & 0.00989 & 0.102061 & 0.093735 & 0.096517 & 4.20032 & 3.783032 & 0.004361\end{array}$ $\begin{array}{lllllllll}1000 & 1076.333 & 0.01365 & 0.128134 & 0.071661 & 0.139444 & 4.194757 & 5.710145 & 0.009123\end{array}$ $\begin{array}{llllllllll}1000 & 804.5285 & 0.007785 & 0.117597 & 0.15865 & 0.097554 & 4.676369 & 5.116258 & 0.005377\end{array}$ $\begin{array}{lllllllll}1000 & 707.2561 & 0.008202 & 0.114214 & 0.149803 & 0.095782 & 4.322039 & 4.078639 & 0.010286 \\ 1000 & 1170.893 & 0.014653 & 0.142921 & 0.14883 & 0.127582 & 5.1683 & 4.841204 & 0.007479\end{array}$ $\begin{array}{llllllll}1000 & 11770.893 & 0.014653 & 0.149221 & 0.148835 & 0.127582 & 5.16803 & 4.841204 \\ 0 & 0.007479 \\ 1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697\end{array} 0.008242$ $\begin{array}{lllllllll}1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697 & 0.008242 \\ 1000 & 1226.172 & 0.007848 & 0.170748 & 0.176601 & 0.180191 & 6.182361 & 5.684843 & 0.010146\end{array}$ $\begin{array}{llllllllll}1000 & 1215.358 & 0.010439 & 0.152939 & 0.186098 & 0.12052 & 5.126152 & 4.540818 & 0.009699\end{array}$ $\begin{array}{llllllllll}1000 & 593.8731 & 0.005299 & 0.109777 & 0.101871 & 0.101497 & 3.216839 & 2.960629 & 0.007717\end{array}$ $\begin{array}{llllllllll}1000 & 1236.537 & 0.00626 & 0.140107 & 0.104027 & 0.104237 & 4.537283 & 3.949645 & 0.008389\end{array}$ $\begin{array}{llllllllll}1000 & 787.6389 & 0.007324 & 0.101815 & 0.069231 & 0.08097 & 3.740782 & 3.691418 & 0.005012\end{array}$ $\begin{array}{lllllllll}1000 & 871.03377 & 0.007587 & 0.1071 & 0.126963 & 0.111998 & 3.478503 & 3.261468 & 0.007906 \\ 1000 & 1077921 & 0.01638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29292 & 0.006344\end{array}$ $\begin{array}{lllllllll}1000 & 1077.921 & 0.011638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29294 & 0.006344 \\ 1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927\end{array}$ $\begin{array}{lllllllll}1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927 \\ 1000 & 770.8747 & 0.005289 & 0.11753 & 0.095405 & 0.095173 & 3.670777 & 3.688437 & 0.003774\end{array}$ $\begin{array}{lllllllll}1000 & 770.8747 & 0.005289 & 0.11153 & 0.095405 & 0.0951773 & 3.670777 & 3.688337 & 0.003774 \\ 1000 & 729.9977 & 0.003877 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186\end{array}$ $\begin{array}{lllllllll}1000 & 729.9977 & 0.003887 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186 \\ 1000 & 941.9113 & 0.009091 & 0.093606 & 0.129406 & 0.09521 & 3.775278 & 3.929278 & 0.003195\end{array}$ $\begin{array}{llllllllll}1000 & 1344.561 & 0.006621 & 0.105728 & 0.118374 & 0.090613 & 5.301045 & 3.719901 & 0.003686\end{array}$ $\begin{array}{llllllll}1000 & 984.0357 & 0.009991 & 0.124466 & 0.151018 & 0.08435 & 5.026571 & 4.122042\end{array} 0.0006617$ $\begin{array}{lllllllll}1000 & 777.7399 & 0.008141 & 0.146862 & 0.12609 & 0.11483 & 5.090093 & 4.015402 & 0.010302 \\ 1000 & 1160.911 & 0.008077 & 0.115564 & 0.079303 & 0.109646 & 4.52522 & 3.787469 & 0.0068\end{array}$ $\begin{array}{ccccccccc}1000 & 1160.911 & 0.008077 \\ 1000 & 1279.97 & 0.01158564 & 0.0793303 & 0.109646 & 4.52502 & 3.787469 & 0.0068 \\ 1 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201\end{array}$ $\begin{array}{lllllllll}1000 & 1279.97 & 0.010387 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201 \\ 1000 & 889.4979 & 0.008381 & 0.111178 & 0.138824 & 0.12838 & 4.40959 & 5.591435 & 0.006881\end{array}$ $\begin{array}{llllllllll}1000 & 1358.712 & 0.008873 & 0.235041 & 0.174854 & 0.15902 & 6.713883 & 5.873333 & 0.00653\end{array}$ $\begin{array}{lllllllllllllll}1000 & 812.2332 & 0.008073 & 0.10745 & 0.12111 & 0.104481 & 4.479777 & 3.638333 & 0.006397\end{array}$ $\begin{array}{lllllllllll}1000 & 967.6265 & 0.006662 & 0.129528 & 0.055498 & 0.105201 & 4.970915 & 6.723842 & 0.010205\end{array}$ $\begin{array}{lllllllllllllll}1000 & 856.8817 & 0.009959 & 0.094299 & 0.094604 & 0.087075 & 4.985402 & 5.729057 & 0.003508\end{array}$ $\begin{array}{lllllllll}1000 & 1059.811 & 0.00769 & 0.104467 & 0.062987 & 0.08843 & 5.851986 & 5.720256 & 0.004627\end{array}$ | 1000 | 761.5438 | 0.0066133 | 0.090968 | 0.08881 | 0.070664 | 3.50178 | 3.318719 | 0.005394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1305.325 & 0.005612 & 0.100677 & 0.097859 & 0.100891 & 5.103456 & 3.775519 & 0.003332 \\ 1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215\end{array}$ $\begin{array}{lllllllll}1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215 \\ 1000 & 785.0348 & 0.011095 & 0.09686 & 0.096597 & 0.102212 & 3.573946 & 3.465522 & 0.008093\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 785.0338 & 0.011095 & 0.09686 & 0.096597 & 0.1022212 & 3.573946 & 3.465522 & 0.008093 \\ 1000 & 11423.314 & 0.01224 & 0.172575 & 0.111982 & 0.180714 & 6.134168 & 5.690494 & 0.011901\end{array}$ $\begin{array}{llllllllll}1000 & 845.8775 & 0.00831 & 0.117239 & 0.104515 & 0.09534 & 3.43989 & 3.454609 & 0.007993\end{array}$ $\begin{array}{llllllllll}1000 & 920.6605 & 0.013273 & 0.120156 & 0.100762 & 0.146567 & 4.68845 & 4.459565 & 0.010216\end{array}$ $\begin{array}{lllllllll}1000 & 956.5049 & 0.013653 & 0.251992 & 0.165922 & 0.167604 & 5.641193 & 6.856175 & 0.007094\end{array}$ $\begin{array}{llllllllll}1000 & 1085.356 & 0.012672 & 0.197891 & 0.092774 & 0.145275 & 3.54006 & 5.963944 & 0.010315\end{array}$ $\begin{array}{lllllllll}1000 & 824.6639 & 0.011884 & 0.148416 & 0.070722 & 0.139725 & 3.671278 & 4.624993 & 0.006797 \\ 1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682\end{array}$ $\begin{array}{lllllllll}1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682 \\ 1000 & 931.6837 & 0.013511 & 0.131078 & 0.076927 & 0.126919 & 4.394896 & 5.314237 & 0.008008\end{array}$ $\begin{array}{llllllll}1000 & 931.6837 & 0.013511 & 0.131078 & 0.074927 & 0.126919 & 4.394896 & 5.314237 \\ 1000 & 1049.128 & 0.010651 & 0.171883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 0.008501\end{array}$ $\begin{array}{llllllll}1000 & 1049.128 & 0.010651 & 0.1718883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 10.008501 \\ 1000 & 900.3294 & 0.012948 & 0.201184 & 0.15362 & 0.16056 & 4.547869 & 4.570922 \\ 0.010363\end{array}$ | 1000 | 1355.985 | 0.014597 | 0.201627 | 0.1775 | 0.247589 | 4.689395 | 5.177848 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 690.7616 & 0.008249 & 0.197834 & 0.217916 & 0.183749 & 4.140097 & 4.604512 & 0.0006164 \\ 1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.0950 & 0.01848\end{array}$ $\begin{array}{lllllllll}1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.09506 & 0.011843 \\ 1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 354286 & 3.086281 & 0.01456\end{array}$ $\begin{array}{lllllllll}1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 3.542686 & 3.986281 & 0.00456\end{array}$ $\begin{array}{lllllllll}1000 & 1257.304 & 0.019025 & 0.251169 & 0.241427 & 0.25009 & 5.28923 & 5.629704 & 0.015287 \\ 1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3741123 & 3.565873 & 0.01007\end{array}$ $\begin{array}{lllllllll}1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3.741123 & 3.565873 & 0.010007 \\ 1000 & 1248.964 & 0.01498 & 0.289531 & 0.224974 & 0.270115 & 4.571101 & 4.042984 & 0.011198\end{array}$ $\begin{array}{llllllll}1000 & 823.5624 & 0.016809 & 0.394811 & 0.34523 & 0.474367 & 3.763297 & 4.168391\end{array} 0.015613$ $\begin{array}{lllllllll}1000 & 998.6634 & 0.016629 & 0.501138 & 0.326665 & 0.46665 & 4.153445 & 5.534993 & 0.017012\end{array}$ $\begin{array}{llllllllllll}1000 & 750.2849 & 0.01435 & 0.413226 & 0.451846 & 0.36722 & 3.289197 & 3.722567 & 0.009513\end{array}$



$\begin{array}{llll}0.065676 & 0.268865 & 0.738267 & 0.616283 \\ 0.113977 & 0.316248 & 1.140023 & 0.81072\end{array}$ $\begin{array}{llll}0.113977 & 0.316248 & 1.140023 & 0.81072 \\ 0.075655 & 0.234425 & 0.474864 & 0.524759\end{array}$ $\begin{array}{llllll}0.09894 & 0.318365 & 0.75121 & 0.689122\end{array}$ $\begin{array}{llllll}0.045102 & 0.220789 & 0.487006 & 0.549946\end{array}$ $\begin{array}{lllllll}0.076409 & 0.287614 & 0.832738 & 0.655377\end{array}$ $\begin{array}{lllll}0.109905 & 0.275365 & 0.640198 & 0.880878\end{array}$ $\begin{array}{llll}0.058623 & 0.323127 & 0.594344 & 0.61409\end{array}$ $\begin{array}{lllll}0.063886 & 0.328648 & 0.803406 & 0.876994 \\ 0.050537 & 0.299871 & 0.619091 & 0.526927\end{array}$ $\begin{array}{lllll}0.060688 & 0.27798 & 0.473557 & 0.502419\end{array}$ $\begin{array}{lllll}0.076555 & 0.381852 & 0.674898 & 0.921046\end{array}$ $\begin{array}{lllll}0.099239 & 0.275926 & 0.627504 & 0.659976\end{array}$ $\begin{array}{llllll}0.084457 & 0.29799 & 0.549045 & 0.506182\end{array}$ $\begin{array}{lllllll}0.116179 & 0.417042 & 0.709609 & 0.540677\end{array}$ $\begin{array}{llll}0.035856 & 0.171578 & 0.350613 & 0.357328\end{array}$ $\begin{array}{llll}0.069348 & 0.230334 & 0.51509 & 0.384643\end{array}$ $\begin{array}{llll}0.0653579 & 0.245251 & 0.51821 & 0.588234 \\ 0.0785456 & 0.681643\end{array}$ 0.0685770 .2986790 .4738980 .425224 $\begin{array}{llllll}0.072191 & 0.372576 & 0.634176 & 0.679261\end{array}$ 0.0681450 .2237670 .5759020 .529974 $\begin{array}{lllll}0.080033 & 0.26611 & 0.554307 & 0.541584\end{array}$ 0.0919730 .3118610 .5409780 .624562 $\begin{array}{llllllll}0.050829 & 0.188007 & 0.384176 & 0.431768\end{array}$ | 0.04244 | 0.182239 | 0.352643 | 0.373198 |
| :--- | :--- | :--- | :--- |
| 071987 | 0.272691 | 0.544153 | 0.614675 | $\begin{array}{llllll}0.076623 & 0.32011 & 0.898537 & 0.506941\end{array}$ $\begin{array}{lllll}0.066518 & 0.284938 & 0.535653 & 0.365459\end{array}$ $\begin{array}{lllll}0.067368 & 0.31295 & 0.56088 & 0.576897\end{array}$ $\begin{array}{llllll}0.059817 & 0.34385 & 1.197257 & 0.526476\end{array}$ $\begin{array}{llllllllll}0.061617 & 0.280236 & 0.596757 & 0.566262\end{array}$ $\begin{array}{llll}0.060742 & 0.166824 & 0.373552 & 0.31503\end{array}$ $\begin{array}{llll}0.043619 & 0.306752 & 0.643224 & 0.514508 \\ & 0.082247 & 0.289094 & 0.424587\end{array}$ $\begin{array}{lllll}0.081429 & 0.37922 & 0.497026 & 0.858797\end{array}$ $\begin{array}{lllll}0.08065 & 0.288804 & 0.507602 & 0.416375\end{array}$ $\begin{array}{lllll}0.087862 & 0.269682 & 0.578383 & 0.484711\end{array}$ $\begin{array}{lllllll}0.067144 & 0.313885 & 0.624764 & 0.624783\end{array}$ $\begin{array}{llll}0.064276 & 0.249311 & 0.371427 & 0.271022\end{array}$ $\begin{array}{lllll}0.071888 & 0.315816 & 0.363209 & 0.374765\end{array}$ $\begin{array}{llll}0.068193 & 0.246931 & 0.482722 & 0.405621 \\ 0.04629 & 0.17543 & 0.349861 & 0.383319\end{array}$ $\begin{array}{lllll}0.070105 & 0.249137 & 0.406832 & 0.418164\end{array}$ $\begin{array}{lllll}0.094099 & 0.282587 & 0.542026 & 0.513018\end{array}$ $\begin{array}{llllll}0.081242 & 0.336452 & 0.567386 & 0.497003\end{array}$ $\begin{array}{llllll}0.075775 & 0.295109 & 0.393918 & 0.36318\end{array}$ $\begin{array}{llll}0.066286 & 0.264543 & 0.488434 & 0.309966\end{array}$ $\begin{array}{llll}0.041711 & 0.236466 & 0.561484 & 0.27726\end{array}$ $\begin{array}{llll}0.071345 & 0.338379 & 0.335573 & 0.320607\end{array}$ | 0.036835 | 0.226509 | 0.385659 | 0.25353 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.034867 & 0.294721 & 0.260064 & 0.314215\end{array}$ $0.084083 \quad 0.291174 \quad 0.334823 \quad 0.305431$ $\begin{array}{llllllllllll}0.050216 & 0.340251 & 0.295357 & 0.277428\end{array}$ $\begin{array}{llll}0.046059 & 0.299606 & 0.258698 & 0.22819\end{array}$ $\begin{array}{llll}0.054756 & 0.182943 & 0.260061 & 0.196812\end{array}$ $\begin{array}{llll}0.032255 & 0.308419 & 0.322532 & 0.303762\end{array}$ $\begin{array}{llll}0.041426 & 0.355073 & 0.229179 & 0.280469\end{array}$ $\begin{array}{llll}0.041853 & 0.294108 & 0.277086 & 0.282102\end{array}$ $\begin{array}{lllll}0.031071 & 0.337199 & 0.284834 & 0.4231\end{array}$ $\begin{array}{lllllll}0.055782 & 0.347701 & 0.359497 & 0.234332\end{array}$ $\begin{array}{lllll}0.049772 & 0.448418 & 0.424167 & 0.361735\end{array}$


$\begin{array}{llllllllllll}1000 & 872.9719 & 0.014065 & 0.704017 & 0.33957 & 0.291189 & 3.849276 & 4.044059 & 0.010171\end{array}$ | 1000 | 1330.091 | 0.013185 | 0.358471 | 0.350273 | 0.37538 | 5.490088 | 5.3408936 | 0.014696 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll} & 0000 & 893.3956 & 0.014834 & 0.291444 & 0.194535 & 0.188509 & 3.448135 & 3.373683 \\ 1000 & 1420.369 & 0.014366 & 0.256093 & 0.160132 & 0.170031 & 5.021392 & 3.857482 & 0.005449\end{array}$ $\begin{array}{lllllllll}1000 & 649.4856 & 0.009712 & 0.156284 & 0.101053 & 0.09641 & 3.168338 & 2.663237 & 0.004957\end{array}$ $\begin{array}{lllllllll}1000 & 948.4029 & 0.012895 & 0.178114 & 0.181156 & 0.174702 & 4.931106 & 4.486495 & 0.007794\end{array}$ $\begin{array}{lllllllll}1000 & 1228.832 & 0.008471 & 0.187775 & 0.160115 & 0.155118 & 3.667647 & 3.907937 & 0.0077168 \\ 1000 & 899.1288 & 0.11519 & 0.169979 & 0.118793 & 0.14327 & 3.93855 & 4.315453 & 0.014771\end{array}$ $\begin{array}{llllllll}1000 & 899.1228 & 0.011519 & 0.160979 & 0.118793 & 0.143227 & 3.93685 & 4.315453 \\ 1000 & 1276.816 & 0.014771 \\ 1 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.05009\end{array}$ $\begin{array}{lllllllll}1000 & 1276.816 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.005009 \\ 1000 & 1255.613 & 0.009139 & 0.096677 & 0.107209 & 0.111357 & 4.622795 & 3.610387 & 0.006977\end{array}$ $\begin{array}{llllllllll}1000 & 1053.183 & 0.015042 & 0.125036 & 0.146874 & 0.106161 & 4.216895 & 4.201283 & 0.009146\end{array}$ $\begin{array}{llllllllll}1000 & 1678.138 & 0.013739 & 0.114768 & 0.134825 & 0.126052 & 5.6345 & 4.978124 & 0.012016\end{array}$ $\begin{array}{lllllllll}1000 & 1124.756 & 0.012753 & 0.10207 & 0.078082 & 0.09377 & 4.272023 & 3.532683 & 0.010574\end{array}$ $\begin{array}{llllllllll}1000 & 1362.616 & 0.01134 & 0.102 & 0.06596 & 0.080998 & 4.039916 & 4.097019 & 0.008362\end{array}$ $\begin{array}{lllllllll}1000 & 1324.256 & 0.009756 & 0.101336 & 0.137302 & 0.098679 & 4.292796 & 4.947793 & 0.009385\end{array}$ $\begin{array}{lllllllll}1000 & 703.6922 & 0.006659 & 0.084906 & 0.046896 & 0.06574 & 2.840201 & 2.90494 & 0.007919\end{array}$ $\begin{array}{lllllllll}1000 & 825.6332 & 0.010975 & 0.100352 & 0.08978 & 0.07033 & 3.239133 & 3.664747 & 0.006101 \\ 1000 & 1034.259 & 0.012176 & 0.114602 & 0.061401 & 0.05521 & 4.56873 & 4.448224 & 0.009237\end{array}$ $\begin{array}{llllllllll}1000 & 916.2945 & 0.016705 & 0.101138 & 0.120177 & 0.090567 & 5.192324 & 4.502734 & 0.0090375\end{array}$ $\begin{array}{llllllllll}1000 & 825.8778 & 0.007036 & 0.098165 & 0.060628 & 0.070739 & 3.900381 & 3.578411 & 0.012907\end{array}$ $\begin{array}{lllllllll}1000 & 1155.405 & 0.01102 & 0.103596 & 0.135147 & 0.102994 & 4.909748 & 4.706077 & 0.012697\end{array}$ $\begin{array}{lllllllll}1000 & 813.3077 & 0.010929 & 0.102051 & 0.107932 & 0.076639 & 3.817345 & 3.87721 & 0.010811\end{array}$ $\begin{array}{llllllllllllll}1000 & 914.6925 & 0.010652 & 0.076627 & 0.076387 & 0.085377 & 4.407336 & 3.619565 & 0.012099\end{array}$ $\begin{array}{llllllllll}1000 & 920.6502 & 0.015795 & 0.116947 & 0.127196 & 0.070757 & 4.800968 & 5.007915 & 0.010288\end{array}$ $\begin{array}{lllllllll}1000 & 954.6204 & 0.011465 & 0.06894 & 0.095311 & 0.080382 & 3.50812 & 3.812511 & 0.009583 \\ 1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 & 0.006357\end{array}$ $\begin{array}{rrrrrrrr}1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 \\ 10.006357 \\ 1000 & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 \\ 0 & 0.011001\end{array}$ $\begin{array}{lllllllll} & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 & 0.0110067 \\ 1000 & 926.7225 & 0.019365 & 0.096769 & 0.125932 & 0.097836 & 5.89259 & 4.229299 & 0.012267\end{array}$ $\begin{array}{lllllllll}1000 & 828.3485 & 0.011012 & 0.086456 & 0.072677 & 0.075966 & 3.779308 & 3.02274 & 0.009313\end{array}$ $\begin{array}{lllllllll}1000 & 1161.764 & 0.011365 & 0.109718 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005806\end{array}$ $\begin{array}{lllllllll}1000 & 1611.764 & 0.011365 & 0.10971 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005830 \\ 1000 & 1047.277 & 0.00882 & 0.104816 & 0.119221 & 0.087379 & 4.200663 & 4.849936 & 0.009275\end{array}$ | 1000 | 891.3188 | 0.009442 | 0.091106 | 0.114499 | 0.098883 | 3.480927 | 3.562527 | 0.006534 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 977.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 | | 1000 | 797.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1156.795 & 0.009631 & 0.142164 & 0.077825 & 0.111322 & 4.333877 & 5.226023 & 0.013111 \\ 1000 & 944.7618 & 0.008217 & 0.10563 & 0.061842 & 0.079404 & 3.985668 & 4.081635 & 0.005877\end{array}$ $\begin{array}{lllllllll}1000 & 9445.5014 & 0.008816 & 0.093887 & 0.076977 & 0.101333 & 4.385944 & 4.171995 & 0.0048677\end{array}$ $\begin{array}{llllllllll}1000 & 873.9323 & 0.006792 & 0.112003 & 0.094152 & 0.108877 & 4.237036 & 4.216531 & 0.008746\end{array}$ $\begin{array}{llllllllll}1000 & 1410.894 & 0.014165 & 0.113134 & 0.086203 & 0.088789 & 4.513254 & 4.305039 & 0.010252\end{array}$ $\begin{array}{lllllllll}1000 & 948.2983 & 0.003536 & 0.113041 & 0.107225 & 0.091019 & 4.072684 & 4.52745 & 0.006672\end{array}$ $\begin{array}{lllllllll}1000 & 740.6505 & 0.005411 & 0.076641 & 0.066764 & 0.060943 & 3.262087 & 2.835855 & 0.00674 \\ 1000 & 829.9658 & 0.00529 & 0.077766 & 0.054144 & 0.11726 & 3.428368 & 3.865448 & 0.007734\end{array}$ | 1000 | 829.9658 | 0.00529 | 0.077766 | 0.054149 | 0.117286 | 3.498268 | 3.864548 | 0.007734 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 807.4725 & 0.01077 & 0.089988 & 0.102311 & 0.104708 & 3.53959 & 3.951815 & 0.008468\end{array}$ $\begin{array}{llllllllll}1000 & 625.9525 & 0.007907 & 0.066094 & 0.056907 & 0.05721 & 3.039407 & 3.249657 & 0.005351 \\ 1000 & 795.8265 & 0.010302 & 0.068463 & 0.094903 & 0.128941 & 3.32438 & 3.108438 & 0.00443\end{array}$ $\begin{array}{lllllllll}1000 & 1065.478 & 0.013635 & 0.097266 & 0.0559 & 0.071746 & 4.153582 & 3.872499 & 0.007499\end{array}$ $\begin{array}{lllllllll}1000 & 1004.091 & 0.015923 & 0.09168 & 0.080265 & 0.095451 & 5.054765 & 4.364382 & 0.006421\end{array}$ $\begin{array}{lllllllll}1000 & 1045.102 & 0.01334 & 0.102867 & 0.057352 & 0.079753 & 3.461246 & 3.510425 & 0.003583\end{array}$ $\begin{array}{lllllllll}1000 & 1018.723 & 0.010329 & 0.067551 & 0.105888 & 0.064331 & 3.073359 & 2.940115 & 0.004365\end{array}$ $\begin{array}{llllllllll}1000 & 857.1641 & 0.007611 & 0.074142 & 0.058673 & 0.058886 & 2.988797 & 2.959785 & 0.005923 \\ 1000 & & 31.4585 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 380647 & 3.47813 & 0.005086\end{array}$ $\begin{array}{lllllllll}1000 & 931.45855 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 3.80647 & 3.478132 & 0.005086 \\ 1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753\end{array}$ $\begin{array}{lllllllll}1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753 \\ 1000 & 890.6175 & 0.003749 & 0.07393 & 0.063187 & 0.061287 & 3.095169 & 3.189477 & 0.002408\end{array}$ $\begin{array}{lllllllll}1000 & 890.6175 & 0.003749 & 0.07393 & 0.063188 & 0.061287 & 3.095169 & 3.189477 & 0.002408 \\ 1000 & 955.0018 & 0.007812 & 0.071794 & 0.078389 & 0.070699 & 3.26266 & 3.142689 & 0.000858\end{array}$ $\begin{array}{llllllllll}1000 & 9499.4681 & 0.004039 & 0.081506 & 0.081974 & 0.073163 & 3.655159 & 3.428821 & 0.002951\end{array}$ $\begin{array}{lllllllllll}1000 & 1093.527 & 0.011701 & 0.079208 & 0.054211 & 0.076298 & 3.512374 & 3.572749 & 0.004509\end{array}$ $\begin{array}{lllllllll}1000 & 869.6405 & 0.004782 & 0.060918 & 0.10562 & 0.052589 & 3.35508 & 3.336445 & 0.002368\end{array}$ $\begin{array}{lllllllll}1000 & 822.2375 & 0.003044 & 0.066574 & 0.023122 & 0.050034 & 3.000961 & 3.08378 & 0.001469\end{array}$ $\begin{array}{llllllllll}1000 & 1012.584 & 0.00491 & 0.067987 & 0.066981 & 0.057394 & 3.347137 & 3.862973 & 0.004069\end{array}$ $\begin{array}{lllllllll}1000 & 1080.664 & 0.004111 & 0.049027 \\ 1000 & 056.2832 & 0.055718 & 0.068522 & 3.691904 & 3.964249 & 0.001371\end{array}$ $\begin{array}{lllllllll}1000 & 856.2832 & 0.003448 & 0.055312 & 0.068453 & 0.044904 & 3.446015 & 3.456855 & 0.001545 \\ 1000 & 1011.951 & 0.009626 & 0.060266 & 0.022406 & 0.059954 & 4.037772 & 3.789148 & 0.003658\end{array}$ $\begin{array}{lllllllll}1000 & 1004.951 & 0.006057 & 0.067936 & 0.069196 & 0.059292 & 4.27992 & 3.930326 & 0.001364\end{array}$ $\begin{array}{llllllllll}1000 & 1107.037 & 0.004778 & 0.058946 & 0.021915 & 0.050295 & 4.062097 & 4.331422 & 0.001667\end{array}$ $\begin{array}{llllllllll}1000 & 1115.189 & 0.002279 & 0.049183 & 0.048221 & 0.037579 & 3.91192 & 4.057308 & 0.001294\end{array}$



$\begin{array}{lllll}0.035028 & 0.376487 & 0.417775 & 0.428052\end{array}$ $\begin{array}{lllll}0.021857 & 0.410397 & 0.356959 & 0.308907\end{array}$ $\begin{array}{llllll}0.030416 & 0.351169 & 0.287911 & 0.303057\end{array}$ $\begin{array}{lllll}0.030292 & 0.37535 & 0.32485 & 0.267431\end{array}$ $\begin{array}{lllll}0.040283 & 0.277973 & 0.376696 & 0.396013\end{array}$ $\begin{array}{rlll}0.03703 & 0.320573 & 0.303256 & 0.276236\end{array}$ $\begin{array}{llll}0.051772 & 0.327455 & 0.295775 & 0.282363 \\ 0\end{array}$ $\begin{array}{llll}0.031213 & 0.206816 & 0.328234 & 0.235368 \\ 0.029797 & 0.26085 & 0.332935 & 0.341638\end{array}$ $\begin{array}{lllll} & 0.02987 \\ 0.026886 & 0.32711 & 0.370161 & 0.363714\end{array}$ $\begin{array}{lllll}0.020683 & 0.34778 & 0.421404 & 0.50626\end{array}$ $\begin{array}{lllll}0.043793 & 0.374611 & 0.503915 & 0.395932\end{array}$ $\begin{array}{llllll}0.019344 & 0.425115 & 0.544809 & 0.483431\end{array}$ $\begin{array}{lllll}0.035737 & 0.333298 & 0.643927 & 0.936236\end{array}$ $\begin{array}{lllll}0.048138 & 0.379225 & 0.445168 & 0.823688\end{array}$ $\begin{array}{llll}0.08197 & 0.336332 & 0.547675 & 0.399162 \\ 0.047058 & 0.410634 & 0.776648 & 0.749854\end{array}$ $\begin{array}{llll}0.04058 & 0.410634 & 0.776648 & 0.749854 \\ 0.048827 & 0.358637 & 0.628326 & 0.601575\end{array}$ $\begin{array}{lllll}0.043479 & 0.195671 & 0.54747 & 0.56329\end{array}$ $\begin{array}{lllll}0.071734 & 0.267242 & 0.677402 & 0.715816\end{array}$ $\begin{array}{lllll}0.056774 & 0.248151 & 0.807629 & 0.515172\end{array}$ $\begin{array}{llllll}0.058836 & 0.298753 & 0.625254 & 0.586547\end{array}$ $\begin{array}{llll}0.041194 & 0.266268 & 0.56856 & 0.617736 \\ 0\end{array}$ $\begin{array}{llll}0.086047 & 0.263418 & 0.601788 & 0.559653\end{array}$ $\begin{array}{llll}0.059752 & 0.313196 & 0.574159 & 0.424342 \\ 0\end{array}$ $\begin{array}{lllll}0.062386 & 0.271601 & 0.767866 & 0.531861\end{array}$ $\begin{array}{lllll}0.081882 & 0.215644 & 0.557541 & 0.606412\end{array}$ $\begin{array}{lllll}0.039721 & 0.28398 & 0.611658 & 0.516455\end{array}$ $\begin{array}{lllll}0.044551 & 0.263786 & 0.50314 & 0.469553\end{array}$ $\begin{array}{llll}0.070123 & 0.23722 & 0.496852 & 0.514453\end{array}$ $\begin{array}{llll}0.057382 & 0.256137 & 0.491356 & 0.450584\end{array}$ $\begin{array}{llll}0.047699 & 0.266006 & 0.411523 & 0.30543 \\ 0.048341 & 0.288725 & 0.527391 & 0.47777\end{array}$ $\begin{array}{llll}0.054723 & 0.336709 & 0.489652 & 0.529382\end{array}$ $\begin{array}{lllll}0.052886 & 0.249091 & 0.504808 & 0.303952\end{array}$ $\begin{array}{lllll}0.033548 & 0.261595 & 0.526281 & 0.418348\end{array}$ $\begin{array}{lllll}0.04383 & 0.282789 & 0.534421 & 0.489166\end{array}$ $\begin{array}{llll}0.032599 & 0.261806 & 0.875228 & 0.530797\end{array}$ $\begin{array}{lllll}0.04815 & 0.357464 & 0.492851 & 0.477598\end{array}$ $\begin{array}{llll}0.048561 & 0.359645 & 0.568071 & 0.530688 \\ 0.04731 & 0.287309 & 0.459911 & 0.530564\end{array}$ $\begin{array}{lllll}0.047194 & 0.353967 & 0.459911 & 0.530564 \\ 0.75973 & 0.553662\end{array}$ $\begin{array}{lllll}0.070022 & 0.371984 & 0.595693 & 0.692863\end{array}$ $\begin{array}{lllll}0.065923 & 0.312506 & 0.563454 & 0.40364\end{array}$ $\begin{array}{lllll}0.060119 & 0.336135 & 0.760356 & 0.594158\end{array}$ $\begin{array}{llllll}0.053311 & 0.356963 & 0.765681 & 0.760563\end{array}$ $\begin{array}{lllll}0.070797 & 0.278996 & 0.573614 & 0.712964\end{array}$ $\begin{array}{llll}0.040789 & 0.219488 & 0.723918 & 0.539881\end{array}$ $\begin{array}{llll}0.072789 & 0.278736 & 0.578844 & 0.660738 \\ 0.092182 & 0.235582 & 0.924969 & 0.588656\end{array}$ $\begin{array}{lllll}0.055517 & 0.2575434 & 0.589117 & 0.555687 \\ 0.05856\end{array}$ $\begin{array}{lllllll}0.074849 & 0.282057 & 0.625797 & 0.64309\end{array}$ $\begin{array}{llllll}0.060006 & 0.31065 & 0.643697 & 0.556327\end{array}$ $\begin{array}{lllll}0.036844 & 0.2436 & 0.600106 & 0.555423\end{array}$ $\begin{array}{llll}0.059383 & 0.329862 & 0.589537 & 0.458345\end{array}$ $\begin{array}{llll}0.034756 & 0.20102 & 0.481821 & 0.327827\end{array}$ $\begin{array}{llll}0.043194 & 0.213071 & 0.319899 & 0.356155 \\ 0.050184 & 0.39786 & 0.474666 & 0.424577\end{array}$ $\begin{array}{llll}0.050184 & 0.39786 & 0.474666 & 0.424577 \\ 0.028916 & 0.228787 & 0.502222 & 0.345804\end{array}$ 0.054670 .2598030 .4229660 .413569 $\begin{array}{llllll}0.018441 & 0.245527 & 0.446319 & 0.378729\end{array}$ $\begin{array}{lllll}0.057609 & 0.200257 & 0.295037 & 0.345752\end{array}$
$\begin{array}{lllllllll}1000 & 1108.548 & 0.005133 & 0.038956 & 0.022906 & 0.044815 & 4.264096 & 4.252393 & 0.001742\end{array}$ $\begin{array}{llllllll}10000 & 1064.173 & 0.000938 & 0.059692 & 0.0600886 & 0.039183 & 3.733479 & 4.199405\end{array} 0.0002432$ $\begin{array}{lllllllll}1000 & 909.7895 & 0.006343 & 0.06436 & 0.022289 & 0.041722 & 3.82401 & 4.044597 & 0.00325\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.004123 & 0.068476 & 0.062984 & 0.052049 & 3.974952 & 3.95455 & 0.005285\end{array}$ $\begin{array}{llllllll}1000 & 1133.472 & 0.012053 & 0.062466 & 0.039625 & 0.04144 & 3.623068 & 3.699988 \\ 0.00404001\end{array}$ $\begin{array}{llllllll}1000 & 1020.749 & 0.018055 & 0.078434 & 0.065784 & 0.061984 & 4.369759 & 4.1699766 \\ 0 & 0.005539\end{array}$ $\begin{array}{lllllllll}1000 & 1023.759 & 0.016307 & 0.088591 & 0.051384 & 0.060454 & 4.104753 & 4.007953 & 0.0033898\end{array}$ $\begin{array}{lllllllll}1000 & 848.0146 & 0.013916 & 0.058286 & 0.043161 & 0.045413 & 3.152509 & 3.621434 & 0.00517 \\ 1000 & 850.9336 & 0.011538 & 0.071965 & 0.041264 & 0.064923 & 3.618871 & 3.544645 & 0.004401\end{array}$ $\begin{array}{lllllllll}1000 & 766.0989 & 0.008721 & 0.062355 & 0.062714 & 0.047789 & 3.749247 & 3.880926 & 0.00471\end{array}$ $\begin{array}{llllllllll}1000 & 1005.176 & 0.008978 & 0.064304 & 0.074483 & 0.043734 & 4.572506 & 3.831523 & 0.004266\end{array}$ $\begin{array}{lllllllll}1000 & 912.1135 & 0.011277 & 0.077203 & 0.042429 & 0.05936 & 4.215434 & 4.03289 & 0.002832\end{array}$ $\begin{array}{lllllllll}1000 & 970.426 & 0.017992 & 0.067072 & 0.063069 & 0.060768 & 4.630065 & 4.768905 & 0.00252\end{array}$ $\begin{array}{lllllllll}1000 & 1043.775 & 0.022474 & 0.076046 & 0.06702 & 0.108494 & 5.17051 & 4.922747 & 0.009833\end{array}$ $\begin{array}{lllllllll}1000 & 873.2904 & 0.019853 & 0.087224 & 0.062361 & 0.083392 & 4.011397 & 3.84184 & 0.00321 \\ 1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654\end{array}$ $\begin{array}{lllllllll}1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654 \\ 1000 & 1023.371 & 0.023073 & 0.09027 & 0.086384 & 0.063878 & 4.285553 & 4.370276 & 0.007743\end{array}$ $\begin{array}{llllllllll}1000 & 1023.372 & 0.023035 & 0.0927 & 0.08684 & 0.06885 & 4.28553 & 4.370276 & 0.007743 \\ 1000 & 974.7527 & 0.02395 & 0.1507 & 0.06145 & 0.062953 & 4.028921 & 4.512634 & 0.010559\end{array}$ $\begin{array}{llllllllllll}1000 & 893.6566 & 0.021923 & 0.107558 & 0.105299 & 0.097753 & 4.037576 & 3.878276 & 0.008028\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 1039.476 & 0.019774 & 0.115837 & 0.076663 & 0.109107 & 3.757368 & 3.986344 & 0.006872\end{array}$ $\begin{array}{lllllllllll}1000 & 823.1696 & 0.0187 & 0.110961 & 0.085356 & 0.100126 & 3.44885 & 3.916656 & 0.006656\end{array}$ $\begin{array}{lllllllll}1000 & 1060.048 & 0.026804 & 0.10061 & 0.108638 & 0.114556 & 4.237866 & 4.072467 & 0.008969\end{array}$ $\begin{array}{lllllllll}1000 & 1008.253 & 0.026157 & 0.097532 & 0.109355 & 0.108454 & 4.162993 & 4.17463 & 0.013334\end{array}$ $\begin{array}{lllllllll}1000 & 899.848 & 0.027544 & 0.117482 & 0.09932 & 0.133542 & 4.064517 & 3.993839 & 0.007476 \\ 1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937 \\ 1000 & 1023.38 & 0.025085 & 0.114501 & 0.136092 & 0.096634 & 4.138614 & 3.81941 & 0.006509\end{array}$ $\begin{array}{llllllllll}1000 & 970.3587 & 0.020799 & 0.10025 & 0.08143 & 0.098163 & 4.206118 & 4.317794 & 0.003154\end{array}$ $\begin{array}{llllllllll}1000 & 915.5065 & 0.011175 & 0.118047 & 0.112181 & 0.089042 & 3.618862 & 3.70401 & 0.010017\end{array}$ $\begin{array}{lllllllll}1000 & 1089.335 & 0.009007 & 0.088039 & 0.147232 & 0.102797 & 3.531798 & 4.255163 & 0.004955\end{array}$ $\begin{array}{lllllllll}1000 & 1038.068 & 0.009626 & 0.074058 & 0.060089 & 0.072338 & 3.42897 & 3.495564 & 0.004745\end{array}$ $\begin{array}{llllllll}1000 & 948.7363 & 0.007992 & 0.068884 & 0.061609 & 0.088961 & 3.50209 & 3.692827 \\ 0 & 0.004187\end{array}$ $\begin{array}{lllllllll}1000 & 877.7375 & 0.00959 & 0.073013 & 0.077498 & 0.093423 & 3.418535 & 3.832004 & 0.006234 \\ 1000 & 956.7108 & 0.005436 & 0.07089 & 0.086999 & 0.08103 & 3.726575 & 3.603131 & 0.002786\end{array}$ $\begin{array}{llllllll}1000 & 956.7108 & 0.005436 & 0.070897 & 0.086999 & 0.08103 & 3.726575 & 3.603131\end{array} 0.002786$ $\begin{array}{lllllllll}1000 & 1132.198 & 0.007035 & 0.095474 & 0.05324 & 0.077769 & 3.818563 & 4.265658 & 0.0044429\end{array}$ $\begin{array}{lllllllll}1000 & 832.1126 & 0.002605 & 0.061511 & 0.074868 & 0.06125 & 3.255207 & 3.280071 & 0.004004\end{array}$

 $\begin{array}{lllllllll}1000 & 996.8766 & 0.006269 & 0.087424 & 0.100508 & 0.083565 & 3.424422 & 3.843026 & 0.002962\end{array}$ $\begin{array}{llllllll}1000 & 11566.703 & 0.004006 & 0.07669 & 0.143069 & 0.07541 & 4.075957 & 4.187035 \\ 0.0008059\end{array}$ $\begin{array}{lllllllll}1000 & 891.4227 & 0.005092 & 0.071734 & 0.099173 & 0.066068 & 3.936154 & 3.715779 & 0.003858 \\ 1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.149235 & 3.635626 & 0.006679\end{array}$ $\begin{array}{lllllllll}1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.419235 & 3.635626 & 0.006679 \\ 1000 & 887.3393 & 0.007285 & 0.070707 & 0.068663 & 0.068881 & 3.750428 & 3.773376 & 0.007114\end{array}$ $\begin{array}{llllllllll}1000 & 1066.959 & 0.019271 & 0.093481 & 0.093181 & 0.077137 & 5.787344 & 4.372779 & 0.00946\end{array}$ $\begin{array}{llllllllll}1000 & 1302.067 & 0.015506 & 0.082069 & 0.124692 & 0.131703 & 4.986151 & 4.585501 & 0.007337\end{array}$ $\begin{array}{lllllllllllll}1000 & 812.4959 & 0.012109 & 0.079873 & 0.06104 & 0.073313 & 3.527808 & 3.821447 & 0.006674\end{array}$ $\begin{array}{llllllllll}1000 & 966.9775 & 0.020721 & 0.140384 & 0.134148 & 0.161083 & 4.422682 & 4.712396 & 0.013498\end{array}$ $\begin{array}{lllllllll}1000 & 1229.557 & 0.026476 & 0.231236 & 0.219388 & 0.204314 & 5.637636 & 5.061217 & 0.011036\end{array}$ $\begin{array}{lllllllll}1000 & 1313.712 & 0.033448 & 0.239708 & 0.20347 & 0.228106 & 4.579264 & 4.589 & 0.013898\end{array}$ $\begin{array}{lllllllll}1000 & 914.5175 & 0.026937 & 0.133971 & 0.126773 & 0.111383 & 3.678068 & 3.943558 & 0.010162 \\ 1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573\end{array}$ $\begin{array}{lllllrlll}1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573 \\ 1000 & 1240.811 & 0.030683 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.672415 & 0.009696\end{array}$ $\begin{array}{lllllllll}1000 & 1240.811 & 0.030383 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.678415 & 0.009696 \\ 1000 & 938.2688 & 0.037719 & 0.12271 & 0.098416 & 0.091121 & 3.680776 & 3.610763 & 0.007546\end{array}$ $\begin{array}{llllllllll}1000 & 955.4093 & 0.024604 & 0.105046 & 0.126463 & 0.124623 & 4.207025 & 4.286892 & 0.007193\end{array}$ $\begin{array}{llllllllll}1000 & 996.0414 & 0.030438 & 0.120475 & 0.089153 & 0.114515 & 4.168469 & 4.529134 & 0.012263\end{array}$ $\begin{array}{llllllllll}1000 & 9999.7431 & 0.024646 & 0.109388 & 0.125527 & 0.094572 & 4.160495 & 4.009752 & 0.009175\end{array}$ $\begin{array}{lllllllll}1000 & 9933.2419 & 0.025452 & 0.130885 & 0.124318 & 0.110991 & 3.697623 & 4.156844 & 0.006706 \\ 1000 & 817.6111 & 0.020671 & 0.092829 & 0.082038 & 0.072505 & 351454 & 3.16952 & 0.004626\end{array}$ $\begin{array}{lllllllll}1000 & 817.6111 & 0.020671 & 0.098229 & 0.082039 & 0.072505 & 3.514754 & 3.16052 & 0.004626\end{array}$ | 1000 | 804.1267 | 0.018368 | 0.101029 | 0.083987 | 0.085626 | 2.83094 | 3.259825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 982.0805 | 0.006618 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 982.0805 & 0.022924 & 0.122517 & 0.069108 & 0.089649 & 3.891964 & 3.569157 & 0.007357 \\ 1000 & 959.0853 & 0.012008 & 0.083894 & 0.067447 & 0.089008 & 3.451132 & 3.487726 & 0.003747\end{array}$ $\begin{array}{lllllllll}1000 & 9028.965 & 0.018894 & 0.081575 & 0.069721 & 0.083393 & 3.542995 & 3.851619 & 0.008792\end{array}$ $\begin{array}{llllllllll}1000 & 1009.537 & 0.015858 & 0.067928 & 0.085206 & 0.080828 & 3.688952 & 3.454282 & 0.003702\end{array}$ $\begin{array}{llllllllllllll}1000 & 755.3925 & 0.009323 & 0.066262 & 0.039059 & 0.041791 & 2.989262 & 2.906366 & 0.003535\end{array}$


$\begin{array}{llll}0.054092 & 0.289757 & 0.340842 & 0.368277\end{array}$ $\begin{array}{lllll}0.033654 & 0.321184 & 0.391179 & 0.387664\end{array}$ $\begin{array}{llllll}0.030532 & 0.279849 & 0.286134 & 0.274418\end{array}$ $\begin{array}{llllll}0.035466 & 0.267416 & 0.355427 & 0.436274\end{array}$ $\begin{array}{lllll}0.030554 & 0.291698 & 0.427795 & 0.398125\end{array}$ $\begin{array}{llllll}0.036795 & 0.360412 & 0.394157 & 0.442223\end{array}$ $\begin{array}{lllll}0.030096 & 0.285217 & 0.423649 & 0.329241\end{array}$ $\begin{array}{llll}0.055956 & 0.241749 & 0.54953 & 0.3979 \\ 0.048328 & 0.342476 & 0.50657 & 0.36987\end{array}$ $\begin{array}{lllll}0.044503 & 0.340649 & 0.530332 & 0.475021\end{array}$ $\begin{array}{lllll}0.051932 & 0.260829 & 0.519429 & 0.532244\end{array}$ $\begin{array}{lllll}0.054454 & 0.25881 & 0.63729 & 0.587583\end{array}$ $\begin{array}{llllll}0.041082 & 0.311026 & 0.536662 & 0.481904\end{array}$ $\begin{array}{lllllll}0.036808 & 0.263224 & 0.532341 & 0.501419\end{array}$ $\begin{array}{llllllll}0.057375 & 0.285146 & 0.490599 & 0.525493\end{array}$ $\begin{array}{llll}0.044492 & 0.342901 & 0.661416 & 0.764035 \\ 0.041267 & 0.298813 & 0.671696 & 0.701571\end{array}$ $\begin{array}{lllll}0.038368 & 0.271879 & 0.446489 & 0.506191\end{array}$ 0.0907130 .2569230 .6603050 .704226 $\begin{array}{llllllll}0.039179 & 0.305213 & 0.625065 & 0.597752\end{array}$ $\begin{array}{llllllll}0.030202 & 0.280147 & 0.746868 & 0.630979\end{array}$ $\begin{array}{lllllll}0.04115 & 0.25171 & 0.516556 & 0.566256\end{array}$ $\begin{array}{llll}0.04404 & 0.301776 & 0.598822 & 0.596956\end{array}$ $\begin{array}{llll}0.054676 & 0.183754 & 0.742675 & 0.469875\end{array}$ $\begin{array}{rrrr}0.062838 & 0.304259 & 0.728099 & 0.652668 \\ 0.091059 & 0.317841 & 0.633 & 0.759683\end{array}$ $0.0535390 .338518 \quad 0.710589 \quad 0.68128$ $\begin{array}{lllll}0.063652 & 0.214742 & 0.744885 & 0.676176\end{array}$ 0.0479970 .2058470 .5853780 .534424 $\begin{array}{llllllll}0.075172 & 0.342219 & 0.614194 & 0.797316\end{array}$ $\begin{array}{lllll}0.05574 & 0.24852 & 0.593205 & 0.554679\end{array}$ $\begin{array}{lllll}0.03444 & 0.297361 & 0.808939 & 0.747512\end{array}$ $\begin{array}{llll}0.072958 & 0.243379 & 0.437268 & 0.411238 \\ 0.063089 & 0.292698 & 0.527147 & 0.365824\end{array}$ $\begin{array}{lllll}0.044431 & 0.241997 & 0.470228 & 0.383968\end{array}$ $\begin{array}{llllll}0.044248 & 0.252502 & 0.478351 & 0.515959\end{array}$ $\begin{array}{lllll}0.052418 & 0.311691 & 0.487453 & 0.468492\end{array}$ $\begin{array}{llllll}0.053004 & 0.294721 & 0.507214 & 0.464104\end{array}$ $\begin{array}{lllllllll}0.04542 & 0.381908 & 0.569264 & 0.401692\end{array}$ $\begin{array}{llll}0.047889 & 0.2619 & 0.395656 & 0.402793\end{array}$ $\begin{array}{lllll}0.032389 & 0.140739 & 0.377277 & 0.315399\end{array}$ $\begin{array}{lllll}0.027599 & 0.211179 & 0.380193 & 0.337554\end{array}$ $\begin{array}{lllll}0.05389 & 0.23173 & 0.489868 & 0.423171\end{array}$ $\begin{array}{lllll}0.035395 & 0.284612 & 0.529018 & 0.337781\end{array}$ $\begin{array}{lllllll}0.057315 & 0.236459 & 0.440994 & 0.411801\end{array}$ $\begin{array}{llllll}0.02678 & 0.275264 & 0.4325 & 0.409186\end{array}$ $\begin{array}{llllll}0.038734 & 0.245814 & 0.397612 & 0.399987\end{array}$ $\begin{array}{llll}0.046876 & 0.269148 & 0.44984 & 0.379988 \\ 0\end{array}$ $\begin{array}{llll}0.045548 & 0.16684 & 0.346027 & 0.398413\end{array}$ $\begin{array}{llllll}0.040967 & 0.239262 & 0.351237 & 0.425069\end{array}$ $\begin{array}{lllll}0.037768 & 0.207041 & 0.43951 & 0.265456\end{array}$ 0.0327980 .2231490 .2234040 .26864 $\begin{array}{llllll}0.034179 & 0.195723 & 0.434751 & 0.32026\end{array}$ $\begin{array}{lllll}0.032551 & 0.330623 & 0.50207 & 0.388566\end{array}$ $\begin{array}{llllllll}0.040341 & 0.221148 & 0.452714 & 0.430264\end{array}$ $\begin{array}{llll}0.037549 & 0.253045 & 0.402368 & 0.425946 \\ 0.048674 & 0.301212 & 0.48684 & 0.397498\end{array}$ $\begin{array}{lllll}0.03533 & 0.1903 & 0.343706 & 0.4613488\end{array}$ $\begin{array}{llll}0.030153 & 0.226496 & 0.374542 & 0.415161\end{array}$ $\begin{array}{llllllll}0.042013 & 0.306414 & 0.687507 & 0.405286\end{array}$ $\begin{array}{llllllll}0.051944 & 0.280186 & 0.636568 & 0.351326\end{array}$

$\begin{array}{lllllllllll}1000 & 954.7402 & 0.011517 & 0.076657 & 0.073026 & 0.053915 & 3.454273 & 3.722854 & 0.004414\end{array}$ | 100 | 1272.714 | 0.00827 | 0.078577 | 0.079631 | 0.06909 | 3.380522 | 3.60338 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.005034 |  |  |  |  |  |  |
| 1000 | 1090.563 | 0.012696 | 0.11002 | 0.155683 | 0.080239 | 3.342793 | 3.353529 | $\begin{array}{llllllll}1000 & 1090.563 & 0.012696 & 0.11002 & 0.135683 & 0.080239 & 3.342793 & 3.355329\end{array} 0.00738$ $\begin{array}{lllllllll}1000 & 1108.202 & 0.005335 & 0.109308 & 0.063518 & 0.067985 & 3.879584 & 3.752298 & 0.008857\end{array}$ $\begin{array}{lllllllll}1000 & 806.8444 & 0.004324 & 0.102574 & 0.059605 & 0.073346 & 3.653791 & 3.516556 & 0.0004051\end{array}$ $\begin{array}{lllllllll}1000 & 914.2567 & 0.004153 & 0.114086 & 0.049489 & 0.080209 & 3.794394 & 3.571954 & 0.004479 \\ 1000 & 893.4262 & 0.006385 & 0.042731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022\end{array}$ $\begin{array}{lllllllll}1000 & 893.4262 & 0.006385 & 0.082731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022 \\ 1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043\end{array}$ $\begin{array}{lllllllll}1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043 \\ 1000 & 1169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434\end{array}$ $\begin{array}{lllllllll}1000 & 169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434 \\ 1000 & 1053.112 & 0.013905 & 0.094439 & 0.126871 & 0.084418 & 3.853167 & 3.719851 & 0.007851\end{array}$ $\begin{array}{llllllllll}1000 & 924.9597 & 0.013821 & 0.095901 & 0.092919 & 0.083954 & 3.303534 & 3.69245 & 0.008313\end{array}$ $\begin{array}{llllllllll}1000 & 929.897 & 0.011303 & 0.100757 & 0.124632 & 0.102378 & 3.70694 & 4.155721 & 0.006357\end{array}$ $\begin{array}{lllllllllllll}1000 & 816.8621 & 0.012361 & 0.068867 & 0.110598 & 0.067444 & 3.685269 & 3.213626 & 0.006508\end{array}$ $\begin{array}{lllllllll}1000 & 949.325 & 0.009912 & 0.106425 & 0.100117 & 0.096079 & 3.538048 & 3.874579 & 0.00542\end{array}$ $\begin{array}{llllllllll}1000 & 926.7873 & 0.007784 & 0.096236 & 0.118035 & 0.086178 & 3.763401 & 3.563227 & 0.005645\end{array}$ $\begin{array}{lllllllll}1000 & 912.4806 & 0.006225 & 0.086799 & 0.07192 & 0.071014 & 4.445459 & 3.966092 & 0.003644 \\ 1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679 \\ 1000 & 739.955 & 0.008665 & 0.072257 & 0.059415 & 0.04739 & 3.539247 & 3.431989 & 0.003882\end{array}$ $\begin{array}{llllllllll}1000 & 923.6396 & 0.015139 & 0.088651 & 0.107531 & 0.101202 & 4.080767 & 4.18379 & 0.007229\end{array}$ $\begin{array}{lllllllll}1000 & 998.7942 & 0.014375 & 0.092799 & 0.069904 & 0.077983 & 4.859558 & 4.062325 & 0.00789\end{array}$ $\begin{array}{llllllllll}1000 & 964.0702 & 0.018234 & 0.095121 & 0.065995 & 0.08995 & 3.717948 & 3.640993 & 0.00806\end{array}$ $\begin{array}{llllllllll}1000 & 742.7638 & 0.015159 & 0.067252 & 0.065988 & 0.057898 & 3.160749 & 3.546165 & 0.005081\end{array}$ $\begin{array}{llllllllll}1000 & 905.9696 & 0.029472 & 0.080984 & 0.089015 & 0.088469 & 3.896241 & 3.704055 & 0.006701 \\ 1000 & 677.0832 & 0.018717 & 0.04472 & 0.0633 & 0.067052 & 2.083352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{lllllllll}1000 & 677.0832 & 0.017817 & 0.06472 & 0.0683 & 0.067052 & 2.983352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{rrrrrrrr}1000 & 835.3986 & 0.0193 & 0.107959 & 0.061102 & 0.089965 & 3.770492 & 3.983881 \\ 1000 & 1055.227 & 0.031029 & 0.130869 & 0.149497 & 0.164357 & 4.198231 & 4.428987 \\ & 0.010879\end{array}$ $\begin{array}{lllllllll}1000 & 1135.769 & 0.024039 & 0.235507 & 0.261928 & 0.220107 & 5.123973 & 5.447309 & 0.011872\end{array}$ $\begin{array}{lllllllllll}1000 & 901.5444 & 0.024493 & 0.217719 & 0.170897 & 0.216832 & 3.868588 & 3.896199 & 0.008384\end{array}$ $\begin{array}{lllllllll}1000 & 816.8693 & 0.020738 & 0.159573 & 0.105127 & 0.128959 & 3.802623 & 3.555526 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1104.072 & 0.031599 & 0.212523 & 0.119492 & 0.157064 & 4.515302 & 4.766327 & 0.011752 \\ 1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.731092 & 0.05317\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.730092 & 0.005317 \\ 1000 & 1437.525 & 0.029841 & 0.115872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044\end{array}$ $\begin{array}{lllllllll}1000 & 1437.525 & 0.029841 & 0.135872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044 \\ 1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337\end{array}$ $\begin{array}{lllllllll}1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337 \\ 1000 & 886.2676 & 0.025805 & 0.107506 & 0.089154 & 0.095463 & 3.506874 & 3.711658 & 0.003538\end{array}$ $\begin{array}{lllllllllll}1000 & 842.032 & 0.01552 & 0.084389 & 0.063155 & 0.04805 & 2.955204 & 3.227979 & 0.008163\end{array}$

 $\begin{array}{llllllllll}1000 & 1032.266 & 0.015278 & 0.093465 & 0.063198 & 0.092677 & 4.303188 & 4.427348 & 0.006097\end{array}$ $\begin{array}{llllllllll}1000 & 1163.191 & 0.012721 & 0.082095 & 0.074277 & 0.086568 & 3.662919 & 4.265463 & 0.005579\end{array}$ $\begin{array}{lllllllll}1000 & 952.1707 & 0.013492 & 0.094063 & 0.058444 & 0.058092 & 3.449602 & 4.095555 & 0.005638\end{array}$ $\begin{array}{lllllllll}1000 & 920.5129 & 0.01448 & 0.076023 & 0.110567 & 0.070273 & 4.091825 & 3.791303 & 0.005693 \\ 1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.01231 & 0.057516\end{array}$ $\begin{array}{lllllllll}1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.912316 & 0.007516 \\ 1000 & 807.0471 & 0.006223 & 0.074684 & 0.046534 & 0.038346 & 3.623401 & 3.187006 & 0.004204\end{array}$ $\begin{array}{lllllllll}1000 & 786.2466 & 0.012113 & 0.075306 & 0.057192 & 0.0595963 & 3.457622 & 3.091417 & 0.0002475\end{array}$ $\begin{array}{llllllllll}1000 & 821.9089 & 0.009124 & 0.089605 & 0.072783 & 0.07465 & 3.35769 & 3.287442 & 0.005517\end{array}$ $\begin{array}{llllllllll}1000 & 894.1228 & 0.009497 & 0.069158 & 0.062235 & 0.06349 & 3.289014 & 3.156752 & 0.004948\end{array}$ $\begin{array}{lllllllll}1000 & 1255.886 & 0.004502 & 0.086547 & 0.049195 & 0.084082 & 4.200069 & 4.239499 & 0.007604\end{array}$ $\begin{array}{llllllllll}1000 & 979.8236 & 0.007467 & 0.074937 & 0.055611 & 0.062682 & 3.302284 & 3.395145 & 0.003378\end{array}$ $\begin{array}{llllllllll}1000 & 801.0604 & 0.006625 & 0.057144 & 0.060472 & 0.086758 & 3.259972 & 3.024607 & 0.004495\end{array}$ $\begin{array}{lllllllll}1000 & 1124.954 & 0.006173 & 0.09285 & 0.105135 & 0.059538 & 3.774991 & 3.56253 & 0.001245 \\ 1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183\end{array}$ $\begin{array}{lllllllll}1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183 \\ 1000 & 854.2436 & 0.009424 & 0.089798 & 0.089011 & 0.055893 & 2.709052 & 2.916583 & 0.003743\end{array}$ $\begin{array}{llllllllll}1000 & 989.3375 & 0.0037 & 0.103038 & 0.156974 & 0.088905 & 3.726456 & 3.665479 & 0.004032\end{array}$ $\begin{array}{llllllll}1000 & 821.8877 & 0.008867 & 0.061957 & 0.090673 & 0.0882364 & 3.141303 & 3.178633 \\ 10.004269\end{array}$ $\begin{array}{llllllll}1000 & 866.6323 & 0.006408 & 0.066915 & 0.06133 & 0.032564 & 2.802162 & 2.939539\end{array} 0.0004649$ $\begin{array}{llllllllll}1000 & 1055.696 & 0.005932 & 0.126907 & 0.117148 & 0.107324 & 3.778802 & 3.430813 & 0.007249\end{array}$ $\begin{array}{llllllllll}1000 & 969.0599 & 0.006237 & 0.155476 & 0.165314 & 0.170515 & 3.348268 & 3.577276 & 0.007243\end{array}$ $\begin{array}{lllllllll}1000 & 905.1569 & 0.004503 & 0.224265 & 0.174133 & 0.181586 & 3.8038818 & 3.540683 & 0.004902\end{array}$ | 1000 | 951.0365 | 0.004052 | 0.154738 | 0.121003 | 0.181383 | 3.551357 | 3.640752 | 0.004787 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1060767 |  |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1067.671 & 0.010989 & 0.207167 & 0.158832 & 0.146679 & 3.860261 & 3.480168 & 0.009125 \\ 1000 & 931.7469 & 0.010827 & 0.13804 & 0.138839 & 0.15096 & 3.981674 & 3.594659 & 0.004702\end{array}$ $\begin{array}{llllllllll}1000 & 1294.978 & 0.009199 & 0.172773 & 0.150369 & 0.144599 & 3.823617 & 3.834228 & 0.004968\end{array}$ $\begin{array}{llllllllll}1000 & 924.7106 & 0.010711 & 0.124015 & 0.086709 & 0.098492 & 4.29976 & 4.196463 & 0.005101\end{array}$ $\begin{array}{llllllllll}1000 & 897.9803 & 0.007428 & 0.136189 & 0.127603 & 0.115538 & 4.292719 & 4.271929 & 0.004848\end{array}$



$\begin{array}{llll}0.038442 & 0.25717 & 0.516831 & 0.406998 \\ 0.0527 & 0.257097 & 0.620386 & 0.34931\end{array}$ $\begin{array}{llll}0.02527 & 0.257097 & 0.620386 & 0.434931 \\ 0.061144 & 0.310332 & 0.730268 & 0.680519\end{array}$ $\begin{array}{llllll}0.071205 & 0.314298 & 0.583505 & 0.478512\end{array}$ $\begin{array}{llllll}0.052534 & 0.276871 & 0.445369 & 0.504774\end{array}$ $\begin{array}{lllll}0.015175 & 0.293396 & 0.585299 & 0.549769\end{array}$ $\begin{array}{llll}0.03165 & 0.22969 & 0.519583 & 0.518659\end{array}$ $\begin{array}{llll}0.045952 & 0.23459 & 0.563636 & 0.396522\end{array}$ $\begin{array}{llll}0.057147 & 0.18637 & 0.799558 & 0.473108 \\ 0.068757 & 0.267118 & 0.605823 & 0.467768\end{array}$ $\begin{array}{lllll}0.043187 & 0.244831 & 0.461797 & 0.587721\end{array}$ $\begin{array}{lllll}0.037772 & 0.310535 & 0.620091 & 0.551422\end{array}$ $\begin{array}{llllll}0.065119 & 0.355241 & 0.662569 & 0.473378\end{array}$ $\begin{array}{llllllll}0.059956 & 0.234089 & 0.626285 & 0.509287\end{array}$ $\begin{array}{llllll}0.033424 & 0.234696 & 0.637721 & 0.476822\end{array}$ $\begin{array}{lllll}0.040207 & 0.258841 & 0.429187 & 0.386615\end{array}$ $\begin{array}{llll}0.077969 & 0.23213 & 0.398758 & 0.363042\end{array}$ $\begin{array}{lllll}0.036864 & 0.268675 & 0.377199 & 0.481184\end{array}$ $\begin{array}{llllll}0.041442 & 0.189062 & 0.30631 & 0.449111\end{array}$ $\begin{array}{llllll}0.052248 & 0.287395 & 0.579813 & 0.526782\end{array}$ $\begin{array}{lllllllll}0.063923 & 0.239549 & 0.520816 & 0.483008\end{array}$ $\begin{array}{lllll}0.057084 & 0.280712 & 0.58164 & 0.48744\end{array}$ 0.0634230 .2595940 .4948980 .523258 $\begin{array}{llll}0.058473 & 0.235757 & 0.455991 & 0.501626\end{array}$ $\begin{array}{lllll}0.047727 & 0.191102 & 0.477394 & 0.41884\end{array}$ $0.046566 \quad 0.189850 .390194 \quad 0.518502$ $\begin{array}{llllll}0.048197 & 0.238425 & 0.315025 & 0.320648\end{array}$ $\begin{array}{lllll}0.028413 & 0.22096 & 0.406216 & 0.361386\end{array}$ $\begin{array}{lllllllll}0.047731 & 0.242989 & 0.325732 & 0.331523\end{array}$ $\begin{array}{llllll}0.043665 & 0.297089 & 0.395603 & 0.414018\end{array}$ $\begin{array}{llll}0.026401 & 0.223158 & 0.389837 & 0.288353 \\ 0.047581\end{array}$ $\begin{array}{llll}0.047581 & 0.260213 & 0.46345 & 0.453713 \\ 0.03868 & 0.27180 & 0.41396\end{array}$ $\begin{array}{lllll}0.033133 & 0.328421 & 0.478138 & 0.42187\end{array}$ $\begin{array}{lllll}0.029398 & 0.206787 & 0.313435 & 0.291317\end{array}$ $\begin{array}{lllll}0.036079 & 0.242836 & 0.500053 & 0.489265\end{array}$ $\begin{array}{lllll}0.042607 & 0.33338 & 0.528459 & 0.539427\end{array}$ $\begin{array}{llllllll}0.051765 & 0.206022 & 0.495715 & 0.468539\end{array}$ $\begin{array}{lllll}0.058844 & 0.29485 & 0.560731 & 0.49751\end{array}$ $\begin{array}{llll}0.0517 & 0.298168 & 0.512608 & 0.563671\end{array}$ $0.04832 \quad 0.257184 \quad 0.5396970 .531525$ $\begin{array}{llllll}0.048428 & 0.246065 & 0.475737 & 0.582102\end{array}$ $\begin{array}{lllll}0.064369 & 0.282002 & 0.798178 & 0.558916\end{array}$ $\begin{array}{lllll}0.0432 & 0.278067 & 0.712591 & 0.411828\end{array}$ $\begin{array}{lllll}0.03775 & 0.238837 & 0.5676 & 0.58576\end{array}$ $\begin{array}{llll}0.060746 & 0.364108 & 0.702367 & 0.656429\end{array}$ $\begin{array}{lllll}0.057087 & 0.284162 & 0.48523 & 0.5973\end{array}$ $\begin{array}{lllll}0.047673 & 0.253842 & 0.6202924 & 0.516247\end{array}$ $\begin{array}{lllll}0.045499 & 0.232241 & 0.672168 & 0.576548\end{array}$ $\begin{array}{llllll}0.045464 & 0.315771 & 0.722766 & 0.493657\end{array}$ 0.0575830 .2455960 .6069050 .714614 0.0612110 .2619110 .7010140 .566689 $\begin{array}{lllll}0.078006 & 0.28854 & 1.068701 & 0.803587\end{array}$ 0.0631130 .2561910 .711990 .558512 | 0.066681 | 0.243699 | 0.841431 | 0.630426 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088124 & 0.336349 & 0.711457 & 0.631812\end{array}$ $\begin{array}{lllllllllll}0.086743 & 0.288037 & 0.638205 & 0.677122\end{array}$ $\begin{array}{llllll}0.064036 & 0.264724 & 0.707442 & 0.5739\end{array}$ $0.0598670 .204498 \quad 0.8126870 .759961$


$\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509\end{array}$ $\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509 \\ 1000 & 762.0388 & 0.00795 & 0.128038 & 0.074348 & 0.079606 & 3.476258 & 3.034351 & 0.005465 \\ 100 & 1052.09 & 0.00533 & 0.09129 & 0.112255 & 0.08046 & 3.664733 & 354152 & 0.006605\end{array}$ $\begin{array}{lllllllll}1000 & 1052.099 & 0.00533 & 0.091295 & 0.112255 & 0.080486 & 3.664733 & 3.54152 & 0.006605 \\ 1000 & 1051.951 & 0.008579 & 0.165697 & 0.16662 & 0.118474 & 3.802618 & 4.566825 & 0.011598\end{array}$ | 1000 | 989.5235 | 0.008902 | 0.200976 | 0.145518 | 0.118474 | 3.802618 | 4.566825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 972.0827 & 0.004235 & 0.206003 & 0.250322 & 0.183376 & 3.723078 & 4.528188 & 0.013964 \\ 1000 & 8918153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 & 0.009422\end{array}$ $\begin{array}{llllllll}1000 & 981.8153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 \\ 1000 & 726.1338 & 0.0009422 \\ 1 & 0.003448 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826\end{array}$ $\begin{array}{lllllllll}1000 & 726.1338 & 0.009348 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826 \\ 1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1226.964 & 0.009147 & 0.177234 & 0.090228 & 0.118526 & 4.50919 & 4.470555 & 0.016023 \\ 1000 & 1085.245 & 0.010195 & 0.115909 & 0.098565 & 0.112037 & 4.157035 & 4.397444 & 0.010475\end{array}$ $\begin{array}{lllllllll}1000 & 939.0951 & 0.008627 & 0.088813 & 0.092862 & 0.062909 & 3.879353 & 4.08061 & 0.010917\end{array}$ $\begin{array}{llllllllll}1000 & 956.2717 & 0.014147 & 0.092143 & 0.103312 & 0.104097 & 4.150971 & 3.924027 & 0.01226\end{array}$ $\begin{array}{lllllllll}1000 & 1268.439 & 0.023652 & 0.093111 & 0.062893 & 0.086107 & 4.704849 & 3.951365 & 0.008615\end{array}$ $\begin{array}{llllllllll}1000 & 921.0053 & 0.020339 & 0.112914 & 0.098795 & 0.067773 & 3.749381 & 4.035968 & 0.01057\end{array}$ $\begin{array}{lllllllll}1000 & 939.862 & 0.015328 & 0.106537 & 0.094315 & 0.056636 & 4.096933 & 3.679957 & 0.007764 \\ 1000 & 969.6646 & 0.015642 & 0.094104 & 0.065526 & 0.102136 & 3.633843 & 3.429528 & 0.008389\end{array}$ $\begin{array}{lllllllll}1000 & 969.6646 & 0.015642 & 0.094104 & 0.066526 & 0.102136 & 3.633843 & 3.429528 & 0.008389 \\ 1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174\end{array}$ $\begin{array}{lllllllll}1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174 \\ 1000 & 1007.789 & 0.00971 & 0.081533 & 0.059426 & 0.085335 & 3.948402 & 3.629657 & 0.004987\end{array}$ $\begin{array}{lllllllll}1000 & 779.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565\end{array}$ $\begin{array}{lllllllll}1000 & 79.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565 \\ 1000 & 1066.358 & 0.00749 & 0.190354 & 0.189874 & 0.199806 & 3.625899 & 3.923751 & 0.002367\end{array}$ $\begin{array}{llllllll}1000 & 932.7008 & 0.008039 & 0.186358 & 0.22455 & 0.162356 & 3.84742 & 4.001767 \\ 10.0063837\end{array}$ $\begin{array}{lllllllll}1000 & 980.2405 & 0.011095 & 0.247101 & 0.14842 & 0.202215 & 3.554103 & 3.964025 & 0.005584\end{array}$ $\begin{array}{lllllllll}1000 & 1015.092 & 0.0059 & 0.19079 & 0.1428 & 0.200354 & 3.66321 & 3.684331 & 0.0054656 \\ 1000 & 1232576 & 0.00892 & 0.169017 & 0.122214 & 0.170122 & 377353 & 3.45667 & 0.007528\end{array}$ $\begin{array}{lllllllll}1000 & 1232.576 & 0.008992 & 0.169017 \\ 1000 & 937.2437 & 0.007459 & 0.117415 & 0.0921056 & 0.170122 & 3.773353 & 3.845667 & 0.007528 \\ 1 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 937.2437 & 0.007459 & 0.117415 & 0.091056 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 1022.361 & 0.011118 & 0.142214 & 0.072042 & 0.092509 & 3.62891 & 3.852747 & 0.005411 \\ 1000 & 899.6914 & 0.009343 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 & 0.007031\end{array}$ $\begin{array}{llllllll}1000 & 899.6914 & 0.009383 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 \\ 1000 & 842.7406 & 0.008896 & 0.088817 & 0.059609 & 0.104841 & 2.940103 & 3.123158 \\ 0.003311\end{array}$ $\begin{array}{lllllllll}1000 & 1104.459 & 0.014924 & 0.090176 & 0.042275 & 0.070423 & 4.073826 & 3.79903 & 0.003844\end{array}$ $\begin{array}{lllllllll}1000 & 978.4407 & 0.00805 & 0.082218 & 0.0070286 & 0.065493 & 3.223089 & 3.60059 & 0.0033515\end{array}$ $\begin{array}{lllllllll}1000 & 1162.722 & 0.009449 & 0.099094 & 0.085935 & 0.102102 & 4.027651 & 4.378036 & 0.003163\end{array}$ $\begin{array}{lllllllll}1000 & 756.8576 & 0.0078821 & 0.05696 & 0.0688695 & 0.068883 & 3.040587 & 2.94512 & 0.002299\end{array}$ $\begin{array}{lllllllll}1000 & 971.519 & 0.007318 & 0.069 & 0.094197 & 0.043817 & 3.513508 & 4.053341 & 0.003582\end{array}$ $\begin{array}{lllllllll}1000 & 959.3546 & 0.009271 & 0.087096 & 0.102484 & 0.07995 & 3.634127 & 3.926655 & 0.003381 \\ 1000 & 1019.094 & 0.006991 & 0.084875 & 0.095649 & 0.069527 & 4.09079 & 4.045614 & 0.004528\end{array}$ $\begin{array}{lllllllll}1000 & 763.6563 & 0.0005523 & 0.060883 & 0.0377828 & 0.0677001 & 2.750182 & 2.646371 & 0.001986\end{array}$ $\begin{array}{lllllllll}1000 & 892.8149 & 0.003764 & 0.08229 & 0.074591 & 0.075081 & 3.599805 & 4.337732 & 0.002417\end{array}$ $\begin{array}{llllllllll}1000 & 1077.353 & 0.006662 & 0.123206 & 0.075494 & 0.078135 & 4.048893 & 4.267745 & 0.004194\end{array}$ $\begin{array}{lllllllll}1000 & 1125.596 & 0.003603 & 0.094028 & 0.108934 & 0.092433 & 5.967074 & 4.696057 & 0.006665\end{array}$ $\begin{array}{lllllllll}1000 & 939.0287 & 0.004171 & 0.073003 & 0.041026 & 0.044625 & 3.420683 & 3.260777 & 0.0004614\end{array}$ $\begin{array}{lllllllll}1000 & 1139.014 & 0.001388 & 0.106343 & 0.102611 & 0.09935 & 4.500358 & 4.412559 & 0.010617 \\ 1000 & 1417.454 & 0.006477 & 0.113838 & 0.124553 & 0.094324 & 4.017941 & 4.145774 & 0.007085\end{array}$ $\begin{array}{llllllllll}1000 & 1417.454 .807 & 0.002359 & 0.085815 & 0.067423 & 0.076991 & 3.222431 & 3.381846 & 0.008018\end{array}$ $\begin{array}{llllllllll}1000 & 751.5371 & 0.005428 & 0.081747 & 0.080985 & 0.074071 & 2.786299 & 3.351637 & 0.011626\end{array}$ $\begin{array}{lllllllll}1000 & 975.036 & 0.010226 & 0.111202 & 0.165294 & 0.082725 & 4.409912 & 4.142978 & 0.009188\end{array}$ $\begin{array}{llllllllll}1000 & 786.2157 & 0.00564 & 0.102191 & 0.161635 & 0.092193 & 3.372319 & 3.721701 & 0.007232\end{array}$ $\begin{array}{llllllllll}1000 & 861.0951 & 0.005876 & 0.107937 & 0.105989 & 0.079509 & 3.549053 & 3.95556 & 0.007697\end{array}$ $\begin{array}{rrrrrrrr}1000 & 954.2135 & 0.009775 & 0.12469 & 0.106612 & 0.10979 & 4.590091 & 4.425664\end{array} 0.0011692$ $\begin{array}{lllllllll}1000 & 1041.884 & 0.008112 & 0.132957 & 0.109909 & 0.074753 & 4.222446 & 5.159665 & 0.009473 \\ 1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758\end{array}$ $\begin{array}{lllllllll}1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758 \\ 1000 & 904.946 & 0.010895 & 0.073672 & 0.119999 & 0.079519 & 4.270964 & 4.144797 & 0.010374\end{array}$ $\begin{array}{llllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.010464\end{array}$ $\begin{array}{lllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.01046 \\ 1000 & 911.0554 & 0.01067 & 0.088499 & 0.09556 & 0.096052 & 4.670143 & 4.43382 & 0.009184\end{array}$ $\begin{array}{lllllllll}1000 & 889.0681 & 0.011204 & 0.102134 & 0.107378 & 0.11104 & 3.894069 & 5.12506 & 0.012518\end{array}$

 | 1000 | 1211.922 | 0.011633 | 0.193457 | 0.14533 | 0.188593 | 5.694847 | 5.9206474 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.015963 $\begin{array}{lllllllll}1000 & 981.8394 & 0.014366 & 0.144531 & 0.103728 & 0.130518 & 4.183408 & 4.338904 & 0.010961 \\ 1000 & 845.2668 & 0.011602 & 0.139455 & 0.18139 & 0.148425 & 5.08163 & 4.01214 & 0.016106\end{array}$ $\begin{array}{lllllllll}1000 & 845.2668 & 0.011602 & 0.139455 & 0.181369 & 0.148425 & 5.08163 & 4.01214 & 0.016106 \\ 1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.512167 & 0.01294\end{array}$ $\begin{array}{lllllllll}1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.510167 & 0.011294 \\ 1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534\end{array}$ $\begin{array}{lllllllll}1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534 \\ 1000 & 1130.177 & 0.011671 & 0.137384 & 0.143126 & 0.104623 & 4.115838 & 4.484978 & 0.017592\end{array}$ $\begin{array}{llllllllll}1000 & 1100.734 & 0.008856 & 0.126336 & 0.105349 & 0.148234 & 4.620265 & 4.866172 & 0.01935\end{array}$ $\begin{array}{lllllllll}1000 & 988.9117 & 0.011863 & 0.12533 & 0.119406 & 0.113521 & 4.459507 & 4.108756 & 0.012289\end{array}$



$\begin{array}{llll}0.088276 & 0.301746 & 0.684175 & 0.726887\end{array}$ $\begin{array}{llll}0.061252 & 0.2266 & 0.613263 & 0.527212 \\ 0.082422 & 0.252141 & 0.638955 & 0.65554\end{array}$ $\begin{array}{llllll}0.066214 & 0.188481 & 0.407644 & 0.532784\end{array}$ $\begin{array}{llllll}0.062069 & 0.271612 & 0.642627 & 0.690178\end{array}$ $\begin{array}{llllll}0.060618 & 0.23348 & 0.643379 & 0.482898\end{array}$ $\begin{array}{llllll}0.074204 & 0.316499 & 0.805413 & 0.761162\end{array}$ $\begin{array}{llllll}0.061303 & 0.241004 & 0.728796 & 0.659874\end{array}$ | 0.062817 | 0.262773 | 0.607984 | 0.54725 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.074315 & 0.229177 & 0.532464 & 0.589107\end{array}$ $\begin{array}{lllll}0.090322 & 0.269939 & 0.928538 & 0.579235\end{array}$ $\begin{array}{lllll}0.045584 & 0.396844 & 0.630934 & 0.45254\end{array}$ $\begin{array}{lllllll}0.066522 & 0.361326 & 0.576329 & 0.414493\end{array}$ $\begin{array}{llllll}0.061807 & 0.250508 & 0.605018 & 0.444609\end{array}$ $\begin{array}{lllll}0.019469 & 0.188175 & 0.364697 & 0.439939\end{array}$ $\begin{array}{llll}0.056201 & 0.341304 & 0.519805 & 0.539248\end{array}$ 083953 0.0636730 .2833760 .6229480 .442476 $\begin{array}{llllllll}0.085354 & 0.330917 & 0.561869 & 0.426571\end{array}$ 0.0633350 .3124160 .6146060 .645965 $0.056895 \quad 0.218410 .7316680 .544225$ $\begin{array}{lllll}0.057601 & 0.251343 & 0.773882 & 0.760661\end{array}$ $\begin{array}{lllll}0.072158 & 0.200817 & 0.72924 & 0.586831\end{array}$ | 0.0258304 | 0.29844 | 0.711803 | 0.551968 |
| :--- | :--- | :--- | :--- | :--- |
| 042546 | 0.350998 | 0.680474 | 0.677959 | 0.0513050 .3386450 .6995920 .623646 $\begin{array}{lllll}0.050569 & 0.263866 & 0.789198 & 0.578686\end{array}$ $\begin{array}{lllllll}0.052159 & 0.292072 & 0.863879 & 0.544516\end{array}$ $\begin{array}{llllll}0.052515 & 0.271795 & 0.563818 & 0.585331\end{array}$ $\begin{array}{lllll}0.065539 & 0.242077 & 0.592998 & 0.538706\end{array}$ $\begin{array}{llllll}0.093555 & 0.342871 & 0.752932 & 0.633264\end{array}$ $\begin{array}{lllll}0.045633 & 0.181018 & 0.497428 & 0.29859 \\ 0.060617 & 0.226135 & 0.711152 & 0.500131\end{array}$ $0.0819380 .294266 \quad 0.606523 \quad 0.531855$ $\begin{array}{llll}0.066549 & 0.214035 & 0.67254 & 0.37811\end{array}$ $\begin{array}{llllll}0.087322 & 0.262825 & 0.496692 & 0.575454\end{array}$ $\begin{array}{llllll}0.094805 & 0.2694 & 0.572967 & 0.625262\end{array}$ $\begin{array}{lllll}0.077395 & 0.24767 & 0.520745 & 0.555115\end{array}$ $\begin{array}{lllll}0.104466 & 0.192254 & 0.668985 & 0.561807\end{array}$ $\begin{array}{llll}0.104908 & 0.276741 & 0.781278 & 0.658763\end{array}$ $\begin{array}{lllll}0.062864 & 0.228395 & 0.612342 & 0.518708\end{array}$ 01126350.2874230 .7258550 .783772 0.0892710 .2112760 .591070 .693697 0.0597660 .2260260 .9191020 .502028 $\begin{array}{llllllll}0.094103 & 0.292796 & 0.794171 & 0.631834\end{array}$ $\begin{array}{llll}0.047497 & 0.246617 & 0.477928 & 0.589447\end{array}$ $\begin{array}{llll}0.084941 & 0.226485 & 0.575785 & 0.596837 \\ 0.067965 & 0.22133 & 0.546085 & 0.547582\end{array}$ $\begin{array}{lllll}0.1007 & 0.246375 & 0.645385 & 0.7444845\end{array}$ $0.06558 \quad 0.180890 .5108620 .403974$ $\begin{array}{lllll}0.110081 & 0.245778 & 0.82607 & 0.697008\end{array}$ $\begin{array}{lllll}0.064119 & 0.216909 & 0.65652 & 0.48817\end{array}$ $\begin{array}{llllllll}0.050474 & 0.225042 & 0.558581 & 0.791978\end{array}$ $\begin{array}{llll}0.104281 & 0.391839 & 0.75692 & 0.508091\end{array}$ $\begin{array}{llll}0.090344 & 0.197166 & 0.607726 & 0.513741\end{array}$ $\begin{array}{llll}100516 & 0.242699 & 0.484892 & 0.430921\end{array}$ $\begin{array}{lllll}0.06642 & 0.264238 & 0.666401 & 0.504242\end{array}$ $\begin{array}{llllll}0.080936 & 0.270039 & 0.760565 & 0.639192\end{array}$ $\begin{array}{lllll}0.127452 & 0.256219 & 1.224445 & 0.748797\end{array}$ $\begin{array}{lllllll}0.092625 & 0.251734 & 0.722863 & 0.877018\end{array}$


$\begin{array}{lllllllll}1000 & 1028.654 & 0.01416 & 0.146036 & 0.127012 & 0.12246 & 4.537907 & 4.526973 & 0.013951\end{array}$ | 1000 | 1028.654 | 0.01416 | 0.146036 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 741.1929 | 0.010975 | 0.105124 | 0.09514 | 0.107808 | 4.4249924 | 4.0712412 |
| 1000 | 952.0595 | 0.0143951 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 952.0595 & 0.014329 & 0.12192 & 0.137419 & 0.108744 & 4.581381 & 4.244194 & 0.012851 \\ 1000 & 729.668 & 0.012671 & 0.111895 & 0.071418 & 0.088819 & 3.029747 & 3.228529 & 0.007106\end{array}$ $\begin{array}{llllllllll}1000 & 854.5858 & 0.016368 & 0.139891 & 0.129363 & 0.115504 & 4.236453 & 4.770272 & 0.018807\end{array}$ $\begin{array}{llllllllll}1000 & 842.921 & 0.010945 & 0.129997 & 0.102735 & 0.109373 & 3.79367 & 3.548281 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 794.2845 & 0.016659 & 0.141958 & 0.104014 & 0.113704 & 4.640105 & 3.849413 & 0.0137706\end{array}$ $\begin{array}{lllllllll}1000 & 1167.565 & 0.017254 & 0.160906 & 0.105409 & 0.114498 & 4.568694 & 3.776259 & 0.018366 \\ 1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 389191 & 0.016555\end{array}$ $\begin{array}{lllllllll}1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 3.89191 & 0.016555 \\ 1000 & 965.6001 & 0.015165 & 0.136527 & 0.116746 & 0.143778 & 4.170457 & 3.644165 & 0.012015\end{array}$ $\begin{array}{llllllllll} \\ 1000 & 1083.225 & 0.011244 & 0.206303 & 0.183779 & 0.14417 & 3.601772 & 3.602176 & 0.014059\end{array}$ $\begin{array}{lllllllllll}1000 & 1064.777 & 0.013144 & 0.163366 & 0.147514 & 0.157111 & 4.303764 & 4.500307 & 0.011653\end{array}$ $\begin{array}{lllllllllllll}1000 & 1062.437 & 0.019864 & 0.129004 & 0.120001 & 0.188427 & 4.549566 & 4.011885 & 0.017755\end{array}$ $\begin{array}{lllllllll}1000 & 923.2339 & 0.011635 & 0.143064 & 0.126858 & 0.139267 & 3.941547 & 4.85899 & 0.008863\end{array}$ $\begin{array}{lllllllll}1000 & 1213.813 & 0.010406 & 0.169858 & 0.152512 & 0.119851 & 3.806865 & 4.150082 & 0.02047\end{array}$ $\begin{array}{lllllllll}1000 & 923.6479 & 0.012256 & 0.095026 & 0.116664 & 0.093599 & 2.715465 & 2.984093 & 0.007217\end{array}$ $\begin{array}{llllllll}1000 & 1085.34 & 0.012975 & 0.136139 & 0.077288 & 0.132261 & 4.865842 & 4.405829 \\ 1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 \\ 0.007217\end{array}$ $\begin{array}{lllllllll}1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 & 0.007217 \\ 1000 & 862.2706 & 0.007757 & 0.111988 & 0.205936 & 0.103626 & 4.083303 & 3.97382 & 0.007812\end{array}$ $\begin{array}{llllllllll}1000 & 1166.525 & 0.012139 & 0.129308 & 0.139162 & 0.140302 & 4.250565 & 4.191167 & 0.009151\end{array}$ $\begin{array}{lllllllll}1000 & 952.1571 & 0.011935 & 0.133134 & 0.083742 & 0.122043 & 4.088579 & 4.19907 & 0.009608\end{array}$ $\begin{array}{lllllllll}1000 & 941.5586 & 0.009338 & 0.143548 & 0.15874 & 0.170051 & 4.659294 & 4.373576 & 0.008744\end{array}$ $\begin{array}{llllllll}1000 & 923.5269 & 0.012528 & 0.162324 & 0.18333 & 0.170523 & 4.541743 & 4.142688 \\ 0.011822\end{array}$ $\begin{array}{lllllllll}1000 & 1026.94 & 0.012264 & 0.180105 & 0.172468 & 0.144151 & 4.342586 & 4.366974 & 0.009263\end{array}$ $\begin{array}{lllllllll}1000 & 898.3809 & 0.008114 & 0.130117 & 0.099964 & 0.126973 & 3.777385 & 3.928593 & 0.008312 \\ 1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712\end{array}$ $\begin{array}{lllllllll}1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712 \\ 1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158 \\ 1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313 \\ 1000 & 1109.7 & 0.009778 & 0.157751 & 0.141267 & 0.137804 & 4.241498 & 4.38585 & 0.01028\end{array}$ $\begin{array}{llllllll}1000 & 1339.654 & 0.011492 & 0.14929 & 0.199302 & 0.149522 & 4.421682 & 4.237524 \\ 0 & 0.010604\end{array}$ $\begin{array}{llllllll}1000 & 997.6421 & 0.010745 & 0.153524 & 0.100455 & 0.155497 & 4.359638 & 4.041261\end{array} 0.013399$ $\begin{array}{lllllllll}1000 & 11177.886 & 0.017531 & 0.128017 & 0.111663 & 0.104768 & 4.660146 & 4.858161 & 0.006231\end{array}$ $\begin{array}{lllllllll}1000 & 1210.461 & 0.015324 & 0.132435 & 0.145524 & 0.136851 & 4.77324 & 4.363775 & 0.014741 \\ 1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016\end{array}$ $\begin{array}{lllllllll}1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016 \\ 1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.101064 & 4.203854 & 3.677148 & 0.008598\end{array}$ $\begin{array}{lllllllll}1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.121064 & 4.203854 & 3.677148 & 0.008598 \\ & 10.01391 & 0.123925 & 0.079661 & 0.125541 & 4.107858 & 3.94834 & 0.013828\end{array}$ $\begin{array}{lllllllll}1000 & 1037.696 & 0.012634 & 0.1386 & 0.107391 & 0.105282 & 3.854211 & 3.969999 & 0.005841\end{array}$ $\begin{array}{llllllllll}1000 & 1129.114 & 0.015067 & 0.152818 & 0.112047 & 0.137587 & 4.371954 & 3.912304 & 0.015591\end{array}$ $\begin{array}{lllllllll}1000 & 1117.029 & 0.012253 & 0.148224 & 0.128415 & 0.137544 & 5.162413 & 4.703488 & 0.015218\end{array}$ $\begin{array}{lllllllll}1000 & 979.7382 & 0.01333 & 0.154674 & 0.111552 & 0.129612 & 3.934826 & 4.590088 & 0.014709\end{array}$ $\begin{array}{lllllllll}1000 & 843.3477 & 0.014759 & 0.139713 & 0.190255 & 0.16747 & 3.8035111 & 4.431059 & 0.015695 \\ 1000 & 1085.636 & 0.019048 & 0.197431 & 0.21304 & 0.169659 & 5.12123 & 5.455344 & 0.020732\end{array}$ $\begin{array}{lllllllll}1000 & 1085.636 & 0.019048 & 0.194431 & 0.21304 & 0.189659 & 5.121123 & 5.458534 & 0.020732 \\ 1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605\end{array}$ $\begin{array}{lllllllll}1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605 \\ 1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519\end{array}$ $\begin{array}{lllllllll}1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519 \\ 1000 & 1190.229 & 0.013511 & 0.21934 & 0.168678 & 0.194457 & 5.622224 & 5.323735 & 0.020317\end{array}$ $\begin{array}{lllllllll}1000 & 834.8856 & 0.01246 & 0.1542 & 0.127333 & 0.11528 & 4.061896 & 4.29263 & 0.010769\end{array}$ $\begin{array}{lllllllll}1000 & 804.4719 & 0.022858 & 0.173054 & 0.099757 & 0.141127 & 4.473441 & 4.824668 & 0.013614\end{array}$ $\begin{array}{lllllllll}1000 & 1024.253 & 0.012255 & 0.137631 & 0.147053 & 0.132348 & 4.726544 & 4.72257 & 0.01114\end{array}$ $\begin{array}{lllllllll}1000 & 772.5668 & 0.013253 & 0.113755 & 0.125139 & 0.111188 & 3.578967 & 3.349036 & 0.010864\end{array}$ $\begin{array}{lllllllll}1000 & 797.7377 & 0.01562 & 0.119882 & 0.088036 & 0.091384 & 3.778864 & 4.390999 & 0.013533 \\ 1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595\end{array}$ $\begin{array}{lllllllll}1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595 \\ 1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392\end{array}$ $\begin{array}{lllllllll}1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392 \\ 1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.016209\end{array}$ $\begin{array}{lllllllll}1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.013209 \\ 1000 & 793.5016 & 0.016685 & 0.103893 & 0.07264 & 0.094659 & 5.38651 & 4.247234 & 0.016791\end{array}$ $\begin{array}{llllllll}1000 & 1185.312 & 0.016539 & 0.132666 & 0.094909 & 0.094659 & 5.38651 & 4.247234\end{array} 0.01677911$ $\begin{array}{llllllllll}1000 & 697.6078 & 0.01846 & 0.094662 & 0.091253 & 0.084946 & 4.182955 & 5.041107 & 0.02312\end{array}$ $\begin{array}{lllllllll}1000 & 11335.368 & 0.017434 & 0.148563 & 0.105108 & 0.123007 & 5.409202 & 6.143914 & 0.0186445\end{array}$ $\begin{array}{lllllllll}1000 & 787.6569 & 0.015712 & 0.104125 & 0.106238 & 0.086148 & 3.792894 & 3.997855 & 0.020601\end{array}$ $\begin{array}{lllllllll}1000 & 855.5005 & 0.015852 & 0.089105 & 0.089334 & 0.112328 & 4.459324 & 4.034535 & 0.016094 \\ 1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383\end{array}$ $\begin{array}{lllllllll}1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383 \\ 1000 & 798.7366 & 0.011834 & 0.106116 & 0.073641 & 0.077116 & 3.848758 & 3.920447 & 0.015228\end{array}$ $\begin{array}{lllllllll}1000 & 1131.456 & 0.020422 & 0.141462 & 0.150011 & 0.146175 & 5.627302 & 4.606008 & 0.0344136\end{array}$ $\begin{array}{lllllllllll}1000 & 1279.131 & 0.028515 & 0.143399 & 0.126882 & 0.153472 & 5.532589 & 6.666819 & 0.025455\end{array}$ $\begin{array}{lllllllll}1000 & 911.3863 & 0.02108 & 0.162773 & 0.112613 & 0.134924 & 4.442642 & 5.100058 & 0.030516\end{array}$



$\begin{array}{lllll}0.090057 & 0.180101 & 0.830395 & 0.754403\end{array}$ $\begin{array}{llrr}0.083849 & 0.278798 & 0.62593 & 0.548057 \\ 0.075134 & 0.286475 & 0.7264 & 0.693681\end{array}$ $\begin{array}{llllll}0.070151 & 0.271443 & 0.592123 & 0.583905\end{array}$ $\begin{array}{llllll}0.061049 & 0.242137 & 0.611778 & 0.468276\end{array}$ $\begin{array}{lllllll}0.093781 & 0.283921 & 0.800553 & 0.890701\end{array}$ $\begin{array}{llllll}0.128203 & 0.262215 & 0.564806 & 0.565075\end{array}$ $\begin{array}{llll}0.077443 & 0.301605 & 0.653682 & 0.788995\end{array}$ $\begin{array}{llll}0.067364 & 0.279434 & 0.764247 & 0.674885 \\ 0.068625 & 0.182857 & 0.49929 & 0.456977\end{array}$ $\begin{array}{lllll}0.063606 & 0.243555 & 0.520023 & 0.647503\end{array}$ $\begin{array}{lllll}0.092354 & 0.305761 & 0.698869 & 0.615705\end{array}$ $\begin{array}{lllll}0.075596 & 0.267653 & 0.686297 & 0.632793\end{array}$ 0.1064810 .2906210 .8572110 .787656 $\begin{array}{llll}0.082494 & 0.291002 & 0.96837 & 0.809503\end{array}$ $\begin{array}{llll}0.074321 & 0.210896 & 0.686823 & 0.69662\end{array}$ $\begin{array}{llll}0.091215 & 0.33628 & 0.730852 & 0.671029\end{array}$ $\begin{array}{lllll}0.066948 & 0.28887 & 0.68104 & 0.60688 \\ 0.081486 & 0.306322 & 0.711047 & 1.079506\end{array}$ $\begin{array}{llllll}0.065462 & 0.248445 & 0.689863 & 0.611956\end{array}$ $\begin{array}{lllllll}0.089089 & 0.268386 & 0.733076 & 0.703218\end{array}$ $\begin{array}{llllll}0.06911 & 0.228116 & 0.698244 & 0.643961\end{array}$ $\begin{array}{llllllll}0.029895 & 0.296329 & 0.837482 & 0.740833\end{array}$ $\begin{array}{lllllll}0.072636 & 0.276498 & 0.763179 & 0.747061\end{array}$ 0.0368090 .2551370 .7331030 .647129 $\begin{array}{llll}0.03837 & 0.21482 & 0.68111 & 0.843815\end{array}$ 0.0342480 .2465050 .6324640 .646172 $\begin{array}{llllll}0.074181 & 0.262642 & 0.892867 & 0.816515\end{array}$ $\begin{array}{llllllll}0.052496 & 0.238135 & 0.795326 & 0.691265\end{array}$ $\begin{array}{llllll}0.077356 & 0.288994 & 0.808497 & 0.81003\end{array}$ $\begin{array}{llllll}0.057233 & 0.232916 & 0.626737 & 0.757556\end{array}$ $\begin{array}{llll}0.079342 & 0.181322 & 0.847465 & 0.699947\end{array}$ $\begin{array}{llll}0.056261 & 0.22874 & 0.714012 & 0.428302 \\ 0.052135 & 0.278671 & 0.633279 & 0.57916\end{array}$ $\begin{array}{lllllll}0.07018 & 0.295099 & 0.575787 & 0.596536\end{array}$ $\begin{array}{lllll}0.029332 & 0.244052 & 0.523411 & 0.563131\end{array}$ 0.0540190 .2818710 .6094650 .551886 $\begin{array}{llllll}0.034087 & 0.19179 & 0.591307 & 0.469939\end{array}$ $\begin{array}{lllll}0.074669 & 0.31026 & 0.562337 & 0.48022\end{array}$ $\begin{array}{llll}0.047757 & 0.372461 & 0.703879 & 0.55887\end{array}$ | 0.055755 | 0.258088 | 0.613692 | 0.557978 |
| :--- | :--- | :--- | :--- | 04577202615320.5766330 .0 .50423 $\begin{array}{llllll}0.048644 & 0.281172 & 0.836609 & 0.58781\end{array}$ 0.0869740 .3269550 .5643510 .558935 $\begin{array}{llllllll}0.041806 & 0.289478 & 0.793145 & 0.633843\end{array}$ $\begin{array}{llllll}0.066083 & 0.239037 & 0.806439 & 0.649824\end{array}$ $\begin{array}{lllll}0.048886 & 0.253014 & 0.638303 & 0.568521\end{array}$ $\begin{array}{lllll}0.048273 & 0.210509 & 0.731103 & 0.880153\end{array}$ $\begin{array}{llll}0.052744 & 0.289267 & 1.018621 & 0.690509 \\ 0.038332 & 0.220743 & 0.794439 & 1.071487\end{array}$ $\begin{array}{llllll}0.045271 & 0.269298 & 0.607697 & 0.63781\end{array}$ $\begin{array}{lllll}0.051492 & 0.244513 & 0.713634 & 0.656599\end{array}$ $\begin{array}{lllll}0.055043 & 0.29409 & 0.548967 & 0.709825\end{array}$ $\begin{array}{llllllll}0.043631 & 0.225766 & 0.553996 & 0.627067\end{array}$ $\begin{array}{lllll}0.054931 & 0.364089 & 1.179798 & 0.899678\end{array}$ $\begin{array}{llll}0.060538 & 0.273018 & 0.89157 & 0.751192\end{array}$ | 0.080024 | 0.305151 | 1.064447 | 0.637774 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.067099 & 0.320474 & 0.730043 & 0.904355\end{array}$ $\begin{array}{lllll}0.077519 & 0.301803 & 0.77401 & 0.785512\end{array}$ $\begin{array}{llllllll}0.047662 & 0.325748 & 1.001534 & 0.732589\end{array}$ $\begin{array}{llllll}0.081793 & 0.344131 & 0.883718 & 1.123488\end{array}$


$\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952\end{array}$ $\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952 \\ 1000 & 852.7033 & 0.022526 & 0.12547 & 0.100848 & 0.163057 & 4.580898 & 5.659965 & 0.020954\end{array}$ $\begin{array}{lllllllll}1000 & 874.9718 & 0.018863 & 0.151649 & 0.134745 & 0.146621 & 4.861314 & 5.084336 & 0.027006 \\ 1000 & 929.3493 & 0.013599 & 0.130454 & 0.118402 & 0.130938 & 4.799933 & 5.642004 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 806.2195 & 0.021178 & 0.118562 & 0.084522 & 0.117048 & 4.325884 & 4.025501 & 0.016481\end{array}$ $\begin{array}{llllllllll}1000 & 1264.182 & 0.01856 & 0.144559 & 0.146817 & 0.154722 & 4.590265 & 5.581338 & 0.020769\end{array}$ $\begin{array}{lllllllll}1000 & 1141.243 & 0.020414 & 0.162398 & 0.10281 & 0.156608 & 5.356503 & 5.208311 & 0.021378 \\ 1000 & 897.9089 & 0.01598 & 0.117317 & 0.18531 & 0.11238 & 4.59936 & 4.88282 & 0.016553\end{array}$ $\begin{array}{lllllllll}1000 & 897.9089 & 0.01598 & 0.117317 & 0.186319 & 0.111228 & 4.599356 & 4.88182 & 0.016553 \\ 1000 & 789.5533 & 0.13431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664\end{array}$ $\begin{array}{lllllllll}1000 & 789.5533 & 0.013431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664 \\ 1000 & 830.4513 & 0.011214 & 0.117648 & 0.1027 & 0.072961 & 3.466176 & 3.860394 & 0.011476\end{array}$ | 1000 | 830.4513 | 0.011214 | 0.117648 | 0.1027 | 0.072961 | 3.466176 | 3.860394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1026.596 | 0.010509 | 0.132961 | 0.138198 | 0.129651 | 4.88703 | 4.694534 | $\begin{array}{lllllllllllllllllll}1000 & 906.5125 & 0.012535 & 0.125429 & 0.119937 & 0.143361 & 4.849786 & 4.842747 & 0.017174\end{array}$ $\begin{array}{lllllllll}1000 & 066.51125 & 0.012535 & 0.125429 & 0.119937 & 0.143341 & 4.849876 & 4.842747 & 0.017174 \\ 1000 & 874.1378 & 0.014713 & 0.166582 & 0.132514 & 0.149416 & 4.44108 & 4.252585 & 0.015486\end{array}$ $\begin{array}{lllllllll}1000 & 918.9848 & 0.01071 & 0.19845 & 0.204507 & 0.171952 & 4.358566 & 4.711296 & 0.018166\end{array}$ $\begin{array}{lllllllll}1000 & 932.5596 & 0.013281 & 0.141466 & 0.183964 & 0.152985 & 4.393513 & 4.527203 & 0.0127775 \\ 1000 & 9055958\end{array}$ $\begin{array}{lllllllllll}1000 & 905.9589 & 0.010355 & 0.164632 & 0.117362 & 0.132887 & 3.831499 & 3.867516 & 0.012228\end{array}$ $\begin{array}{llllllll}1000 & 1003.854 & 0.010741 & 0.15347 & 0.081156 & 0.124061 & 4.390127 & 4.404645\end{array} 0.018499$ $\begin{array}{lllllllll}1000 & 1087.447 & 0.009096 & 0.111276 & 0.070753 & 0.115521 & 3.819932 & 4.125442 & 0.016509 \\ 1000 & 1165.679 & 0.011897 & 0.085796 & 0.054679 & 0.060075 & 3.898947 & 3.799543 & 0.009413\end{array}$ $\begin{array}{llllllllll}1000 & 1234.877 & 0.00553 & 0.107366 & 0.057808 & 0.087369 & 4.042756 & 4.246076 & 0.01063\end{array}$ $\begin{array}{lllllllll}1000 & 1099.013 & 0.012884 & 0.109704 & 0.087559 & 0.098853 & 4.593207 & 4.198 & 0.00959\end{array}$ $\begin{array}{lllllllll}1000 & 986.3523 & 0.003527 & 0.095674 & 0.073038 & 0.096257 & 4.056269 & 4.001018 & 0.012981\end{array}$ $\begin{array}{lllllllll}1000 & 1121.947 & 0.009057 & 0.119062 & 0.071335 & 0.09803 & 4.149483 & 4.217536 & 0.015653\end{array}$ $\begin{array}{lllllllll}1000 & 989.7175 & 0.006253 & 0.084097 & 0.09053 & 0.069706 & 4.326785 & 3.617283 & 0.012811\end{array}$ $\begin{array}{llllllll}1000 & 920.3768 & 0.009283 & 0.111957 & 0.089144 & 0.108179 & 4.038343 & 3.730325\end{array} 0.010578$ $\begin{array}{lllllllll}1000 & 996.9348 & 0.013789 & 0.133275 & 0.154769 & 0.114669 & 3.908295 & 3.608121 & 0.010197 \\ 1000 & 922.5062 & 0.012161 & 0.107979 & 0.064695 & 0.11 & 3.663677 & 4.123842 & 0.0091\end{array}$ $\begin{array}{llllllllll}1000 & 967.3259 & 0.009346 & 0.133964 & 0.088783 & 0.151347 & 3.340391 & 3.67791 & 0.008218\end{array}$ $\begin{array}{lllllllll}1000 & 821.8274 & 0.01201 & 0.112924 & 0.161463 & 0.117992 & 4.418531 & 4.126708 & 0.014034\end{array}$ $\begin{array}{llllllllll}1000 & 938.0528 & 0.012979 & 0.143831 & 0.090488 & 0.101102 & 4.093314 & 4.04827 & 0.008095\end{array}$ $\begin{array}{llllllllll}1000 & 963.8098 & 0.010389 & 0.141231 & 0.135047 & 0.112962 & 4.806208 & 4.55614 & 0.010506\end{array}$ $\begin{array}{lllllllll}1000 & 1010.771 & 0.009601 & 0.113105 & 0.093508 & 0.115327 & 3.634634 & 4.224371 & 0.00671 \\ 1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.788621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.678621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 945.002 & 0.008883 & 0.128579 & 0.062934 & 0.105994 & 4.119318 & 3.811908 & 0.008776 \\ 1000 & 1000.38 & 0.01160 & 0.103859 & 0.092075 & 0.082194 & 4.527413 & 3.886186 & 0.012626\end{array}$ $\begin{array}{lllllllllll}1000 & 941.513 & 0.011288 & 0.091369 & 0.073175 & 0.091502 & 4.268201 & 3.966664 & 0.006225\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 832.7509 & 0.011358 & 0.123557 & 0.117717 & 0.08752 & 3.926826 & 3.870103 & 0.005305\end{array}$ $\begin{array}{llllllllll}000 & 1091.785 & 0.009596 & 0.112907 & 0.131083 & 0.089413 & 3.980519 & 4.504179 & 0.008531\end{array}$ $\begin{array}{lllllllll}1000 & 798.7042 & 0.006648 & 0.072744 & 0.067197 & 0.069213 & 3.572284 & 3.213242 & 0.006301\end{array}$ $\begin{array}{lllllllll}1000 & 856.797 & 0.012389 & 0.073575 & 0.060721 & 0.080388 & 3.55837 & 4.237214 & 0.00613\end{array}$ $\begin{array}{llllllllll}1000 & 933.9843 & 0.008909 & 0.090247 & 0.059186 & 0.091978 & 3.827035 & 4.416919 & 0.007066\end{array}$ $\begin{array}{lllllllll}1000 & 1005.044 & 0.010942 & 0.080755 & 0.11284 & 0.100049 & 4.257321 & 3.888248 & 0.007668 \\ 1000 & 1109.264 & 0.013906 & 0.084676 & 0.090272 & 0.127708 & 4.082888 & 4.159102 & 0.007039\end{array}$

 $\begin{array}{lllllllll}1000 & 1050.892 & 0.012639 & 0.095231 & 0.108829 & 0.069224 & 3.48895 & 3.433321 & 0.00651 \\ 10.012256 & 0.083559 & 0.094399 & 0.08595 & 3.588081 & 3.84616 & 0.006362\end{array}$ $\begin{array}{llllllllll}1000 & 1073.743 & 0.016611 & 0.094162 & 0.050613 & 0.077413 & 3.750747 & 4.084998 & 0.005941\end{array}$ $\begin{array}{lllllllll}1000 & 1040.508 & 0.013303 & 0.085952 & 0.055027 & 0.0993271 & 4.431008 & 3.641332 & 0.006345\end{array}$ $\begin{array}{llllllllll}1000 & 948.8302 & 0.017151 & 0.120521 & 0.107967 & 0.105458 & 4.450501 & 4.169837 & 0.011552\end{array}$

 $\begin{array}{lllllllll}1000 & 1150.978 & 0.01103 & 0.112328 & 0.140965 & 0.104858 & 4.527291 & 4.246741 & 0.008904\end{array}$ $\begin{array}{lllllllll}1000 & 1078.461 & 0.010312 & 0.113554 & 0.110995 & 0.094182 & 4.582837 & 5.216003 & 0.007964 \\ 1000 & 979.3589 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563\end{array}$ $\begin{array}{lllllllll}1000 & 979.3559 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563 \\ 1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979\end{array}$ $\begin{array}{lllllllll}1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979 \\ 1000 & 973.635 & 0.007862 & 0.095273 & 0.097306 & 0.056644 & 4.777448 & 4.033135 & 0.004704\end{array}$ $\begin{array}{lllllllll}1000 & 898.0397 & 0.0012928 & 0.084047 & 0.0973761 & 0.056644 & 4.777448 & 4.033135 & 0.004704 \\ 10.0964684 & 5.850733 & 4.297753 & 0.009108\end{array}$ $\begin{array}{lllllllll}1000 & 822.2072 & 0.009701 & 0.10902 & 0.077634 & 0.094442 & 4.545877 & 4.32527 & 0.005085\end{array}$ $\begin{array}{lllllllll}1000 & 944.5036 & 0.014902 & 0.128787 & 0.07847 & 0.101693 & 5.689784 & 5.067543 & 0.011265 \\ 1000 & 873.0413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ $\begin{array}{lllllllll}1000 & 873.9413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ | 1000 | 1160.539 | 0.016712 | 0.1056 | 0.124497 | 0.101001 | 5.15125 | 5.059805 | 0.006411 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1035.832 & 0.019257 & 0.104078 & 0.073098 & 0.089762 & 4.602694 & 4.446512 & 0.00825 \\ 1000 & 996.6967 & 0.020022 & 0.094208 & 0.072893 & 0.091969 & 4.68461 & 4.47308 & 0.009578\end{array}$ $\begin{array}{lllllllll}1000 & 1161.63 & 0.015064 & 0.119751 & 0.0660777 & 0.103982 & 4.663641 & 4.280423 & 0.008475\end{array}$ $\begin{array}{llllllllll}1000 & 1075.271 & 0.019046 & 0.136875 & 0.144539 & 0.112855 & 4.445872 & 4.013315 & 0.008608\end{array}$ $\begin{array}{llllllllll}1000 & 1047.164 & 0.028758 & 0.142505 & 0.167969 & 0.15747 & 5.70897 & 5.048413 & 0.011243\end{array}$

| 559.8638 | 101.01 | 133.02 | 350.39 | 371.44 | 9180.22 | 161664.1 | 255.07 | 248.07 | 31 | 207.05 | 7637.67 | 62026.25 | 50 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 560.1976 | 99.01 | 157.03 | 295.28 | 433.59 | 8903.88 | 193284.4 | 240.06 | 217.05 | 29 | 186.04 | 7869.58 | 69510.75 | 30 |
| 560.532 | 133.02 | 156.03 | 243.19 | 358.41 | 11063.63 | 183742.7 | 344.13 | 224.05 | 33 | 182.04 | 7534.98 | 70969.93 | 54 |
| 560.8658 | 104.01 | 175.03 | 359.41 | 362.42 | 9667.34 | 197549.6 | 338.12 | 273.08 | 43 | 220.05 | 7518.71 | 65877.77 | 32 |
| 561.1996 | 112.01 | 137.02 | 279.25 | 485.75 | 8136.66 | 152128.3 | 330.12 | 170.03 | 34 | 144.02 | 7443.49 | 64626.49 | 39 |
| 561.5339 | 117.01 | 149.02 | 425.57 | 388.48 | 8930.33 | 144822.1 | 300.1 | 158.03 | 26 | 157.03 | 7213.83 | 60076.08 | 24 |
| 561.8678 | 101.01 | 123.02 | 235.17 | 373.44 | 7790.66 | 135401.4 | 280.08 | 117.01 | 23 | 118.02 | 7053.34 | 56419.16 | 20 |
| 562.2016 | 101.01 | 176.03 | 316.32 | 341.37 | 7428.64 | 116872 | 310.1 | 91.01 | 3 | 114.01 | 6459.6 | 56851.48 | 5 |
| 562.5359 | 104.01 | 99.01 | 219.15 | 348.38 | 7434.93 | 121152.1 | 278.08 | 97.01 | 16 | 109.01 | 6027.73 | 52843.54 | 19 |
| 562.8698 | 79.01 | 149.02 | 226.16 | 330.34 | 7402.44 | 109689.1 | 259.07 | 73.01 | 11 | 84.01 | 5828.15 | 52872.66 | 18 |
| 563.2036 | 104.01 | 137.02 | 254.2 | 292.27 | 7618.47 | 119417.6 | 249.07 | 76.01 | 11 | 87.01 | 6180.77 | 48701.12 | 18 |

## Standard NIST SRN 610 used for shell 2388 <br> 2:|2016 herath_dilmil 2016-09-05\ruu Created: Mon Sep 05 17:58:12 2016

## All values are reported in ppm

GLITTER!: Trace Element Concentrations MDL filtered. Element std610_7 std610_8 stdd10_9 std610 $\begin{array}{llllll}\text { Li7 } & 473.25 & 462.46 & 465.96 & 470.24\end{array}$ $\begin{array}{lrrrr}\text { B11 } & 351.45 & 348.46 & 349.08 & 350.9 \\ \text { Mg25 } & 430.34 & 433.81 & 432.15 & 43.7\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 430.34 & 433.81 & 432.13 & 431.73\end{array}$ $\begin{array}{lrrrr}\text { Mg26 } & 4424 & 440.21 & 430.13 & 431.73 \\ \text { Ca43 } & 81473.75 & 8143.75 & 81473.77 & 814737\end{array}$ $\begin{array}{llllll}\text { Ca43 } & 81473.75 & 8140.21 & 430.29 & 432.72 \\ & 81473.77 & 81473.77\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 81210.13 & 81780.01 & 81439.73 & 81474.34\end{array}$ $\begin{array}{llrrr}\text { Mn55 } & 443.02 & 445.26 & 442.08 & 445.52\end{array}$ $\begin{array}{lllll}\text { Zn66 } & 436.91 & 492.07 & 460.31 & 457.04 \\ \text { Zn67 } & 441.38 & 483.82 & 459.25 & 45.57\end{array}$ $\begin{array}{lllll}\text { Zn67 } & 441.38 & 483.82 & 459.25 & 458.57 \\ \text { Zn68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ & & 53.5 & 51.96 & 54.57\end{array}$ $\begin{array}{lllll}\text { 2r68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ \text { Sr86 } & 497.56 & 536.02 & 514.46 & 514.57 \\ \text { Sr88 } & 515.41 & 515.64 & 514.93 & 5152\end{array}$ $\begin{array}{llllll}\text { Sr88 } & 515.41 & 565.64 & 514.93 & 515.96 \\ \text { Ba137 } & 448.46 & 456.23 & & \end{array}$

GUITER!: Mean Raw CPS background NOT subtrated Element Mean Raw CPS background NOT subtracted.
std610 7
std610
8 std610 9 std610 Element std610_7 std610_8 std610_9 std610_10 $\begin{array}{lllll}\text { Li7 } & 840630 & 774959 & 634379 & 666687 \\ \text { B11 } & 176916 & 163919 & 122115 & 126585\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 87675 & 81348 & 63959 & 6631\end{array}$ $\begin{array}{llllll}\text { Mg26 } & 105876 & 95037 & 74052 & 77259\end{array}$ $\begin{array}{llllll}\text { Са43 } & 197179 & 186631 & 157114 & 164209\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 3301874 & 3109408 & 2608571 & 2726212\end{array}$ $\begin{array}{llllll}\text { Mn55 } & 834433 & 771902 & 598662 & 625398\end{array}$

| Zn66 | 115890 | 124138 | 102559 | 106915 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Zn67 | 19811 | 20548 | 16357 | 17053 |


|  | 19811 | 20548 | 16357 | 17053 |
| :--- | :--- | :--- | :--- | :--- |
| 2n68 | 90695 | 94465 | 75776 | 78915 |


| Sr86 | 108902 | 94465 | 75776 | 78915 |
| ---: | ---: | ---: | ---: | ---: | ---: |
|  | 10341 | 85315 | 89330 |  |

 $\begin{array}{llllll}\text { Ba137 } & 108577 & 104945 & 90541 & 95266\end{array}$

Average CPS/ppm X/Ca43
467.97751558 .117720 .123 $349.9725421 .1295 \quad 194.6357$ 432.0025 173.2039 80.0505 431.805 203.9254 94.24927 $81473.76 \quad 2.163681$
$81476.05 \quad 36.04146 \quad 16.65747$ $\begin{array}{r}443.97 \quad 1593.799736 .6143 \\ 461.5825 \\ 243.257 \\ \hline\end{array}$ $460.755 \quad 40.02615 \quad 18.499$ $461.6425 \quad 184.0445 \quad 85.060$ 515.6525186 .602486 .24302 $\begin{array}{lll}515.485 & 1556.279 & 719.2735\end{array}$ 452.035 220.8507 102.0717

Average
729163.8
147383.8
74824.5

88056 176283.3 2936516 707598.8
112375.5 84962.75 96222 99832.2
$\begin{array}{llllll}0.045024 & 0.242562 & 0.815599 & 0.658407\end{array}$ $\begin{array}{llllll}0.044512 & 0.304164 & 0.707952 & 0.801319\end{array}$ $\begin{array}{llll}0.044512 & 0.304164 & 0.707952 & 0.801319 \\ 0.061963 & 0.242966 & 0.468588 & 0.525642\end{array}$ $\begin{array}{llllll}0.045394 & 0.317474 & 0.794539 & 0.608854\end{array}$ $\begin{array}{lllllll}0.062297 & 0.283536 & 0.732397 & 0.989375\end{array}$ $\begin{array}{lllll}0.061521 & 0.285277 & 1.019278 & 0.710314\end{array}$ $\begin{array}{lllll}0.053057 & 0.260096 & 0.643378 & 0.780374\end{array}$
 $\begin{array}{lllll}0.059028 & 0.207786 & 0.627878 & 0.758577\end{array}$ $\begin{array}{llll}0.030565 & 0.344174 & 0.650979 & 0.719146\end{array}$

$\begin{array}{lllllllll}1000 & 1032.632 & 0.013431 & 0.155637 & 0.113652 & 0.141987 & 4.764557 & 4.591321 & 0.016482\end{array}$ $\begin{array}{llllllll}1000 & 1273.089 & 0.012058 & 0.140289 & 0.109384 & 0.128847 & 5.063505 & 5.305071\end{array} 0.010108$ $\begin{array}{lllllllll}1000 & 973.9181 & 0.019691 & 0.116563 & 0.100574 & 0.101002 & 3.89951 & 4.358914 & 0.014784\end{array}$ $\begin{array}{llllllllll}1000 & 1096.326 & 0.024948 & 0.120047 & 0.141027 & 0.102593 & 5.237366 & 5.397477 & 0.014452\end{array}$ $\begin{array}{llllllll}1000 & 950.8609 & 0.019161 & 0.101593 & 0.097402 & 0.104307 & 4.622672 & 4.571424 \\ 0.008019\end{array}$ $\begin{array}{lllllllll}1000 & 1019.028 & 0.019236 & 0.08596 & 0.09829 & 0.082331 & 5.179594 & 4.921326 & 0.0077618 \\ 1000 & 922.319 & 0.024655 & 0.069876 & 0.009644 & 0.0723 & 4.96557 & 5 & 200764\end{array}$ | 1000 | 1029.019 | 0.019236 | 0.08596 | 0.0982 | 0.082331 | 5.179594 | 4.921326 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 0.007618 |  |  |  |  |  |  | $\begin{array}{llllllll}1000 & 955.3226 & 0.019871 & 0.074492 & 0.070319 & 0.077259 & 4.627473 & 4.830022\end{array} 0.000757$ $\begin{array}{llllllllll}1000 & 918.9416 & 0.015349 & 0.05673 & 0.045847 & 0.053921 & 4.632462 & 4.344124 & 0.006986\end{array}$

Acquired :5/01/2017 1:02:08 PM using Batch RUN3.b
 70.4927

### 70.8265 71.1608

71.1608
71.4947
71.4947
71.829
71.829
72.1628
72.4966
$72.4966 \quad 74$
72.49266
72.831
73.1648

| 73.16 |
| :--- |
| 73.48 |

7

| 74.16 |
| :--- |
| 74.5 |


| 74.50 |
| :--- |
| 74.83 |


| 74.81 |
| :--- |
| 75.1 |


| 75.168 |
| :--- |
| 75.5026 |
| 75.83 |


| 75.836 |
| :--- |
| 76.17 |

76.81798
76.5046
76.5046
76.8399
76.8399
77.1738

| 77.1738 |
| :--- |
| 77.50 |


| 77.507 |
| :--- |
| 77.841 |
| 78.1757 |


| 77.841 |
| :--- |
| 78.175 |

78.50
79.1
79.51
79.84
79.8459
80.1797
80.1797
80.5135
80.5135
80.8479
81.1817
80.8479
81.1817
815155
81.5155
81.8499
821837
$82 . .1837$
82.5175
82.5175
82.8518
83.1857
83.1857
83.52
8.538
83.52
83.8538
84.1876
83.8538
84.1876
84.522
84.1876
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84.8568
84.8568
85.1907
85.1907
85.525
85.525
85.5888
85.8588
86.1926
86.527
86.527
86.8608
$\begin{array}{r}86.8608 \\ 87.1946 \\ \hline 87.529\end{array}$
86.1946
87.529
87.8628
87.8628
88.1966
88.1966
88.5309
88.5309
88.8648
$\begin{array}{rrrrrrrrrr}88.1986 & 111.01 & 166.03 & 63.01 & 124.05 & 6438.07 & 6233 & 123838.8 & 196.04 & 94.01 \\ & 177.03 & 90.03 & 91.03 & 6726.88 & 130548.3 & 191.04 & 119.02\end{array}$

$206.13 \quad 6937 .{ }^{2} 179$ $\begin{array}{llll} & 6937.81 & 112650.8\end{array}$ | 179.1 | 6197.63 | 1119965.6 |
| :--- | :--- | :--- |
| 1519 | 6519.34 | 98035.8 |

 $\stackrel{\circ}{\circ}$ $\stackrel{\infty}{\infty}{ }_{\infty}^{\infty}$
$5 r 86$

01

336 $\begin{array}{llll}85.01 & 3361.39 & 33209.72\end{array}$ $\begin{array}{lll}87.01 & 3465.17 & 33931.2 \\ 90.01 & 40.77 & 3547.24\end{array}$ \begin{tabular}{llll}
\hline .01 \& 4026.77 \& 35547.29

 $\begin{array}{lll}76.01 & 3489.35 & 31910.24 \\ 70.01 & 4359.82 & 2901627\end{array}$ $\begin{array}{rrr}70.01 & 4359.82 & 29016.27 \\ 67 & 3356.35 & 30960.71\end{array}$ $\begin{array}{llll}67 & 3356.35 & 30960.71 \\ .01 & 4106.48 & 35093.96\end{array}$ $\begin{array}{lll}69.01 & 4106.48 & 35093.96 \\ 80.01 & 3662.71 & 36699.88\end{array}$ 

80.01 <br>
69.01 <br>
\hline 7.01

 

3662.01 \& 34489.1 <br>
3999.53 \& 29366.7 <br>
\hline
\end{tabular}

 $\begin{array}{llll}73.01 & 4410.31 & 31338.37 \\ 74.01 & 3885.55 & 31480.73\end{array}$ 66
74.01 38773.6132687 .78
31738 $\begin{array}{lll}3773.71 & 32607.78 \\ 30633.37\end{array}$ $4039.88 \quad 26954.74$ $\begin{array}{ll}4039.88 & 26954.74 \\ 361.46 & 31070.87\end{array}$ 76.01 $\begin{array}{ll}9 & \\ 5 & 0 \\ 9 & 0 \\ 4 & 0\end{array}$

Convertion mmol/mol (Georem)
${ }^{L i 7} \quad{ }^{\text {B11 }} \quad \mathrm{Mg} 25 \quad \mathrm{Mg} 26 \quad \mathrm{Ca43}$ $\begin{array}{lllll}0.014212 & 0.477124 & 0.400065 & 0.453168 \\ 0.036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{llll}036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{lllll}0.024304 & 0.6252999 & 0.4721542 & 0.5330387\end{array}$ $\begin{array}{llll}0.024304 & 0.625299 & 0.471542 & 0.530357 \\ 0.071327 & 0.86506 & 0.626596 & 0.689338\end{array}$ $\begin{array}{lllll}0.032441 & 0.65367 & 0.509878 & 0.588591\end{array}$ $\begin{array}{lllll}0.045964 & 0.836121 & 0.683849 & 0.496286\end{array}$ $\begin{array}{llllllll}0.023956 & 0.722269 & 0.746994 & 0.418764\end{array}$ $\begin{array}{lllllllll}0.0314 & 0.809139 & 0.492741 & 0.597374\end{array}$ $\begin{array}{llll}0.035631 & 0.68044 & 0.394908 & 0.419953\end{array}$ $\begin{array}{llll}0.042699 & 0.645016 & 0.382305 & 0.423525\end{array}$ $\begin{array}{llll}0.038644 & 0.732868 & 0.303948 & 0.363932 \\ 0.050167 & 0.6052 & 0.262075 & 0.339768\end{array}$ $04678 \quad 0.696277 \quad 0.474610 .332669$ $\begin{array}{lllll}0.041127 & 0.786182 & 0.496357 & 0.502365\end{array}$ 0.030360 .6868030 .7443420 .386995 0.0272210 .6776730 .5259210 .286233 0.0418050 .5988560 .4249670 .304504 $\begin{array}{llll}0.044409 & 0.529427 & 0.230359 & 0.29566\end{array}$ $\begin{array}{rrrr}0.047104 & 0.661144 & 0.347343 & 0.364 \\ 0 & 045462 & 0.616712 & 0.362359\end{array}$ $\begin{array}{llllll}0.049756 & 0.446333 & 0.435203 & 0.327911\end{array}$ $\begin{array}{llll}0.062749 & 0.375359 & 0.252237 & 0.239868\end{array}$ $\begin{array}{llllll}0.088728 & 0.535161 & 0.238787 & 0.279027\end{array}$ $\begin{array}{lllllll}0.127013 & 0.588532 & 0.429127 & 0.327099\end{array}$ $\begin{array}{lllllllll}0.085732 & 0.597896 & 0.355955 & 0.359016\end{array}$ $0.077984 \quad 0.515370 .2200480 .274219$ $\begin{array}{llll}0.066519 & 0.581484 & 0.195853 & 0.231953\end{array}$ $\begin{array}{lllll}0.046257 & 0.481883 & 0.259778 & 0.259115\end{array}$ $\begin{array}{lllllll}0.101143 & 0.473082 & 0.261028 & 0.367494\end{array}$ $\begin{array}{llll}0.132016 & 0.513791 & 0.245818 & 0.3089\end{array}$ $\begin{array}{llllll}0.097711 & 0.457082 & 0.258896 & 0.194549\end{array}$ $\begin{array}{llllll}0.094896 & 0.464772 & 0.247803 & 0.220315\end{array}$ $0.1374370 .442277 \quad 0.2136520 .210203$ $\begin{array}{lllll}0.143102 & 0.52655 & 0.267642 & 0.226465\end{array}$ $\begin{array}{lllll}0.130366 & 0.450118 & 0.194497 & 0.198305 \\ 0.05261 & 0.432313 & 0.262108 & 0.219594\end{array}$ 0.0878880 .4460670 .3442540 .221977 $\begin{array}{llllll}0.082093 & 0.458292 & 0.270474 & 0.168049\end{array}$ $\begin{array}{llllll}0.087772 & 0.434892 & 0.253075 & 0.214525\end{array}$ $\begin{array}{lllllll}0.066281 & 0.287609 & 0.174145 & 0.185087\end{array}$ $\begin{array}{lllll}0.052363 & 0.333942 & 0.187762 & 0.208832\end{array}$ $\begin{array}{lllll}0.062725 & 0.378172 & 0.185271 & 0.177175\end{array}$ $\begin{array}{llll}0.088444 & 0.419751 & 0.262195 & 0.260536 \\ & 0.05335 & 0.358938 & 0.2029\end{array}$ $\begin{array}{lllll}0.027028 & 0.342342 & 0.250189 & 0.271304\end{array}$ $\begin{array}{llllll}0.034908 & 0.419729 & 0.245391 & 0.171974\end{array}$ $\begin{array}{llllllll}0.02841 & 0.355781 & 0.267222 & 0.337443\end{array}$ $\begin{array}{llllllllllll}0.054306 & 0.507699 & 0.277764 & 0.363138\end{array}$ $\begin{array}{lllllllllllll}0.051474 & 0.468197 & 0.318724 & 0.271393\end{array}$ $\begin{array}{llll}0.064388 & 0.456206 & 0.24802 & 0.181336\end{array}$ $\begin{array}{llll}0.036547 & 0.420079 & 0.222493 & 0.195849\end{array}$ $\begin{array}{lllll}0.061872 & 0.39398 & 0.2279807 & 0.174905\end{array}$ $0773440379804 \quad 0.2384060185501$ $\begin{array}{llllll}0.098567 & 0.423807 & 0.254163 & 0.150082\end{array}$ $0.0799650 .463494 \quad 0.210790 .273347$ $\begin{array}{llllllll}0.125941 & 0.462248 & 0.281605 & 0.167139\end{array}$

$\begin{array}{llllllll}\text { Ca44 Mn55 Zn66 } & \text { Zn67 } & \text { Zn68 } & \text { Sr86 } & \text { Sr88 } & \text { Ba137 }\end{array}$ $\begin{array}{llllllllll}1000 & 951.8809 & 0.000472 & 0.066472 & 0.035339 & 0.057069 & 2.730254 & 3.252972 & 0.003694 \\ 0.000 & 1125.394 & 0.001214 & 0.062262 & 0.050761 & 0.066287 & 3.153538 & 3.720711 & 0.002157\end{array}$ | 1000 | 8272.4309 | 0.011745 | 0.06626297 | 0.050781 | 0.066287 | 3.153538 | 0.066437 | 3.49748 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 894.2208 & 0.008809 & 0.045705 & 0.045435 & 0.053409 & 3.195475 & 3.520361 & 0.001673\end{array}$ $\begin{array}{llllllllll}1000 & 1196.172 & 0.009453 & 0.056956 & 0.021967 & 0.058739 & 5.108527 & 4.072927 & 0.004028\end{array}$

 $\begin{array}{lllllllllll}1000 & 1015.424 & 0.00658 & 0.057904 & 0.000394 & 0.048907 & 4.108248 & 3.211709 & 0.002902\end{array}$ $\begin{array}{llllllllll}1000 & 953.4733 & 0.000197 & 0.044156 & 0.047832 & 0.06131 & 3.925668 & 4.005544 & 0.003333\end{array}$ $\begin{array}{lllllllll}1000 & 1107.276 & 0.010057 & 0.059699 & 0.051875 & 0.076142 & 4.196812 & 3.698962 & 0.004751 \\ 1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039452 & 3.185524 & 3.263367 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039052 & 3.185524 & 3.2633667 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 838.1201 & 0.003764 & 0.035212 & 0.032305 & 0.047074 & 3.84113 & 3.268843 & 0.001111 \\ 1000 & 947.8219 & 0.007628 & 0.03652 & 0.033167 & 0.042495 & 2.973707 & 2.894111 & 0.003053\end{array}$ $\begin{array}{llllllllllll}1000 & 939.1253 & 0.004274 & 0.039855 & 0.021759 & 0.039266 & 3.290681 & 3.426599 & 0.002062\end{array}$ $\begin{array}{llllllllll}1000 & 990.8375 & 0.003539 & 0.050894 & 0.038741 & 0.049636 & 3.273834 & 3.225031 & 0.004534\end{array}$ $\begin{array}{lllllllllll}1000 & 1039.072 & 0.007752 & 0.068145 & 0.063606 & 0.03552 & 4.165834 & 3.335605 & 0.004109\end{array}$ $\begin{array}{llllllllll}1000 & 973.6845 & 0.006464 & 0.039137 & 0.062032 & 0.039928 & 3.038355 & 3.128238 & 0.002435\end{array}$ $\begin{array}{lllllllll}1000 & 988.1532 & 0.004017 & 0.03546 & 0.036964 & 0.049601 & 3.10776 & 3.036294 & 0.005251\end{array}$ $\begin{array}{llllllllll}1000 & 791.2393 & 0.005467 & 0.027768 & 0.044877 & 0.040568 & 3.253481 & 3.256181 & 0.004531\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1288.02 & 0.010661 & 0.034051 & 0.065232 & 0.020502 & 3.942886 & 3.211692 & 0.009562 \\ 1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539\end{array}$ $\begin{array}{lllllllll}1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539 \\ 1000 & 874.6547 & 0.006293 & 0.038395 & 0.065143 & 0.032661 & 3.779576 & 3.800531 & 0.006849\end{array}$ $\begin{array}{llllllllllll}1000 & 813.2915 & 0.002637 & 0.048345 & 0.063684 & 0.044975 & 2.376965 & 2.619135 & 0.002756\end{array}$ $\begin{array}{lllllllllll}1000 & 863.7948 & 0.00845 & 0.078664 & 0.078354 & 0.071598 & 3.281222 & 3.162489 & 0.003841\end{array}$ $\begin{array}{llllllllllll}1000 & 1092.823 & -0.00016 & 0.090327 & 0.103329 & 0.105717 & 3.728971 & 3.581617 & 0.002709\end{array}$ $\begin{array}{lllllllll}1000 & 1094.188 & 0.003495 & 0.073767 & 0.086995 & 0.084989 & 3.801596 & 4.045545 & 0.009261\end{array}$ $\begin{array}{llllllllll}1000 & 969.9872 & 0.005439 & 0.080255 & 0.054503 & 0.061475 & 2.846943 & 3.156836 & 0.016691\end{array}$ $\begin{array}{lllllllll}1000 & 1004.166 & 0.002931 & 0.080088 & 0.101573 & 0.085763 & 3.453176 & 3.540166 & 0.040678\end{array}$ $\begin{array}{lllllllll}1000 & 898.636 & 0.002932 & 0.088486 & 0.070601 & 0.094927 & 3.047474 & 3.39936 & 0.04539 \\ 1000 & 937.6714 & 0.00867 & 0.084467 & 0.094624 & 0.085575 & 3.413075 & 3.554065 & 0.046439\end{array}$ $\begin{array}{llllllllll}1000 & 1009.745 & 0.009716 & 0.087166 & 0.09835 & 0.076867 & 3.829196 & 3.570973 & 0.063827\end{array}$ $\begin{array}{llllllllll}1000 & 1451.672 & 0.002636 & 0.089023 & 0.059244 & 0.076001 & 4.012703 & 3.429175 & 0.055041\end{array}$ $\begin{array}{llllllllllll}1000 & 947.4987 & 0.007241 & 0.083048 & 0.066248 & 0.079119 & 3.364185 & 3.560657 & 0.050137\end{array}$ $\begin{array}{lllllllll}1000 & 915.0917 & 0.012553 & 0.069763 & 0.031058 & 0.073791 & 3.437191 & 3.490126 & 0.058979\end{array}$ $\begin{array}{llllllllll}1000 & 1145.088 & 0.004697 & 0.070796 & 0.071398 & 0.082256 & 3.132771 & 3.345793 & 0.040727\end{array}$ $\begin{array}{lllllllll}1000 & 972.705 & 0.012894 & 0.074341 & 0.11221 & 0.076753 & 3.451217 & 3.240828 & 0.037346 \\ 1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352 \\ 1000 & 1042.33 & 0.004907 & 0.073958 & 0.103134 & 0.062686 & 3.803777 & 3.897937 & 0.022875\end{array}$ $\begin{array}{lllllllll}1000 & 1062.367 & 0.011058 & 0.066356 & 0.04477 & 0.099023 & 4.045204 & 3.70536 & 0.016849\end{array}$ $\begin{array}{lllllllllll}1000 & 923.2817 & 0.004866 & 0.074117 & 0.07465 & 0.059718 & 3.08433 & 3.020962 & 0.014164\end{array}$ $\begin{array}{llllllllllllll}1000 & 860.2757 & 0.007473 & 0.060675 & 0.074516 & 0.052496 & 3.488818 & 3.520501 & 0.012804\end{array}$ $\begin{array}{llllllllll}1000 & 749.476 & 0.005608 & 0.060766 & 0.051304 & 0.034845 & 2.634693 & 2.910926 & 0.007272\end{array}$ $\begin{array}{lllllllll}1000 & 891.3057 & 0.00787 & 0.072405 & 0.059901 & 0.0415 & 2.786632 & 3.268306 & 0.008651\end{array}$ | 1000 | 941.8271 | 0.007392 | 0.093496 | 0.046279 | 0.06055 | 4.03341 | 3.974286 | 0.006266 |
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| 1000 | 958.3042 | 0.004492 | 0.074719 | 0.038281 | 0.06304 | 3.513881 |  |  | $\begin{array}{llllllllll}1000 & 958.3042 & 0.004492 & 0.074719 & 0.038281 & 0.065304 & 3.519881 & 3.564174 & 0.006874\end{array}$ $\begin{array}{lllllllll}1000 & 1071.578 & 0.005013 & 0.077214 & 0.041172 & 0.091066 & 3.785611 & 3.545129 & 0.004221\end{array}$ $\begin{array}{llllllllll}1000 & 814.1257 & 0.000581 & 0.064182 & 0.074776 & 0.056095 & 3.03215 & 3.393862 & 0.005082\end{array}$ $\begin{array}{lllllllll}1000 & 982.3351 & 0.004408 & 0.075003 & 0.097783 & 0.06291 & 3.667249 & 3.784144 & 0.005147\end{array}$ $\begin{array}{lllllllll}1000 & 1219.838 & 0.0088 & 0.076281 & 0.069258 & 0.083944 & 3.667925 & 3.80834 & 0.008296\end{array}$ $\begin{array}{llllllllll}1000 & 1052.024 & 0.00993 & 0.098466 & 0.072977 & 0.123589 & 3.96565 & 3.669712 & 0.005606\end{array}$ $\begin{array}{lllllllll}1000 & 887.4477 & 0.003827 & 0.094128 & 0.093797 & 0.082602 & 3.36748 & 3.572334 & 0.003376 \\ 1000 & 885.8544 & 0.004056 & 0.077334 & 0.09468 & 0.000252 & 3.358893 & 3.064162 & 0.005986\end{array}$ $\begin{array}{lllllllll}1000 & 885.8544 & 0.004056 & 0.073734 & 0.094686 & 0.090252 & 3.358983 & 3.064162 & 0.005986 \\ 1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241\end{array}$ $\begin{array}{lllllllll}1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241 \\ 1000 & 1005.464 & 0.004205 & 0.074607 & 0.094794 & 0.081233 & 3.114214 & 3.440002 & 0.003489\end{array}$ $\begin{array}{lllllllllll}1000 & 1342.256 & 0.007262 & 0.07879 & 0.080743 & 0.072064 & 3.146068 & 3.008 & 0.002117\end{array}$ $\begin{array}{llllllllll}1000 & 1089.571 & 0.008758 & 0.087828 & 0.054255 & 0.093846 & 3.603448 & 3.582285 & 0.002077\end{array}$ $\begin{array}{lllllllllll}1000 & 1164.891 & 0.009728 & 0.086072 & 0.061609 & 0.113651 & 4.158845 & 3.825655 & 0.002145\end{array}$ $\begin{array}{llllllllll}1000 & 1137.878 & 0.008224 & 0.101288 & 0.067403 & 0.086499 & 3.312141 & 3.70104 & 0.001988\end{array}$

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$\begin{array}{llll}0.118851 & 0.37433 & 0.259692 & 0.214372 \\ 0.170714 & 0.358238 & 0.216677 & 0.219052\end{array}$ $\begin{array}{llll}0.170714 & 0.358238 & 0.216677 & 0.219052 \\ 0.136293 & 0.451017 & 0.294004 & 0.217436\end{array}$ $\begin{array}{lllllll}0.144901 & 0.497665 & 0.222551 & 0.152535\end{array}$ $\begin{array}{lllll}0.179913 & 0.46306 & 0.223666 & 0.250856\end{array}$ $\begin{array}{llllll}0.178273 & 0.400702 & 0.275914 & 0.178043\end{array}$ $\begin{array}{llll}0.160625 & 0.408582 & 0.282087 & 0.188593 \\ 0\end{array}$ $\begin{array}{llll}0.173689 & 0.353839 & 0.173898 & 0.278287\end{array}$ $\begin{array}{llll}0.190814 & 0.390799 & 0.182025 & 0.241513 \\ 0 & 201015 & 0.365881 & 0.25338 \\ 0\end{array}$ $\begin{array}{lllll}0.231876 & 0.464771 & 0.2253877 & 0.182255 \\ 0.204869\end{array}$ $\begin{array}{lllll}0.207273 & 0.490209 & 0.305904 & 0.261771\end{array}$ $\begin{array}{llllll}0.173558 & 0.469886 & 0.215718 & 0.250293\end{array}$ $\begin{array}{lllll}0.164121 & 0.49889 & 0.20852 & 0.205221\end{array}$ $\begin{array}{lllll}0.234856 & 0.365297 & 0.182624 & 0.168479\end{array}$ $\begin{array}{llll}0.167435 & 0.401373 & 0.110809 & 0.187595\end{array}$ $\begin{array}{llll}0.27688 & 0.582093 & 0.193286 & 0.19965 \\ 0.217958 & 0.471522 & 0.174407 & 0.22693\end{array}$ $\begin{array}{llll}0.217988 & 0.471522 & 0.174407 & 0.22693 \\ 0.222884 & 0.459433 & 0.179438 & 0.208157\end{array}$ $\begin{array}{lllll}0.150165 & 0.57902 & 0.174384 & 0.254814\end{array}$ $\begin{array}{lllll}0.203815 & 0.714681 & 0.242645 & 0.218275\end{array}$ $\begin{array}{lllll}0.180368 & 0.446052 & 0.360615 & 0.294283\end{array}$ $\begin{array}{lllll}0.071237 & 0.538947 & 0.277759 & 0.328447\end{array}$ $\begin{array}{llll}0.130598 & 0.69645 & 0.34135 & 0.360065\end{array}$ $\begin{array}{lllll}0.098843 & 0.65377 & 0.676307 & 0.410491\end{array}$ $\begin{array}{llll}0.104922 & 0.943184 & 0.865769 & 0.776322 \\ 0.040938 & 0.691043 & 0.77151 & 0.629973\end{array}$ $\begin{array}{lllll}0.025689 & 0.781073 & 1.208556 & 0.843902\end{array}$ $\begin{array}{llll}0.049064 & 0.684149 & 1.211672 & 0.975762\end{array}$ $\begin{array}{lllll}0.052452 & 0.722255 & 0.966243 & 0.917476\end{array}$ $\begin{array}{llll}0.035855 & 0.712508 & 1.251157 & 1.334088\end{array}$ $\begin{array}{llll}0.004774 & 0.794482 & 1.42477 & 1.33097\end{array}$ $\begin{array}{rrrr}0.01533 & 0.716821 & 1.380249 & 1.019492 \\ 0.008619 & 0.848255 & 1.477547 & 1130183\end{array}$ $\begin{array}{llll}0.008619 & 0.843255 & 1.477547 & 1.130183 \\ 0.057207 & 0.920017 & 1.315637 & 1.513824\end{array}$ $\begin{array}{lllll}0.018025 & 0.740061 & 1.046815 & 1.082261\end{array}$ $\begin{array}{lllll}-0.00059 & 0.744924 & 1.290903 & 1.178212\end{array}$ $0.0074990 .799498 \quad 0.817070 .853003$ $\begin{array}{lllll}0.037226 & 0.697422 & 0.759803 & 0.652097\end{array}$ $\begin{array}{llll}0.036922 & 0.645372 & 0.536409 & 0.59236\end{array}$ $\begin{array}{llll}0.04308 & 0.665748 & 0.5797 & 0.756277\end{array}$ $\begin{array}{llll}0.037874 & 0.715212 & 0.54262 & 0.482653 \\ 0.064756 & 0.455277 & 0.399401 & 0.373305\end{array}$ $\begin{array}{llll}0.10729 & 0.347264 & 0.311457 & 0.361366\end{array}$ $\begin{array}{llll}0.10676 & 0.617127 & 0.512927 & 0.372814\end{array}$ $\begin{array}{llllll}0.12763 & 0.572752 & 0.426613 & 0.378862\end{array}$ $\begin{array}{lllll}0.080305 & 0.518073 & 0.413452 & 0.392405\end{array}$ $\begin{array}{lllll}0.110695 & 0.553277 & 0.404886 & 0.827832\end{array}$ $\begin{array}{lllll}0.066012 & 0.548737 & 0.368205 & 0.38103\end{array}$ $\begin{array}{llll}0.111926 & 0.418364 & 0.369723 & 0.343052 \\ 0\end{array}$ $\begin{array}{llll}0.087696 & 0.413118 & 0.310493 & 0.40318 \\ 0.157165 & 0.474184 & 0.321666 & 0.314178\end{array}$ $\begin{array}{lllll}0.15984 & 0.592124 & 0.298767 & 0.325941\end{array}$ $\begin{array}{llllll}0.118792 & 0.336448 & 0.419941 & 0.479956\end{array}$ $\begin{array}{lllll}0.05874 & 0.456113 & 0.330277 & 0.297012\end{array}$ $\begin{array}{llll}0.072845 & 0.373145 & 0.319667 & 0.274059\end{array}$ $\begin{array}{llllll}0.044833 & 0.366563 & 0.195473 & 0.231454\end{array}$ $\begin{array}{llll}0.066279 & 0.345255 & 0.352563 & 0.268416\end{array}$ $\begin{array}{llll}0.109344 & 0.548296 & 0.326416 & 0.258488 \\ 0.068731 & 0.481528 & 0.456158 & 0.31852\end{array}$ $\begin{array}{llll}0.046675 & 0.442061 & 0.493742 & 0.352075\end{array}$ $\begin{array}{llllll}0.029568 & 0.299152 & 0.259549 & 0.178506\end{array}$ $\begin{array}{lllll}0.058166 & 0.542147 & 0.33527 & 0.29786\end{array}$ $\begin{array}{llll}0.06965 & 0.496335 & 0.389144 & 0.335432\end{array}$

$1000 \quad 905.7420 .0025460 .0988350 .058740 .089986$ 3.429429 3.4926620 .005746 | 1000 | 890.6126 | 0.002877 | 0.086703 | 0.069178 | 0.082464 | 3.526752 | 3.3959981 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.0044067 |  |  |  |  |  |  |
| 1000 | 1073.441 | 0.001675 | 0.082106 | 0.054641 | 0.058455 | 3.507604 | 3.403786 |
| 0 | 0.003647 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1073.441 & 0.001675 & 0.082106 & 0.054641 & 0.058455 & 3.507604 & 3.403786 & 0.003647 \\ 1000 & 929.3177 & 0.004843 & 0.061961 & 0.072055 & 0.079167 & 3.102895 & 3.164053 & 0.00311\end{array}$ $\begin{array}{lllllllll}1000 & 1225.217 & 0.004303 & 0.07071 & 0.090447 & 0.069996 & 3.217689 & 3.264866 & 0.003256\end{array}$ $\begin{array}{llllllllll}1000 & 970.7881 & 0.007138 & 0.09723 & 0.067582 & 0.085619 & 3.421184 & 3.432714 & 0.006105\end{array}$ $\begin{array}{lllllllll}1000 & 947.7764 & 0.00102 & 0.092931 & 0.093504 & 0.102446 & 3.519516 & 3.577147 & 0.002111 \\ 1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.06585 & 3338964 & 3.358839 & 0.00520\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.0658 & 3.338964 & 3.350839 \\ 1000 & 904.7969 & 0.00025206 \\ 100 & 0.06308 & 0.067713 & 0.035117 & 0.052449 & 3.164404 & 3.369318 & 0.002793\end{array}$ | 1000 | 904.7969 | 0.003208 | 0.067713 | 0.035117 | 0.052449 | 3.164404 | 3.369318 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.002793 $\begin{array}{llllllllll}1000 & 1280.452 & 0.001371 & 0.079236 & 0.061353 & 0.059695 & 3.458863 & 3.501312 & 0.001646\end{array}$ $\begin{array}{llllllllll}1000 & 1031.921 & 0.001119 & 0.089958 & 0.096619 & 0.063459 & 3.967561 & 3.67656 & 0.003911\end{array}$ $\begin{array}{lllllllllll}1000 & 899.5557 & -0.00403 & 0.066704 & 0.049284 & 0.054816 & 3.018213 & 3.1865 & 0.002319\end{array}$ $\begin{array}{llllllllllllll}1000 & 946.1591 & 0.00817 & 0.087604 & 0.104637 & 0.051187 & 3.701981 & 3.581155 & 0.002743\end{array}$ $1000993.24640 .0011930 .0850390 .0437290 .0715763 .201924 \begin{array}{llllll}3.072473 & 0.004841\end{array}$ $\begin{array}{lllllllll}1000 & 829.7013 & 0.003745 & 0.065475 & 0.089444 & 0.061567 & 3.417848 & 3.364582 & 0.004294\end{array}$ $\begin{array}{lllllllll}1000 & 1399.821 & 0.003509 & 0.064642 & 0.067814 & 0.049206 & 3.851482 & 3.486635 & 0.007043 \\ 1000 & 1062.504 & 0.03156 & 0.075391 & 0.05437 & 0.062787 & 3.341506 & 3580388 & 0.003513\end{array}$ $\begin{array}{lllllllll}1000 & 1062.504 & 0.003156 & 0.073391 & 0.05437 & 0.062787 & 3.341506 & 3.580388 & 0.003513 \\ 1000 & 1288.647 & 0.001885 & 0.064578 & 0.044822 & 0.063408 & 3.439779 & 3.511351 & 0.004105\end{array}$ $\begin{array}{llllllllll}1000 & 958.7214 & 0.002609 & 0.057147 & 0.06394 & 0.059327 & 3.709795 & 3.428895 & 0.006255\end{array}$ $\begin{array}{lllllllllll}1000 & 1326.65 & 0.001774 & 0.051449 & 0.040624 & 0.039714 & 3.54729 & 4.085923 & 0.004247\end{array}$ $\begin{array}{llllllllll}1000 & 922.5494 & 0.008058 & 0.062168 & 0.050684 & 0.054205 & 4.225361 & 3.607393 & 0.003142\end{array}$ $\begin{array}{lllllllll}1000 & 926.0248 & 0.004348 & 0.052341 & 0.014006 & 0.042347 & 2.858641 & 2.99682 & 0.002972\end{array}$ $\begin{array}{lllllllll}1000 & 10944.093 & 0.004463 & 0.054263 & 0.093812 & 0.054794 & 3.424035 & 3.397338 & 0.001542\end{array}$ $\begin{array}{lllllllll}1000 & 1142.049 & 0.001762 & 0.057779 & 0.017504 & 0.039449 & 3.790318 & 3.588461 & 0.001696 \\ 1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361\end{array}$ $\begin{array}{lllllllll}1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361 \\ 1000 & 920.2568 & 0.0077 & 0.034261 & 0.033104 & 0.040039 & 3.735436 & 3.415903 & 0.007889\end{array}$ $\begin{array}{lllllllll}1000 & 1052.672 & 0.010716 & 0.057902 & 0.060937 & 0.052204 & 4.032544 & 4.654298 & 0.004371\end{array}$ $\begin{array}{lllllllll}1000 & 1058.219 & 0.001879 & 0.035675 & 0.034252 & 0.030765 & 4.590401 & 4.726898 & 0.0032303\end{array}$ $\begin{array}{llllllllll}1000 & 1252.312 & 0.003046 & 0.04192 & 0.000398 & 0.024161 & 4.136815 & 3.775635 & 0.002383\end{array}$ $\begin{array}{lllllllllll}1000 & 1203.704 & 0.006028 & 0.042508 & 0.013982 & 0.025003 & 3.896073 & 4.005617 & 0.003806\end{array}$ $\begin{array}{lllllllll}1000 & 11101.566 & -0.002205 & 0.035857 & 0.023016 & 0.0164661 & 4.863489 & 4.798971 & 0.00223 \\ 1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.00331\end{array}$ $\begin{array}{llllllllll}1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.003318\end{array}$ $\begin{array}{lllllllll}1000 & 1058.409 & 0.009446 & 0.052058 & 0.050708 & 0.050175 & 4.652786 & 4.801299 & 0.000756 \\ 1000 & 1183.255 & 0.010478 & 0.043883 & 0.012169 & 0.050827 & 4.573784 & 4.355595 & 0.000188\end{array}$ $\begin{array}{llllllllllll}1000 & 803.8904 & 0.009577 & 0.037524 & 0.040648 & 0.053182 & 4.120374 & 4.371965 & 0.0001496\end{array}$ $\begin{array}{lllllllll}1000 & 1037.693 & 0.001658 & 0.066333 & 0.000384 & 0.057836 & 5.041496 & 4.693602 & 0.003352\end{array}$ $\begin{array}{llllllllll}1000 & 925.5876 & 0.006262 & 0.053149 & 0.037427 & 0.054935 & 3.407574 & 3.769117 & 0.002198\end{array}$ $\begin{array}{llllllllll}1000 & 843.6636 & 0.006927 & 0.055849 & 0.07241 & 0.063077 & 3.607112 & 3.68253 & 0.001427\end{array}$ $\begin{array}{lllllllll}1000 & 805.7752 & 0.008382 & 0.066314 & 0.031675 & 0.056916 & 3.140758 & 3.685913 & 0.001727\end{array}$ $\begin{array}{lllllllll}1000 & 872.5966 & 0.003589 & 0.07632 & 0.056564 & 0.068877 & 3.25273 & 3.405482 & 0.00511 \\ 1000 & 1094.094 & 0.014232 & 0.07559 & 0.093232 & 0.07731 & 3.735111 & 3.52045 & 0.00558\end{array}$ $\begin{array}{lllllllll}1000 & 1094.094 & 0.014232 & 0.075594 & 0.093232 & 0.067318 & 3.735111 & 3.52045 & 0.000588 \\ 1000 & 1136.891 & 0.006728 & 0.070606 & 0.093671 & 0.066265 & 3.353711 & 3.772757 & 0.002211\end{array}$ $\begin{array}{llllllllll}1000 & 643.5551 & 0.003235 & 0.064861 & 0.045898 & 0.053631 & 2.466275 & 2.753502 & 0.004146\end{array}$ $\begin{array}{llllllllll}1000 & 1007.207 & 0.009489 & 0.104798 & 0.101768 & 0.092928 & 3.365738 & 3.481152 & 0.002528\end{array}$ $\begin{array}{llllllllll}1000 & 981.4423 & 0.005573 & 0.081417 & 0.066412 & 0.076956 & 3.78825 & 3.615239 & 0.000662\end{array}$ $\begin{array}{llllllllllllll}1000 & 902.3315 & 0.002563 & 0.070003 & 0.091977 & 0.076141 & 3.140902 & 2.804534 & 0.003079\end{array}$ $\begin{array}{lllllllll}1000 & 932.0316 & 0.00459 & 0.102028 & 0.060143 & 0.110296 & 3.21881 & 3.759883 & 0.005003\end{array}$ $\begin{array}{rrrrrrrr}1000 & 860.124 & 0.007311 & 0.09571 & 0.075124 & 0.071388 & 3.570918 & 3.45387 \\ 1000 & 1039.437 & 0.0001884 & 0.095932 & 0.059 & 0.050909 & 0.07152 & 3.058191\end{array}$ $\begin{array}{lllllllll}1000 & 1039.437 & 0.001884 & 0.095799 & 0.030909 & 0.071252 & 3.958191 & 3.569328 & 0.0073666 \\ 1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774\end{array}$ $\begin{array}{lllllllll}1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774 \\ 1000 & 828.783 & 0.001097 & 0.075206 & 0.057932 & 0.068643 & 3.481892 & 3.233353 & 0.014633\end{array}$ $\begin{array}{llllllll}1000 & 128.7821 & 0.0056 & 0.047063 & 0.025682 & 0.089367 & 3.603593 & 4.031645 \\ 1000 & 1247.822 & 0.017631\end{array}$ $\begin{array}{lllllllllll}1000 & 1013.95 & 0.008459 & 0.059136 & 0.050498 & 0.052941 & 4.676865 & 4.152523 & 0.031187\end{array}$ $\begin{array}{lllllllll}1000 & 898.0917 & 0.008767 & 0.065534 & 0.079227 & 0.060491 & 4.655381 & 4.30596 & 0.021502\end{array}$ $\begin{array}{lllllllll}1000 & 1083.251 & 0.004121 & 0.062631 & 0.060933 & 0.056853 & 4.164407 & 3.759606 & 0.019272\end{array}$ $\begin{array}{llllllllllll}1000 & 823.1413 & 0.005656 & 0.049786 & 0.02715 & 0.044668 & 3.361296 & 3.02752 & 0.018793\end{array}$ $\begin{array}{lllllllllll}1000 & 844.7162 & 0.008494 & 0.053126 & 0.057647 & 0.057584 & 3.7277777 & 3.990325 & 0.021677\end{array}$ $\begin{array}{lllllllll}1000 & 1355.153 & 0.006074 & 0.072735 & 0.083726 & 0.059459 & 4.642025 & 4.456776 & 0.010294\end{array}$ $\begin{array}{lllllllll}1000 & 1038.849 & 0.006568 & 0.063042 & 0.051207 & 0.05379 & 3.845864 & 3.856597 & 0.014046 \\ 1000 & 916.6377 & 0.003637 & 0.04579 & 0.074328 & 0.059461 & 4.432084 & 3.905216 & 0.00713\end{array}$ $\begin{array}{llllllllllll}1000 & 958.7189 & 0.005053 & 0.044903 & 0.023287 & 0.041139 & 2.777737 & 3.01019 & 0.004182\end{array}$ $\begin{array}{llllllllll}1000 & 1016.01 & 0.008067 & 0.068378 & 0.033805 & 0.061769 & 4.005572 & 4.108602 & 0.00607\end{array}$ $\begin{array}{llllllllllll}1000 & 1038.673 & 0.009541 & 0.065047 & 0.050537 & 0.060513 & 4.812117 & 4.194778 & 0.004595\end{array}$


| 10.912 | 103.01 | 166.03 | 117.04 | 195.12 | 8016.69 | 139670.9 | 162.03 | 79.01 | 8 | 96.01 | 5248.14 | 48187.35 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.2458 | 170.03 | 148.02 | 111.04 | 140.06 | 6881.4 | 120978 | 176.03 | 84.01 | 23 | 75.01 | 5330.09 | 39947.81 |  |
| 111.5797 | 94.01 | 189.04 | 113.04 | 160.08 | 8205.11 | 106905.4 | 160.03 | 74.01 | 18 | 81.01 | 5260.28 | 44469.92 |  |
| 111.914 | 121.02 | 172.03 | 177.1 | 179.1 | . 25 | 159670.2 | 166.03 | 98.01 | 15 | 85.01 | 83 | 45544.06 |  |
| 112.2478 | 133.02 | 207.04 | 116.04 | 85.11 | 8164.04 | 158706.1 | 174.03 | 102.01 | 14 | 101.01 | 4946.79 | 43993.6 |  |
| 112.5816 | 134.02 | 191.04 | 124.05 | 185.11 | 7731.85 | 119433.4 | 153.03 | 106.01 | 14 | 111.01 | 5412.05 | 46783.14 |  |
| 112.916 | 114.01 | 136.02 | 158.08 | 170.09 | 7007.84 | 118180.9 | 167.03 | 114.01 | 18 | 97.01 | 5228.92 | 44937.84 |  |
| 113.2498 | 78.01 | 171.03 | 117.04 | 187.11 | 9133.6 | 118618.3 | 178.03 | 119.02 | 18 | 92.01 | 4896.25 | 41111.18 |  |
| 113.5836 | 115.01 | 139.02 | 123.05 | 188.11 | 7892.6 | 122290.1 | 180.03 | 110.01 | 9 | 136.02 | 5390.8 | 40042.64 |  |
| 113.91 | 123.02 | 147.02 | 210.14 | 2.08 | 1.7 | 118876 | 185.04 | 129.02 | 13 | 159. | 16.3 | 40847. |  |
| 114.2518 | 118.01 | 139.02 | 153.07 | 182.1 | 9307.43 | 139822.4 | 188.0 | 141.02 | 6 | 136.0 | 4735.56 | 44018.9 |  |
| 114.585 | 119.01 | 158. | 146.07 | 179.1 | 6828.13 | 145393.7 | 145.02 | 159.03 | 8 | 121.02 | 5093.4 | 40110.25 |  |
| 114.9199 | 91.01 | 154.02 | 149.07 | 203.13 | 7781.21 | 135404.5 | 138.02 | 160.03 | 12 | 146.02 | 5156.1 | 47129.38 |  |
| 115.2538 | 108.01 | 136.02 | 135.06 | 189.11 | 7296.63 | 145341.8 | 140.02 | 170.03 | 24 | 122.02 | 4953.87 | 42777.16 |  |
| 115.5876 | 123.02 | 158.03 | 37.06 | 215.15 | 6975.44 | 146561.6 | 163.03 | 156.03 | 26 | 121.02 | 4714.34 | 42006.93 |  |
| 115.9219 | 116.0 | 155.0 | 167.09 | 205.13 | 7208.68 | 135788.7 | 171.03 | 110.01 | 21 | 136.02 | 5828.15 | 41200.78 |  |
| 116.2557 | 110.01 | 129.02 | 156.08 | 185.11 | 8624.85 | 119387.1 | 147.02 | 99.01 | 16 | 95.01 | 4571.89 | 41538.61 |  |
| 116.5896 | 97.01 | 130.02 | 167.09 | 192.12 | 6944.08 | 135200.2 | 169.03 | 120.02 | 22 | 100.01 | 5456.58 | 40771.47 |  |
| 116.9249 | 153.02 | 154.02 | 143.06 | 173.09 | 6931.55 | 105899.4 | 213.05 | 117.01 | 16 | 127.02 | 4679.98 | 45478.98 |  |
| 117.2588 | 118.01 | 123.02 | 163.08 | 217.15 | 7627.92 | 137938.6 | 167.03 | 142.02 | 15 | 129.02 | 5045.87 | 45042.49 |  |
| 117.5926 | 131.02 | 163.03 | 145.07 | 33.17 | 8341.04 | 147298.6 | 142.02 | 137.02 | 17 | 125.02 | 5209.7 | 38158.14 |  |
| 117.9269 | 123.02 | 138.02 | 166.09 | 188.11 | 8837.25 | 115959.1 | 146.02 | 149.02 | 20 | 150.02 | 4653.72 | 41348.36 |  |
| 118.2607 | 125.02 | 125.02 | 180.1 | 179.1 | 7071.62 | 118152.5 | 174.03 | 115.01 | 21 | 94.01 | 4753.74 | 40639.38 |  |
| 118.5946 | 143.02 | 144.02 | 136.06 | 199.13 | 7014.11 | 130211.8 | 170.03 | 120.02 | 26 | 152.03 | 4791.13 | 41305.71 |  |
| 118.9289 | 141.02 | 154.02 | 149.07 | 170.09 | 7956.73 | 123459.2 | 175.03 | 134.02 | 27 | 145.02 | 4621.39 | 45100.88 |  |
| 119.2627 | 1.02 | 130.02 | 178.1 | 0.07 | 8169.3 | 206000.9 | 75.03 | 158.03 | 11 | 149.02 | 5609.42 | 41980.66 |  |
| 119.5965 | 189.04 | 125.02 | 128.05 | 229.17 | 7695.1 | 134846 | 160.03 | 171.03 | 29 | 140.02 | 4966 | 47544.54 |  |
| 119.9309 | 181.03 | 119.01 | 128.05 | 209.14 | 7309.2 | 128876.8 | 164.03 | 152.03 | 33 | 143.02 | 5401.93 | 47834.79 |  |
| 120.2647 | 208.05 | 123.02 | 140.06 | 218.15 | 8219.85 | 127136.3 | 166.03 | 135.02 | 25 | 121.02 | 5782.57 | 43207.19 |  |
| 120.5985 | 207.04 | 131.02 | 133.06 | 173.09 | 6758.19 | 134596.4 | 146.02 | 119.02 | 18 | 137.02 | 5258.26 | 43263.17 |  |
| 120.9329 | 209.05 | 142.02 | 128.05 | 196.12 | 7746.55 | 138418.3 | 157.03 | 127.02 | 22 | 145.0 | 4756.7 | 42489.96 |  |
| 121.2667 | 224.05 | 153.02 | 167.09 | 5.28 | 7624.77 | 122400.2 | 79.03 | 44.02 | 27 | 151.0 | 5214.7 | 48129.68 |  |
| 121.6005 | 227.05 | 106.01 | 183.11 | 186.11 | 8657.59 | 121692 | 154.03 | 157.03 | 23 | 166.03 | 5476.82 | 43681.56 |  |
| 121.9348 | 169.03 | 166.03 | 158.08 | 211.14 | 8722.03 | 145593.1 | 140.02 | 178.03 | 19 | 177.03 | 5769.41 | 45257.38 |  |
| 122.2687 | 169.03 | 138.02 | 168.09 | 204.13 | 8280.96 | 146165.6 | 169.03 | 224.05 | 27 | 190.04 | 6717.3 | 49203.21 |  |
| 122.6025 | 212.05 | 136.02 | 176.1 | 195.12 | 8124.03 | 149994.3 | 159.03 | 215.05 | 44 | 204.05 | 5299.74 | 43068.93 |  |
| 122.9368 | 155.03 | 128.02 | 174.1 | 254.2 | 7907.32 | 132814.5 | 181.0 | 225.05 | 33 | 196. | 5112.61 | 47200.21 |  |
| 123.2707 | 164.03 | 155.03 | 126.05 | 34.17 | 8534.06 | 124005.4 | 167.03 | 209.05 | 27 | 188.0 | 5854.49 | 40740.9 |  |
| 123.605 | 108.01 | 130.02 | 199.13 | 227.16 | 7849.5 | 113768.8 | 196.04 | 282.09 | 31 | 207.05 | 5998.34 | 48019.91 |  |
| 123.9388 | 134.02 | 163.03 | 188.11 | 275.24 | 8137.72 | 131651.1 | 239.06 | 239.06 | 45 | 210.05 | 5678.27 | 44916.91 |  |
| 124.2726 | 149.02 | 140.02 | 142.06 | 207.14 | 8393.75 | 125694.7 | 195.04 | 208.05 | 44 | 169.03 | 5542.61 | 49649.09 |  |
| 124.607 | 129.02 | 139.02 | 200.13 | 203.13 | 9153.73 | 170036.9 | 226.06 | 209.05 | 40 | 185.04 | 5099.46 | 43419.06 |  |
| 124.9418 | 117.01 | 154.02 | 199.13 | 248.19 | 8132.45 | 134296.6 | 236.06 | 201.04 | 39 | 190.0 | 5481.88 | 45281.63 |  |
| 125.2757 | 148.02 | 130.02 | 218.15 | 270.23 | 7857.9 | 113314.9 | 255.07 | 221.05 | 29 | 183.04 | 5401.93 | 47630.93 |  |
| 125.61 | 146.02 | 137.02 | 177.1 | 292.27 | 7630.01 | 130716.1 | 215.05 | 202.04 | 35 | 180.04 | 5585.13 | 44630.61 |  |
| 125.9438 | 118.01 | 165.03 | 219.15 | 204.13 | 7383.58 | 128576 | 236.06 | 214.05 | 50 | 157.03 | 5782.57 | 49154.3 |  |
| 126.2776 | 142.02 | 123.02 | 190.11 | 215.15 | 6528.72 | 126516.8 | 216.05 | 183.04 | 21 | 165.03 | 5682.32 | 40495.3 |  |
| 126.612 | 136.02 | 144.02 | 126.05 | 206.13 | 7564.96 | 111027 | 228.06 | 160.03 | 36 | 169.03 | 5253.2 | 46077.06 |  |
| 126.9458 | 114.01 | 150.02 | 145.07 | 263.22 | 8211.43 | 135761 | 247.07 | 184.04 | 20 | 167.03 | 5037.78 | 42595.16 |  |
| 127.2796 | 125.02 | 147.02 | 185.11 | 227.16 | 9413.51 | 119914.5 | 213.05 | 157.03 | 23 | 155.03 | 5247.13 | 43167.68 |  |
| 127.614 | 135.02 | 149.02 | 161.08 | 262.22 | 7821.13 | 136845.4 | 219.05 | 138.02 | 28 | 160.03 | 5701.56 | 46422.79 |  |
| 127.9478 | 125.02 | 133.02 | 165.09 | 191.12 | 7218.1 | 135168.7 | 255.07 | 143.02 | 27 | 145.02 | 5144.97 | 45565.01 |  |
| 128.2816 | 146.02 | 146.02 | 143.06 | 198.12 | 7447.51 | 141243.3 | 201.04 | 125.02 | 36 | 122.02 | 5229.93 | 41493.77 |  |
| 128.6159 | 160.03 | 119.01 | 194.12 | 174.1 | 7100.91 | 148006.7 | 187.04 | 151.02 | 27 | 142.02 | 4885.13 | 43501.41 |  |
| 128.9498 | 144.02 | 142.02 | 158.08 | 282.25 | 8255.67 | 129921.3 | 177.03 | 157.03 | 24 | 121.02 | 4832.57 | 38475.32 |  |
| 129.2836 | 158.03 | 92.01 | 111.04 | 190.11 | 7337.48 | 135638.7 | 174.03 | 177.03 | 26 | 126.02 | 4831.56 | 43278.54 |  |
| 129.6179 | 118.01 | 177.03 | 138.06 | 174.1 | 7180.42 | 113730.3 | 200.04 | 170.03 | 28 | 128.02 | 5039.8 | 42904.38 |  |
| 129.9517 | 132.02 | 132.02 | 166.09 | 216.15 | 7365.77 | 111272.6 | 160.03 | 163.03 | 23 | 170.03 | 4822.46 | 41918.2 |  |
| 130.2856 | 149.02 | 139.02 | 150.07 | 8.12 | 7538.74 | 111044.7 | 173.03 | 161.03 | 23 | 151.02 | 4991.27 | 47995.52 |  |
| 130.6199 | 99.01 | 146.02 | 175.1 | 202.13 | 7203.45 | 123824.4 | 162.03 | 163.03 | 23 | 108.01 | 4909.39 | 44482.02 |  |
| 130.9537 | 114.01 | 126.02 | 141.06 | 180.1 | 7384.63 | 111506.3 | 183.04 | 146.02 | 11 | 105.01 | 4980.15 | 41936.87 |  |
| 131.2876 | 99.01 | 155.03 | 130.05 | 176.1 | 9568.53 | 132619.8 | 157.03 | 102.01 | 15 | 123.02 | 5073.17 | 41740.98 |  |
| 131.6219 | 99.01 | 126.02 | 109.04 | 179.1 | 8648.09 | 138957.8 | 171.03 | 111.01 | 10 | 108.01 | 5136.88 | 43933.2 |  |
| 131.9557 | 111.01 | 131.02 | 124.05 | 146.07 | 7815.8 | 113781 | 161.03 | 89.01 | 12 | 94.01 | 6895.95 | 47109.46 |  |

$0.0536820 .360345 \quad 0.3086690 .368069$ $\begin{array}{llll}0.145371 & 0.367326 & 0.340874 & 0.288409\end{array}$ $\begin{array}{llllll}0.043121 & 0.408302 & 0.291106 & 0.284683\end{array}$ $\begin{array}{llllll}0.075184 & 0.38771 & 0.485077 & 0.343968\end{array}$ $\begin{array}{lllll}0.083974 & 0.454568 & 0.300465 & 0.339911 \\ 0.089769 & 0.438487 & 0.339521 & 0.358915\end{array}$ $\begin{array}{llll}0.089769 & 0.438487 & 0.339521 & 0.358915 \\ 0.074762 & 0.326358 & 0.478932 & 0.358397\end{array}$ $\begin{array}{lllll}0.023839 & 0.3227248 & 0.478932 & 0.350916 & 0.307663\end{array}$ $\begin{array}{llllll}0.067457 & 0.297387 & 0.329882 & 0.358273\end{array}$ $\begin{array}{llllll}0.06949 & 0.290165 & 0.517778 & 0.274356\end{array}$
 $\begin{array}{llllll}0.042192 & 0.340302 & 0.406444 & 0.397273\end{array}$ $\begin{array}{llllllll}0.064809 & 0.313438 & 0.392194 & 0.389948\end{array}$ $\begin{array}{llllllll}0.086095 & 0.39115 & 0.416417 & 0.473413\end{array}$ $\begin{array}{lllll}0.075038 & 0.370146 & 0.492437 & 0.433701\end{array}$ $\begin{array}{llll}0.056798 & 0.248885 & 0.38414 & 0.321746 \\ & 054628 & 0.312029 & 0.511206\end{array}$ $\begin{array}{llll}0.054628 & 0.312029 & 0.511206 & 0.417356 \\ 0.123449 & 0.382026 & 0.437651 & 0.369937\end{array}$ $\begin{array}{llllllll}0.073143 & 0.265647 & 0.454072 & 0.437509\end{array}$ $\begin{array}{lllll}0.080153 & 0.339117 & 0.368857 & 0.433796\end{array}$ $\begin{array}{llllll}0.067953 & 0.263323 & 0.399239 & 0.319968\end{array}$ $0.0873290 .2922210 .541509 \quad 0.37752$ $\begin{array}{lllll}0.10987 & 0.348939 & 0.411058 & 0.430725\end{array}$ 0.0947130 .3327930 .3974770 .315646 $\begin{array}{lllll}0.102539 & 0.265221 & 0.46347 & 0.264431 \\ 0.151005 & 0.268539 & 0.35231 & 0.461097\end{array}$ $0.14966 \quad 0.266232 \quad 0.370915 \quad 0.437362$ $\begin{array}{lllll}0.161031 & 0.246513 & 0.361202 & 0.408131\end{array}$ $\begin{array}{lllll}0.194597 & 0.323581 & 0.417091 & 0.379429\end{array}$ $\begin{array}{llllll}0.17197 & 0.310761 & 0.349969 & 0.383172\end{array}$ $\begin{array}{llll}0.191448 & 0.344655 & 0.465558 & 0.617488\end{array}$ $\begin{array}{lllll}0.171551 & 0.194649 & 0.449759 & 0.322556\end{array}$ $\begin{array}{llll}0.113712 & 0.331198 & 0.384785 & 0.370525 \\ 0.11977 & 0.281016 & 0.431253 & 0.375411\end{array}$ $\begin{array}{llllll}0.167118 & 0.281509 & 0.460767 & 0.363205\end{array}$ $\begin{array}{llllll}0.110373 & 0.268938 & 0.467964 & 0.504261\end{array}$ $\begin{array}{llllllll}0.111235 & 0.312648 & 0.312633 & 0.426038\end{array}$ $\begin{array}{llllllll}0.060243 & 0.276029 & 0.539916 & 0.447532\end{array}$ $\begin{array}{llll}0.085291 & 0.347592 & 0.491697 & 0.535347\end{array}$ $\begin{array}{llll}0.097887 & 0.282017 & 0.358836 & 0.376658\end{array}$ $\begin{array}{llll}0.071177 & 0.256408 & 0.46532 & 0.337694\end{array}$ $01034810275733 \quad 0591338 \quad 0.543227$ $\begin{array}{lllll}0.104343 & 0.302368 & 0.493423 & 0.610142\end{array}$ $\begin{array}{llllll}0.075564 & 0.388534 & 0.632245 & 0.421049\end{array}$ 0.1167380 .3103840 .6194910 .005814 $\begin{array}{lllllllll}0.093999 & 0.323524 & 0.352692 & 0.41559\end{array}$ $\begin{array}{llll}0.063801 & 0.3127 & 0.37468 & 0.504856\end{array}$ $\begin{array}{llll}0.065599 & 0.266371 & 0.4182 & 0.373162\end{array}$ 0.085320 .3257450 .4373590 .527812 $\begin{array}{lllll}106901 & 0.334013 & 0.407324 & 0.403274\end{array}$ $\begin{array}{lllll}0.1289 & 0.274043 & 0.581692 & 0.363607\end{array}$ 0.0943740 .2915930 .4065270 .542596 $\begin{array}{llllllllll} & 0.122424 & 0.191416 & 0.319681 & 0.390167\end{array}$ $\begin{array}{lllll}0.077702 & 0.433043 & 0.407519 & 0.35958\end{array}$ $\begin{array}{lllll}0.091923 & 0.299606 & 0.479016 & 0.450701\end{array}$ $\begin{array}{lllll}0.45991 & 0.31135 & 0.42237 & 0.398392\end{array}$ $\begin{array}{lllllll}0.070947 & 0.282547 & 0.404974 & 0.363891\end{array}$ $\begin{array}{llllll}0.041419 & 0.278841 & 0.287808 & 0.273487\end{array}$ $\begin{array}{llllll}0.045829 & 0.24126 & 0.266255 & 0.308687\end{array}$ $\begin{array}{llllll}0.063767 & 0.279782 & 0.335869 & 0.267411\end{array}$

$\begin{array}{llllllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786\end{array}$ $\begin{array}{lllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786 \\ 1000 & 1030.703 & 0.005724 & 0.069542 & 0.111281 & 0.046729 & 4.411835 & 3.945086 & 0.005952 \\ 100 & 763.7365 & 0.00273 & 0.051261 & 0.072176 & 0.04627 & 3.550583 & 3.38027 & 0.00686\end{array}$ $\begin{array}{lllllllll}1000 & 1206.393 & 0.003706 & 0.0572105 & 0.072176 & 0.044628 & 0.6505058 & 3.683027 & 0.00686 \\ 10.051013 & 3.829933 & 3.987757 & 0.004487\end{array}$ $\begin{array}{lllllllll}1000 & 1139.93 & 0.004564 & 0.071385 & 0.055535 & 0.051013 & 0.82639933 & 3.987757 & 0.004487 \\ 10.446269 & 3.661917 & 0.003515\end{array}$ $\begin{array}{llllllll}1000 & 905.5828 & 0.001935 & 0.078373 & 0.05864 & 0.076215 & 3.987927 & 4.11183 \\ 0.002918\end{array}$ $\begin{array}{lllllllll}1000 & 988.6773 & 0.004257 & 0.093085 & 0.08451 & 0.069234 & 4.248488 & 4.3578 & 0.006282 \\ 1000 & 7613368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 761.3368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 908.375 & 0.005528 & 0.079712 & 0.03546 & 0.098228 & 3.891071 & 3.447692 & 0.011792\end{array}$ $\begin{array}{lllllllll}1000 & 886.428 & 0.005664 & 0.085542 & 0.048449 & 0.109513 & 3.101087 & 3.212075 & 0.007577 \\ 1080.8056 & 0.005601 & 0.08689 & 0.018883 & 0.083294 & 2.891213 & 3.21382 & 0.0044\end{array}$ $\begin{array}{lllllllll}1000 & 1248.595 & 0.000946 & 0.133727 & 0.086735 & 0.097208 & 4.245227 & 3.992039 & 0.006896\end{array}$ $\begin{array}{llllllllll}1000 & 1020.289 & -0.00013 & 0.118088 & 0.049348 & 0.109192 & 3.771862 & 4.11598 & 0.005264\end{array}$ $\begin{array}{llllllllllll}1000 & 1167.989 & 0.000158 & 0.133871 & 0.109703 & 0.091984 & 3.861684 & 3.984044 & 0.003093\end{array}$ $\begin{array}{llllllllll}1000 & 1232.046 & 0.003667 & 0.128411 & 0.124706 & 0.095154 & 3.840393 & 4.092499 & 0.004114\end{array}$ $\begin{array}{lllllllll}1000 & 1104.47 & 0.004727 & 0.087276 & 0.096598 & 0.10755 & 4.612181 & 3.884053 & 0.005682 \\ 1000 & 811.466 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.01025 & 327279 & 0.003682\end{array}$ $\begin{array}{lllllllll}1000 & 811.486 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.010025 & 3.27279 & 0.003682 \\ 1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574\end{array}$ $\begin{array}{lllllllll}1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574 \\ 1000 & 895.5792 & 0.011353 & 0.096616 & 0.075427 & 0.102195 & 3.835968 & 4.45883 & 0.006351\end{array}$ $\begin{array}{llllllllll}1000 & 1060.293 & 0.00391 & 0.106786 & 0.063989 & 0.094813 & 3.763873 & 4.012791 & 0.006575\end{array}$ $\begin{array}{llllllllll}1000 & 1035.477 & 0.000392 & 0.094182 & 0.066839 & 0.083139 & 3.555916 & 3.108759 & 0.00785\end{array}$ $\begin{array}{lllllllllll}1000 & 769.2149 & 0.000851 & 0.096758 & 0.074866 & 0.099507 & 2.991364 & 3.179485 & 0.007409\end{array}$ $\begin{array}{lllllllll}1000 & 979.5221 & 0.005269 & 0.093064 & 0.098471 & 0.065454 & 3.82046 & 3.9054 & 0.005792\end{array}$ | 1000 | 1088.455 | 0.004707 | 0.097965 | 0.124019 | 0.12751 | 3.882708 | 4.00199 | 0.007588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 909.675 & 0.004816 & 0.096548 & 0.1113685 & 0.105878 & 3.29891 & 3.851913 & 0.005148\end{array}$ $\begin{array}{lllllllll}1000 & 1478.939 & 0.004691 & 0.111059 & 0.042755 & 0.106735 & 3.914445 & 3.492105 & 0.00689 \\ 1000 & 1027.449 & 0.00291 & 0.12769 & 0.126571 & 0.104616 & 3.670812 & 4.198713 & 0.008908\end{array}$ $\begin{array}{lllllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 & 0.004765\end{array}$ $\begin{array}{llllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 \\ 1000 & 906.8016 & 0.0035 & 0.094162 & 0.101601 & 0.080746 & 4.012529 & 3.572027 \\ 0.007593\end{array}$ $\left.\begin{array}{llllllll}1000 & 1167.758 & 0.001113 & 0.100818 & 0.087633 & 0.08115821 & 4.430648 & 4.350418\end{array}\right) .0005607$ $\begin{array}{lllllllll}1000 & 1047.686 & 0.00248 & 0.093934 & 0.09437 & 0.108721 & 3.489795 & 3.727402 & 0.0054496\end{array}$ $\begin{array}{lllllllll}1000 & 941.1382 & 0.005583 & 0.108349 & 0.118635 & 0.11631 & 3.893886 & 4.289603 & 0.0097994 \\ 1000 & 824.0397 & 0.001851 & 0.104125 & 0.088446 & 0.115325 & 3.60483 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 824.0397 & 0.001851 & 0.104125 & 0.0888446 & 0.115325 & 3.604803 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 978.7613 & 0.000132 & 0.117302 & 0.071876 & 0.123852 & 3.772706 & 3.526057 & 0.00575 \\ 1000 & 1034.962 & 0.003858 & 0.155741 & 0.109233 & 0.142134 & 4.637519 & 4.037715 & 0.006427\end{array}$ $\begin{array}{llllllllll}1000 & 1082.615 & 0.002626 & 0.152333 & 0.183965 & 0.157705 & 3.715198 & 3.602601 & 0.006928\end{array}$ $\begin{array}{lllllllllll}1000 & 984.7912 & 0.005653 & 0.163834 & 0.140729 & 0.154494 & 3.679797 & 4.056408 & 0.007893\end{array}$ $\begin{array}{llllllllll}1000 & 851.878 & 0.003495 & 0.14094 & 0.105992 & 0.136175 & 3.913636 & 3.244094 & 0.011265\end{array}$ $\begin{array}{lllllllll}1000 & 849.6564 & 0.007724 & 0.207133 & 0.132923 & 0.166064 & 4.361304 & 4.157261 & 0.0142\end{array}$ $\begin{array}{lllllllll}1000 & 948.5133 & 0.013063 & 0.169167 & 0.18792 & 0.162923 & 3.978705 & 3.750861 & 0.010683\end{array}$ $\begin{array}{llllllllll}1000 & 877.9314 & 0.007097 & 0.142606 & 0.178052 & 0.121609 & 3.763591 & 4.019546 & 0.009999\end{array}$ $\begin{array}{lllllllll}1000 & 1089.298 & 0.010105 & 0.131397 & 0.148102 & 0.124517 & 3.170311 & 3.223259 & 0.011841 \\ 1000 & 968.2181 & 0.01268 & 0.142196 & 0.162437 & 0.14473 & 3.841237 & 3.783769 & 0.012952\end{array}$ $\begin{array}{lllllllllll}1000 & 845.25571 & 0.015692 & 0.161916 & 0.123948 & 0.143163 & 3.916467 & 4.11917 & 0.008723\end{array}$ $\begin{array}{lllllllll}1000 & 1004.452 & 0.010592 & 0.152322 & 0.154942 & 0.144516 & 4.172721 & 3.975007 & 0.006573\end{array}$ $\begin{array}{llllllllll}1000 & 1020.974 & 0.013967 & 0.166828 & 0.23062 & 0.126164 & 4.467101 & 4.524065 & 0.011359\end{array}$ $\begin{array}{lllllllll}1000 & 1136.185 & 0.012542 & 0.161165 & 0.106662 & 0.151801 & 4.963122 & 4.215248 & 0.006743\end{array}$ $\begin{array}{llllllllll}1000 & 860.3527 & 0.012509 & 0.121465 & 0.160862 & 0.134935 & 3.954148 & 4.139133 & 0.006225\end{array}$ $\begin{array}{lllllllll}1000 & 969.3694 & 0.013982 & 0.128837 & 0.088573 & 0.122498 & 3.490637 & 3.52504 & 0.003868\end{array}$ $\begin{array}{lllllllll}1000 & 746.7746 & 0.008359 & 0.095762 & 0.081342 & 0.097373 & 3.173777 & 3.116145 & 0.005653\end{array}$ $\begin{array}{lllllllll}1000 & 1025.892 & 0.010876 & 0.101185 & 0.120094 & 0.121956 & 4.157065 & 4.033571 & 0.005237 \\ 1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 & 0.00525\end{array}$ $\begin{array}{llllllll}1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 \\ 1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 0.003442\end{array}$ $\begin{array}{rlllllll}1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 10.003442 \\ 1000 & 1222.215 & 0.007193 & 0.122055 & 0.12739 & 0.115467 & 3.912007 & 4.163196\end{array}$ $\begin{array}{lllllllll}1000 & 922.6626 & 0.004899 & 0.109195 & 0.096956 & 0.080395 & 3.327776 & 3.167022 & 0.005332\end{array}$ | 1000 | 1083.879 | 0.005078 | 0.138652 | 0.118552 | 0.095526 | 3.743507 | 4.008295 | 0.006 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 928.534 & 0.009036 & 0.136039 & 0.130812 & 0.099687 & 3.993602 & 4.060579 & 0.008266\end{array}$ $\begin{array}{lllllllll}1000 & 885.5814 & 0.003041 & 0.12711 & 0.103961 & 0.139594 & 3.721961 & 3.867395 & 0.010138\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 863.4832 & 0.004802 & 0.122656 & 0.101575 & 0.117638 & 3.766406 & 4.326472 & 0.00584 \\ 1000 & 1007.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 10077.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984 \\ 1000 & 885.1764 & 0.006341 & 0.113442 & 0.047299 & 0.073757 & 3.836293 & 3.859227 & 0.002641\end{array}$ $\begin{array}{lllllllll}1000 & 812.5939 & 0.002008 & 0.060905 & 0.051009 & 0.070917 & 3.016918 & 2.964329 & 0.002679\end{array}$ $\begin{array}{lllllllllll}1000 & 942.1062 & 0.00394 & 0.073417 & 0.036375 & 0.065559 & 3.380806 & 3.452158 & 0.005445\end{array}$ $\begin{array}{llllllll}1000 & 853.4041 & 0.003001 & 0.064931 & 0.049129 & 0.05922 & 5.046094 & 4.095986\end{array} 0.002887$


$0.044437 \quad 0.312571 \quad 0.3427810 .308624$ $\begin{array}{llll}0.046762 & 0.336857 & 0.370035 & 0.340106 \\ 0.068011 & 0.326076 & 0.3969 & 0.52308\end{array}$ $\begin{array}{lllll}0.056868 & 0.342325 & 0.41955 & 0.330288\end{array}$ $\begin{array}{lllllll}0.078507 & 0.267993 & 0.465506 & 0.383965\end{array}$ $\begin{array}{llllll}0.074248 & 0.277665 & 0.365257 & 0.264165\end{array}$ $\begin{array}{lllll}0.087761 & 0.317996 & 0.424742 & 0.470755\end{array}$ $\begin{array}{llll}0.059405 & 0.282427 & 0.468836 & 0.42556\end{array}$ $\begin{array}{llll}0.046608 & 0.266311 & 0.351871 & 0.356288 \\ 0.051645 & 0.316809 & 0.524103 & 0.406413\end{array}$ $\begin{array}{lllll}0.065676 & 0.387286 & 0.445211 & 0.500101\end{array}$ $\begin{array}{llllll}0.082519 & 0.344969 & 0.397571 & 0.513949\end{array}$ $\begin{array}{llllll}0.108877 & 0.367639 & 0.382537 & 0.708788\end{array}$ $\begin{array}{lllll}0.089773 & 0.322717 & 0.456213 & 0.468827\end{array}$ 0.0665620 .3295210 .5005860 .677443 $\begin{array}{llll}0.072219 & 0.297353 & 0.567465 & 0.38169\end{array}$ $\begin{array}{llll}0.08197 & 0.334285 & 0.572469 & 0.524167 \\ 0.107833\end{array}$ $\begin{array}{llll}0.10883 & 0.422019 & 0.598455 & 0.517814 \\ 0.048601 & 0.404893 & 0.56953 & 0.693092\end{array}$ $\begin{array}{llll}0.058346 & 0.291126 & 0.48466 & 0.418928\end{array}$ $\begin{array}{llll}0.050163 & 0.257065 & 0.567555 & 0.400535\end{array}$ $\begin{array}{llllll}0.094217 & 0.293535 & 0.455265 & 0.65651\end{array}$ $\begin{array}{lllll}0.071373 & 0.413759 & 0.733668 & 0.504353\end{array}$ $\begin{array}{lllll}0.069974 & 0.325375 & 0.57928 & 0.443203\end{array}$ $\begin{array}{llll}0.092585 & 0.294887 & 0.786703 & 0.463063\end{array}$ $\begin{array}{llll}0.076388 & 0.195029 & 0.507872 & 0.4513 \\ 0.108478 & 0.391038 & 0.697866 & 0.520909\end{array}$ $\begin{array}{llll}0.078621 & 0.416351 & 0.454281 & 0.578721\end{array}$ $\begin{array}{llllll}0.084047 & 0.327839 & 0.551684 & 0.541032\end{array}$ $\begin{array}{lllll}0.090689 & 0.344969 & 0.768355 & 0.718153\end{array}$ $\begin{array}{llll}0.085384 & 0.29482 & 0.750217 & 0.409055\end{array}$ $\begin{array}{lllll}0.073679 & 0.263221 & 0.579498 & 0.62424\end{array}$ $\begin{array}{llll}0.073099 & 0.320249 & 0.635172 & 0.417421\end{array}$ $\begin{array}{llrr}0.053004 & 0.298549 & 0.55278 & 0.553536 \\ 0.144452 & 0.399464 & 0.750494 & 0.646404\end{array}$ $\begin{array}{llll}0.144452 & 0.399464 & 0.750494 & 0.645404 \\ 0.147509 & 0.283438 & 0.542936 & 0.647094\end{array}$ $\begin{array}{lllll}0.123596 & 0.883438 & 0.542936 & 0.647094 \\ 0.624061 & 0.618997\end{array}$ $\begin{array}{lllll}0.079763 & 0.195689 & 0.486438 & 0.749942\end{array}$ $\begin{array}{lllll}0.123407 & 0.349928 & 0.458067 & 0.532548\end{array}$ $\begin{array}{lllll}0.087468 & 0.384601 & 0.45797 & 0.778764\end{array}$ $\begin{array}{llll}0.137182 & 0.330022 & 0.623682 & 0.826923\end{array}$ $\begin{array}{llll}0.104886 & 0.367212 & 0.947521 & 0.802826 \\ 0.1368\end{array}$ $\begin{array}{lllll}0.114237 & 0.277753 & 1.077965 & 0.422333 \\ 0\end{array}$ $\begin{array}{lllll}0.145731 & 0.306307 & 0.579653 & 0.759567\end{array}$ $\begin{array}{lllll}0.106197 & 0.323544 & 0.753855 & 0.664579\end{array}$ $\begin{array}{llllll}0.084714 & 0.292601 & 0.715029 & 0.664531\end{array}$ 0.0878470 .3046850 .7324390 .751661 $\begin{array}{llll}0.100183 & 0.266213 & 0.820922 & 0.675898\end{array}$ $\begin{array}{llll}0.081279 & 0.38997 & 0.949931 & 0.903547\end{array}$ $\begin{array}{llll}0.106233 & 0.302203 & 0.554148 & 0.747692 \\ 0\end{array}$ $\begin{array}{llll}0.113736 & 0.314435 & 0.756194 & 0.6886429\end{array}$ 0.1505040 .3406050 .8156540 .870402 $\begin{array}{llllll}0.127428 & 0.304201 & 0.691778 & 0.68899\end{array}$ $\begin{array}{lllllll}0.178187 & 0.359958 & 0.820624 & 0.721558\end{array}$ $\begin{array}{lllll}0.093498 & 0.339944 & 0.966806 & 0.850388\end{array}$ $\begin{array}{llll}0.193156 & 0.421763 & 1.188669 & 0.876418\end{array}$ $\begin{array}{llll}0.137766 & 0.333697 & 0.651909 & 0.709143 \\ 0.134618 & 0.270548 & 0.698365 & 0.635313\end{array}$ $\begin{array}{lllll}0.134618 & 0.270548 & 0.698365 & 0.635313 \\ 0.139768 & 0.38192 & 0.725671 & 0.63301\end{array}$ $\begin{array}{lllll}0.135768 & 0.38192 & 0.725671 & 0.63301 \\ 0.168121 & 0.36959 & 1.063112 & 1.243994\end{array}$ $\begin{array}{lllll}0.089243 & 0.260714 & 0.65309 & 0.663478\end{array}$ 0.1056030 .4238720 .8301331 .209013
$\begin{array}{lllllllllllllllllllll}1000 & 840.3494 & 0.000383 & 0.057415 & 0.065311 & 0.041154 & 3.623085 & 3.701606 & 0.02284\end{array}$ $\begin{array}{llllllll}1000 & 1061.045 & 0.003464 & 0.071077 & 0.066098 & 0.080807 & 4.369445 & 3.86114\end{array} 0.00032056$ $\begin{array}{lllllllll}1000 & 915.0597 & 0.00626 & 0.074844 & 0.058606 & 0.083265 & 3.64233 & 4.01798 & 0.004182 \\ 1000 & 805.2487 & 0.006299 & 0.073032 & 0.072776 & 0.078774 & 3.965154 & 4.079849 & 0.00511\end{array}$ $\begin{array}{llllllllll}1000 & 784.7264 & 0.005287 & 0.081616 & 0.038562 & 0.051922 & 3.565576 & 3.521751 & 0.002491\end{array}$ $\begin{array}{llllllllll}1000 & 756.2541 & 0.006085 & 0.069283 & 0.064254 & 0.052317 & 3.554549 & 3.031669 & 0.004628\end{array}$ $\begin{array}{lllllllll}1000 & 1049.136 & 0.00736 & 0.10402 & 0.105341 & 0.0838843 & 4.595381 & 4.58908 & 0.008994\end{array}$ $\begin{array}{lllllllll}1000 & 1161.497 & 0.009502 & 0.118106 & 0.084861 & 0.086822 & 5.308292 & 4.725501 & 0.0004299 \\ 1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3257185 & 3833038 & 0.005326\end{array}$ $\begin{array}{lllllllll}1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3.257185 & 3.843038 & 0.005326 \\ 1000 & 915.8291 & 0.007943 & 0.06993 & 0.080999 & 0.09036 & 3.835892 & 4.223846 & 0.008767\end{array}$ $\begin{array}{lllllllll}1000 & 915.8255 & 0.007943 & 0.06993 & 0.080999 & 0.09076 & 3.835892 & 4.223846 & 0.008767 \\ 1000 & 976.8455 & 0.006504 & 0.101866 & 0.111171 & 0.079777 & 4.056693 & 4.131008 & 0.006966\end{array}$ $\begin{array}{llllllllll}1000 & 971.1109 & 0.005599 & 0.08445 & 0.089356 & 0.116674 & 3.899515 & 4.132749 & 0.005256\end{array}$ $\begin{array}{lllllllllll}1000 & 973.9524 & -0.00144 & 0.086831 & 0.099975 & 0.109076 & 4.746058 & 4.634094 & 0.005601\end{array}$ $\begin{array}{llllllllll}1000 & 871.2542 & 0.005707 & 0.081617 & 0.084865 & 0.091767 & 3.795049 & 3.931069 & 0.007233\end{array}$ $\begin{array}{lllllllllll}1000 & 769.8815 & 0.004008 & 0.094897 & 0.095265 & 0.08589 & 3.483721 & 3.731971 & 0.007819\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1087.01 & 0.009351 & 0.105956 & 0.087468 & 0.09178 & 3.881985 & 4.113441 & 0.007455 \\ 1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459 \\ 1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184\end{array}$ $\begin{array}{lllllllll}1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184 \\ 1000 & 1585.812 & 0.006972 & 0.109793 & 0.06852 & 0.112331 & 4.166565 & 4.054399 & 0.009787\end{array}$ $\begin{array}{lllllllllll}1000 & 669.7533 & 0.003889 & 0.090898 & 0.116451 & 0.105854 & 2.96478 & 3.005759 & 0.005712\end{array}$ $\begin{array}{lllllllll}1000 & 722.1542 & 0.006213 & 0.085484 & 0.062338 & 0.05342 & 3.380033 & 3.485522 & 0.006747\end{array}$ $\begin{array}{llllllll}1000 & 1017.45 & 0.005019 & 0.101303 & 0.063221 & 0.101846 & 4.198801 & 4.232066 \\ 0.0066436\end{array}$ $\begin{array}{lllllllll}1000 & 906.6995 & 0.006856 & 0.09953 & 0.106006 & 0.069929 & 3.702846 & 3.632989 & 0.010907\end{array}$ $\begin{array}{lllllllll}1000 & 861.3421 & 0.005527 & 0.084509 & 0.066461 & 0.069574 & 3.752558 & 3.261971 & 0.008241 \\ 1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.833342 & 3.956222 & 3.876826 & 0.007955\end{array}$ $\begin{array}{llllllll}1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.083342 & 3.956222 & 3.876826 \\ 10.007955 \\ 1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3567666\end{array}$ $\begin{array}{lllllllll}1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3.567666 & 0.005449 \\ 1000 & 1259.153 & 0.004301 & 0.085981 & 0.087286 & 0.094481 & 3.458067 & 4.621623 & 0.015092\end{array}$ $\begin{array}{lllllllllllll}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 & 0.007901\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 \\ 1000 & 985.29 & 0.007489 & 0.103127 & 0.12244 & 0.07221 & 3.652008 & 4.124948 \\ 0.010544\end{array}$ $\begin{array}{lllllllll}1000 & 1271.157 & 0.006054 & 0.102386 & 0.078339 & 0.087798 & 4.565835 & 4.936716 & 0.006229\end{array}$ $\begin{array}{lllllllll}1000 & 889.0004 & 0.005434 & 0.082683 & 0.082401 & 0.0877293 & 3.660402 & 4.141533 & 0.0093\end{array}$ $\begin{array}{llllllll}1000 & 827.6853 & 0.006054 & 0.07305 & 0.044586 & 0.059788 & 3.706969 & 3.819392\end{array} 0.0058233$ $\begin{array}{llllllll}1000 & 937.2945 & 0.008042 & 0.089423 & 0.054419 & 0.076084 & 4.096222 & 4.000774 \\ 0 & 0.007859\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1045.96 & 0.00779 & 0.070455 & 0.012365 & 0.060733 & 3.767958 & 3.66603 & 0.008326 \\ 1000 & 1212.542 & 0.009489 & 0.128837 & 0.09987 & 0.11521 & 5.148501 & 5.335056 & 0.015803\end{array}$ $\begin{array}{llllllllll}1000 & 901.0016 & 0.014762 & 0.087171 & 0.0979896 & 0.088232 & 3.744692 & 4.508962 & 0.011239\end{array}$ $\begin{array}{lllllllllll}1000 & 1041.753 & 0.008453 & 0.11327 & 0.069254 & 0.093831 & 3.878469 & 4.182264 & 0.010704\end{array}$ $\begin{array}{llllllllll}1000 & 828.9609 & 0.014728 & 0.083868 & 0.050257 & 0.049656 & 3.704146 & 3.957295 & 0.008278\end{array}$ $\begin{array}{lllllllll}1000 & 826.2644 & 0.013427 & 0.0722 & 0.087942 & 0.079845 & 4.020759 & 5.231754 & 0.01009\end{array}$ $\begin{array}{llllllllll}1000 & 1081.572 & 0.010193 & 0.106454 & 0.052125 & 0.077991 & 5.717274 & 4.325932 & 0.008534\end{array}$ $\begin{array}{lllllllll}1000 & 1158.809 & 0.012329 & 0.084835 & 0.098576 & 0.084475 & 4.699481 & 4.742884 & 0.01379\end{array}$ $\begin{array}{lllllllll}1000 & 988.9078 & 0.016678 & 0.074627 & 0.062399 & 0.080076 & 6.240697 & 5.281331 & 0.018293 \\ 1000 & 922.5537 & 0.009058 & 0.081265 & 0.041477 & 0.080484 & 3.695352 & 4.154507 & 0.004968\end{array}$
 $\begin{array}{lllllllll}1000 & 817.0579 & 0.010624 & 0.079742 & 0.089864 & 0.093718 & 4.073043 & 4.311346 & 0.008384\end{array}$ $\begin{array}{llllllllll}1000 & 1084.49 & 0.016402 & 0.072996 & 0.12106 & 0.079598 & 5.571624 & 4.230026 & 0.013644\end{array}$ $\begin{array}{llllllllll}1000 & 939.1421 & 0.011518 & 0.081843 & 0.087007 & 0.078445 & 3.872192 & 4.045657 & 0.014806\end{array}$ $\begin{array}{lllllllll}1000 & 1353.304 & 0.016413 & 0.128761 & 0.105702 & 0.121684 & 4.541174 & 5.740499 & 0.009451\end{array}$ $\begin{array}{llllllll}1000 & 8933.2644 & 0.012123 & 0.08505 & 0.090183 & 0.088859 & 3.445699 & 4.225009\end{array} 0.009967$ $\begin{array}{lllllllll}1000 & 812.2482 & 0.019665 & 0.11235 & 0.166888 & 0.121277 & 5.145005 & 4.401694 & 0.011258 \\ 1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055\end{array}$ $\begin{array}{lllllllll}1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055 \\ 1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158\end{array}$ $\begin{array}{lllllllll}1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158 \\ 1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876\end{array}$ $\begin{array}{lllllllll}1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876 \\ 1000 & 1422.214 & 0.029031 & 0.108416 & 0.142051 & 0.06573 & 4.848992 & 4.701888 & 0.020098\end{array}$ $\begin{array}{lllllllll}1000 & 1164.626 & 0.022369 & 0.118601 & 0.113708 & 0.120797 & 5.004748 & 5.414754 & 0.021783\end{array}$ $1000959.44930 .0276850 .1313640 .1294490 .1445655 . .9836945 .02498600 .019703$ $\begin{array}{lllllllll}1000 & 951.8791 & 0.022156 & 0.119238 & 0.096977 & 0.090578 & 4.009289 & 4.906479 & 0.013452 \\ 1000 & 1544424 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 665097 & 6.051457 & 0.012161\end{array}$ $\begin{array}{lllllllll}1000 & 1544.224 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 6.650997 & 6.051457 & 0.016161 \\ 1000 & 1034.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255\end{array}$ $\begin{array}{lllllllll}1000 & 10344.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255 \\ 1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863\end{array}$ $\begin{array}{lllllllll}1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863 \\ 1000 & 1007.007 & 0.024715 & 0.148499 & 0.159922 & 0.137078 & 5.169488 & 5.274469 & 0.011108\end{array}$ $\begin{array}{llllllllll}1000 & 995.3571 & 0.025366 & 0.157365 & 0.174694 & 0.157017 & 4.912779 & 5.573006 & 0.021975\end{array}$
 $\begin{array}{lllllllll}1000 & 1114.484 & 0.020506 & 0.15558 & 0.141491 & 0.13104 & 4.796965 & 5.131221 & 0.013824\end{array}$



| 0.070166 | 0.305322 | 0.637478 | 0.560187 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.100958 & 0.226672 & 0.62193 & 0.506074 \\ 0.115944 & 0.310525 & 0.659577 & 0.540391\end{array}$ $\begin{array}{llllll}0.172416 & 0.335122 & 0.646864 & 1.125561\end{array}$ $\begin{array}{llllll}0.099547 & 0.352427 & 1.232759 & 0.582476\end{array}$ $\begin{array}{llll}0.111246 & 0.268509 & 0.6444 & 0.73459\end{array}$ $\begin{array}{llll}0.081824 & 0.257021 & 0.682069 & 0.545541\end{array}$ $\begin{array}{llll}0.163624 & 0.323026 & 1.314208 & 0.644711\end{array}$ | 0.138836 | 0.279715 | 0.644183 | 0.74108 |
| :--- | :--- | :--- | :--- | $\begin{array}{llllll}0.206464 & 0.37894 & 0.803536 & 0.701444\end{array}$ $\begin{array}{llllll}0.178885 & 0.310916 & 0.797606 & 0.655694\end{array}$ $\begin{array}{llllll}0.169601 & 0.293206 & 0.892304 & 1.003422\end{array}$ $\begin{array}{lllllll}0.155052 & 0.366755 & 0.751608 & 0.758993\end{array}$ $\begin{array}{lllll}0.168676 & 0.375786 & 0.92122 & 1.088639\end{array}$ $\begin{array}{llll}0.174344 & 0.365233 & 0.870116 & 0.854656 \\ 0\end{array}$ $\begin{array}{llll}0.116114 & 0.211242 & 0.475684 & 0.51968\end{array}$ $\begin{array}{llll}0.166645 & 0.279274 & 0.693826 & 0.663499\end{array}$ 0.1875490 .2205240 .5220230 .794646 $\begin{array}{llllllll}0.265234 & 0.303693 & 0.819364 & 0.883433\end{array}$ $\begin{array}{lllll}0.269457 & 0.4522 & 1.031794 & 0.804736\end{array}$ 0.2835050 .2551730 .5405590 .850332 0.334958 0.340213 1.0999190 .892129 $\begin{array}{lllll}0.338785 & 0.441416 & 0.642605 & 0.562222\end{array}$ |  | 287615 | 0.307697 | 0.596099 | 0.507654 |
| :--- | :--- | :--- | :--- | :--- |
| .307946 | 0.360825 | 0.767901 | 0.791306 |  | $\begin{array}{lllll}0.227217 & 0.28317 & 1.077618 & 0.586499\end{array}$ $\begin{array}{llllll}0.224559 & 0.309 & 0.7441 & 0.553485\end{array}$ $\begin{array}{lllllll}0.231673 & 0.395289 & 0.779906 & 0.692405\end{array}$ 0.2652540 .3001110 .8441420 .952458 $\begin{array}{llll}0.312394 & 0.272555 & 0.650304 & 0.74038\end{array}$ 0.2146570 .2710260 .6628730 .9884355 $\begin{array}{lllll}0.349373 & 0.453222 & 1.092683 & 0.562615 \\ 0.443746 & 0.297024 & 0521814 & 0.69563\end{array}$ $\begin{array}{lllllllllll}0.347795 & 0.330737 & 0.767845 & 0.703116\end{array}$ $\begin{array}{lllll}0.31625 & 0.314294 & 1.262569 & 0.606719\end{array}$ $0.3199580 .272254 \quad 0.5002270 .562796$ $\begin{array}{llllll}0.352653 & 0.479601 & 1.072193 & 0.729182\end{array}$ $\begin{array}{llllll}0.429886 & 0.406837 & 0.632348 & 0.739743\end{array}$ $\begin{array}{lllll}0.330311 & 0.241416 & 0.906729 & 0.432265\end{array}$ 0.3694220 .3782990 .6173730 .675375 $\begin{array}{lllll}0.697981 & 0.341515 & 0.787835 & 0.662748\end{array}$ $\begin{array}{lllll}0.698007 & 0.323434 & 0.983805 & 0.74301\end{array}$ $\begin{array}{llllll}0.591063 & 0.414227 & 0.931748 & 0.696604\end{array}$ $\begin{array}{llllll}0.412555 & 0.393621 & 0.962502 & 0.70071\end{array}$ $\begin{array}{llll}0.2765 & 0.176714 & 0.464528 & 0.392168\end{array}$ 0.4183840 .31501600 .661350 .667308 $\begin{array}{llll}0.450904 & 0.405787 & 0.691612 & 0.672456\end{array}$ | 0.681547 | 0.458542 | 0.989446 | 1.00428 |
| :--- | :--- | :--- | :--- | :--- |
| .491515 | 0.334784 | 0.7966 | 0.586402 | $\begin{array}{llllll}0.522275 & 0.307988 & 0.790515 & 0.688409\end{array}$ 0.4619550 .3715720 .5989010 .828593 $\begin{array}{lllll}0.634461 & 0.366599 & 1.150138 & 1.463936\end{array}$ $\begin{array}{lllll}0.390051 & 0.316154 & 1.093359 & 0.92177\end{array}$ $\begin{array}{lllll}0.343635 & 0.245675 & 0.911538 & 0.538728\end{array}$ 0.4043940 .3121070 .61399900 .910773 | 0.373739 | 0.333742 | 1.115637 | 0.790886 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.393276 & 0.323386 & 0.971754 & 0.74599\end{array}$ $\begin{array}{lllll}0.325921 & 0.288428 & 0.42655 & 0.754845\end{array}$ $0.217109 \quad 0.2196750 .5015150 .394959$ $\begin{array}{lllll}0.338486 & 0.299064 & 0.79133 & 0.630918\end{array}$

$\begin{array}{lllllllll}1000 & 615.1407 & 0.005173 & 0.104665 & 0.115842 & 0.078526 & 3.261963 & 2.816708 & 0.008105\end{array}$ $\begin{array}{llllllll}1000 & 683.0143 & 0.014714 & 0.119487 & 0.141533 & 0.088757 & 3.600766 & 3.935939\end{array} 0.0009161$ $\begin{array}{lllllllll} & 1000 & 933.9332 & 0.010152 & 0.123231 & 0.094411 & 0.112329 & 3.34186 & 3.803757 \\ 1 & 0.0182 & 0.148082 & 0.145249 & 0.132783 & 4.66348 & 4.729982 & 0.01893\end{array}$ $\begin{array}{llllllllll}1000 & 1265.707 & 0.015255 & 0.125145 & 0.111909 & 0.092234 & 4.12627 & 4.686623 & 0.013789\end{array}$ $\begin{array}{lllllllll}1000 & 896.5135 & 0.013821 & 0.10678 & 0.0799911 & 0.10356 & 4.525468 & 5.297169 & 0.009909\end{array}$ $\begin{array}{lllllllll}1000 & 988.4561 & 0.01062 & 0.092842 & 0.089699 & 0.105178 & 4.011247 & 3.519359 & 0.011103 \\ 1000 & 1071.182 & 0.015113 & 0.135812 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167\end{array}$ $\begin{array}{lllllllll}1000 & 1071.182 & 0.015113 & 0.135512 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167 \\ 1000 & 924.7046 & 0.012635 & 0.144089 & 0.113338 & 0.082656 & 4.409304 & 3.874484 & 0.013439\end{array}$ $\begin{array}{lllllllll}1000 & 924.7046 & 0.012635 & 0.144089 & 0.103382 & 0.082656 & 4.409304 & 3.874484 & 0.013439 \\ 1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367\end{array}$ $\begin{array}{lllllllll}1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367 \\ 1000 & 1059.863 & 0.020231 & 0.201989 & 0.159248 & 0.175889 & 5.807578 & 4.945245 & 0.016828\end{array}$ $\begin{array}{lllllllllll}1000 & 805.272 & 0.013576 & 0.177161 & 0.107854 & 0.162546 & 4.801086 & 5.286248 & 0.01572\end{array}$ $\begin{array}{lllllllll}1000 & 999.8509 & 0.012219 & 0.145906 & 0.139009 & 0.138671 & 5.838568 & 4.411256 & 0.014307\end{array}$ $\begin{array}{lllllllll}1000 & 1030.448 & 0.015548 & 0.247645 & 0.155392 & 0.129167 & 5.398257 & 5.121953 & 0.011358\end{array}$ $\begin{array}{lllllllll}1000 & 994.0685 & 0.015578 & 0.162133 & 0.110847 & 0.125339 & 5.013065 & 4.599762 & 0.009997\end{array}$ $\begin{array}{lllllllll}1000 & 1042.028 & 0.015345 & 0.138331 & 0.117631 & 0.13371 & 4.382344 & 4.740095 & 0.013697\end{array}$ $\begin{array}{lllllllll}1000 & 1104.708 & 0.024211 & 0.133994 & 0.119808 & 0.091304 & 3.769654 & 3.533041 & 0.007442 \\ 1000 & 7197501\end{array}$ $\begin{array}{lllllllll}1000 & 719.7501 & 0.017032 & 0.152678 & 0.090131 & 0.132934 & 3.511273 & 3.788978 & 0.012755 \\ 1000 & 919.0552 & 0.017138 & 0.154127 & 0.121875 & 0.136508 & 4.320497 & 4.051453 & 0.01147\end{array}$ $\begin{array}{llllllllll}1000 & 1011.449 & 0.016863 & 0.172207 & 0.140587 & 0.119742 & 4.483319 & 4.10234 & 0.014101\end{array}$ $\begin{array}{llllllllll}1000 & 1089.502 & 0.017473 & 0.197778 & 0.193182 & 0.179687 & 4.260298 & 5.005731 & 0.00847\end{array}$ $\begin{array}{lllllllll}1000 & 1539.157 & 0.027772 & 0.251749 & 0.159774 & 0.220271 & 6.661555 & 5.459224 & 0.014243\end{array}$ $\begin{array}{lllllllll}1000 & 1000.147 & 0.018395 & 0.131447 & 0.130495 & 0.152198 & 6.005535 & 4.082518 & 0.0099704\end{array}$ $\begin{array}{llllllll}1000 & 888.9333 & 0.020262 & 0.15559 & 0.154505 & 0.135922 & 4.878716 & 4.762051\end{array} 0.0011244$ $\begin{array}{lllllllll}1000 & 998.5492 & 0.016868 & 0.175857 & 0.171536 & 0.152994 & 5.762313 & 5.255829 & 0.017725 \\ 1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648 \\ 1000 & 1074.347 & 0.014231 & 0.194372 & 0.101931 & 0.13507 & 5.949344 & 5.470627 & 0.019815\end{array}$ $\begin{array}{lllllllll}1000 & 1074.344 & 0.014231 & 0.194372 & 0.101931 & 0.13550 & 5.949344 & 5.470627 & 0.019815 \\ 1000 & 1551.844 & 0.017482 & 0.148345 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067\end{array}$ $\begin{array}{lllllllll}1000 & 15551.844 & 0.017482 & 0.14834 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067 \\ 1000 & 762.7059 & 0.00497 & 0.136231 & 0.0868444 & 0.122142 & 3.976746 & 3.746443 & 0.018388\end{array}$ $\begin{array}{lllllllll}1000 & 1077.447 & 0.013965 & 0.144608 & 0.180014 & 0.172167 & 4.426677 & 5.397274 & 0.017564\end{array}$ $\begin{array}{lllllllll}1000 & 1610.395 & 0.012975 & 0.187498 & 0.200675 & 0.126143 & 5.265085 & 5.119423 & 0.015833\end{array}$ $\begin{array}{lllllllll}1000 & 957.072 & 0.00963 & 0.123634 & 0.117203 & 0.118485 & 4.225857 & 3.810033 & 0.005605 \\ 1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919\end{array}$ $\begin{array}{lllllllll}1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919 \\ 1000 & 912.3527 & 0.009288 & 0.125501\end{array}$ $\begin{array}{llllllll}1000 & 912.3527 & 0.009288 & 0.125901 & 0.157881 & 0.130141 & 5.596311 & 5.064982\end{array} 0.017264$ $\begin{array}{lllllllll}1000 & 958.6201 & 0.007594 & 0.11839 & 0.171514 & 0.091561 & 5.01051 & 6.253751 & 0.012992\end{array}$ $\begin{array}{llllllllll}1000 & 1241.856 & 0.014024 & 0.134731 & 0.082505 & 0.090642 & 4.70376 & 4.510542 & 0.0010225\end{array}$ $\begin{array}{lllllllll}1000 & 723.9128 & 0.009811 & 0.084709 & 0.081842 & 0.107166 & 3.454398 & 3.45261 & 0.010362\end{array}$ $\begin{array}{lllllllll}1000 & 1036.759 & 0.013993 & 0.157663 & 0.168107 & 0.142096 & 5.859936 & 5.913273 & 0.015794\end{array}$ $\begin{array}{lllllllll}1000 & 1109.802 & 0.012283 & 0.175961 & 0.160656 & 0.128161 & 6.304868 & 5.169573 & 0.024931\end{array}$ $\begin{array}{lllllllll}1000 & 657.6888 & 0.008552 & 0.091616 & 0.097976 & 0.090784 & 4.07463 & 3.426213 & 0.010591 \\ 1000 & 7688.0823 & 0.014598 & 0.124463 & 0.153391 & 0.123681 & 4.325913 & 4.363612 & 0.013937\end{array}$ $\begin{array}{lllllllll}1000 & 768.0823 & 0.014598 & 0.124463 & 0.135391 & 0.123681 & 4.325913 & 4.366312 & 0.013937 \\ 1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806\end{array}$ $\begin{array}{lllllllll}1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806 \\ 1000 & 1015.129 & 0.017444 & 0.168599 & 0.085281 & 0.151438 & 4.892969 & 4.977255 & 0.020033\end{array}$ $\begin{array}{llllllllll}1000 & 1042.995 & 0.017137 & 0.168141 & 0.124127 & 0.126052 & 6.570883 & 5.973721 & 0.023642\end{array}$ $\begin{array}{lllllllll}1000 & 1081.528 & 0.017307 & 0.167908 & 0.114921 & 0.144144 & 5.910046 & 5.37411 & 0.0250991\end{array}$ $\begin{array}{lllllllll}1000 & 1158.966 & 0.010766 & 0.112212 & 0.095421 & 0.161049 & 4.138073 & 4.162919 & 0.012081\end{array}$ $\begin{array}{lllllllll}1000 & 521.8401 & 0.006478 & 0.084265 & 0.048416 & 0.061202 & 3.485362 & 4.318165 & 0.006773\end{array}$
 $\begin{array}{lllllllll}1000 & 1088.286 & 0.016968 & 0.140386 & 0.140649 & 0.124633 & 4.208166 & 4.632637 & 0.013193 \\ 1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501\end{array}$ $\begin{array}{lllllllll}1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501 \\ 1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 & 0.010625\end{array}$ $\begin{array}{llllllll}1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 \\ 1000 & 1214.488 & 0.021718 & 0.150671 & 0.13987 & 0.134859 & 4.319282 & 6.4252562 \\ 0.013424\end{array}$ $\begin{array}{llllllllll}1000 & 802.9925 & 0.012888 & 0.177304 & 0.12102 & 0.181405 & 4.622962 & 6.875247 & 0.020082\end{array}$ $\begin{array}{llllllllll}1000 & 1099.036 & 0.019158 & 0.170134 & 0.191411 & 0.16688 & 6.990077 & 5.074537 & 0.014335\end{array}$ $\begin{array}{lllllllll}1000 & 1447.803 & 0.016753 & 0.194759 & 0.188431 & 0.19061 & 6.788696 & 5.378928 & 0.026424\end{array}$ $\begin{array}{llllllllll}1000 & 866.7119 & 0.010962 & 0.114482 & 0.131219 & 0.122075 & 4.126844 & 3.781339 & 0.015625\end{array}$ $\begin{array}{lllllllll}1000 & 1285.837 & 0.016288 & 0.165102 & 0.18294 & 0.170753 & 4.655373 & 4.964436 & 0.019492\end{array}$ $\begin{array}{lllllllll}1000 & 850.7799 & 0.011107 & 0.176048 & 0.076377 & 0.154675 & 7.740666 & 5.513382 & 0.023468 \\ 1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.118826 & 6.777419 & 8.988642 & 0.024539\end{array}$ $\begin{array}{lllllllll}1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.178826 & 6.777419 & 8.988642 & 0.024539 \\ 1000 & 1125.395 & 0.009553 & 0.122341 & 0.128397 & 0.088883 & 5.384903 & 7.337034 & 0.020506\end{array}$ $\begin{array}{llllllllll}1000 & 639.4741 & 0.010489 & 0.114665 & 0.150231 & 0.095226 & 3.497213 & 4.559818 & 0.012779\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 762.3578 & 0.004854 & 0.105552 & 0.138384 & 0.082832 & 3.191831 & 3.345072 & 0.016113\end{array}$ $\begin{array}{llllllllll}1000 & 1000.711 & 0.009602 & 0.107549 & 0.185285 & 0.109455 & 4.381901 & 4.679184 & 0.013129\end{array}$


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$\begin{array}{lllll}0.405687 & 0.386892 & 1.15372 & 0.824328\end{array}$ $\begin{array}{llll}0.405687 & 0.386892 & 1.15372 & 0.824328 \\ 0.254905 & 0.324564 & 0.653603 & 0.768255 \\ & 0.377645 & 0.45 & 0.563\end{array}$ $\begin{array}{lllll}0.326498 & 0.420208 & 0.75263 & 0.574703\end{array}$ $\begin{array}{lllll}0.306806 & 0.440424 & 0.923341 & 0.963292\end{array}$ $\begin{array}{lllll}0.219761 & 0.33841 & 0.728601 & 0.746664\end{array}$ $\begin{array}{lllll}0.129884 & 0.307047 & 0.446992 & 0.477489\end{array}$ $\begin{array}{llll}0.163412 & 0.252977 \\ 0.55727878 & 0.621452\end{array}$ $\begin{array}{lllll}0.257217 & 0.359565 & 0.61576 & 1.348487 \\ & 0.2023 & 0.262589 & 0.761777 & 0.961287\end{array}$ $\begin{array}{llllll}0.339326 & 0.450002 & 0.650281 & 0.766609\end{array}$ $\begin{array}{llllll}0.321392 & 0.343236 & 0.779336 & 0.756268\end{array}$ $\begin{array}{lllll}0.328481 & 0.349371 & 0.80745 & 0.708801\end{array}$ $\begin{array}{llllll}0.279806 & 0.403248 & 0.834258 & 0.610594\end{array}$ $\begin{array}{lllll}0.418049 & 0.329833 & 0.663175 & 0.613753\end{array}$ $\begin{array}{lllll}0.210771 & 0.222184 & 0.540472 & 0.540489\end{array}$ $\begin{array}{llll}0.255822 & 0.444036 & 0.625497 & 2.287415 \\ & 0.27198\end{array}$ $\begin{array}{lllll}0.21988 \\ 0.223117 & 0.36795 & 1.143577 & 0.8348655\end{array}$ 0.1281020 .2129030 .4526720 .556213 $\begin{array}{lllll}0.149937 & 0.275508 & 0.927598 & 0.919326\end{array}$ $\begin{array}{llll}0.093123 & 0.270913 & 0.850573 & 0.556849\end{array}$ $\begin{array}{llllll}0.168277 & 0.303743 & 0.773384 & 0.493693\end{array}$ $\begin{array}{lllll}0.119381 & 0.375062 & 0.720864 & 0.806443\end{array}$ $\begin{array}{llll}0.193045 & 0.398649 & 1.21424 & 1.002309\end{array}$ $\begin{array}{lllll}0.14185 & 0.405361 & 1.016439 & 0.907663 \\ 0.150461 & 0.315199 & 0.581857 & 0.788913\end{array}$ $\begin{array}{lllll}0.126206 & 0.365832 & 1.546331 & 0.758583 \\ 0.126813\end{array}$ $\begin{array}{lllll}0.074547 & 0.358222 & 0.91506 & 0.751424\end{array}$ $\begin{array}{llll}0.092751 & 0.285655 & 0.903391 & 0.707807\end{array}$ $\begin{array}{lllll}0.229485 & 0.545259 & 0.837998 & 0.847867\end{array}$ $\begin{array}{llll}0.347049 & 0.365594 & 0.814738 & 0.699417 \\ 0.0187053 & 0.295857\end{array}$ $\begin{array}{llll}0.187053 & 0.296857 & 1.120547 & 0.662537\end{array}$ $\begin{array}{llll}0.355304 & 0.482304 & 1.617459 & 1.671062 \\ 0.299733 & 0.420282 & 1.287999 & 0.666375\end{array}$ $\begin{array}{lllll}0.375853 & 0.33679 & 0.851748 & 1.046033\end{array}$ $\begin{array}{lllll}0.307724 & 0.528537 & 0.856405 & 1.062011\end{array}$ $\begin{array}{lllll}0.265932 & 0.445146 & 0.810333 & 0.59214\end{array}$ $\begin{array}{llll}0.300383 & 0.308261 & 1.084016 & 0.690203\end{array}$ $\begin{array}{llll}0.241777 & 0.330983 & 0.927533 & 0.73873\end{array}$ $\begin{array}{llll}0.213897 & 0.362781 & 0.650527 & 0.883652\end{array}$ $\begin{array}{llll}0.236495 & 0.355602 & 0.92921 & 1.162252 \\ 0.279628 & 0.589427 & 1.556525 & 0.796985\end{array}$ $\begin{array}{lllll}0.279628 & 0.589427 & 1.556525 & 0.796985 \\ 0.357886 & 0.45674 & 1.253068 & 0.94343\end{array}$ $\begin{array}{llll}0.248151 & 0.422981 & 0.900983 & 1.185943\end{array}$ $\begin{array}{llll}0.230579 & 0.418428 & 0.975372 & 1.10013\end{array}$ 0.3079780 .4997640 .6807140 .927593 $\begin{array}{lllll}0.299619 & 0.454852 & 1.127011 & 0.675554\end{array}$ $\begin{array}{lllll}0.419069 & 0.396086 & 0.781791 & 0.676771\end{array}$ $\begin{array}{llll}0.533663 & 0.412949 & 1.011379 & 0.720694\end{array}$ $\begin{array}{lllll}0.26172 & 0.427589 & 0.730171 & 0.751385 \\ 0.27719 & 0.375524 & 0.783687 & 0.693326\end{array}$ $\begin{array}{lllll}0.213461 & 0.351117 & 0.65426 & 0.572119\end{array}$ $\begin{array}{lllll}0.35723 & 0.430449 & 0.817973 & 0.685635\end{array}$ $\begin{array}{lllll}0.205824 & 0.336146 & 1.263542 & 0.794692\end{array}$ $\begin{array}{lllll}0.188362 & 0.282918 & 0.759685 & 0.913846\end{array}$ $\begin{array}{llll}0.25332 & 0.463461 & 0.809973 & 0.779689\end{array}$ | 0.21322 | 0.36927 | 0.79205 | 0.64039 |
| :--- | :--- | :--- | :--- |
| 0.15824 | 0.3107 |  |  | $\begin{array}{llll}0.168424 & 0.31107 & 0.616793 & 0.563946 \\ 0.195126 & 0.439694 & 0.657592 & 0.964206\end{array}$ $\begin{array}{lllll}0.154588 & 0.325809 & 0.75316 & 0.576467\end{array}$ $\begin{array}{lllll}0.289561 & 0.411948 & 1.040791 & 1.232496\end{array}$ $\begin{array}{llllll}0.221283 & 0.37144 & 0.713211 & 0.69551\end{array}$ 0.1871180 .3661720 .6396760 .883783


$\begin{array}{llllllllll}1000 & 1396.953 & 0.008293 & 0.148664 & 0.137964 & 0.122325 & 5.673182 & 5.963023 & 0.018599\end{array}$ $\begin{array}{lllllllll}100 & 793.7691 & 0.007095 & 0.1116348 & 0.171728 & 0.104937 & 4.877611 & 6.960961 & 0.01263 \\ 1000 & 968.4998 & 0.004942 & 0.13074 & 0.11244 & 0.132204 & 3.861344 & 4.720961 & 0.01529\end{array}$ $\begin{array}{lllllllll}1000 & 968.4498 & 0.004942 & 0.136074 & 0.111244 & 0.132204 & 3.861344 & 4.720961 & 0.015297 \\ 1000 & 1100.307 & 0.002963 & 0.135981 & 0.142341 & 0.169841 & 5.220472 & 6.180301 & 0.026145\end{array}$ $\begin{array}{lllllllll}1000 & 1370.139 & 0.008287 & 0.179396 & 0.157621 & 0.178305 & 5.202132 & 5.672738 & 0.019261\end{array}$ $\begin{array}{llllllllll}1000 & 1353.605 & 0.01027 & 0.166082 & 0.196931 & 0.151571 & 5.622929 & 4.885601 & 0.016327\end{array}$ $\begin{array}{lllllllll}1000 & 676.3096 & 0.004639 & 0.1234 & 0.071031 & 0.116079 & 2.987049 & 3.331499 & 0.01233\end{array}$ $\begin{array}{lllllllll}1000 & 684.8687 & 0.004842 & 0.101404 & 0.112086 & 0.108069 & 3.633289 & 3.9304949 & 0.012021 \\ 1000 & 1349.403 & 0.002964 & 0.170346 & 0.164263 & 0.119742 & 6.413787 & 5.289474 & 0.015061\end{array}$ | 1000 | 1349.403 | 0.002964 | 0.170346 | 0.164263 | 0.169742 | 6.413787 | 5.284974 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1152.06 | 0.006012061 | 0.136182 | 0.134198 | 0.117067 | 4.798683 | 5.563818 | $\begin{array}{lllllllll}1000 & 1452.05 & 0.006012 & 0.136182 & 0.134198 & 0.11706 & 4.798683 & 5.563818 & 0.019159 \\ 1000 & 1423.257 & 0.009892 & 0.157379 & 0.11423 & 0.146738 & 4.850453 & 4.691174 & 0.016084\end{array}$ $\begin{array}{llllllllll}1000 & 1500.697 & 0.007537 & 0.13057 & 0.171945 & 0.131478 & 5.134288 & 4.951768 & 0.014899\end{array}$ $\begin{array}{lllllllll}1000 & 1500.657 & 0.007737 & 0.13057 & 0.117934 & 0.131448 & 5.134288 & 4.951768 & 0.014899 \\ 1000 & 1104.585 & 0.007528 & 0.110404 & 0.097738 & 0.109681 & 5.120284 & 4.585277 & 0.013557\end{array}$ $\begin{array}{lllllllll}1000 & 11045.5353 & 0.01241 & 0.137954 & 0.094807 & 0.106331 & 4.962931 & 5.4955731 & 0.0092857 \\ 1000 & 1085 & 0.120857\end{array}$ $\begin{array}{lllllllll}1000 & 1307.403 & 0.011073 & 0.128277 & 0.157221 & 0.110298 & 5.048947 & 5.510477 & 0.016532\end{array}$ $\begin{array}{llllllllll}1000 & 857.1596 & 0.008069 & 0.110863 & 0.099876 & 0.132145 & 4.394766 & 4.106075 & 0.009544\end{array}$ $\begin{array}{lllllllll}1000 & 871.2658 & 0.008775 & 0.148424 & 0.163926 & 0.126874 & 5.555129 & 4.962407 & 0.023431 \\ 1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834 \\ 1000 & 1077.99 & 0.016428 & 0.198821 & 0.215849 & 0.194705 & 5.1344 & 5.690352 & 0.01654\end{array}$ $\begin{array}{lllllllllllll}1000 & 580.8152 & 0.011281 & 0.133371 & 0.089107 & 0.123339 & 4.378684 & 3.56751 & 0.010478\end{array}$ $\begin{array}{lllllllll}1000 & 790.3351 & 0.010665 & 0.160248 & 0.157756 & 0.163659 & 5.701389 & 4.086713 & 0.02173\end{array}$ $\begin{array}{lllllllll}1000 & 524.165 & 0.010432 & 0.148467 & 0.087688 & 0.10329 & 3.470764 & 3.370482 & 0.009207\end{array}$ $\begin{array}{lllllllll}1000 & 866.3908 & 0.01401 & 0.165108 & 0.189257 & 0.175216 & 3.628515 & 3.174641 & 0.015814\end{array}$ $\begin{array}{lllllllll}1000 & 1054.802 & 0.013551 & 0.130551 & 0.118246 & 0.140189 & 4.411737 & 5.020302 & 0.01316 \\ 1000 & 1337326 & 017093 & 0.107956 & 0.10563 & 0.14469 & 5302916 & 5.230873 & 0.015513\end{array}$ $\begin{array}{lllllllll}1000 & 1337.326 & 0.017093 & 0.207956 & 0.105633 & 0.144696 & 5.302916 & 5.230873 & 0.015513 \\ 1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605\end{array}$ $\begin{array}{lllllllll}1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605 \\ 1000 & 824.1597 & 0.005494 & 0.14539 & 0.101517 & 0.099527 & 4.242573 & 3.941077 & 0.012853\end{array}$ $\begin{array}{llllllllllll}1000 & 891.1662 & 0.006204 & 0.152089 & 0.142353 & 0.132167 & 4.385448 & 5.096825 & 0.016489\end{array}$ $\begin{array}{llllllllll}1000 & 947.4673 & 0.005252 & 0.187601 & 0.155194 & 0.173242 & 4.544169 & 4.154008 & 0.016336\end{array}$ $\begin{array}{llllllllll}1000 & 1182.27 & 0.008025 & 0.183056 & 0.143877 & 0.157736 & 4.071976 & 4.444731 & 0.010207\end{array}$ $\begin{array}{lllllllll}1000 & 1090.319 & 0.006033 & 0.168922 & 0.232359 & 0.172156 & 5.64255 & 5.252416 & 0.021547\end{array}$ $\begin{array}{lllllllll}1000 & 1046.382 & 0.011817 & 0.165942 & 0.125884 & 0.159817 & 6.115659 & 6.017204 & 0.011237 \\ 1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5020828 & 4.34651 & 0.00865\end{array}$ $\begin{array}{llllllll}1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5.029828 & 4.348651\end{array} 0.009865$ $\begin{array}{llllllll}1000 & 910.5936 & 0.008477 & 0.126121 & 0.208892 & 0.153797 & 5.280407 & 5.271385 \\ 1000 & 894.2576 & 0.012416 & 0.155286 & 0.167415 & 0.09872 & 5.384546 & 4.599106 \\ 0.010837\end{array}$ $\begin{array}{llllllllll}1000 & 1161.576 & 0.021837 & 0.165211 & 0.204631 & 0.153049 & 5.502131 & 6.942604 & 0.0155\end{array}$ $\begin{array}{llllllllll}1000 & 1196.84 & 0.00853 & 0.180528 & 0.174252 & 0.148296 & 6.423038 & 7.013416 & 0.016399\end{array}$ $\begin{array}{llllllllll}1000 & 1286.995 & 0.015045 & 0.138015 & 0.133477 & 0.139397 & 5.365532 & 4.566677 & 0.011531\end{array}$ $\begin{array}{llllllllll}1000 & 699.1323 & 0.013264 & 0.129587 & 0.136581 & 0.098161 & 4.70075 & 4.860768 & 0.014294\end{array}$ $\begin{array}{lllllllll}1000 & 836.5271 & 0.018104 & 0.15773 & 0.129594 & 0.134831 & 4.448758 & 5.676407 & 0.009528\end{array}$ $\begin{array}{lllllllll}1000 & 772.0621 & 0.013847 & 0.123137 & 0.094693 & 0.109373 & 4.020572 & 3.621689 & 0.017393 \\ 1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 565793 & 8.294556 & 0.019131\end{array}$ $\begin{array}{lllllllll}1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 5.65793 & 8.294556 & 0.019131 \\ 1000 & 923.4622 & 0.01562 & 0.266229 & 0.336533 & 0.265697 & 7.073136 & 5.926424 & 0.019974\end{array}$ $\begin{array}{lllllllllll}1000 & 1017.646 & 0.020249 & 0.312863 & 0.27448 & 0.305615 & 7.498768 & 6.780234 & 0.0277708\end{array}$ $\begin{array}{lllllllllllll}1000 & 906.3254 & 0.018548 & 0.297953 & 0.227418 & 0.227408 & 5.66481 & 6.445643 & 0.022894\end{array}$ $\begin{array}{lllllllll}1000 & 1323.342 & 0.019382 & 0.166497 & 0.14989 & 0.153628 & 5.002878 & 4.530529 & 0.016203\end{array}$ $\begin{array}{lllllllll}1000 & 1118.386 & 0.010922 & 0.202227 & 0.160065 & 0.124908 & 5.352393 & 4.782177 & 0.014607\end{array}$ $\begin{array}{lllllllll}1000 & 1162.582 & 0.014096 & 0.175622 & 0.087728 & 0.106742 & 6.380501 & 5.185586 & 0.014373\end{array}$ $\begin{array}{llllllll}1000 & 887.0313 & 0.00773 & 0.100769 & 0.109567 & 0.120941 & 6.165185 & 4.693691 \\ 10.011273\end{array}$ $\begin{array}{lllllllll}1000 & 11771.926 & 0.017691 & 0.136582 & 0.121923 & 0.203328 & 7.656832 & 5.460789 & 0.012244\end{array}$ $\begin{array}{lllllllll}1000 & 918.2899 & 0.010107 & 0.155428 & 0.094538 & 0.104246 & 6.098693 & 5.310121 & 0.013884 \\ 1000 & 1088.781 & 0.014522 & 0.161658 & 0.193422 & 0.149812 & 4.736032 & 4.697954 & 0.013322\end{array}$ $\begin{array}{lllllllll}1000 & 718.9957 & 0.009876 & 0.11251 & 0.108811 & 0.126733 & 3.83229 & 3.727693 & 0.015395\end{array}$ $\begin{array}{lllllllll}1000 & 929.8775 & 0.016673 & 0.14438 & 0.074312 & 0.127153 & 5.672222 & 4.96006 & 0.023987\end{array}$ $\begin{array}{lllllllll}1000 & 1014.914 & 0.009563 & 0.13228 & 0.132685 & 0.111695 & 5.165994 & 5.22949 & 0.013514\end{array}$ $\begin{array}{lllllllll}1000 & 1128.354 & 0.010943 & 0.118443 & 0.039527 & 0.072916 & 3.577841 & 4.083905 & 0.008634\end{array}$ $\begin{array}{lllllllll}1000 & 802.1751 & 0.015721 & 0.126486 & 0.046937 & 0.10022 & 4.733112 & 4.877326 & 0.009877\end{array}$ $\begin{array}{lllllllll}1000 & 883.755 & 0.010369 & 0.104947 & 0.067964 & 0.106296 & 5.491923 & 4.814622 & 0.011346 \\ 1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.52754 & 3.61118 & 0.011154\end{array}$ $\begin{array}{rrrrrrrr}1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.652754 & 3.61118 \\ 1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509\end{array}$ $\begin{array}{lllllllll}1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509 & 0.01139 \\ 1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222\end{array}$ $\begin{array}{lllllllll}1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222 \\ 1000 & 1159.175 & 0.009997 & 0.170992 & 0.175532 & 0.19318 & 8.544723 & 6.156318 & 0.020464\end{array}$ $\begin{array}{llllllllll}1000 & 661.964 & 0.010609 & 0.113436 & 0.107985 & 0.083482 & 4.501985 & 4.064206 & 0.008959\end{array}$ $\begin{array}{lllllllllll}1000 & 1696.82 & 0.007692 & 0.12611 & 0.087909 & 0.100957 & 4.482484 & 4.41486 & 0.014907\end{array}$






$0.0875950 .4058470 .449683 \quad 0.264282$ $\begin{array}{llll}0.029256 & 0.331626 & 0.327032 & 0.3642822 \\ 0 & 0.3025939 & 0.39526 & 0.28514 \\ 0 & 0.221159\end{array}$ $\begin{array}{llllll}0.083242 & 0.398726 & 0.273288 & 0.299204\end{array}$ $\begin{array}{lllllllll}0.024962 & 0.414271 & 0.277788 & 0.300645\end{array}$ $\begin{array}{lllll}0.024101 & 0.637263 & 0.47401 & 0.302946\end{array}$ $\begin{array}{lllll}0.031129 & 0.475691 & 0.454005 & 0.455832\end{array}$ $\begin{array}{lllll}0.026783 & 0.502601 & 0.688304 & 0.487624\end{array}$ $\begin{array}{llll}0.016026 & 0.417348 & 0.461625 & 0.34541\end{array}$ $\begin{array}{lllll}0.01584 & 0.595857 & 0.363574 & 0.371657\end{array}$ $\begin{array}{lllll}0.016442 & 0.511243 & 0.366694 & 0.431415\end{array}$ $\begin{array}{lllll}0.022771 & 0.560009 & 0.36116 & 0.300418\end{array}$ $\begin{array}{lllll}-0.00181 & 0.278995 & 0.152558 & 0.228715\end{array}$ $\begin{array}{llllll}0.037036 & 0.416284 & 0.43189 & 0.340545\end{array}$ $\begin{array}{llll}0.056096 & 0.590361 & 0.321428 & 0.327246\end{array}$ $\begin{array}{lllll}0.066682 & 0.402714 & 0.367376 & 0.333148 \\ 0.055372 & 0.335946 & 0.34688 & 0.3738\end{array}$ $\begin{array}{lllll}0.025431 & 0.317941 & 0.326481 & 0.282297\end{array}$ $\begin{array}{lllll}0.070926 & 0.36946 & 0.526174 & 0.33899\end{array}$ $\begin{array}{llll}0.039191 & 0.340965 & 0.406275 & 0.338302\end{array}$ $\begin{array}{lllll}0.030461 & 0.317916 & 0.511366 & 0.428591\end{array}$ $\begin{array}{lllllllllll}0.062607 & 0.311958 & 0.337687 & 0.538769\end{array}$ $\begin{array}{lllllll}0.032066 & 0.287187 & 0.481756 & 0.348492\end{array}$ $\begin{array}{llll}0.036277 & 0.283068 & 0.386427 & 0.349183 \\ 0 & 073398 & 0.282533 & 0.36338\end{array} 0.44472$ $\begin{array}{lllll}0.0757444 & 0.2987763 & 0.479931 & 0.4244723\end{array}$ 0.0625860 .3360040 .3987690 .390621 $\begin{array}{lllll}0.075914 & 0.443215 & 0.402478 & 0.302677\end{array}$ 0.0629290 .4236460 .5362920 .440613 $\begin{array}{llllll}0.065486 & 0.316571 & 0.333701 & 0.298644\end{array}$ $\begin{array}{llllll}0.03811 & 0.406626 & 0.258337 & 0.285738\end{array}$ | 0.082565 | 0.431762 | 0.482743 | 0.420908 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.05059 & 0.325683 & 0.311208 & 0.359414\end{array}$ $\begin{array}{llllll}0.046687 & 0.336805 & 0.471117 & 0.387172\end{array}$ $\begin{array}{lllll}0.068573 & 0.359055 & 0.400684 & 0.50483\end{array}$ $\begin{array}{llllll}0.047461 & 0.239135 & 0.352306 & 0.262261\end{array}$ $\begin{array}{llllll}0.062438 & 0.300024 & 0.295868 & 0.278575\end{array}$ $\begin{array}{lllllllll}0.075821 & 0.372331 & 0.311054 & 0.317962\end{array}$ $\begin{array}{lllll}0.022507 & 0.296813 & 0.324508 & 0.309801\end{array}$ $\begin{array}{lllll}0.038045 & 0.301197 & 0.366847 & 0.368068\end{array}$ $\begin{array}{llllll}0.060161 & 0.339784 & 0.318093 & 0.349949\end{array}$ $\begin{array}{llllll}0.013656 & 0.304107 & 0.381596 & 0.268879\end{array}$ $\begin{array}{lllll}0.02656 & 0.176647 & 0.242548 & 0.265977\end{array}$ $\begin{array}{lllllllllll}0.042183 & 0.354027 & 0.31759 & 0.288572\end{array}$ $\begin{array}{lllllll}0.045205 & 0.356506 & 0.361358 & 0.50397\end{array}$ $\begin{array}{llll}0.036283 & 0.235671 & 0.292772 & 0.350181\end{array}$ $\begin{array}{llll}0.046684 & 0.327624 & 0.373182 & 0.269085\end{array}$

 $\begin{array}{lllll}0.0614 & 0.331737 & 0.43617 & 0.44657\end{array}$ $\begin{array}{lllll}0.061675 & 0.240624 & 0.287804 & 0.25425\end{array}$ $\begin{array}{llllll}0.030204 & 0.349603 & 0.367952 & 0.294501\end{array}$ $\begin{array}{llllllllllll}0.026809 & 0.161671 & 0.262642 & 0.249738\end{array}$ $\begin{array}{lllll}0.050591 & 0.386268 & 0.366269 & 0.329109\end{array}$ $\begin{array}{llll}0.32571 & 0.269532 & 0.3545450 & 0.317413\end{array}$ | 0.062954 | 0.307232 | 0.392339 | 0.288171 |
| :--- | :--- | :--- | :--- |
| 041588 | 0.376736 | 0.38886 | 0.301815 | $\begin{array}{lllll}0.050636 & 0.318716 & 0.308728 & 0.365687\end{array}$ $\begin{array}{lllll}0.051319 & 0.345848 & 0.303868 & 0.354974\end{array}$ $\begin{array}{llllll}0.042759 & 0.346495 & 0.262264 & 0.327719\end{array}$ 0.0214620 .3292720 .373580 .319241

$\begin{array}{lllllllll}1000 & 1018.507 & 0.005875 & 0.058693 & 0.075806 & 0.064953 & 4.175173 & 3.747122 & 0.004285\end{array}$ $\begin{array}{llllllll}1000 & 1022.548 & 0.0077108 & 0.043137 & 0.052523 & 0.030083 & 3.333266 & 3.767521\end{array} 0.0003768$ $\begin{array}{lllllllll}1000 & 972.087 & 0.00592 & 0.053617 & 0.045768 & 0.056232 & 4.012782 & 3.42573 & 0.00369 \\ 1000 & 996.1152 & 0.007287 & 0.049924 & 0.00617 & 0.023883 & 3.819858 & 3.433025 & 0.000697\end{array}$ $\begin{array}{llllllllll}1000 & 893.2013 & 0.012278 & 0.037463 & 0.023879 & 0.037625 & 3.255102 & 3.511555 & 0.004732\end{array}$ $\begin{array}{lllllllll}1000 & 1100.671 & 0.010536 & 0.05006 & 0.018163 & 0.040932 & 3.896906 & 4.028722 & 0.003854\end{array}$ $\begin{array}{lllllllll}1000 & 1426.013 & 0.004975 & 0.024447 & 0.026337 & 0.039196 & 4.334701 & 4.339855 & 0.005358 \\ 1000 & 1111.85 & 0.006847 & 0.047995 & 0.035628 & 0.034278 & 4.655726 & 4.644049 & 0.000188\end{array}$ $\begin{array}{llllllll}1000 & 1111.85 & 0.006847 & 0.0404795 & 0.035628 & 0.0342788 & 4.655726 & 4.644049 \\ 1000 & 0.000188 \\ 1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4220661 & 4.258551\end{array}$ $\begin{array}{llllllll}1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4.220611 & 4.258551 \\ 1000 & 845.8845 & 0.00895 & 0.033799 & 0.000313 & 0.012754 & 3.721676 & 3.863423 \\ 0.001875\end{array}$ $\begin{array}{llllllllllll}1000 & 1233.734 & 0.00476 & 0.032166 & 0.020646 & 0.065313 & 5.73997 & 4.797446 & 0.002595\end{array}$ $\begin{array}{llllllllllllllll}1000 & 826.2289 & 0.002297 & 0.031661 & 0.03231 & 0.012819 & 3.883105 & 4.029032 & 0.003464\end{array}$ $\begin{array}{llllllllll}1000 & 1007.966 & 0.001556 & 0.057579 & 0.00036 & 0.047086 & 3.78389 & 4.405332 & 0.006114\end{array}$ $\begin{array}{lllllllll}1000 & 618.73 & 0.00142 & 0.028018 & 0.034015 & 0.035073 & 2.404641 & 2.685501 & 0.004986\end{array}$ $\begin{array}{lllllllll}1000 & 1255.774 & 0.008326 & 0.06563 & 0.094827 & 0.044561 & 4.542364 & 4.61628 & 0.01218\end{array}$ $\begin{array}{lllllllll}1000 & 894.2564 & 0.009751 & 0.060488 & 0.041388 & 0.042053 & 3.842731 & 3.922405 & 0.00515 \\ 1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 975.6827 & 0.002637 & 0.047277 & 0.043161 & 0.055369 & 2.813435 & 2.605905 & 0.0099427\end{array}$ $1000 \quad 906.2528 \quad 0.0108120 .0773330 .0668020 .06819543 .306129 \begin{array}{lllll}3.537613 & 0.004228\end{array}$ $\begin{array}{lllllllll}1000 & 718.523 & 0.005493 & 0.056599 & 0.06145 & 0.069507 & 3.003796 & 3.512904 & 0.005156\end{array}$ $\begin{array}{lllllllll}1000 & 1033.648 & 0.009103 & 0.081336 & 0.187333 & 0.043883 & 3.656527 & 3.623245 & 0.0004061\end{array}$ $\begin{array}{llllllllll}1000 & 780.9178 & 0.012286 & 0.060003 & 0.084485 & 0.059665 & 3.3777035 & 3.302077 & 0.004968\end{array}$ $\begin{array}{lllllllll}1000 & 842.8682 & 0.000464 & 0.052215 & 0.049503 & 0.049789 & 2.771971 & 3.191253 & 0.003198 \\ 1000 & 9355.8288 & 0.006145 & 0.061867 & 0.06713 & 0.075406 & 4057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{lllllllll}000 & 935.8288 & 0.006145 & 0.061867 & 0.067133 & 0.075406 & 4.057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{llllllllll}1000 & 1060.426 & 0.010995 & 0.076903 & 0.052331 & 0.055976 & 3.572116 & 3.59736 & 0.004299 \\ 1000 & 940.83 & 0.008899 & 0.087587 & 0.032602 & 0.075156 & 3.181318 & 3.848753 & 0.006819\end{array}$ $\begin{array}{lllllllll}1000 & 866.642 & 0.007158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.642 & 0.0071158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306 \\ 1000 & 947.9187 & 0.0094 & 0.105472 & 0.071893 & 0.062698 & 3.586713 & 3.482639 & 0.006033\end{array}$ $\begin{array}{lllllllll} & 1021.53 & 0.01418 & 0.092534 & 0.009954 & 0.0072309 & 4.07674631 & 3.482639 & 0.006033 \\ 1000 & 10276275 & 0.00553\end{array}$
 $\begin{array}{llllllll}1000 & 773.2339 & 0.010352 & 0.065359 & 0.046579 & 0.0756608 & 3.391013 & 2.98869 \\ 10.005462 \\ 1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912\end{array}$ $\begin{array}{lllllllll}1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912 & 0.009527 \\ 1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.26211 & 3.072142 & 0.006848\end{array}$ $\begin{array}{lllllllll}1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.262211 & 3.072142 & 0.006842 \\ 1000 & 844.5102 & 0.007143 & 0.072032 & 0.06554 & 0.066144 & 3.403397 & 2.969735 & 0.005088\end{array}$ $\begin{array}{lllllllll}1000 & 1078.876 & 0.01397 & 0.106231 & 0.106723 & 0.075172 & 3.413149 & 3.375104 & 0.002884\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404 \\ 1000 & 871.76 & 0.011003 & 0.056613 & 0.059391 & 0.057707 & 3.12075 & 3.17915 & 0.005767\end{array}$ $\begin{array}{llllllllll}1000 & 1033.756 & 0.010924 & 0.067909 & 0.068487 & 0.056435 & 3.233753 & 3.633045 & 0.002482\end{array}$

 $\begin{array}{lllllllll}1000 & 1327.824 & 0.011949 & 0.074666 & 0.039813 & 0.076423 & 3.150242 & 3.217665 & 0.008879\end{array}$ \begin{tabular}{lllllllll}
1000 \& 1211.923 \& 0.017124 \& 0.084806 \& 0.098049 \& 0.074715 \& 3.371931 \& 3.968405 \& 0.004488 <br>
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 $\begin{array}{lllllllll}1000 & 1921.122 & 0.009456 & 0.0965 & 0.136825 & 0.077847 & 3.377593 & 3.93396 & 0.002809 \\ 1000 & 1127.238 & 0.014476 & 0.08138 & 0.13867 & 0.089202 & 3.31681 & 3.734356 & 0.007819\end{array}$ $\begin{array}{llllllllll}1000 & 1015.557 & 0.00919 & 0.094485 & 0.11607 & 0.072413 & 3.216633 & 3.412717 & 0.002491\end{array}$ $\begin{array}{lllllllll}1000 & 1215.857 & 0.00919 & 0.094485 & 0.1667 & 0.072413 & 3.216633 & 3.412717 & 0.002491 \\ 1000 & 757.9824 & 0.005248 & 0.03985 & 0.061374 & 0.057828 & 2.682081 & 2.839498 & 0.001929\end{array}$ $\begin{array}{lllllllll}1000 & 1154.905 & 0.010355 & 0.079849 & 0.042578 & 0.05797 & 3.070056 & 2.969252 & 0.0002967\end{array}$ $\begin{array}{lllllllll}1000 & 1003.121 & 0.0085 & 0.060064 & 0.090892 & 0.05606 & 3.430117 & 3.459236 & 0.003179\end{array}$ $\begin{array}{lllllllll}1000 & 1124.964 & 0.00461 & 0.078437 & 0.043257 & 0.070388 & 3.193118 & 3.313862 & 0.005383 \\ 1000 & 1454.436 & 0.008063 & 0.0532525 & 0.06465 & 0.075424 & 3.724503 & 3.638949 & 0.000187\end{array}$ 

\hline 000 \& 1454.536 \& 0.008063 \& 0.053252 \& 0.06465 \& 0.075424 \& 3.724503 \& 3.638944 \& 0.000187 <br>
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\end{tabular} $\begin{array}{lllllllll}000 & 1002.82 & 0.007827 & 0.055483 & 0.068434 & 0.064712 & 3.386305 & 3.481609 & 0.002185 \\ 1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552\end{array}$ $\begin{array}{lllllllll}1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552 \\ 1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377 \\ 1000 & 801.04 & 0.006895 & 0.042806 & 0.014662 & 0.059709 & 2.710409 & 3.348897 & 0.001421\end{array}$ $\begin{array}{lllllllll}1000 & 1216.442 & 0.01154 & 0.053901 & 0.074537 & 0.035734 & 3.529982 & 3.239082 & 0.004214\end{array}$ $\begin{array}{llllllllll}1000 & 831.2548 & 0.009073 & 0.048467 & 0.008489 & 0.019588 & 2.452892 & 2.438065 & 0.0001221\end{array}$ $\begin{array}{lllllllll}1000 & 1047.79 & 0.009328 & 0.068324 & 0.05408 & 0.059114 & 3.660183 & 3.56248 & 0.002298 \\ 1000 & 0163138 & 0.07999 & 0.06777 & 0.02811 & 0.034765 & 3390161 & 35474 & 0.0369\end{array}$ $\begin{array}{lllllllll}1000 & 916.3138 & 0.007999 & 0.060777 & 0.028111 & 0.034765 & 3.349161 & 3.5874 & 0.003609\end{array}$ $\begin{array}{lllllllll}1000 & 1067.927 & 0.010279 & 0.048158 & 0.057351 & 0.036916 & 3.924216 & 3.564714 & 0.00579\end{array}$ $\begin{array}{lllllllll}1000 & 1101.395 & 0.022409 & 0.057058 & 0.049581 & 0.042459 & 3.693115 & 4.010436 & 0.002911 \\ 1000 & 1081.761 & 0.022623 & 0.046996 & 0.027108 & 0.032378 & 3.284741 & 2.946767 & 0.00348\end{array}$ $\begin{array}{llllllllll}1000 & 850.7295 & 0.013431 & 0.037536 & 0.010647 & 0.042262 & 3.119029 & 3.154912 & 0.002442\end{array}$ $\begin{array}{llllllllll}1000 & 1013.511 & 0.0141 & 0.041629 & 0.027104 & 0.034666 & 3.4637 & 3.008152 & 0.003007\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 866.2754 & 0.010962 & 0.035047 & 0.033257 & 0.028476 & 2.6535937 & 0.001398\end{array}$



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$\begin{array}{llll}0.031611 & 0.401195 & 0.565759 & 0.680515\end{array}$ $\begin{array}{llll}0.047697 & 0.41712 & 0.559176 & 0.442672 \\ 0.033864 & 0.318373 & 0.557024 & 0.462136\end{array}$ $\begin{array}{lllll}0.052034 & 0.227194 & 0.528364 & 0.519206\end{array}$ $\begin{array}{llllllllll}0.053555 & 0.225225 & 0.430557 & 0.437268\end{array}$ $\begin{array}{lllll}0.081266 & 0.39672 & 0.813177 & 0.814696\end{array}$ $\begin{array}{rlll}0.10417 & 0.310136 & 0.623135 & 0.677599\end{array}$ $\begin{array}{lllll}0.139115 & 0.224537 & 0.908507 & 0.660577 \\ 0\end{array}$ $\begin{array}{llll}0.192163 & 0.312041 & 0.769898 & 0.68971 \\ 0 & 0.149146 & 0.360103 & 0.701746\end{array}$ | 0.13312 | 0.315093 | 0.684883 | 0.87778 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088229 & 0.266661 & 0.456966 & 0.739526\end{array}$ $\begin{array}{llll}0.12593 & 0.195205 & 0.721266 & 0.625943\end{array}$ $\begin{array}{lllll}0.099571 & 0.289353 & 0.656671 & 0.671575\end{array}$ $\begin{array}{llll}0.13594 & 0.331815 & 0.951157 & 1.076207\end{array}$ $\begin{array}{llll}0.155103 & 0.242672 & 0.949812 & 0.687928\end{array}$ | 0.081648 | 0.266666 | 0.686311 | 0.830989 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.092273 & 0.351706 & 0.885922 & 0.845525 \\ 0.088259 & 0.335323 & 0.72666 & 0.740185\end{array}$ $\begin{array}{llll}0.070835 & 0.283668 & 0.909258 & 0.666004\end{array}$ $\begin{array}{llll}0.087727 & 0.258627 & 0.741565 & 0.612933\end{array}$ $\begin{array}{llllll}0.070825 & 0.185364 & 0.554206 & 0.636004\end{array}$ $\begin{array}{lllll}0.14918 & 0.309444 & 1.006352 & 0.774642\end{array}$ $\begin{array}{llll}0.165965 & 0.350032 & 0.848652 & 0.802348\end{array}$ $\begin{array}{llll}0.084192 & 0.261942 & 0.695531 & 0.653218\end{array}$ $\begin{array}{llll}0.113611 & 0.357862 & 0.805593 & 1.067474 \\ 0.135272 & 0.300744 & 1.037675 & 0.77824\end{array}$ $\begin{array}{lllll}0.066924 & 0.276958 & 0.790702 & 0.754784\end{array}$ $\begin{array}{lllll}0.071813 & 0.290907 & 0.457531 & 0.639797\end{array}$ $\begin{array}{lllll}0.064215 & 0.357847 & 0.815127 & 0.663215\end{array}$ $\begin{array}{lllll}0.075605 & 0.359288 & 0.991256 & 0.60056\end{array}$ $\begin{array}{llll}0.129049 & 0.28988 & 0.75347 & 0.537963\end{array}$ $\begin{array}{llll}0.105974 & 0.272886 & 0.632027 & 0.755164\end{array}$ $\begin{array}{llll}0.079567 & 0.275442 & 0.762438 & 0.883553 \\ 0.051876 & 0.287631 & 0.572844 & 0.787908\end{array}$ $\begin{array}{llll}0.061619 & 0.2777796 & 0.517844 & 0.787908 \\ 0.0 .517046\end{array}$ $\begin{array}{lllll}0.0 .109503 & 0.501367 & 0.928316 & 1.099436\end{array}$ $\begin{array}{lllll}0.074202 & 0.252329 & 0.717445 & 0.819267\end{array}$ $\begin{array}{llll}0.092096 & 0.430531 & 1.066901 & 1.22305\end{array}$ $\begin{array}{llll}0.119834 & 0.363694 & 1.092045 & 1.128597\end{array}$ $\begin{array}{llll}0.05136 & 0.400559 & 0.652173 & 0.870842\end{array}$ $\begin{array}{lllll}0.080817 & 0.271879 & 0.744266 & 0.803881 \\ 0.038103 & 0.248781 & 0.465322 & 0.650427\end{array}$ | 0.08521 | 0.347368 | 1.2659 | 1.341401 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.079931 & 0.372017 & 0.753862 & 0.563623\end{array}$ $\begin{array}{lllll}0.088712 & 0.323032 & 1.04567 & 0.739648\end{array}$ $\begin{array}{llll}0.084064 & 0.308333 & 1.228756 & 0.982288\end{array}$ $\begin{array}{llll}0.131225 & 0.38279 & 0.887654 & 1.05749\end{array}$ $\begin{array}{llll}0.120489 & 0.322183 & 1.856678 & 0.765613\end{array}$ $\begin{array}{llll}0.094513 & 0.297818 & 1.113155 & 1.245263\end{array}$ $\begin{array}{llll}0.116088 & 0.258409 & 0.793007 & 0.666836 \\ 0.115628 & 0.554125 & 1.385854 & 0.891609\end{array}$ $\begin{array}{lllll}0.171548 & 0.417791 & 1.670533 & 0.896359 \\ 0 & 0.175469\end{array}$ $\begin{array}{lllll}0.047204 & 0.263044 & 0.690082 & 1.004585\end{array}$ $\begin{array}{lllll}0.094619 & 0.38646 & 0.959242 & 0.974591\end{array}$ $\begin{array}{lllll}0.101405 & 0.322548 & 0.636257 & 0.66876\end{array}$ $\begin{array}{lllll}0.092319 & 0.249774 & 0.629481 & 0.627155\end{array}$ $\begin{array}{llll}0.09091 & 0.507514 & 1.579029 & 0.9947\end{array}$ $\begin{array}{llll}0.064357 & 0.209214 & 1.205438 & 0.906858 \\ 0.053311 & 0.222872 & 0.671731 & 0.69517\end{array}$ $\begin{array}{llll}0.066661 & 0.389646 & 1.179674 & 1.002656\end{array}$ $\begin{array}{lllll}0.067598 & 0.313037 & 0.632427 & 0.735122\end{array}$ 0.0530670 .2292671 .0156210 .576187 0.0659770 .2512611 .0900180 .538506


$\begin{array}{rrrrrrrrr}1000 & 1104.585 & 0.006035 & 0.104545 & 0.093259 & 0.074059 & 3.953608 & 4.364116 & 0.00645 \\ 1000 & 1257.54 & 0.065368 & 0.110976 & 0.120624 & 0.081112 & 5.414032 & 4.129046 & 0.007418 \\ 1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288\end{array}$ $\begin{array}{lllllllll}1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288 \\ 1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082608 & 3.609368 & 0.008277\end{array}$ $\begin{array}{lllllllll}1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082668 & 3.609368 & 0.008277 \\ 1000 & 767.6288 & 0.002344 & 0.081015 & 0.093444 & 0.094608 & 3.623066 & 3.352541 & 0.00612\end{array}$ $\begin{array}{lllllllll}1000 & 1346.292 & 0.005777 & 0.142547 & 0.109712 & 0.127866 & 4.094525 & 4.147194 & 0.007168\end{array}$ $\begin{array}{lllllllll}1000 & 889.9435 & 0.009896 & 0.107471 & 0.062839 & 0.117472 & 4.082828 & 4.094529 & 0.006147\end{array}$ $\begin{array}{lllllllll}100 & 9566.3881 & 0.006035 & 0.151806 & 0.134978 & 0.09348 & 3.534949 & 4.103572 & 0.003367 \\ 1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139677 & 3.822485 & 0.005259\end{array}$ $\begin{array}{lllllllll}1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139767 & 3.822485 & 0.005259 \\ 1000 & 1102252 & 0.0101014 & 0.129579 & 0.10221 & 0.114552 & 5.367171 & 4.851436 & 0.00654\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1102.252 & 0.011014 & 0.149579 & 0.10221 & 0.114552 & 5.366171 & 4.851436 \\ 1000 & 1108.405 & 0.00948 & 0.112798 & 0.123083 & 0.074963 & 4.642873 & 4.118653 \\ 0.005795\end{array}$ $\begin{array}{llllllllll}1000 & 895.7373 & 0.009562 & 0.094821 & 0.095261 & 0.097149 & 3.040463 & 3.6052 & 0.005737\end{array}$ $\begin{array}{llllllllll}1000 & 837.7235 & 0.012442 & 0.106334 & 0.077864 & 0.081389 & 3.868081 & 4.069236 & 0.006191\end{array}$ $\begin{array}{lllllllll}1000 & 1098.392 & 0.012208 & 0.100269 & 0.102364 & 0.097104 & 4.013613 & 3.208568 & 0.004877\end{array}$ $\begin{array}{lllllllllll}1000 & 884.7027 & 0.01706 & 0.108713 & 0.131075 & 0.154975 & 4.179335 & 3.977426 & 0.010221\end{array}$ $\begin{array}{lllllllll}1000 & 1007.146 & 0.013022 & 0.110895 & 0.11053 & 0.11447 & 4.241605 & 4.00682 & 0.006656 \\ 1000 & 1028.177 & 0.000105 & 0.097764 & 0.117145 & 0.097033 & 3.735913 & 3.95997 & 0.006589\end{array}$ $\begin{array}{lllllllll}1000 & 1028.177 & 0.006105 & 0.097764 & 0.107145 & 0.097033 & 3.735913 & 3.955977 & 0.006589 \\ 1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309\end{array}$ $\begin{array}{lllllllll}1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309 \\ 1000 & 1185.576 & 0.009078 & 0.144852 & 0.169585 & 0.120745 & 4.523395 & 4.465378 & 0.007665\end{array}$ $\begin{array}{lllllllllll}1000 & 950.5291 & 0.009091 & 0.139177 & 0.086629 & 0.151678 & 4.747335 & 4.246047 & 0.007793\end{array}$ $\begin{array}{llllllllllll}1000 & 834.5023 & 0.011622 & 0.120635 & 0.068397 & 0.140954 & 3.26875 & 3.499491 & 0.009605\end{array}$ $\begin{array}{llllllllll}1000 & 739.873 & 0.007514 & 0.096104 & 0.139823 & 0.114192 & 2.660341 & 2.781871 & 0.005785\end{array}$ $\begin{array}{lllllllll}1000 & 2071.548 & 0.015152 & 0.185146 & 0.174935 & 0.157428 & 4.619002 & 5.343776 & 0.007895\end{array}$ $\begin{array}{llllllll}1000 & 1305.815 & 0.009038 & 0.148201 & 0.095118 & 0.137948 & 3.705276 & 4.482354 \\ 1000 & 7006679\end{array}$ $\begin{array}{lllllllll}1000 & 773.2958 & 0.004765 & 0.183434 & 0.060694 & 0.115833 & 4.045818 & 3.392222 & 0.005093 \\ 1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683 \\ 1000 & 1210.22 & 0.009188 & 0.124234 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174\end{array}$ $\begin{array}{rrrrrrrrr}100 & 1110.22 & 0.009188 & 0.124634 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174 \\ 1000 & 1125.653 & 0.010462 & 0.156559 & 0.132135 & 0.119664 & 5.037179 & 4.350906 & 0.005481\end{array}$ $\begin{array}{lllllllll}1000 & 889.8157 & 0.002976 & 0.068199 & 0.056156 & 0.064095 & 4.470407 & 3.054077 & 0.0004399\end{array}$ $\begin{array}{lllllllll}1000 & 1102.592 & 0.001774 & 0.082192 & 0.067496 & 0.072232 & 4.256491 & 3.368424 & 0.002697\end{array}$ $\begin{array}{llllllllll}1000 & 1679.977 & 0.005548 & 0.101486 & 0.090769 & 0.097152 & 4.548325 & 5.144612 & 0.003175\end{array}$ | 1000 | 1198.4 | 0.004685 | 0.082437 | 0.136621 | 0.076201 | 5.09823 | 4.230119 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1037.254 | 0.004346 | 0.092671 | 0.0947713 | 0.078129 | 4.180365 | 4.112147 | $\begin{array}{lllllllll}1000 & 1037.254 & 0.004346 & 0.092671 & 0.094713 & 0.078129 & 4.180365 & 4.112147 & 0.007656\end{array}$ $\begin{array}{lllllllll}1000 & 1094.13 & 0.006966 & 0.088417 & 0.105626 & 0.111897 & 4.139989 & 4.449202 & 0.007517\end{array}$ | 1000 | 954.5932 | 0.005921 | 0.107152 | 0.068928 | 0.141843 | 4.986799 | 3.91965 | 0.014538 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017\end{array}$ $\begin{array}{lllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017 \\ 1000 & 668.541 & 0.011409 & 0.126087 & 0.156438 & 0.086027 & 3.915031 & 3.766427 & 0.007202\end{array}$ $\begin{array}{lllllllll}1000 & 1320.996 & 0.014521 & 0.157875 & 0.079361 & 0.157503 & 5.282454 & 5.699404 & 0.014634\end{array}$ $\begin{array}{lllllllll}1000 & 1054.252 & 0.018354 & 0.149633 & 0.138198 & 0.135136 & 4.574326 & 4.412258 & 0.013951\end{array}$ $\begin{array}{llllllllll}1000 & 827.7968 & 0.00777 & 0.094939 & 0.072102 & 0.088051 & 3.866194 & 3.553529 & 0.0034494\end{array}$ $\begin{array}{lllllllll}1000 & 1221.32 & 0.002555 & 0.11232 & 0.116552 & 0.090394 & 4.27087 & 4.26617 & 0.007996 \\ 1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822\end{array}$ $\begin{array}{lllllllll}1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822 \\ 1000 & 1240.728 & 0.012871 & 0.133032 & 0.099552 & 0.120324 & 4.930731 & 4.585453 & 0.01616\end{array}$ | 1000 | 603.0229 | 0.008228 | 0.094646 | 0.063427 | 0.095816 | 3.8018 | 3.332945 | 0.010588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}100 & 63.0229 & 0.008228 & 0.094646 & 0.063427 & 0.095816 & 3.8018 & 3.332945 \\ 10.0100588 \\ 100 & 1047.295 & 0.008957 & 0.097216 & 0.107991 & 0.122217 & 5.531403 & 4.437567 \\ 0.012843\end{array}$ $\begin{array}{lllllllll}1000 & 786.9462 & 0.007696 & 0.155031 & 0.068315 & 0.116813 & 4.414235 & 4.449219 & 0.009404\end{array}$ $\begin{array}{lllllllll}1000 & 998.9427 & 0.010061 & 0.203719 & 0.119222 & 0.147068 & 6.06349 & 4.977139 & 0.013678 \\ 1000 & 1049 & 045 & 0.07143 & 0.14607 & 0.12654 & 0.103038 & 4.3249 & 4.43859\end{array}$ | 1000 | 1049.264 | 0.007143 | 0.144607 | 0.123647 | 0.103038 | 4.32489 | 4.435859 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 818.5269 & 0.010941 & 0.106948 & 0.112545 & 0.118318 & 3.529968 & 3.6833236 & 0.007371 \\ 1000 & 909.6484 & 0.012093 & 0.161649 & 0.16 & 0.114391 & 3948704 & 3.933055 & 0.011073\end{array}$ $\begin{array}{rrrrrrrr}000 & 909.6484 & 0.012093 & 0.161649 & 0.162 & 0.114391 & 3.948704 & 3.933055 \\ 1000 & 10866.072 & 0.011073\end{array}$ $\begin{array}{lllllllll}1000 & 1086.672 & 0.011882 & 0.192049 & 0.161915 & 0.136467 & 4.215195 & 4.632561 & 0.010161 \\ 1000 & 1050.723 & 0.011154 & 0.156771 & 0.135526 & 0.184147 & 5.598658 & 3.875003 & 0.005218\end{array}$ $\begin{array}{lllllllll}1000 & 1287.95 & 0.009071 & 0.161222 & 0.101892 & 0.121418 & 3.217528 & 3.091693 & 0.008725\end{array}$ | 1000 | 1292.464 | 0.016846 | 0.17516 | 0.092006 | 0.1214379 | 4.62898 | 3.575707 | 0.000922 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 965.1603 & 0.020637 & 0.14464 & 0.137199 & 0.107438 & 4.273696 & 4.634317 & 0.010397\end{array}$ $\begin{array}{lllllllll}1000 & 761.6293 & 0.009266 & 0.100747 & 0.115459 & 0.081211 & 3.279596 & 2.516649 & 0.004568 \\ 1000 & 1533.3 & 0.012946 & 0.148041 & 0.082667 & 0.173166 & 4.253332 & 5.062553 & 0.0074466\end{array}$ | 1000 | 1533.3 | 0.012946 | 0.148041 | 0.082667 | 0.173166 | 4.253332 | 5.062553 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1004.464 | 0.005833 | 0.130589 | 0.144131 | 0.128514 | 3.38235 | 3.669022 | $\begin{array}{lllllllll}1000 & 1004.464 & 0.005833 & 0.130589 & 0.144131 & 0.128514 & 3.38235 & 3.669022 & 0.007115 \\ 1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865\end{array}$ $\begin{array}{lllllllll}1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865 \\ 1000 & 1398.472 & 0.008961 & 0.118102 & 0.125651 & 0.116338 & 4.41598 & 4.635854 & 0.012835\end{array}$ $\begin{array}{llllllllll}1000 & 626.3881 & 0.003477 & 0.072847 & 0.078916 & 0.07236 & 2.788303 & 2.278825 & 0.006775\end{array}$ $\begin{array}{llllllllll}1000 & 1193.053 & 0.008992 & 0.093745 & 0.039915 & 0.086896 & 2.834928 & 2.725949 & 0.007133\end{array}$ $\begin{array}{llllllllll}1000 & 638.3693 & 0.003977 & 0.083763 & 0.091754 & 0.068009 & 4.051773 & 3.434407 & 0.0045\end{array}$


| 281.941 | 113.01 | 160.03 | 495.78 | 438.61 | 7003.66 | 100848.2 | 211.05 | 161.03 | 25 | 156.03 | 5122.72 | 47459.26 | 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 282.2748 | 115.01 | 195.04 | 274.24 | 330.34 | 6329.78 | 141856.9 | 214.05 | 158.03 | 28 | 146.02 | 5785.61 | 40273.83 | 20 |
| 282.6086 | 113.01 | 138.02 | 291.27 | 316.32 | 6556.87 | 135626.7 | 193.04 | 167.03 | 28 | 151.02 | 6087.52 | 35927.57 | 32 |
| 282.943 | 113.01 | 145.02 | 300.28 | 61 | 127 | 113473.2 | 215.05 | 173.03 | 25 | 129.02 | 7275.8 | 38767.71 | 21 |
| 283.2768 | 120.01 | 145.02 | 269.23 | 313.31 | 6916.92 | 124810.5 | 203.04 | 224.05 | 27 | 133.02 | 4743.6 | 39250.72 | 20 |
| 283.6106 | 158.03 | 154.02 | 213.14 | 377.45 | 7337.48 | 117611.6 | 219.05 | 149.02 | 16 | 137.02 | 6013.54 | 42658.75 | 20 |
| 283.9449 | 127.02 | 129.02 | 441.62 | 401.51 | 9615.27 | 107721.3 | 213.05 | 167.03 | 26 | 158.03 | 5184.42 | 43455.3 | 22 |
| 284.2788 | 101.01 | 169.03 | 274.24 | 510.82 | 10170.88 | 172748.4 | 227.06 | 143.02 | 34 | 154.03 | 5554.76 | 40609.9 | 30 |
| 284.6126 | 102.01 | 180.03 | 270.23 | 339.36 | 7275.69 | 98657.13 | 191.04 | 199.04 | 31 | 189.04 | 4454.74 | 40597.89 | 30 |
| 284.94 | 145.02 | 141.02 | 29. | 395. | 11687.74 | 93 | 250.07 | 213.05 | 34 | 40.0 | 6033.81 | 57005.0 | 9 |
| 285.2818 | 113.01 | 157.03 | 322.33 | 433.59 | 8731.54 | 135640.7 | 213.05 | 158.03 | 30 | 171.03 | 4350.7 | 37450.6 | 20 |
| 285.6156 | 106.01 | 205.04 | 429.58 | 445.63 | 9030.87 | 149360.6 | 240.06 | 185.04 | 29 | 189.04 | 4637.55 | 39224.6 | 18 |
| 285.95 | 102.01 | 142.02 | 332.35 | 430.59 | 8816.1 | 141602.7 | 220.05 | 168.03 | 39 | 150.02 | 5957.82 | 37622.01 | 24 |
| 286.2838 | 97.01 | 116.01 | 266.22 | 367.43 | 6938.86 | 135709.6 | 211.05 | 170.03 | 24 | 140.02 | 4954.88 | 46294.63 | 18 |
| 286.6176 | 96.01 | 171.03 | 273.24 | 614.19 | 6305.84 | 184683.4 | 204.04 | 142.02 | 33 | 179.03 | 5255.2 | 40618.6 | 14 |
| 286.9519 | 121.02 | 155.03 | 297.28 | 472.71 | 8088.24 | 115908.3 | 205.05 | 157.03 | 18 | 179.03 | 5226. | 35578.6 | 29 |
| 287.2858 | 99.01 | 142.02 | 326.34 | 453.65 | 7296.63 | 108100.1 | 264.08 | 141.02 | 18 | 125.02 | 4818.4 | 39488.05 | 23 |
| 287.6196 | 136.02 | 181.03 | 249.2 | 470.7 | 6571.46 | 154130.3 | 205.05 | 139.02 | 19 | 158.03 | 5399.91 | 48225.06 | 14 |
| 287.9539 | 109.01 | 127.02 | 374.44 | 453.65 | 8500.29 | 173146.1 | 217.05 | 145.02 | 19 | 98.01 | 6444.39 | 42158.03 | 24 |
| 288.2878 | 134.02 | 142.02 | 345.38 | 40.52 | 8678.72 | 122186.1 | 221.05 | 139.02 | 26 | 139.02 | 35.5 | 46282.48 | 22 |
| 288.6216 | 154.02 | 106.01 | 337.36 | 309.3 | 8137.72 | 105499.7 | 181.04 | 142.02 | 18 | 101.01 | 5071.15 | 43155.61 | 22 |
| 288.9559 | 143.02 | 167.03 | 341.37 | 439.61 | 7844.25 | 106856.9 | 236.06 | 139.02 | 28 | 129.02 | 6498.15 | 44238 | 21 |
| 289.2897 | 206.04 | 142.02 | 261.22 | 373.44 | 8253.57 | 103658.7 | 181.04 | 175.03 | 31 | 119.02 | 5180.37 | 53041.81 | 28 |
| 289.6236 | 151.02 | 118.01 | 410.53 | 359.41 | 6828.13 | 134379.3 | 194.04 | 207.05 | 25 | 205.05 | 6052.05 | 41141.77 | 31 |
| 289.9579 | 182.03 | 131.02 | 540.92 | 326.34 | 10308.47 | 164506.7 | 212.05 | 142.02 | 26 | 147.02 | 4876.0 | 51253.7 | 24 |
| 290.2917 | 203.04 | 156.03 | 293.27 | 331.35 | 8705.13 | 167189.1 | 209.05 | 159.03 | 37 | 166.03 | 6166.5 | 41410.66 | 17 |
| 290.6255 | 164.03 | 131.02 | 356.4 | 557.98 | 7412.92 | 149084.3 | 207.05 | 149.02 | 26 | 148.02 | 6142.25 | 44561.26 | 26 |
| 290.9599 | 212.05 | 146.02 | 276.24 | 403.51 | 8355.79 | 115493.3 | 259.07 | 199.04 | 33 | 153.03 | 5374.61 | 42083.56 | 18 |
| 291.2937 | 213.05 | 171.03 | 297.28 | 396.5 | 7600.63 | 141879.1 | 169.03 | 293.09 | 24 | 147.02 | 4897.26 | 44792.45 | 27 |
| 291.6275 | 254.07 | 157.03 | 350.39 | 878.43 | 12372.61 | 135568.8 | 186.04 | 215.05 | 29 | 164.03 | 6911.18 | 49577.9 | 33 |
| 291.9619 | 191.04 | 121.02 | 345.38 | 491.76 | 13403.75 | 143773.9 | 239.06 | 170.03 | 38 | 152.03 | 6202.0 | 55171.82 | 30 |
| 292.2957 | 194.04 | 132.02 | 238.18 | 91.76 | 6489.12 | 122288.5 | 242.06 | 180.04 | 22 | 172.03 | 6406.8 | 52549. | 26 |
| 292.63 | 219.05 | 112.01 | 409.53 | 368.43 | 7737.1 | 125469.8 | 230.06 | 191.04 | 47 | 130.02 | 7754.63 | 44769.33 | 29 |
| 292.9649 | 191.04 | 172.03 | 450.64 | 385.47 | 11457.58 | 132037.5 | 283.09 | 188.04 | 34 | 158.03 | 5434.31 | 55795.65 | 27 |
| 293.2987 | 244.06 | 147.02 | 315.31 | 422.56 | 10413.09 | 124175.9 | 257.07 | 188.04 | 22 | 213.05 | 5745.1 | 93518.92 | 35 |
| 293.6325 | 211.05 | 128.02 | 370.43 | 353.39 | 6972.3 | 165493.4 | 256.07 | 227.06 | 24 | 171.03 | 5824 | 61632.97 | 34 |
| 293.9669 | 211.05 | 144.02 | 380.46 | 386.47 | 6468.28 | 107299.4 | 303.1 | 193.04 | 43 | 195.04 | 6599 | 62510.45 | 24 |
| 294.3007 | 173.03 | 148.02 | 419.56 | 695.53 | 8113.5 | 129317.2 | 338.12 | 227.06 | 21 | 158.03 | 6214.2 | 48603.42 | 20 |
| 294.635 | 191.04 | 136.02 | 324.33 | 304.29 | 12800.1 | 189095.6 | 291.09 | 199.04 | 45 | 156.03 | 8305.24 | 53741.41 | 31 |
| 294.9688 | 302.09 | 116.01 | 271.23 | 894.52 | 7824.29 | 169879.9 | 234.06 | 202.04 | 47 | 190.04 | 6874.63 | 59447.84 | 17 |
| 295.3026 | 231.06 | 167.03 | 426.57 | 427.58 | 8666.04 | 121768.8 | 268.08 | 222.05 | 20 | 160.03 | 6112.85 | 48401.45 | 32 |
| 295.637 | 260.07 | 137.02 | 484.74 | 290.27 | 10011.02 | 145464.1 | 295.59 | 178.03 | 19 | 183.04 | 6411.9 | 56685.5 | 23 |
| 295.9708 | 226.05 | 157.03 | 329.34 | 484.74 | 6720.62 | 183552.9 | 240.06 | 187.04 | 43 | 146.02 | 7063.4 | 55616.52 | 24 |
| 296.3046 | 274.08 | 118.01 | 337.36 | 453.65 | 8392.7 | 172811.1 | 257.07 | 207.05 | 18 | 166.03 | 6698.02 | 58603.87 | 24 |
| 296.639 | 195.04 | 144.02 | 270.23 | 318.32 | 10207.13 | 162922.5 | 328.12 | 211.05 | 40 | 184.04 | 5800.8 | 43807.92 | 44 |
| 296.9728 | 188.04 | 124.02 | 260.21 | 523.87 | 6726.88 | 104165.9 | 258.07 | 183.04 | 28 | 189.04 | 6646.27 | 52002.12 | 25 |
| 297.3066 | 188.04 | 139.02 | 274.24 | 334.35 | 7635.26 | 127653.8 | 280.08 | 185.04 | 31 | 164.03 | 6429.18 | 44125.61 | 38 |
| 297.641 | 190.04 | 129.02 | 330.34 | 401.51 | 7546.08 | 137971.9 | 263.07 | 161.03 | 23 | 126.02 | 4944.77 | 52797.62 | 30 |
| 297.9748 | 247.06 | 155.03 | 386.47 | 505.81 | 7024.57 | 104420.3 | 254.07 | 144.02 | 31 | 163.03 | 7099.04 | 41007.39 | 27 |
| 298.3086 | 144.02 | 167.03 | 385.47 | 324.33 | 12801.19 | 128938.7 | 324.11 | 185.04 | 37 | 156.03 | 5339.19 | 53549.59 | 21 |
| 298.6429 | 143.02 | 144.02 | 356.4 | 401.51 | 8228.28 | 134321.5 | 239.06 | 229.06 | 25 | 155.03 | 6371.37 | 49267.67 | 14 |
| 298.9768 | 159.03 | 149.02 | 234.17 | 435.6 | 7746.55 | 98324.29 | 259.07 | 189.04 | 30 | 113.01 | 6749.78 | 46001.98 | 41 |
| 299.3106 | 172.03 | 192.04 | 233.17 | 291.27 | 9548.34 | 155218.2 | 242.06 | 133.02 | 24 | 137.02 | 5250.17 | 40411.29 | 4 |
| 299.6449 | 185.04 | 195.04 | 368.43 | 324.33 | 8792.85 | 117946.9 | 230.06 | 171.03 | 22 | 133.02 | 4713.33 | 53489.03 | 19 |
| 299.9788 | 159.03 | 173.03 | 261.22 | 311.31 | 11174.1 | 148494 | 214.05 | 146.02 | 19 | 107.01 | 5046.88 | 38128.82 | 24 |
| 300.3126 | 131.02 | 124.02 | 297.28 | 361.41 | 10670.64 | 207061.8 | 220.05 | 129.02 | 18 | 149.02 | 4549.67 | 46240.5 | 19 |
| 300.6479 | 167.03 | 179.03 | 358.41 | 329.34 | 7804.32 | 128759.5 | 197.04 | 147.02 | 29 | 150.02 | 4465.8 | 40948.39 | 27 |
| 300.9818 | 174.03 | 168.03 | 302.29 | 472.71 | 8025.1 | 155659.8 | 226.06 | 152.03 | 27 | 138.02 | 5230.9 | 46840.65 | 5 |
| 301.3156 | 149.02 | 177.03 | 284.26 | 348.38 | 8178.78 | 147030.1 | 226.06 | 176.03 | 32 | 168.03 | 6243.62 | 43300.49 | 21 |
| 301.6499 | 134.02 | 131.02 | 501.79 | 319.32 | 9932.22 | 154920.3 | 193.04 | 187.04 | 22 | 161.03 | 6204.08 | 45228.71 | 13 |
| 301.9837 | 120.01 | 121.02 | 257.21 | 378.45 | 6908.56 | 140342 | 218.05 | 147.02 | 29 | 149.02 | 4640.58 | 52452.86 | 17 |
| 302.3176 | 136.02 | 124.02 | 315.31 | 321.33 | 6792.63 | 137934.1 | 188.04 | 162.03 | 36 | 128.02 | 6081.44 | 40647.01 | 16 |
| 302.6519 | 126.02 | 153.02 | 341.37 | 286.26 | 8911.29 | 118819 | 151.02 | 119.02 | 23 | 142.02 | 4813.3 | 54588.12 | 16 |
| 302.9857 | 100.01 | 136.02 | 513.8 | 312.31 | 12475.33 | 102174 | 163.03 | 154.0 | 27 | 99.01 | 4870.98 | 48786.61 | 18 |

$\begin{array}{llll}0.073592 & 0.3953 & 1.515117 & 1.031364\end{array}$ $\begin{array}{lllll}0.084117 & 0.548314 & 0.924519 & 1.031364 \\ 0.841048\end{array}$ $\begin{array}{llll}0.078608 & 0.354928 & 0.948291 & 0.774391\end{array}$ $\begin{array}{llll}0.040461 & 0.193704 & 0.50329 & 0.947215 \\ 0.083122 & 0.35672 & 0.836435\end{array}$ $\begin{array}{llll}0.083122 & 0.356742 & 0.83046 & 0.726435 \\ 0.122424 & 0.360886 & 0.618622 & 0.838173\end{array}$ $\begin{array}{llll}0.065991 & 0.223243 & 0.982515 & 0.8833483\end{array}$ $\begin{array}{lllll}0.040638 & 0.289925 & 0.575307 & 0.834709 \\ 0.057932\end{array}$ $\begin{array}{lllll}0.057982 & 0.43564 & 0.792452 & 0.753431 \\ 0.067384 & 0.2304239 & 0.621022 & 0.553322\end{array}$ $\begin{array}{lllll}0.059026 & 0.310169 & 0.78848 & 0.817139\end{array}$ $\begin{array}{llllll}0.050478 & 0.406487 & 1.017467 & 0.813442\end{array}$ $\begin{array}{llllll}0.047849 & 0.273053 & 0.805332 & 0.803329\end{array}$ $\begin{array}{llllll}0.054669 & 0.271775 & 0.818514 & 0.860997\end{array}$ $\begin{array}{llllll}0.05881 & 0.47404 & 0.924623 & 1.634125\end{array}$ $\begin{array}{lllll}0.072144 & 0.329885 & 0.784671 & 0.96701\end{array}$ $\begin{array}{llll}0.054319 & 0.329928 & 0.955383 & 1.026112\end{array}$ $\begin{array}{lllll}0.056631 & 0.247814 & 0.941634 & 0.880781\end{array}$ $\begin{array}{lllll}0.079973 & 0.277376 & 0.850337 & 0.765362\end{array}$ $\begin{array}{lllllllll}0.106192 & 0.207086 & 0.885708 & 0.608787\end{array}$ $\begin{array}{lllllllll}0.09824 & 0.370824 & 0.929834 & 0.923055\end{array}$ $\begin{array}{lllll}0.158302 & 0.291667 & 0.67509 & 0.736596\end{array}$ $\begin{array}{lllll}0.122828 & 0.282057 & 1.285847 & 0.854353\end{array}$ $\begin{array}{llll}0.106933 & 0.212119 & 1.123367 & 0.50957\end{array}$ $\begin{array}{llll}0.147158 & 0.308806 & 0.719158 & 0.613542 \\ 0.128062 & 0.294995 & 1.027509 & 1.256966\end{array}$ $\begin{array}{llllll}0.162482 & 0.297697 & 0.705447 & 0.790727\end{array}$ $\begin{array}{llllll}0.179748 & 0.393266 & 0.835023 & 0.853125\end{array}$ 0.1386040 .2188780 .6051271 .207443 $\begin{array}{lllll}0.087953 & 0.148169 & 0.55054 & 0.608409\end{array}$ $\begin{array}{llll}0.18563 & 0.340092 & 0.782423 & 1.256891\end{array}$ $\begin{array}{lllll}0.183172 & 0.233362 & 1.131971 & 0.774415\end{array}$ $\begin{array}{llll}0.102894 & 0.262611 & 0.841419 & 0.549003 \\ 0.156516 & 0.240797 & 0.64644 & 0.66576\end{array}$ 1935110.3050131 .1356910 .021533 $\begin{array}{llllllll}0.208594 & 0.378392 & 1.257525 & 0.975307\end{array}$ $\begin{array}{lllll}0.126435 & 0.311532 & 1.106003 & 1.445875\end{array}$ $\begin{array}{lllll}0.092101 & 0.178655 & 0.54118 & 0.380141\end{array}$ $\begin{array}{llll}0.271389 & 0.241013 & 0.739622 & 1.945583\end{array}$ $\begin{array}{llll}0.175319 & 0.335652 & 1.052848 & 0.811148\end{array}$ $\begin{array}{lllll}0.176404 & 0.23044 & 1.038197 & 0.461495\end{array}$ $\begin{array}{llllll}0.224622 & 0.229465 & 0.858793 & 0.892075\end{array}$ $\begin{array}{lllll}0.118834 & 0.239764 & 0.564824 & 0.500844\end{array}$ $\begin{array}{lllll}0.171482 & 0.30422 & 0.82512 & 1.296215\end{array}$ $\begin{array}{lllllll}0.151075 & 0.307413 & 0.766407 & 0.706427\end{array}$ $\begin{array}{llllll}0.155115 & 0.284473 & 0.935181 & 0.870943\end{array}$ $\begin{array}{lllll}0.235668 & 0.379849 & 1.176295 & 1.196156\end{array}$ $\begin{array}{llll}0.060858 & 0.227212 & 0.643732 & 0.407575\end{array}$ $\begin{array}{lllll}0.093654 & 0.297438 & 0.924699 & 0.798719\end{array}$ $\begin{array}{lllll}0.106541 & 0.357153 & 0.520421 & 0.4857\end{array}$ $\begin{array}{lllll}0.12828 & 0.394688 & 0.895613 & 0.593411\end{array}$ 0.0811440 .2710690 .4986160 .446489 $\begin{array}{llllll}0.062651 & 0.191764 & 0.594741 & 0.549937\end{array}$ $\begin{array}{llllll}0.124907 & 0.403555 & 0.981499 & 0.679857\end{array}$ $\begin{array}{llll}0.128888 & 0.364965 & 0.804258 & 0.97462\end{array}$ 0.10046 $\begin{array}{llllll}0.083223 & 0.287509 & 0.794086 & 0.892764\end{array}$ $\begin{array}{lllll}104689 & 0.301274 & 0.991403 & 0.760449\end{array}$ $0.0702510 .294888 \quad 0.8184730 .510564$ 0.0324490 .1833070 .8815730 .401318

$\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724\end{array}$ $\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724 \\ 1000 & 1314.134 & 0.0126 & 0.143344 & 0.148397 & 0.134237 & 5.213793 & 4.323989 & 0.009377 \\ 1000 & 1212.845 & 0.008761 & 0.146329 & 0.143256 & 0.135258 & 5300213 & 3.723712 & 0.014662\end{array}$ $\begin{array}{llllllllll}1000 & 122.822 .8042 & 0.006344 & 0.078045 & 0.065562 & 0.056775 & 3.26906 & 206815 & 0.0049\end{array}$ $\begin{array}{lllllllllllll}1000 & 1057.926 & 0.00984 & 0.186461 & 0.130779 & 0.108862 & 3.89746 & 3.856332 & 0.008581\end{array}$ $\begin{array}{llllllllll}1000 & 939.6962 & 0.011593 & 0.11654 & 0.071253 & 0.106675 & 4.67773 & 3.950891 & 0.008089\end{array}$ $\begin{array}{lllllllll}1000 & 656.6868 & 0.008184 & 0.099776 & 0.090462 & 0.097649 & 3.069346 & 3.071073 & 0.00681\end{array}$ $\begin{array}{lllllllll}1000 & 995.9863 & 0.009199 & 0.080652 & 0.112816 & 0.089389 & 3.1128 & 2.713171 & 0.008849 \\ 1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.106755 & .474943 & 3.791959 & 0.012371\end{array}$ $\begin{array}{lllllllll}1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.160755 & 3.474943 & 3.791959 & 0.012371 \\ 1000 & 468.1662 & 0.010095 & 0.104887 & 0.098172 & 0.068873 & 2.946436 & 3.314206 & 0.002193\end{array}$ $\begin{array}{lllllllll} & 1000 & 910.8068 & 0.0009012 & 0.103906 & 0.115518 & 0.118607 & 2.826357 & 2.914637 \\ 0.0006797\end{array}$ $\begin{array}{lllllllllllll}1000 & 969.7647 & 0.011889 & 0.117785 & 0.107846 & 0.129505 & 2.916834 & 2.951496 & 0.005893\end{array}$ $\begin{array}{llllllllll}1000 & 941.7539 & 0.009769 & 0.10948 & 0.149838 & 0.099746 & 3.856378 & 2.899882 & 0.008123\end{array}$ $\begin{array}{llllllll}1000 & 1146.76 & 0.011035 & 0.140776 & 0.115361 & 0.11602 & 4.061689 & 4.534017\end{array} 0.00767$ $\begin{array}{lllllllll}1000 & 1717.709 & 0.010963 & 0.129181 & 0.17648 & 0.17368 & 4.745775 & 4.377571 & 0.006496\end{array}$ $\begin{array}{llllllllll}1000 & 840.095 & 0.008679 & 0.111456 & 0.0773219 & 0.135398 & 3.679415 & 2.989215 & 0.010749\end{array}$ $\begin{array}{lllllllll}000 & 868.459 & 0.018211 & 0.110842 & 0.081165 & 0.095042 & 3.754026 & 3.677707 & 0.009394\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1375.4 & 0.010683 & 0.1212313 & 0.095405 & 0.142891 & 4.681594 & 4.987215 & 0.006233 \\ 1000 & 1194.518 & 0.009757 & 0.097869 & 0.073752 & 0.05795 & 4.331643 & 3.370279 & 0.008424\end{array}$ $\begin{array}{llllllllll}1000 & 825.3739 & 0.010046 & 0.091852 & 0.100227 & 0.0919 & 2.900233 & 3.623924 & 0.007545\end{array}$ $\begin{array}{llllllllll}1000 & 759.9252 & 0.005493 & 0.100095 & 0.072774 & 0.063274 & 3.546043 & 3.603778 & 0.008046\end{array}$ $\begin{array}{lllllllll}1000 & 798.5154 & 0.013146 & 0.101625 & 0.11974 & 0.092197 & 4.73374 & 3.832405 & 0.007957\end{array}$ $\begin{array}{lllllllll}1000 & 736.1666 & 0.005416 & 0.121856 & 0.126414 & 0.078614 & 3.573001 & 4.367172 & 0.010162\end{array}$ $\begin{array}{lllllllll}1000 & 1153.928 & 0.008569 & 0.174465 & 0.122331 & 0.188732 & 5.05947 & 4.094705 & 0.013631\end{array}$ $\begin{array}{lllllllll}1000 & 935.774 & 0.00753 & 0.079013 & 0.084378 & 0.083139 & 2.689425 & 3.378592 & 0.006946 \\ 1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761\end{array}$ $\begin{array}{lllllllll}1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761 \\ 1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487\end{array}$ $\begin{array}{lllllllll}1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487 \\ 1000 & 810.2753 & 0.015265 & 0.137008 & 0.133174 & 0.107921 & 3.664093 & 3.422518 & 0.006369\end{array}$ $\begin{array}{llllllll}1000 & 1094.526 & 0.004204 & 0.2223 & 0.105314 & 0.112766 & 3.663998 & 4.004846 \\ 0.010632\end{array}$ $\begin{array}{llllllllll}1000 & 642.3901 & 0.004042 & 0.100016 & 0.078713 & 0.07949 & 3.194528 & 2.722818 & 0.008017\end{array}$ $\begin{array}{llllllllll}1000 & 628.8855 & 0.00793 & 0.072868 & 0.095958 & 0.066717 & 2.641954 & 2.796912 & 0.006714\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1104.88 & 0.016874 & 0.159471 & 0.112661 & 0.16075 & 5.640984 & 5.503371 & 0.011981 \\ 1000 & 950.7537 & 0.012505 & 0.141978 & 0.206623 & 0.094436 & 5.741114 & 3.93216 & 0.011237\end{array}$ | 1000 | 950.7537 | 0.012505 | 0.141978 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 675.6155 | 0.01306623 | 0.094436 | 5.741144 | 3.93216 | 0.011237 | $\begin{array}{lllllllll}1000 & 675.6155 & 0.013358 & 0.094351 & 0.100145 & 0.081945 & 2.702212 & 3.309064 & 0.007052 \\ 1000 & 699.0919 & 0.012045 & 0.103817 & 0.0702 & 0.129459 & 3.146384 & 6.102771 & 0.010115\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 1391.952 & 0.017838 & 0.18748 & 0.114807 & 0.148541 & 4.765218 & 6.007297 & 0.014668\end{array}$ $\begin{array}{lllllllll}1000 & 972.4422 & 0.026949 & 0.171627 & 0.225703 & 0.187725 & 5.831971 & 6.567721 & 0.011072\end{array}$ $\begin{array}{lllllllll}1000 & 934.4642 & 0.026066 & 0.161105 & 0.085823 & 0.115728 & 4.373668 & 4.070834 & 0.007315\end{array}$ $\begin{array}{llllllllll}1000 & 866.3168 & 0.01262 & 0.089431 & 0.119461 & 0.072188 & 3.719378 & 2.852897 & 0.00727\end{array}$ $\begin{array}{lllllllll}1000 & 1273.248 & 0.012908 & 0.148538 & 0.20432 & 0.150431 & 5.024866 & 5.163222 & 0.00641\end{array}$ $\begin{array}{lllllllll}1000 & 823.7565 & 0.015822 & 0.147482 & 0.076345 & 0.110064 & 4.026913 & 3.795389 & 0.011093 \\ 1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.650954 & 3.84770 & 0\end{array}$ $\begin{array}{lllllllll}1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.659054 & 3.847701 & 0.006847 \\ 1000 & 1601.796 & 0.015977 & 0.160009 & 0.217227 & 0.126429 & 6.013255 & 5.623932 & 0.010656\end{array}$

 $\begin{array}{lllllllll}1000 & 1207.492 & 0.014945 & 0.141934 & 0.070562 & 0.118966 & 4.56244 & 4.745123 & 0.008532 \\ 1000 & 935.9584 & 0.019678 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 & 0.013021\end{array}$ $\begin{array}{lllllllll} & 1000 & 935.9584 & 0.019668 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 \\ 100.013021\end{array}$ $\begin{array}{lllllllll}1000 & 980.2241 & 0.019628 & 0.13932 & 0.136654 & 0.128822 & 4.810954 & 3.927325 & 0.015\end{array}$ $\begin{array}{lllllllll}1000 & 1072.054 & 0.017466 & 0.122536 & 0.101476 & 0.092885 & 3.727004 & 4.754726 & 0.011927 \\ 1000 & 871.3588 & 017403 & 0.117609 & 0.145537 & 0.13896 & 5.782348 & 3.067168 & 0.015504\end{array}$ | 1000 | 871.3598 | 0.017403 | 0.1177609 | 0.148537 | 0.138966 | 5.782348 | 3.967168 | 0.011504 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 50 | 0.486 | 0.015357 | 0.083089 | 0.097764 | 0.0721181 | 2.37546 | 2.844772 | $\begin{array}{lllllllll}1000 & 590.4886 & 0.015357 & 0.083089 & 0.097764 & 0.072181 & 2.37546 & 2.842472 & 0.004875 \\ 1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978\end{array}$ $\begin{array}{lllllllll}1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978 \\ 1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971\end{array}$ $\begin{array}{lllllllll}1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971 \\ 1000 & 953.1981 & 0.011467 & 0.079845 & 0.083828 & 0.081971 & 3.130798 & 2.875965 & 0.0075\end{array}$ $\begin{array}{llllllllll}1000 & 786.3665 & 0.011003 & 0.111745 & 0.083138 & 0.085632 & 3.045788 & 4.138835 & 0.006401\end{array}$ $1000779.17980 .007137 \quad 0.074965 \quad 0.0561010 .050071 \quad 2.569714 \begin{array}{llllll}2.318661 & 0.006408\end{array}$ $\begin{array}{lllllllll}1000 & 1138.032 & 0.008071 & 0.069274 & 0.055496 & 0.081711 & 2.420766 & 2.944648 & 0.005274\end{array}$ $\begin{array}{lllllllll}1000 & 967.2996 & 0.007905 & 0.108083 & 0.124799 & 0.112681 & 3.24776 & 3.565569 & 0.010354\end{array}$ $\begin{array}{llllllllll}000 & 1137.394 & 0.011527 & 0.108725 & 0.112716 & 0.098459 & 3.711297 & 3.966414 & 0.009305\end{array}$ $\begin{array}{lllllllll}1000 & 1054.098 & 0.01131 & 0.123678 & 0.131814 & 0.123897 & 4.359598 & 3.59772 & 0.007631 \\ 1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.567727 & 3.09438 & 0.073815\end{array}$ $\begin{array}{lllllllll}1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.566727 & 3.094386 & 0.003815 \\ 1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726\end{array}$ $\begin{array}{lllllllll}1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726 \\ 1000 & 1190.673 & 0.007676 & 0.136985 & 0.179157 & 0.10538 & 5.111012 & 4.06661 & 0.006932\end{array}$ $\begin{array}{llllllllll}1000 & 781.6559 & 0.00144 & 0.076454 & 0.085927 & 0.092004 & 3.070401 & 4.162695 & 0.005284\end{array}$ $\begin{array}{lllllllll}1000 & 480.0231 & 0.00205 & 0.070863 & 0.072502 & 0.040079 & 2.21988 & 2.657295 & 0.004266\end{array}$



$\begin{array}{llll}0.064153 & 0.428219 & 1.073572 & 1.003504\end{array}$ $\begin{array}{llll}0.140171 & 0.293634 & 0.950208 & 1.022423 \\ 0.138607 & 0.302868 & 0.547557 & 0.758566\end{array}$ $\begin{array}{llllllll}0.205069 & 0.334294 & 0.839476 & 0.990811\end{array}$ $\begin{array}{lllll}0.117092 & 0.327536 & 0.664661 & 0.615615\end{array}$ $\begin{array}{llllll}0.070089 & 0.348601 & 0.742771 & 0.717867\end{array}$ $\begin{array}{lllll}0.14173 & 0.401964 & 1.244778 & 0.727814\end{array}$ $\begin{array}{llll}0.14673 & 0.441382 & 0.728918 & 0.86081 \\ 0.05107 & 0.16422 & 0.389158 & 0.847918\end{array}$ $\begin{array}{llll}0.05107 & 0.160429 & 0.389158 & 0.347918 \\ 0.073356 & 0.152928 & 1.109681 & 0.40038\end{array}$ $\begin{array}{lllll}0.092766 & 0.266071 & 0.906047 & 0.641815\end{array}$ $\begin{array}{lllll}0.105051 & 0.44471 & 1.203955 & 0.955418\end{array}$ $\begin{array}{llllll}0.137519 & 0.291295 & 0.840887 & 0.686718\end{array}$ $\begin{array}{llllll}0.134755 & 0.400055 & 1.503777 & 0.933686\end{array}$ $\begin{array}{lllll}0.077926 & 0.214366 & 0.949633 & 0.819108\end{array}$ $\begin{array}{llll}0.164977 & 0.485574 & 1.189996 & 1.260271 \\ & 0.07714\end{array}$ $\begin{array}{llll}0.097614 & 0.317064 & 1.075284 & 0.677857 \\ & 0.08327 & 0.283005 & 0.650712\end{array}$ $\begin{array}{lllll}0.120502 & 0.395006 & 0.788366 & 0.665403\end{array}$ $\begin{array}{lllll}0.095494 & 0.304593 & 1.25892 & 0.871324\end{array}$ $\begin{array}{llll}0.178691 & 0.368321 & 0.723138 & 0.75187\end{array}$ $\begin{array}{lllll}0.092462 & 0.367114 & 1.216624 & 1.691076\end{array}$ $\begin{array}{llllll}0.091478 & 0.319751 & 0.716276 & 0.748216\end{array}$ $\begin{array}{llll}0.076688 & 0.400829 & 0.578085 & 0.899799\end{array}$ $\begin{array}{llll}0.100714 & 0.268723 & 0.557764 & 1.147369\end{array}$ $\begin{array}{llll}0.18815 & 0.250353 & 1.325762 & 0.905227 \\ 0.197822 & 0.317974 & 1.075452 & 1.116858\end{array}$ $\begin{array}{llll}0.170597 & 0.307017 & 0.592119 & 0.909335\end{array}$ $\begin{array}{lllllll}0.222245 & 0.380056 & 0.796409 & 0.808202\end{array}$ $\begin{array}{lllllll}0.212248 & 0.424086 & 0.819878 & 0.86843\end{array}$ $\begin{array}{lllll}0.227464 & 0.46127 & 0.835362 & 1.225868\end{array}$ $\begin{array}{lllll}0.109399 & 0.236563 & 0.587713 & 0.529187 \\ & 0.151325 & 0.296208 & 1.327717 & 0.619148\end{array}$ $\begin{array}{llll}0.151325 & 0.296208 & 1.324717 & 0.610147\end{array}$ $\begin{array}{lllll}0.200734 & 0.288888 & 0.768089 & 0.779582 \\ 0.12759 & 0.285911 & 0.652162 & 0.707576\end{array}$ 0.126570 .31334800 .7545691279064 $\begin{array}{lllll}0.137394 & 0.415276 & 0.726612 & 0.868712\end{array}$ $\begin{array}{lllll}0.106277 & 0.385841 & 0.727755 & 1.01888\end{array}$ $\begin{array}{lllllllll}0.124579 & 0.267779 & 0.901066 & 0.740187\end{array}$ 0.1339760 .4018130 .8351210 .913973 $\begin{array}{llll}0.227371 & 0.369062 & 0.756709 & 1.063088\end{array}$ $\begin{array}{llll}0.142988 & 0.364877 & 0.785734 & 0.765374 \\ & 0.16683 & 0.322104 & 0.663781\end{array}$ $\begin{array}{llll}0.170449 & 0.262537 & 0.652873 \\ 0 & 0.517265\end{array}$ $\begin{array}{lllll}0.28426 & 0.374279 & 1.127742 & 0.658041\end{array}$ $\begin{array}{lllll}0.245513 & 0.24353 & 0.969393 & 0.846725\end{array}$ $\begin{array}{llll}0.168267 & 0.341253 & 1.328516 & 0.943692\end{array}$ $\begin{array}{lllll}0.243765 & 0.412919 & 0.751608 & 0.887613\end{array}$ $\begin{array}{lllll}0.16887 & 0.329726 & 0.649183 & 0.582005\end{array}$ $\begin{array}{llll}0.199974 & 0.40495 & 1.045296 & 0.891274 \\ 0.195102 & 0.265352 & 0.3361 & 0.893641\end{array}$ $\begin{array}{lllll}0.195102 & 0.265352 & 0.93661 & 0.893641 \\ 0.141689 & 0.335065 & 0.812248 & 1.086095\end{array}$ | 0.219309 | 0.345642 | 2.033384 | 1.222271 |
| :--- | :--- | :--- | :--- | 0.1097840 .2973960 .7933151 .053296 $\begin{array}{lllll}0.205643 & 0.261881 & 0.820912 & 1.083314\end{array}$ $\begin{array}{llll}0.143569 & 0.232453 & 1.20309 & 0.561548\end{array}$ $\begin{array}{llll}0.172645 & 0.358922 & 0.681656 & 0.724674\end{array}$ $\begin{array}{llll}0.209062 & 0.472229 & 0.884543 & 1.244\end{array}$ $\begin{array}{llll}0.11362 & 0.268746 & 0.620917 & 0.680286 \\ 0.175269 & 0.420059 & 0.873942 & 0.97393\end{array}$ $\begin{array}{llll}0.115269 & 0.420059 & 0.873942 & 0.97393 \\ 0.150392 & 0.419424 & 1.35535 & 0.962739\end{array}$ $\begin{array}{lllll}0.214344 & 0.400134 & 0.984841 & 1.220825\end{array}$ $\begin{array}{lllll}0.153693 & 0.3126 & 0.611566 & 0.530872\end{array}$ 0.1287230 .2315920 .9233220 .851162

$\begin{array}{lllllllllll}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561 \\ 100 & 1009.83 & 0.011537 & 0.102049 & 0.101 & 0.110023 & 5.890018 & 4.048303 & 0.005168 \\ 1000 & 7225421 & 0.0073 & 0.102356 & 0.09873 & 0.082814 & 3.99296 & 390313 & 0.009318\end{array}$ $\begin{array}{rrrrrrrr}1000 & 722.5421 & 0.0073 & 0.102356 & 0.099873 & 0.082814 & 3.99296 & 3.90313 \\ 0.009318 \\ 1000 & 1303.767 & 0.006945 & 0.126795 & 0.106335 & 0.105594 & 4.05284 & 4.028797 \\ 0.007816\end{array}$ $\begin{array}{lllllllll}1000 & 1468.719 & 0.009617 & 0.093574 & 0.083098 & 0.086163 & 3.98247 & 4.347284 & 0.010149\end{array}$ $\begin{array}{lllllllll}1000 & 1265.676 & 0.006611 & 0.133749 & 0.076141 & 0.10549 & 4.167701 & 3.366054 & 0.004713\end{array}$ $\begin{array}{lllllllll}10000 & 1217.176 & 0.0007694 & 0.2039 & 0.11013 & 0.144815 & 5.108663 & 5.2036264 & 0.00087941 \\ 1000 & 0.13747\end{array}$ $\begin{array}{llllllll}1000 & 12170.257 & 0.0003597 & 0.172183 & 0.234495 & 0.160637 & 5.298311 & 4.7222655 \\ 1000 & 0.0109554 \\ 1000 & 761.5618 & 0.00359 & 0.064412 & 0.075034 & 0.078481 & 2373977 & 1.272426\end{array}$ $\begin{array}{lllllllll}1000 & 761.5618 & 0.003579 & 0.066412 & 0.075034 & 0.078481 & 2.373977 & 1.972426 & 0.002989 \\ 1000 & 541.1439 & 0.003887 & 0.095512 & 0.099387 & 0.071018 & 3.2548 & 2.621313 & 0.005443\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 666.2193 & 0.00873 & 0.109535 & 0.106178 & 0.102754 & 4.080327 & 3.450504 & 0.008829\end{array}$ $\begin{array}{lllllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.539125 & 4.968915 & 0.01309\end{array}$ $\begin{array}{llllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.5392125 & 4.968915\end{array} 0.01309$ $\begin{array}{lllllllll}1000 & 11777.309 & 0.006974 & 0.142679 & 0.101946 & 0.137164 & 5.821989 & 4.765862 & 0.014689\end{array}$ $\begin{array}{lllllllll}1000 & 770.8305 & 0.001586 & 0.12416 & 0.110096 & 0.105407 & 3.300406 & 3.507801 & 0.011028\end{array}$ $\begin{array}{llllllll}1000 & 1151.999 & 0.006522 & 0.169177 & 0.13858 & 0.14385 & 5.258191 & 4.402483 \\ 1000 & 1241.367 & 0.00720972 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 506889\end{array}$ $\begin{array}{lllllllll}1000 & 1241.367 & 0.007272 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 5.060819 & 0.011069 \\ 1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636\end{array}$ $\begin{array}{lllllllll}1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636 \\ 1000 & 1473.146 & 0.009307 & 0.138317 & 0.109451 & 0.153824 & 4.059715 & 4.710853 & 0.007696\end{array}$ $\begin{array}{lllllllllll}1000 & 966.1628 & 0.004894 & 0.134445 & 0.174338 & 0.129753 & 4.613011 & 4.656877 & 0.010829\end{array}$ $\begin{array}{lllllllll}1000 & 1203.369 & 0.006895 & 0.111525 & 0.065892 & 0.124749 & 6.626926 & 5.077498 & 0.009253\end{array}$ $\begin{array}{llllllll}1000 & 959.8813 & 0.0077 & 0.113609 & 0.137747 & 0.142445 & 5.311178 & 4.162853 \\ 0 & 0.013128\end{array}$ $\begin{array}{lllllllll}1000 & 836.3536 & 0.004295 & 0.090361 & 0.04574 & 0.10898 & 3.386657 & 3.330615 & 0.007843\end{array}$ $\begin{array}{llllllllll}1000 & 846.6717 & 0.009314 & 0.125232 & 0.116362 & 0.092421 & 3.447695 & 3.402139 & 0.010669 \\ 1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.09614 & 4.406911 & 3.316749 & 0.010054\end{array}$ $\begin{array}{lllllllll}1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.096614 & 4.406911 & 3.316749 & 0.010054 \\ 1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018\end{array}$ $\begin{array}{lllllllll}1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018 \\ 1000 & 889.9109 & 0.014421 & 0.147095 & 0.148431 & 0.132884 & 5.232413 & 8.299621 & 0.009512\end{array}$ $\begin{array}{llllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529\end{array}$ $\begin{array}{lllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529 \\ 1000 & 1566.007 & 0.009014 & 0.104414 & 0.073815 & 0.087362 & 4.719183 & 4.181501 & 0.006251\end{array}$ $\begin{array}{lllllllll}1000 & 14922.27 & 0.019463 & 0.146279 & 0.088164 & 0.087652 & 4.719183 & 4.181501 & 0.006251 \\ 1000 & 1272335 & 4.469715 & 0.009748\end{array}$ $\begin{array}{lllllllll}1000 & 1232.601 & 0.020557 & 0.153153 & 0.069042 & 0.146379 & 6.120509 & 5.251961 & 0.012305 \\ 1000 & 583.2728 & 0.005053 & 0.082876 & 0.102909 & 0.000287 & 383033 & 3.151745 & 0.012055\end{array}$ $\begin{array}{lllllllll}1000 & 583.27288 & 0.005053 & 0.088276 & 0.10029 & 0.080287 & 3.380303 & 3.151745 & 0.012056 \\ 1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15877 & 5630514 & 4.128274 & 0.08459\end{array}$ $\begin{array}{lllllllll}1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15837 & 5.630514 & 4.128274 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 960.4729 & 0.017961 & 0.232074 & 0.107411 & 0.129209 & 7.594916 & 5.081136 & 0.004667\end{array}$ $\begin{array}{llllllllll}1000 & 1086.937 & 0.010636 & 0.169562 & 0.238057 & 0.163304 & 4.704986 & 4.150655 & 0.011912\end{array}$ $\begin{array}{lllllllll}1000 & 9555.9543 & 0.019108 & 0.148816 & 0.151553 & 0.161313 & 5.081182 & 4.321502 & 0.016432\end{array}$ $\begin{array}{lllllllll}1000 & 1123.867 & 0.015806 & 0.159322 & 0.128121 & 0.201149 & 5.269776 & 4.719362 & 0.010186\end{array}$ $\begin{array}{lllllllll}1000 & 904.6774 & 0.0151 & 0.168578 & 0.153267 & 0.149597 & 6.090176 & 4.683259 & 0.014775\end{array}$
 $\begin{array}{lllllllll}1000 & 1183.671 & 0.016898 & 0.182995 & 0.260827 & 0.166664 & 5.006511 & 5.042121 & 0.011442 \\ 1000 & 944.8484 & 0.013569 & 0.182379 & 0.15304 & 0.19446 & 5.420815 & 5.695089 & 0.013652\end{array}$ $\begin{array}{lllllllll}1000 & 944.8484 & 0.013569 & 0.182379 & 0.153046 & 0.194476 & 5.420815 & 5.695089 & 0.013652 \\ 1000 & 958.666 & 0.01158 & 0.194628 & 0.281344 & 0.177829 & 5.1252 & 4.494743 & 0.01171\end{array}$ $\begin{array}{llllllllll}1000 & 958.666 & 0.01158 & 0.194188 & 0.281344 & 0.17829 & 5.1252 & 4.494743 & 0.01171 \\ 1000 & 759.4089 & 0.017267 & 0.171005 & 0.129457 & 0.119355 & 5.105776 & 3.708357 & 0.011883\end{array}$ $\begin{array}{lllllllll}1000 & 1032.215 & 0.027246 & 0.197718 & 0.198032 & 0.161281 & 4.181784 & 5.245336 & 0.009763\end{array}$ $\begin{array}{llllllll}1000 & 987.8592 & 0.010513 & 0.190424 & 0.174012 & 0.146373 & 3.863268 & 4.735385 \\ 0.008578\end{array}$ $\begin{array}{lllllllll}1000 & 1356.524 & 0.017078 & 0.152932 & 0.158866 & 0.131476 & 5.006098 & 5.672066 & 0.011279\end{array}$ $\begin{array}{llllllllll}1000 & 972.1363 & 0.016554 & 0.124432 & 0.160092 & 0.149319 & 4.486351 & 4.750738 & 0.007207\end{array}$ $\begin{array}{lllllllll}1000 & 758.3561 & 0.018017 & 0.111291 & 0.08496 & 0.157827 & 5.142362 & 4.018699 & 0.001717\end{array}$ $\begin{array}{lllllllll}1000 & 1197.268 & 0.019938 & 0.156896 & 0.124387 & 0.151774 & 7.154569 & 5.428442 & 0.016625 \\ 1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983\end{array}$ $\begin{array}{lllllllll}1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983 \\ 1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855\end{array}$ $\begin{array}{lllllllll}1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855 \\ 1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696\end{array}$ $\begin{array}{lllllllll}1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696 \\ 1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976\end{array}$ $\begin{array}{lllllllll}1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976 \\ 1000 & 1280.897 & 0.01801 & 0.149515 & 0.25728 & 0.146798 & 5.375388 & 4.469335 & 0.011297\end{array}$ $\begin{array}{llllllllll}1000 & 821.0465 & 0.013111 & 0.163307 & 0.103987 & 0.109989 & 3.213904 & 3.01078 & 0.011848 \\ 1000 & 975.0024 & 0.011618 & 0.204645 & 0.128286 & 0.15069 & 4765431 & 424479 & 0.012293\end{array}$ $\begin{array}{lllllllll}1000 & 975.0024 & 0.0111618 & 0.204645 & 0.128286 & 0.150601 & 4.766431 & 4.244479 & 0.012293 \\ 1000 & 1353.707 & 0.01283 & 0.139656 & 0.261777 & 0.175377 & 578856 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1353.707 & 0.012683 & 0.139656 & 0.261776 & 0.175377 & 5.788586 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1226.563 & 0.011309 & 0.110484 & 0.13354 & 0.081493 & 3.712063 & 3.023272 & 0.008563 \\ 1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839\end{array}$ $\begin{array}{lllllllll}1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839 \\ 1000 & 1504.651 & 0.011049 & 0.115888 & 0.136057 & 0.118441 & 4.878296 & 4.716996 & 0.013628\end{array}$ $\begin{array}{lllllllll}1000 & 1504.0151 & 0.011049 & 0.115888 & 0.136037 & 0.118441 & 4.878696 & 4.716996 & 0.013628 \\ 1000 & 1620.102 & 0.019219 & 0.1676 & 0.239357 & 0.137936 & 5.66185 & 4.911747 & 0.019953\end{array}$ $\begin{array}{llllllllll}1000 & 632.2798 & 0.005042 & 0.144944 & 0.117164 & 0.082411 & 3.868752 & 4.352407 & 0.01109\end{array}$ $\begin{array}{llllllllll}1000 & 1209.605 & 0.012007 & 0.12911 & 0.148343 & 0.127153 & 6.186456 & 4.126125 & 0.013601\end{array}$


[^8]$\begin{array}{lllll}0.156802 & 0.336185 & 0.811196 & 0.660281\end{array}$ $\begin{array}{lllll}0.1304 & 0.416108 & 0.982435 & 0.995332\end{array}$ $\begin{array}{lllll}0.164657 & 0.414642 & 1.286325 & 0.814682\end{array}$ $\begin{array}{lllll}0.16333 & 0.265737 & 1.016627 & 1.505779\end{array}$ $\begin{array}{llllll}0.132063 & 0.150153 & 0.593459 & 0.446199\end{array}$ $\begin{array}{lllll}0.18338 & 0.301563 & 0.63704 & 0.547468\end{array}$ $\begin{array}{lllll}0.193288 & 0.348994 & 0.795246 & 0.624657\end{array}$ $\begin{array}{llll}0.182895 & 0.297279 & 1.522326 & 0.996742\end{array}$ | 0.136166 | 0.448932 | 0.812216 | 0.82741 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.166593 & 0.372239 & 0.740077 & 1.233349\end{array}$ $\begin{array}{lllllll}0.119483 & 0.317661 & 0.955944 & 0.74092\end{array}$ $\begin{array}{llllll}0.092751 & 0.364587 & 1.077446 & 0.670345\end{array}$ $\begin{array}{llllll}0.111184 & 0.329618 & 0.804582 & 0.976275\end{array}$ 0.0825080 .3577870 .5741230 .558875 $\begin{array}{llll}0.093419 & 0.380035 & 0.70936 & 0.535006\end{array}$ $\begin{array}{lllll}0.078632 & 0.327271 & 1.287581 & 0.513471\end{array}$ $\begin{array}{llllll}0.06873 & 0.293347 & 0.6105 & 0.782362\end{array}$ $\begin{array}{llll}0.058713 & 0.586136 & 1.66183 & 0.85649\end{array}$ $\begin{array}{llllll}0.091157 & 0.458787 & 0.886809 & 1.100819\end{array}$ 0.0986020 .639120 .9561670 .905655 0.0838030 .2891851 .5191961 .132648 $\begin{array}{llll}0.097156 & 0.378377 & 2.159132 & 1.047872\end{array}$ $\begin{array}{llll}0.165535 & 0.34826 & 1.100388 & 0.813459 \\ 0.130403 & 0.243433 & 0.89218 & 1.434105\end{array}$ $\begin{array}{lllll}0.069843 & 0.25077 & 0.754967 & 0.703251\end{array}$ $\begin{array}{llll}0.151462 & 0.389644 & 1.021839 & 1.226117\end{array}$ $\begin{array}{lllll}0.125203 & 0.400265 & 1.151153 & 1.301608\end{array}$ $\begin{array}{llllll}0.093322 & 0.268268 & 0.916284 & 0.842831\end{array}$ $\begin{array}{llllll}0.117466 & 0.334103 & 1.234876 & 0.721943\end{array}$ $\begin{array}{lllll}0.07016 & 0.351919 & 0.985397 & 0.894241\end{array}$ $\begin{array}{llll}0.09736 & 0.280501 & 0.912747 & 0.839223 \\ 0.148435 & 0.312799 & 1.322028 & 0.928878\end{array}$ $\begin{array}{llll}181878 & 0.324522 & 0.864256 & 0.933392\end{array}$ $\begin{array}{lllll}0.10109 & 0.360152 & 1.134205 & 0.641044\end{array}$ 0.1131840 .2935090 .6708670 .566619 $\begin{array}{llllllll}0.183946 & 0.261541 & 1.167847 & 0.709528\end{array}$ $\begin{array}{lllll}0.127311 & 0.264422 & 0.981861 & 1.405452\end{array}$ $\begin{array}{llll}0.124406 & 0.262854 & 0.643265 & 0.718278\end{array}$ $\begin{array}{llll}0.141174 & 0.194931 & 0.74248 & 0.580795 \\ 0.140729 & 0.340333 & 1.073844 & 0.678784\end{array}$ $\begin{array}{lllll}0.113245 & 0.251153 & 0.756173 & 1185178\end{array}$ $\begin{array}{lllll}0.186409 & 0.501212 & 1.146377 & 0.825026\end{array}$ $\begin{array}{llllll}0.189009 & 0.39367 & 1.206383 & 0.816558\end{array}$ $\begin{array}{lllllll}0.105343 & 0.273787 & 0.624455 & 0.617395\end{array}$ $\begin{array}{lllll}0.094836 & 0.386038 & 0.65701 & 0.783041\end{array}$ $\begin{array}{llll}0.184515 & 0.366662 & 0.841663 & 0.774902\end{array}$ $\begin{array}{lllll}0.159296 & 0.3642 & 0.577803 & 0.930993 \\ 0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.176784 & 0.256771 & 0.663348 & 0.725808\end{array}$ $\begin{array}{llllll}0.272723 & 0.308461 & 0.547783 & 0.806288\end{array}$ $\begin{array}{lllll}0.177843 & 0.236207 & 0.59383 & 0.5019\end{array}$ $\begin{array}{llllllll}0.171904 & 0.229789 & 0.677011 & 0.889999\end{array}$ $\begin{array}{llllll}0.142661 & 0.285705 & 0.707848 & 0.763686\end{array}$ $\begin{array}{lllll}1.250867 & 0.266861 & 0.786235 & 0.787274\end{array}$ $\begin{array}{lllll}0.204669 & 0.302589 & 0.638354 & 0.775784\end{array}$ $\begin{array}{llll}0.277893 & 0.386646 & 1.012239 & 0.704005\end{array}$ $\begin{array}{lllll}0.144698 & 0.26147 & 0.641721 & 0.738944\end{array}$ $\begin{array}{llllllll}0.155367 & 0.24941 & 0.853529 & 0.836242\end{array}$ $\begin{array}{lllll}0.213997 & 0.37382 & 0.937388 & 0.698065\end{array}$


$\begin{array}{llllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688\end{array}$ $\begin{array}{lllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688 \\ 1000 & 1142.785 & 0.012546 & 0.121967 & 0.070598 & 0.106614 & 4.668582 & 4.401344 & 0.015845 \\ 1000 & 848.7296 & 0.010853 & 0.112926 & 0.094467 & 0.087426 & 4072233 & 4.376148 & 0.01277\end{array}$ $\begin{array}{lllllllll} & 1000 & 848.7296 & 0.010853 & 0.119296 & 0.094467 & 0.087426 & 4.072223 & 4.376148 \\ 1000 & 1256.302 & 0.016924 & 0.128327 & 0.097248 & 0.115543 & 6.561202 & 4.883656 & 0.021988\end{array}$ |  | 1000 | 1111.8 | 0.017854 | 0.14843 | 0.175662 | 0.156673 | 4.700749 | 5.092608 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 930.8341 & 0.008851 & 0.109438 & 0.084826 & 0.08084 & 3.122222 & 3.159298 & 0.012982\end{array}$ $\begin{array}{lllllllll}1000 & 931.1121 & 0.009201 & 0.102716 & 0.148806 & 0.117401 & 3.034296 & 3.409186 & 0.007641 \\ 1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.40861 & 3.238818 & 0.008464\end{array}$ $\begin{array}{lllllllll}1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.408601 & 3.239818 & 0.008464 \\ 1000 & 1350.826 & 0.011173 & 0.147193 & 0.17179 & 0.123483 & 4.702893 & 4.875887 & 0.01006\end{array}$ | 1000 | 1350.826 | 0.011173 | 0.147198 | 0.117179 | 0.123483 | 4.708293 | 4.875887 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1029.198 | 0.012516 | 0.118734 | 0.08782 | 0.15033 | 4.75417 | 3.668177 | $\begin{array}{lllllllll}1000 & 1029.198 & 0.012516 & 0.118734 & 0.08782 & 0.15033 & 4.75417 & 3.668177 & 0.013022 \\ 1000 & 1083.312 & 0.004532 & 0.127741 & 0.162303 & 0.100311 & 4.969491 & 4.280666 & 0.00899\end{array}$ $\begin{array}{llllllllll}1000 & 941.5414 & 0.007205 & 0.170751 & 0.09431 & 0.165456 & 5.743736 & 4.801306 & 0.008869\end{array}$ $\begin{array}{llllllllll}1000 & 1121.326 & 0.007873 & 0.111762 & 0.103718 & 0.091189 & 4.249214 & 3.43527 & 0.005157\end{array}$ $\begin{array}{lllllllll}1000 & 1392.806 & 0.002057 & 0.117566 & 0.071279 & 0.104053 & 4.077246 & 4.517924 & 0.006405\end{array}$ $\begin{array}{lllllllll}1000 & 1091.412 & 0.004959 & 0.093483 & 0.127933 & 0.093236 & 4.849564 & 5.131287 & 0.007653\end{array}$ $\begin{array}{lllllllll}1000 & 900.9049 & 0.00151 & 0.094107 \\ 1000 & 0.031457 & 0.038395 & 5.106462 & 5.043172 & 0.004862\end{array}$ $\begin{array}{llllllll}1000 & 814.7465 & 0.006633 & 0.058072 & 0.033558 & 0.063523 & 4.186504 & 4.720677 \\ 1000 & 1169.004543\end{array}$ $\begin{array}{llllllll}1000 & 1169.241 & 0.005851 & 0.078612 & 0.078335 & 0.083863 & 4.821417 & 5.155334 \\ 10.005118 \\ 1000 & 992.3171 & 0.001816 & 0.0529 & 0.043502 & 0.07013 & 4.210088 & 4.24841\end{array} 0.002556$ $\begin{array}{lllllllll}1000 & 1087.796 & 0.003691 & 0.064379 & 0.04535 & 0.054161 & 3.727103 & 3.970125 & 0.00676\end{array}$ $\begin{array}{lllllllll}1000 & 1501.723 & 0.006928 & 0.125066 & 0.073892 & 0.0064441 & 5.986687 & 8.609248 & 0.013161\end{array}$ $\begin{array}{llllllll}1000 & 1741.611 & 0.011028 & 0.081342 & 0.055671 & 0.099129 & 5.652936 & 7.173677 \\ 0.0009522\end{array}$ $\begin{array}{lllllllll}1000 & 1069.434 & 0.01352 & 0.102832 & 0.069983 & 0.083859 & 4.743862 & 5.328806 & 0.006330 \\ 1000 & 807.8561 & 0.005737 & 0.10065 & 0.052482 & 0.109298 & 479463 & 7.116024 & 0.055518\end{array}$ | 1000 | 807.8561 | 0.005737 | 0.10065 | 0.052482 | 0.109298 | 4.74963 | 7.116024 | 0.005518 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1055.094 & 0.006456 & 0.124252 & 0.100999 & 0.108142 & 5.375173 & 6.070532 & 0.00985 \\ 1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825\end{array}$ $\begin{array}{lllllllll}1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825 \\ 1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551\end{array}$ $\begin{array}{lllllllll}1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551 \\ 1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915\end{array}$ $\begin{array}{lllllllll}1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915 \\ 1000 & 1037.89 & 0.013717 & 0.131911 & 0.074119 & 0.158432 & 4.577732 & 5.320336 & 0.015367\end{array}$ $\begin{array}{lllllllll}1000 & 12655.879 & 0.018224 & 0.170052 & 0.195236 & 0.1554158 & 5.577732 & 5.320336 & 0.015367 \\ 10.959382 & 5.998955 & 0.016473\end{array}$ $\begin{array}{llllllll}1000 & 713.3995 & 0.011314 & 0.110475 & 0.110703 & 0.098273 & 3.444358 & 4.219615\end{array} 0.0 .007909$ $\begin{array}{lllllllll}1000 & 953.8412 & 0.015118 & 0.118741 & 0.160586 & 0.11595 & 4.508187 & 5.121374 & 0.019568 \\ 1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.16585 & 5741598 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.166585 & 5.741589 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 849.4769 & 0.010834 & 0.143213 & 0.144196 & 0.158865 & 4.494118 & 4.937121 & 0.012118 \\ 1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713\end{array}$ $\begin{array}{lllllllll}1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713 \\ 1000 & 1106.164 & 0.014474 & 0.147302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010067\end{array}$ $\begin{array}{lllllllll}1000 & 1106.164 & 0.014474 & 0.1427302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010006 \\ 1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425 \\ 1000 & 1040.059 & 0.009651 & 0.127832 & 0.081775 & 0.114569 & 4.223157 & 4.191935 & 0.014849\end{array}$ $\begin{array}{lllllllll}1000 & 1171.482 & 0.020334 & 0.144164 & 0.133101 & 0.164684 & 4.785438 & 5.575762 & 0.014057\end{array}$ $\begin{array}{lllllllll}1000 & 1646.916 & 0.018529 & 0.159792 & 0.133121 & 0.129915 & 6.947311 & 5.862058 & 0.018404 \\ 1000 & 763.6563 & 0.010716 & 0.140539 & 0.151825 & 0.194316 & 4.498544 & 4.353987 & 0.01900\end{array}$ | 1000 | 763.6563 | 0.010716 | 0.140539 | 0.151825 | 0.124316 | 4.498544 | 4.353987 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1508.203 | 0.010687 | 0.128005 |  |  |  |  | $\begin{array}{lllllllll}1000 & 1508.203 & 0.010687 & 0.128506 & 0.097149 & 0.107359 & 4.612626 & 4.39047 & 0.013133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.856 & 0.012244 & 0.197738 & 0.150688 & 0.176148 & 5.289377 & 6.998236 & 0.011525 \\ 1000 & 1251.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 & 0.014893\end{array}$ $\begin{array}{llllllll}100 & 12121.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 \\ 10.014893 \\ 100 & 1122.649 & 0.015521 & 0.250811 & 0.167484 & 0.202905 & 7.265624 & 5.987701\end{array} 0.020928$ $\begin{array}{llllllllll}1000 & 962.0733 & 0.016625 & 0.215939 & 0.159062 & 0.175853 & 6.560653 & 6.22709 & 0.02142\end{array}$ $\begin{array}{llllllllll}1000 & 770.4902 & 0.016994 & 0.139025 & 0.148678 & 0.097901 & 4.236309 & 3.655146 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 956.9821 & 0.013562 & 0.135491 & 0.199865 & 0.130878 & 4.243713 & 3.459821 & 0.011978\end{array}$ $\begin{array}{llllllllll}1000 & 937.4786 & 0.021033 & 0.166805 & 0.157606 & 0.172175 & 5.617882 & 6.454599 & 0.018226\end{array}$ $\begin{array}{lllllllll}1000 & 961.2404 & 0.015993 & 0.127944 & 0.129742 & 0.137112 & 6.13795 & 4.861825 & 0.021483\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 820.2564 & 0.007257 & 0.10937 & 0.111452 & 0.100914 & 4.438437 & 3.902792 & 0.01279 \\ 1000 & 1335.21 & 0.01364 & 0.154044 & 0.122629 & 0.142855 & 5.881386 & 6.039327 & 0.017442\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.1345544 & 0.121403 & 0.129164 & 4.341095 & 5.5675332 & 0.014039\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.134554 & 0.121403 & 0.129164 & 4.341095 & 5.567532 & 0.014039 \\ 1000 & 1244.63 & 0.011247 & 0.174337 & 0.132617 & 0.139297 & 6.197774 & 4.604954 & 0.017482\end{array}$ $\begin{array}{lllllllll}1000 & 971.2786 & 0.011286 & 0.151323 & 0.090651 & 0.117186 & 4.558169 & 3.894795 & 0.016378\end{array}$ $\begin{array}{lllllllll}1000 & 988.7095 & 0.01205 & 0.216306 & 0.209494 & 0.174216 & 5.60198 & 5.214343 & 0.016766\end{array}$ $\begin{array}{lllllllll}1000 & 783.35529 & 0.014748 & 0.204592 & 0.119577 & 0.160036 & 4.650595 & 4.77006 & 0.018953\end{array}$ $\begin{array}{lllllllll}1000 & 1040.655 & 0.011167 & 0.213869 & 0.199556 & 0.212736 & 5.314038 & 6.051662 & 0.021187\end{array}$

 $\begin{array}{lllllllll}1000 & 1088.687 & 0.016169 & 0.230405 & 0.156985 & 0.186729 & 5.378874 & 4.971244 & 0.01616 \\ 1000 & 1165.366 & 0.017253 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019575\end{array}$ $\begin{array}{lllllllll}1000 & 1655.366 & 0.017585 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019557 \\ 1000 & 1095.185 & 0.015285 & 0.175638 & 0.186831 & 0.186145 & 5.131794 & 5.412978 & 0.014565\end{array}$ $\begin{array}{llllllllll}1000 & 783.2027 & 0.015137 & 0.155587 & 0.125767 & 0.164141 & 4.512005 & 4.913963 & 0.020565\end{array}$ $\begin{array}{llllllllll}1000 & 1233.605 & 0.018933 & 0.264853 & 0.114426 & 0.161266 & 5.761261 & 5.426245 & 0.028715\end{array}$



 | 7271.74 | 539996.1 |
| :--- | :--- |
| 6863.46 | 63308 | $\begin{array}{lll}6863.46 & 63308.6 \\ 7064.51 & 55434.08\end{array}$ $7884.84 \quad 59066.5$ 5685.36 55642.43 8063.9553674 .09 7747.5158694 .55 $\begin{array}{ll}8114.84 & 64530.11 \\ 7691.57 & 81778.95\end{array}$ $\begin{array}{ll}7691.57 & 81778.95 \\ 7276.82 & 70498.48\end{array}$ 7216.8270498 .48

$6400.78 \quad 6988.91$ $7402.83 \quad 61746.68$ 6760.9456398 .86 $\begin{array}{lr}7012.72 \quad 60638 \\ 7529.9 & 57392.69\end{array}$ $\begin{array}{rr}7529.9 & 57392.69 \\ 7715.98 & 60478.69 \\ 6750.79 & 88640.01\end{array}$ $\begin{array}{ll}6750.79 & 88640.01 \\ 8953.37 & 82770.09\end{array}$ 8071.0765043 .34 9698.4472043 .68 $\begin{array}{lr}8543.6 & 59411.5 \\ 7143.73 & 61340.75\end{array}$ 7143.7361340 .75 $\begin{array}{ll}7640.72 & 68951.23 \\ 8057.84 & 60591.34\end{array}$ 7416.0561896 .14 6919.361766 .07 $273.08 \quad 7395.72 \quad 60737.03$ $\begin{array}{llll}273.08 & 8082.27 & 90576.75\end{array}$ $\begin{array}{lll}300.1 & 7404.87 & 92976.08\end{array}$ $\begin{array}{lll} & 769.07 & 76355.62\end{array}$ $6871.58 \quad 57426.61$
8946.24
61309.97 $\begin{array}{cc}8946.24 & 61309.97 \\ 7131.54 & 57214.1\end{array}$ 6957.88 60127.2 $\begin{array}{ll}7286.98 & 64449.8 \\ 7610.22 & 62727.58\end{array}$ $\begin{array}{ll}7610.22 & 62727.58 \\ 9326.78 & 69035.76\end{array}$ $9326.18 \quad 69035.76$

6884.78 66573.16 $\begin{array}{lll}6384.78 & 66573.16 \\ 8666.9 & 53964.73\end{array}$ $7136.62 \quad 53134.79$ $7173.19 \quad 53372.42$ $8218.68 \quad 61948.63$ 7504.48 57806.64 \begin{tabular}{lll}
7759.72 \& 55859.88 <br>
7661.06 \& 53113.5 <br>
\hline

 $\begin{array}{ll}7661.06 & 53113.5 \\ 7901.12 & 62771.02\end{array}$ 

\& 7901.12 \& 62771.02 <br>
\hline 106 \& 7806.51 \& 59928.32

 

7905.19 \& 68037.44 <br>
\hline
\end{tabular} 9351.2762371 .08 $\begin{array}{llll}6684.83 & 59778.33\end{array}$ $6739.63 \quad 64755.03$ $\begin{array}{lll}.6 & 6675.69 & 61356.7 \\ 8 & 7090.92 & 61666.83\end{array}$ $\begin{array}{ccc}08 & 7090.92 & 61666.83 \\ 08 & 10128.67 & 62444.3\end{array}$ 3606 726361632247.3 $\begin{array}{llll} & 66.04 & 6874.63 & 6681237\end{array}$ $\begin{array}{lll}83.04 & 8673.01 & 64884.75 \\ 79.03 & 8076.16 & 66751.77\end{array}$ $\begin{array}{llll}198.04 & 7844.15 & 64477.33\end{array}$ $\begin{array}{lllll} & 185.04 & 9073.73 & 86321.6\end{array}$

$\begin{array}{lllll}0.230898 & 0.270186 & 0.78004 & 0.928512\end{array}$ $\begin{array}{lllll}0.140134 & 0.24849 & 0.689119 & 0.680883\end{array}$ $\begin{array}{llll}0.140134 & 0.24849 & 0.649119 & 0.680883 \\ 0.130199 & 0.27459 & 0.689396 & 0.624972\end{array}$ $\begin{array}{lllll}0.163548 & 0.279662 & 0.589341 & 0.570727\end{array}$ 0.1761460 .3362370 .8626931 .026587 $\begin{array}{lllll}0.292494 & 0.30515 & 0.805705 & 1.195571\end{array}$ $\begin{array}{lllllll}0.201254 & 0.324478 & 0.976163 & 0.729682\end{array}$ $\begin{array}{llll}0.227063 & 0.307171 & 0.714608 & 0.631178\end{array}$ $\begin{array}{llll}0.190455 & 0.289364 & 0.785079 & 0.801556 \\ 0\end{array}$ $\begin{array}{llllll}0.072224 & 0.226845 & 0.782627 & 0.539717\end{array}$ $\begin{array}{llllll}0.113076 & 0.447639 & 0.970233 & 1.027199\end{array}$ $\begin{array}{lllllll}0.119926 & 0.28652 & 0.783641 & 0.633011\end{array}$ $\begin{array}{llllllll}0.112798 & 0.225804 & 0.691258 & 0.503332\end{array}$ $\begin{array}{llllll}0.131127 & 0.389874 & 0.819167 & 0.671266\end{array}$ $\begin{array}{lllll}0.099195 & 0.319679 & 0.781798 & 0.912379\end{array}$ $\begin{array}{llll}0.078449 & 0.280053 & 1.019431 & 0.671522\end{array}$ $\begin{array}{lllll}0.129278 & 0.351031 & 0.688742 & 0.766473 \\ 0.080671 & 0.2815 & 0.822044 & 0.8714\end{array}$ $\begin{array}{lllll}0.071232 & 0.260217 & 0.651118 & 0.725763\end{array}$ $\begin{array}{lllll}0.128938 & 0.321683 & 0.858014 & 0.917607\end{array}$ $\begin{array}{llllllll}0.084558 & 0.229801 & 0.823052 & 0.701739\end{array}$ $\begin{array}{llllll}0.108788 & 0.224678 & 0.617825 & 0.620693\end{array}$ $\begin{array}{llllll}0.121337 & 0.295041 & 0.716769 & 0.704293\end{array}$ $\begin{array}{llll}0.160446 & 0.41753 & 1.023968 & 1.09994\end{array}$ $\begin{array}{lllll}0.112662 & 0.26675 & 1.750835 & 0.599635 \\ 0.170836 & 0.328143 & 1.061372 & 0.833613\end{array}$ $\begin{array}{lllll}0.093653 & 0.250912 & 0.742392 & 0.816426\end{array}$ $\begin{array}{llllllll}0.106374 & 0.254205 & 0.619052 & 1.153454\end{array}$ 0.0897620 .2542160 .6458190 .585819 $\begin{array}{lllllll}0.154657 & 0.352251 & 0.961932 & 0.771304\end{array}$ $\begin{array}{llllll}0.163784 & 0.256604 & 0.922265 & 0.666348\end{array}$ $\begin{array}{llll}0.110016 & 0.286585 & 1.017102 & 0.716451\end{array}$ $\begin{array}{llll}0.160181 & 0.330107 & 1.09292 & 0.877463 \\ 0.15576 & 0.327387 & 0.774473 & 0.636664\end{array}$ $\begin{array}{llllll}0.100747 & 0.282418 & 0.751952 & 0.771978\end{array}$ $\begin{array}{llllll}0.134663 & 0.363025 & 0.915383 & 0.851997\end{array}$ $\begin{array}{lllll}0.082228 & 0.307388 & 0.624414 & 0.864742\end{array}$ $\begin{array}{llllll}0.1026 & 0.24928 & 0.672926 & 0.493024\end{array}$ $\begin{array}{llll}0.106676 & 0.289909 & 0.72159 & 0.67546\end{array}$ $\begin{array}{llll}0.094457 & 0.343748 & 0.768714 & 0.6651\end{array}$ | 0.114449 | 0.25875 | 0.557112 | 0.601476 |
| :--- | :--- | :--- | :--- | :--- |
| 0.135911 | 0.360806 | 0.987067 | 1.088157 | $\begin{array}{lllllll}0.090789 & 0.371671 & 0.772148 & 0.782229\end{array}$ $\begin{array}{lllllll}0.09262 & 0.325875 & 0.561266 & 0.73709\end{array}$ $\begin{array}{llllll}0.083881 & 0.299667 & 0.830413 & 0.666511\end{array}$ $\begin{array}{llllll}0.1447 & 0.422293 & 0.945582 & 0.734678\end{array}$ $\begin{array}{llllll}0.143443 & 0.3523 & 0.919571 & 0.587507\end{array}$ $\begin{array}{llll}0.167543 & 0.396282 & 0.970944 & 1.069375\end{array}$ $\begin{array}{llll}0.124258 & 0.275105 & 0.668327 & 0.602392\end{array}$ $\begin{array}{lllll}0.134348 & 0.270676 & 0.98816 & 0.550136 \\ 0.192105 & 0.338689 & 0.636247 & 0.588992\end{array}$ $\begin{array}{lllll}141369 & 0.546656 & 0.764483 & 0.443153\end{array}$ $\begin{array}{lllll}187319 & 0.283041 & 0.853597 & 0.964403\end{array}$ $\begin{array}{llllllll}0.09474 & 0.310334 & 0.739887 & 0.903526\end{array}$ $\begin{array}{llllll}0.106081 & 0.271062 & 0.719596 & 0.815575\end{array}$ $\begin{array}{lllll}0.182271 & 0.288128 & 0.823962 & 0.725196\end{array}$ $\begin{array}{llllll}0.206834 & 0.290876 & 0.651324 & 0.821548\end{array}$ $\begin{array}{llll}0.148626 & 0.282595 & 0.860872 & 0.592707\end{array}$ $\begin{array}{llllll}146174 & 0.25238 & 0.90399 & 1.36047\end{array}$ $\begin{array}{lllllll}0.113991 & 0.301817 & 0.792045 & 0.599215\end{array}$ $\begin{array}{lllll}0.156446 & 0.329405 & 1.0465 & 0.483873\end{array}$ $0.154986 \quad 0.3312 \quad 0.7532071 .105434$


$\begin{array}{lllllllll}1000 & 887.9524 & 0.01473 & 0.248069 & 0.198029 & 0.142786 & 5.137688 & 4.980527 & 0.018006\end{array}$ $\begin{array}{llllllll}1000 & 867.3468 & 0.010131 & 0.143903 & 0.13618 & 0.116735 & 4.406122 & 3.884694\end{array} 0.0177642$ $\begin{array}{lllllllll}1000 & 784.7645 & 0.009371 & 0.140954 & 0.147785 & 0.129767 & 4.070304 & 4.461351 & 0.01728 \\ 1000 & 945.9256 & 0.011471 & 0.158451 & 0.1391 & 0.131851 & 4.899382 & 4.566477 & 0.016856\end{array}$ | 1000 | 884.3188 | 0.017953 | 0.204395 | 0.152425 | 0.128734 | 5.824482 | 5.175281 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1160.324 & 0.017389 & 0.176751 & 0.264256 & 0.156078 & 4.651903 & 5.425834 & 0.017313\end{array}$ $\begin{array}{lllllllll}1000 & 1313.846 & 0.021562 & 0.147396 & 0.219131 & 0.143996 & 6.334532 & 4.999667 & 0.01948 \\ 1000 & 798.964 & 0.015901 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 797.964 & 0.015991 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238 \\ 1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142\end{array}$ $\begin{array}{lllllllll}1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142 \\ 1000 & 744.1377 & 0.010678 & 0.130265 & 0.119946 & 0.11263 & 4.4697 & 5.638563 & 0.015663\end{array}$ $\begin{array}{llllllll}1000 & 846.1947 & 0.021427 & 0.134484 & 0.152021 & 0.127934 & 4.442689 & 5.11043\end{array} 0.014506$ $\begin{array}{lllllllll}1000 & 1249.231 & 0.021547 & 0.159864 & 0.207584 & 0.167414 & 5.746253 & 7.260263 & 0.021368\end{array}$ $\begin{array}{lllllllll}1000 & 925.0433 & 0.019497 & 0.138618 & 0.109427 & 0.134722 & 5.552787 & 5.497958 & 0.012596\end{array}$ $\begin{array}{lllllllll}1000 & 7544.79 & 0.016204 & 0.099948 & 0.120966 & 0.101404 & 3.955438 & 3.921658 & 0.009837\end{array}$ $\begin{array}{lllllllll}1000 & 1172.893 & 0.018971 & 0.168977 & 0.156296 & 0.138887 & 5.30376 & 5.447933 & 0.02122\end{array}$ | 1000 | 963.4756 | 0.015143 | 0.205379 | 0.176242 | 0.151974 | 5.20527 | 4.708572 | 0.012716 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 771.4656 & 0.011436 & 0.214561 & 0.171017 & 0.115102 & 5.057164 & 4.70287 & 0.007493\end{array}$ $\begin{array}{lllllllll}1000 & 1225.718 & 0.01196 & 0.171336 & 0.182459 & 0.168498 & 4.824154 & 7.528699 & 0.019295 \\ 1000 & 882.6782 & 0.012412 & 0.152871 & 0.149521 & 0.131225 & 5.26159 & 5.761035 & 0.015812\end{array}$ $\begin{array}{lllllllll}1000 & 1338.528 & 0.013184 & 0.15334 & 0.158204 & 0.119528 & 5.262879 & 5.02923 & 0.018263\end{array}$ $\begin{array}{lllllllll}1000 & 1296.306 & 0.011512 & 0.20774 & 0.295202 & 0.210256 & 5.683772 & 7.912853 & 0.015276\end{array}$ $\begin{array}{lllllllll}1000 & 745.6465 & 0.010502 & 0.194005 & 0.168001 & 0.155749 & 5.852612 & 5.144948 & 0.020733\end{array}$ $\begin{array}{lllllllll}1000 & 757.2693 & 0.012108 & 0.166176 & 0.166317 & 0.1497 & 4.689956 & 3.864714 & 0.016831\end{array}$ $\begin{array}{llllllll}1000 & 1015.736 & 0.014527 & 0.205563 & 0.158379 & 0.168683 & 5.32004 & 5.425239 \\ 0.0221289\end{array}$ $\begin{array}{llllllll}1000 & 1074.823 & 0.013927 & 0.203735 & 0.207421 & 0.217874 & 6.368878 & 6.819768 \\ 1000 & 926.026484 \\ 10855 & 0.015085 & 0.230827 & 0.204376 & 0.182807 & 5.903455 & 5.26396 & 0.024046\end{array}$ | 1000 | 926.5835 | 0.015085 | 0.230827 | 0.204376 | 0.182807 | 5.903455 | 5.26396 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.024046 |  |  |  |  |  |  |
| 1000 | 898.2204 | 0.015649 | 0.195102 | 0.157489 | 0.16402 | 5.050822 | 5.584951 |
| 0 | 0.019425 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 898.2204 & 0.015649 & 0.195102 & 0.157489 & 0.16402 & 5.050822 & 5.584951 & 0.019425 \\ 1000 & 912.5726 & 0.009262 & 0.181564 & 0.186274 & 0.17997 & 4.84903 & 5.128545 & 0.016212\end{array}$

 $\begin{array}{lllllllll}1000 & 1275.078 & 0.012698 & 0.205607 & 0.137215 & 0.174809 & 4.110682 & 4.359856 & 0.016354\end{array}$ $\begin{array}{lllllllll}1000 & 1061.234 & 0.019382 & 0.225091 & 0.319113 & 0.242399 & 5.718729 & 5.575098 & 0.0233336\end{array}$ $\begin{array}{llllllll}1000 & 784.7304 & 0.015147 & 0.224046 & 0.23778 & 0.201353 & 5.197088 & 6.90628 \\ 10.014226\end{array}$ $\begin{array}{llllllll}1000 & 1062.57 & 0.015462 & 0.231463 & 0.261693 & 0.259148 & 5.505104 & 8.205297 \\ 0.0222038\end{array}$ $\begin{array}{lllllllll}1000 & 1019.717 & 0.017795 & 0.24926 & 0.179088 & 0.231229 & 6.305983 & 6.549386 & 0.01858 \\ 1000 & 1138.599 & 0.013649 & 0.205529 & 0.1835 & 0.170692 & 4.715548 & 4.682748 & 0.019628\end{array}$ $\begin{array}{llllllllll}1000 & 1155.414 & 0.007229 & 0.199426 & 0.130836 & 0.192509 & 6.229401 & 5.056332 & 0.011295\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 999.3208 & 0.014832 & 0.190173 & 0.168107 & 0.160541 & 5.63703 & 5.371055 & 0.012433\end{array}$ $\begin{array}{llllllllllll}1000 & 1611.522 & 0.014435 & 0.213377 & 0.138627 & 0.205949 & 4.957959 & 5.090189 & 0.015413\end{array}$ $\begin{array}{lllllllll}1000 & 811.3092 & 0.016964 & 0.169815 & 0.119202 & 0.16115 & 4.467684 & 4.691604 & 0.020149\end{array}$ $\begin{array}{lllllllll}1000 & 1041.512 & 0.01846 & 0.218625 & 0.170534 & 0.206347 & 5.777996 & 5.65135 & 0.024937 \\ 1000 & 809.1549 & 0.015392\end{array}$ $\begin{array}{lllllllll}1000 & 809.1549 & 0.015332 & 0.196723 & 0.226187 & 0.188958 & 7.1115366 & 6.2318815 & 0.019692 \\ 1000 & 9222.9062 & 0.015924 & 0.122791 & 0.113854 & 0.127121 & 306658 & 4.48765 & 0.009234\end{array}$ \begin{tabular}{lllllllll}
1000 \& 922.9062 \& 0.015924 \& 0.122791 \& 0.113854 \& 0.127121 \& 3.906758 \& 4.488765 \& 0.009234 <br>
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 $\begin{array}{lllllllll}1000 & 801.508 & 0.016762 & 0.147692 & 0.203826 & 0.17376 & 6.478555 & 4.779396 & 0.020119 \\ 1000 & 1457.967 & 0.017712 & 0.149609 & 0.210551 & 0.182234 & 4.758408 & 4.207585 & 0.014774\end{array}$ $\begin{array}{lllllllll}1000 & 815.3718 & 0.017265 & 0.163488 & 0.177886 & 0.154695 & 4.041078 & 3.570728 & 0.0155\end{array}$ $\begin{array}{lllllllll}1000 & 1408.84 & 0.025148 & 0.224114 & 0.147099 & 0.21362 & 6.227531 & 5.564914 & 0.01595\end{array}$ $\begin{array}{lllllllll}1000 & 1364.606 & 0.029779 & 0.1752 & 0.207639 & 0.24573 & 6.111625 & 5.587419 & 0.018034\end{array}$ $\begin{array}{lllllllll}1000 & 1034.668 & 0.024839 & 0.2047 & 0.166096 & 0.190413 & 5.739475 & 4.901621 & 0.014788\end{array}$ $\begin{array}{lllllllll}1000 & 1687.716 & 0.026204 & 0.18178 & 0.17546 & 0.195454 & 6.326394 & 5.204213 & 0.019607\end{array}$ $\begin{array}{lllllllll}1000 & 937.2133 & 0.010714 & 0.159886 & 0.198541 & 0.114558 & 4.703155 & 4.431773 & 0.015083\end{array}$ $\left.\begin{array}{llllllll}1000 & 955.6852 & 0.019208 & 0.192642 & 0.21077 & 0.192658 & 5.535497 & 5.040963 \\ 10.014935 \\ 1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095\end{array}\right) 0.01408$ $\begin{array}{lllllllll}1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095 & 0.01408 \\ 1000 & 721.7317 & 0.011259 & 0.126972 & 0.153926 & 0.109748 & 5.168438 & 4.081017 & 0.019884\end{array}$ $\begin{array}{lllllllll}1000 & 978.8613 & 0.020827 & 0.171602 & 0.138375 & 0.135657 & 4.608329 & 4.898688 & 0.01418\end{array}$ $\begin{array}{lllllllll}1000 & 858.4745 & 0.016065 & 0.183134 & 0.148942 & 0.162199 & 4.585432 & 5.236608 & 0.016912\end{array}$ $\begin{array}{lllllllll}1000 & 1139.327 & 0.017657 & 0.181998 & 0.177058 & 0.163322 & 4.226618 & 4.617964 & 0.013363\end{array}$ $\begin{array}{lllllllll}1000 & 908.34406 & 0.018291 & 0.220114 & 0.22481 & 0.224499 & 5.249327 & 5.42221 & 0.0255131\end{array}$ $\begin{array}{lllllllll}1000 & 1059.108 & 0.013934 & 0.194648 & 0.141159 & 0.201267 & 6.749642 & 4.906608 & 0.024667\end{array}$ 

1000 \& 1018.021 \& 0.01271 \& 0.198637 \& 0.185134 \& 0.179844 \& 4.921095 \& 5.086247 \& 0.014283 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 1030.122 & 0.017085 & 0.218791 & 0.210625 & 0.151154 & 5.179916 & 5.981964 & 0.017916 \\ 1000 & 1038.126 & 0.012572 & 0.173904 & 0.135619 & 0.141515 & 6.257767 & 5.54675 & 0.022119\end{array}$ $\begin{array}{lllllllll}1000 & 859.6989 & 0.007786 & 0.15552 & 0.122057 & 0.109844 & 4.642348 & 4.549868 & 0.013024\end{array}$ $\begin{array}{lllllllll}1000 & 1003.592 & 0.008224 & 0.13663 & 0.147302 & 0.130995 & 4.760769 & 4.641888 & 0.020251\end{array}$ $\begin{array}{llllllllll}1000 & 1136.455 & 0.010831 & 0.151009 & 0.154676 & 0.133461 & 6.096725 & 6.86855 & 0.022383\end{array}$



$\begin{array}{llll}0.165271 & 0.338562 & 0.732043 & 0.802811\end{array}$ $\begin{array}{llll}0.08833 & 0.284086 & 0.887289 & 0.899417\end{array}$ $\begin{array}{llllllllll}0.158159 & 0.397397 & 0.888639 & 0.882836\end{array}$ $\begin{array}{llll}0.10796 & 0.32011 & 0.691909 & 0.91527\end{array}$ $\begin{array}{llll}0.172038 & 0.362428 & 0.911608 & 0.877064 \\ 0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0\end{array}$ $\begin{array}{llll}0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0.109168 & 0.359337 & 0.992617 & 1.11677\end{array}$ $\begin{array}{llll}0.129168 & 0.359337 & 0.992617 & 1.1167 \\ 0.176259 & 0.307427 & 0.841979 & 0.816764\end{array}$ $\begin{array}{lllll}0.085104 & 0.199712 & 0.556872 & 0.422675\end{array}$ 01181470.267365 $\begin{array}{llllll}0.181517 & 0.190571 & 0.658322 & 0.499067\end{array}$ $\begin{array}{lllll}0.185258 & 0.326195 & 0.650961 & 0.815807\end{array}$ $\begin{array}{lllll}0.123327 & 0.307502 & 0.665961 & 0.794382\end{array}$ $\begin{array}{llll}0.169806 & 0.28978 & 0.710669 & 0.84874\end{array}$ $\begin{array}{lllll}0.146305 & 0.317436 & 0.802996 & 0.794008\end{array}$ $\begin{array}{llll}0.219157 & 0.22734 & 0.856035 & 1.020257 \\ 0.187093\end{array}$ $\begin{array}{llll}0.181093 & 0.354251 & 0.873314 & 1.071379 \\ 0.162029 & 0.258501 & 0.675359 & 0.575371\end{array}$ $\begin{array}{llll}0.136132 & 0.197712 & 0.530078 & 0.482802\end{array}$ $\begin{array}{lllll}0.121159 & 0.213008 & 0.608518 & 0.922193\end{array}$ $\begin{array}{lllll}0.155293 & 0.272129 & 0.660606 & 0.868754\end{array}$ $\begin{array}{llllll}0.177759 & 0.197887 & 0.557299 & 0.581829\end{array}$ $\begin{array}{llll}0.321271 & 0.276006 & 1.062382 & 0.814761\end{array}$ $\begin{array}{llll}0.289553 & 0.225967 & 0.738939 & 0.608307\end{array}$ $\begin{array}{llll}0.330662 & 0.298546 & 0.802771 & 0.736004 \\ & 0336791 & 0.295036 & 0.7079\end{array}$ $\begin{array}{llll}0.235495 & 0.292528 & 1.23221 & 0.899102\end{array}$ $\begin{array}{lllll}0.284802 & 0.330788 & 1.383711 & 1.264245\end{array}$ $\begin{array}{lllll}0.198263 & 0.228588 & 0.90775 & 0.849767\end{array}$ $0.2379470 .3216510 .779528 \quad 0.891981$ $\begin{array}{llll}0.203474 & 0.204946 & 0.594556 & 0.532672\end{array}$ $\begin{array}{llll}0.135049 & 0.181097 & 0.478103 & 0.428293\end{array}$ $\begin{array}{llll}0.230671 & 0.390474 & 1.044096 & 1.090519 \\ 0\end{array}$ $\begin{array}{lllll}0.197074 & 0.417694 & 0.727016 & 0.81183\end{array}$ $\begin{array}{lllll}0.237592 & 0.330438 & 0.802532 & 1.192467\end{array}$ $\begin{array}{lllll}0.123695 & 0.29601 & 0.565638 & 0.534249\end{array}$ $\begin{array}{llllll}0.130955 & 0.305862 & 0.640145 & 0.846337\end{array}$ $\begin{array}{lllll}0.125303 & 0.286481 & 0.643937 & 0.563699\end{array}$ $\begin{array}{llll}0.126027 & 0.21043 & 0.681041 & 0.546393\end{array}$ $\begin{array}{llll}0.181197 & 0.335136 & 0.736292 & 0.752254 \\ & 0.72715 & 3323128\end{array}$ $\begin{array}{llll}0.2104947 & 0.314711 & 1.8282044 & 0.854767 \\ 0.65071\end{array}$ $\begin{array}{llll}0.095178 & 0.333466 & 0.570041 & 1.077624\end{array}$ $\begin{array}{lllll}0.151505 & 0.382963 & 0.840817 & 0.676775\end{array}$ $\begin{array}{llllll}0.221014 & 0.297386 & 0.863257 & 0.674005\end{array}$ $\begin{array}{llllll}0.138012 & 0.32848 & 1.361703 & 0.742897\end{array}$ $\begin{array}{lllll}0.128781 & 0.36134 & 0.957561 & 0.72816\end{array}$ $\begin{array}{rlll}0.103028 & 0.219795 & 0.654247 & 0.502931 \\ 0.2437 & 0.353494 & 0.763599 & 1039793\end{array}$ | 0.175402 | 0.353494 | 0.763599 | 1.039793 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.164517 & 0.362175 & 0.906525 & 0.993519\end{array}$ $\begin{array}{lllll}0.171937 & 0.260152 & 0.938156 & 0.739868\end{array}$ $\begin{array}{llll}0.132644 & 0.174829 & 0.809374 & 0.470407\end{array}$ $\begin{array}{llll}0.201009 & 0.318549 & 0.687642 & 0.75015\end{array}$ $\begin{array}{llll}0.157142 & 0.333203 & 1.253733 & 0.921224\end{array}$ $0.207218 \quad 0.412280 .9623391 .417192$ $\begin{array}{llll}0.111799 & 0.199117 & 0.518257 & 0.501246 \\ 0.232784 & 0.342213 & 0.890702 & 0.819462\end{array}$ $\begin{array}{lllll}0.2348387 & 0.329643 & 0.89270255 & 0.819462 \\ 0.584618\end{array}$ $\begin{array}{lllll}0.037689 & 0.209663 & 0.505199 & 0.580535\end{array}$ $\begin{array}{llllll}0.141267 & 0.381155 & 0.761783 & 1.014944\end{array}$ 0.102270 .2975240 .7467080 .630682

$\begin{array}{lllllllllllll}1000 & 1176.392 & 0.009339 & 0.223882 & 0.147924 & 0.197233 & 5.936977 & 5.828634 & 0.032122\end{array}$ $\begin{array}{llllllll}1000 & 1449.911 & 0.008455 & 0.201244 & 0.228758 & 0.182252 & 5.894502 & 7.321412\end{array} 0.0180344$ $\begin{array}{lllllllll}1000 & 1206.725 & 0.006613 & 0.208257 & 0.166548 & 0.182256 & 5.410039 & 6.298387 & 0.02793\end{array}$ $\begin{array}{lllllllll}1000 & 1153.112 & 0.011608 & 0.201524 & 0.189737 & 0.223577 & 6.153722 & 6.539302 & 0.016479\end{array}$ $\begin{array}{lllllllllll}1000 & 879.7162 & 0.005654 & 0.15734 & 0.184669 & 0.141257 & 4.800851 & 4.911867 & 0.017684\end{array}$ $\begin{array}{llllllllll}1000 & 1027.488 & 0.016847 & 0.164701 & 0.21048 & 0.190027 & 5.177158 & 5.763312 & 0.023053\end{array}$ $\begin{array}{lllllllll}1000 & 951.7502 & 0.006738 & 0.180962 & 0.145331 & 0.164149 & 6.057076 & 5.41244 & 0.023046 \\ 1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824\end{array}$ $\begin{array}{lllllllll}1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824 \\ 1000 & 885.1377 & 0.006764 & 0.198827 & 0.131814 & 0.169379 & 5426682 & 6.010938 & 0.021124\end{array}$ $\begin{array}{lllllllllllll}1000 & 654.2223 & 0.005489 & 0.121579 & 0.129549 & 0.116736 & 4.104841 & 3.968783 & 0.02032\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 918.0312 & 0.009419 & 0.104564 & 0.136506 & 0.085761 & 4.602403 & 4.310337 & 0.018862\end{array}$ $\begin{array}{lllllllllll}1000 & 700.2395 & 0.008863 & 0.144063 & 0.103809 & 0.121134 & 4.537471 & 4.491602 & 0.016519\end{array}$ $\begin{array}{lllllllll}1000 & 869.2292 & 0.008412 & 0.14245 & 0.11005 & 0.114931 & 4.595378 & 4.358848 & 0.014358\end{array}$ $\begin{array}{lllllllll}1000 & 869.3904 & 0.006875 & 0.125011 & 0.136946 & 0.119646 & 4.237999 & 4.094896 & 0.017452\end{array}$ $\begin{array}{lllllllll}1000 & 891.4142 & 0.011485 & 0.143277 & 0.1025 & 0.146308 & 6.116371 & 5.315717 & 0.015843 \\ 1000 & 118231 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069\end{array}$ $\begin{array}{lllllllll}1000 & 1182.31 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069 \\ 1000 & 1043.289 & 0.007826 & 0.184451 & 0.123694 & 0.112409 & 4.95562 & 6.974302 & 0.019683\end{array}$ $\begin{array}{lllllllll}1000 & 1043.289 & 0.007826 \\ 1000 & 954.4033 & 0.011123 & 0.137867 & 0.090998 & 0.118355 & 3.983603 & 4.160302 & 0.011392\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 893.2369 & 0.011098 & 0.095617 & 0.090043 & 0.1213 & 3.495246 & 3.893414 & 0.017505\end{array}$ $\begin{array}{llllllllll}1000 & 835.9977 & 0.010314 & 0.136617 & 0.12727 & 0.147919 & 4.960541 & 5.59141 & 0.014411\end{array}$ $\begin{array}{lllllllll}1000 & 1297.313 & 0.014084 & 0.140502 & 0.109721 & 0.152725 & 4.666128 & 5.403496 & 0.016234\end{array}$ $\begin{array}{llllllllll}1000 & 752.0421 & 0.007843 & 0.147911 & 0.065681 & 0.093297 & 4.553517 & 4.988777 & 0.015082\end{array}$ $\begin{array}{lllllllll}1000 & 1062.285 & 0.007624 & 0.168544 & 0.128656 & 0.156726 & 6.10898 & 7.585749 & 0.012887 \\ 1000 & 7353933 & 0.09541 & 0.13563 & 0.11779 & 0.125503 & 5.03335 & 4.60448 & 0.016108\end{array}$ $\begin{array}{llllllll}1000 & 735.3933 & 0.009541 & 0.134563 & 0.117798 & 0.125503 & 5.03835 & 4.604488 \\ 0.016102 \\ 1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 0 & 0.016084\end{array}$ $\begin{array}{rrrrrrrr}1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 1000 & 911.2085 & 0.012915 & 0.219113 & 0.221307 & 0.19587 & 5.268428 & 5.498046 \\ 0.017847\end{array}$ $\begin{array}{lllllllll}1000 & 1201.721 & 0.016389 & 0.202642 & 0.2137672 & 0.230505 & 5.272565 & 5.612118 & 0.01259\end{array}$ $\begin{array}{lllllllll}1000 & 1885.152 & 0.017527 & 0.266048 & 0.279222 & 0.258977 & 6.9777264 & 8.691399 & 0.024364\end{array}$ $\begin{array}{lllllllll}1000 & 739.1992 & 0.0159476 & 0.1893356 & 0.2179222 & 0.258977 & 6.977264 & 8.691399 & 0.024364 \\ 1003 & 0.136877 & 4.481139 & 5.351045 & 0.011933\end{array}$ $\begin{array}{llllllll}1000 & 752.9992 & 0.010357 & 0.15088 & 0.15167 & 0.133039 & 4.982923 & 5.020168 \\ 0.014422\end{array}$ $\begin{array}{lllllllll}1000 & 680.2828 & 0.011216 & 0.1245 & 0.090278 & 0.11912 & 3.935628 & 4.657557 & 0.010617 \\ 1000 & 557.0139 & 0.00538 & 0.120956 & 0.137526 & 0.108055 & 3.20269 & 3.785064 & 0.02774\end{array}$ $\begin{array}{lllllllll}1000 & 557.9139 & 0.005538 & 0.120956 & 0.137526 & 0.108085 & 3.120269 & 3.785064 & 0.00774 \\ 1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182\end{array}$ $\begin{array}{lllllllll}1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182 \\ 1000 & 1189.649 & 0.008888 & 0.16959 & 0.126933 & 0.157421 & 5788241 & 4.21145 & 0.012183\end{array}$ $\begin{array}{lllllllll}1000 & 11290.852 & 0.010162 & 0.206757 & 0.13846 & 0.187256 & 5.202437 & 4.758804 & 0.0144266\end{array}$ $\begin{array}{llllllllll}1000 & 1040.924 & 0.009145 & 0.221482 & 0.239852 & 0.204726 & 4.940656 & 6.836391 & 0.017954\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 797.1574 & 0.009127 & 0.165092 & 0.111927 & 0.114574 & 4.989907 & 5.534317 & 0.011612\end{array}$ $\begin{array}{llllllllll}1000 & 842.8301 & 0.015222 & 0.203262 & 0.131686 & 0.141071 & 4.391348 & 4.935339 & 0.011716\end{array}$ $\begin{array}{llllllllll}1000 & 1490.755 & 0.009048 & 0.181139 & 0.217471 & 0.150057 & 4.144053 & 4.451831 & 0.010303\end{array}$ $\begin{array}{lllllllll}1000 & 961.1447 & 0.007994 & 0.183743 & 0.125846 & 0.124451 & 4.247568 & 4.144942 & 0.011485\end{array}$ $\begin{array}{lllllllll}1000 & 962.3905 & 0.011964 & 0.209469 & 0.173386 & 0.17194 & 6.76561 & 5.541092 & 0.012575 \\ 1000 & 873.0617 & 0.007003 & 0.251627 & 0.133829 & 0.144111 & 5.760294 & 5.783176 & 0.014397\end{array}$ $\begin{array}{llllllllll}1000 & 914.313 & 0.012789 & 0.283389 & 0.184466 & 0.223957 & 6.340428 & 5.826989 & 0.02472\end{array}$ $\begin{array}{lllllllllll}1000 & 861.282 & 0.008701 & 0.140124 & 0.155393 & 0.153308 & 3.810806 & 3.752644 & 0.018202\end{array}$ $\begin{array}{lllllllll}1000 & 1100.071 & 0.015636 & 0.176067 & 0.128857 & 0.183139 & 5.060252 & 5.43718 & 0.014926\end{array}$ $\begin{array}{llllllllll}1000 & 839.6375 & 0.01069 & 0.154724 & 0.230483 & 0.131266 & 5.079039 & 4.870354 & 0.011872\end{array}$ $\begin{array}{lllllllll}1000 & 838.8934 & 0.015243 & 0.162842 & 0.200806 & 0.146669 & 4.74062 & 4.918612 & 0.014553\end{array}$ $\begin{array}{lllllllll}1000 & 1378.606 & 0.014767 & 0.155251 & 0.114664 & 0.1482 & 5.818197 & 6.743419 & 0.01637 \\ 1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.99339 & 4.092147 & 3.987655 & 0.010248\end{array}$ $\begin{array}{llllllll}1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.099339 & 4.092147 & 3.987655 \\ 0 & 0.010248 \\ 1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 \\ 0 & 0.010942\end{array}$ $\begin{array}{lllllllll}1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 & 0.010942 \\ 1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581\end{array}$ $\begin{array}{lllllllll}1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581 \\ 1000 & 1220.21 & 0.015937 & 0.119136 & 0.074566 & 0.1284 & 4.988453 & 4.849615 & 0.007617\end{array}$ $\begin{array}{llllllllll}1000 & 967.6882 & 0.018448 & 0.114783 & 0.059078 & 0.087726 & 4.565373 & 5.972436 & 0.010202\end{array}$ $\begin{array}{lllllllll}1000 & 1068.855 & 0.013434 & 0.093523 & 0.08464 & 0.067873 & 4.065189 & 4.546352 & 0.004419\end{array}$ $\begin{array}{lllllllllll}1000 & 1196.088 & 0.014084 & 0.122829 & 0.105532 & 0.061107 & 5.353264 & 5.558762 & 0.008483\end{array}$ $\begin{array}{lllllllll}1000 & 1157.73 & 0.020874 & 0.11678 & 0.163834 & 0.099527 & 4.918226 & 6.4911266 & 0.0074005 \\ 1000 & 1119.189 & 0.022058 & 0.122284 & 0.174515 & 0.105391 & 628878 & 526944 & 0.015879\end{array}$ $\begin{array}{lllllllll}1000 & 1119.189 & 0.022958 & 0.122184 & 0.174519 & 0.105301 & 6.248778 & 5.269644 & 0.015879 \\ 1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536\end{array}$ $\begin{array}{lllllllll}1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536 \\ 1000 & 1333.524 & 0.016198 & 0.146672 & 0.110766 & 0.103401 & 5.952586 & 6.333566 & 0.008493\end{array}$ $\begin{array}{llllllllll}1000 & 1087.527 & 0.015839 & 0.126906 & 0.117121 & 0.112544 & 4.09639 & 4.576249 & 0.0009812\end{array}$ $\begin{array}{llllllllll}1000 & 974.8009 & 0.01059 & 0.069674 & 0.050936 & 0.06646 & 3.033334 & 2.955827 & 0.008834\end{array}$ $\begin{array}{llllllllllll}1000 & 1329.793 & 0.016656 & 0.136245 & 0.094476 & 0.125941 & 5.645652 & 5.429001 & 0.010726\end{array}$ $\begin{array}{lllllllllll}1000 & 1129.234 & 0.012297 & 0.092571 & 0.072281 & 0.09431 & 4.768411 & 4.802033 & 0.008293\end{array}$


[^9]$\begin{array}{llllll}0.12437 & 0.30944 & 0.905182 & 0.666773\end{array}$ $\begin{array}{lllll}0.112747 & 0.381252 & 0.73942 & 0.633301\end{array}$ 0.127410 .2449330 .6447990 .58666 100180.2898040 .5861960 .626755 $\begin{array}{llll}0.079185 & 0.250671 & 0.546795 & 0.577488 \\ 0.094014 & 0.327255 & 0.609622 & 0.705275\end{array}$ $\begin{array}{lllllll}0.067652 & 0.242634 & 0.551861 & 0.452938\end{array}$ $\begin{array}{lllll}0.078676 & 0.283023 & 0.691621 & 0.375085\end{array}$ $\begin{array}{llll}0.122181 & 0.326381 & 0.778171 & 0.659199 \\ 0.074673 & 0.253273 & 0.607094 & 0.588179\end{array}$ $\begin{array}{llll}0.064092 & 0.187657 & 0.580469 & 0.643254\end{array}$ $\begin{array}{llllllllllll}0.085947 & 0.268046 & 0.900378 & 0.685577\end{array}$ $\begin{array}{llllllll}0.068185 & 0.284287 & 0.745242 & 0.663225\end{array}$ $\begin{array}{llllll}0.089826 & 0.414334 & 0.693625 & 0.485931\end{array}$ $\begin{array}{lllllllll}0.106994 & 0.364996 & 1.165837 & 0.683796\end{array}$ $\begin{array}{llll}0.117147 & 0.329575 & 0.751998 & 0.814782\end{array}$ 0.0914310 .3958870 .7392380 .787424 | 0.165342 | 0.297821 | 0.931199 | 0.8494446 |
| :--- | :--- | :--- | :--- | :--- | $0.1736360 .2756390 .661189 \quad 0.680127$ $\begin{array}{llllll}0.169387 & 0.348886 & 0.707563 & 1.677468\end{array}$ $\begin{array}{llllllll}0.081075 & 0.217724 & 0.505679 & 0.545732\end{array}$ $\begin{array}{llllllllll}0.143651 & 0.33046 & 0.835232 & 0.921258\end{array}$ $\begin{array}{llllll}0.147403 & 0.316587 & 0.923051 & 0.779947\end{array}$ $\begin{array}{lllll}0.114674 & 0.236582 & 1.033911 & 0.667252 \\ 0.09075 & 0.23580 & 0.63318 & 0.55774\end{array}$ $\begin{array}{llll}0.05075 & 0.235804 & 1.6373318 & 0.55274 \\ & 0.078227 & 0.257924 & 0.536975\end{array}$ 1263670.3139210 .7194520 .979811 $0.1509570 .447099 \quad 0.7158590 .678464$ $\begin{array}{llllll}0.076217 & 0.266301 & 0.764912 & 0.442219\end{array}$ $\begin{array}{lllll}0.124691 & 0.35631 & 0.990766 & 0.974501\end{array}$ $\begin{array}{llll}0.110196 & 0.305379 & 0.805359 & 1.09134\end{array}$ $\begin{array}{llll}0.10797 & 0.295199 & 0.841204 & 0.532967\end{array}$ $\begin{array}{lllll}0.106575 & 0.269535 & 0.651404 & 0.756117 \\ 0.13957 & 0.300914 & 0.972862 & 0.896515\end{array}$ 0869780.2544580 .566019 $\begin{array}{lllll}0.113092 & 0.245508 & 0.51395 & 0.981856\end{array}$ $\begin{array}{lllll}0.143095 & 0.39238 & 1.286654 & 1.083127\end{array}$ $\begin{array}{llllll}0.097734 & 0.23606 & 0.529174 & 0.565799\end{array}$ $\begin{array}{llllll}0.149912 & 0.426281 & 1.028886 & 0.746812\end{array}$ $\begin{array}{lllll}0.159933 & 0.367895 & 0.797849 & 0.924965\end{array}$ $\begin{array}{llll}0.119984 & 0.278304 & 0.654384 & 0.742527 \\ 0.089225 & 0.302501 & 0.63458 & 0.639997\end{array}$ $\begin{array}{lllll}0.11448 & 0.34959 & 0.715291 & 0780763\end{array}$ $\begin{array}{lllll}0.100671 & 0.232818 & 0.864757 & 0.570118\end{array}$ $\begin{array}{lllll}0.141114 & 0.327564 & 1.11474 & 0.647769\end{array}$ $\begin{array}{llllllll}0.137736 & 0.452474 & 0.703285 & 1.078613\end{array}$ 0.0747430 .3616491 .0867710 .874955 $\begin{array}{llll}0.123009 & 0.271271 & 0.84236 & 0.829999\end{array}$ $\begin{array}{lllll}0.094344 & 0.338133 & 0.823827 & 0.654503\end{array}$ $\begin{array}{lllll}0.1077824 & 0.480215 & 0.835188 & 1.563535\end{array}$ $0.085 \quad 0.3673190 .6383140 .880174$ $\begin{array}{llllll}0.118366 & 0.26524 & 0.860274 & 1.521522\end{array}$ $\begin{array}{lllllll}0.119442 & 0.306921 & 0.706822 & 0.588799\end{array}$ $\begin{array}{llllll}0.097932 & 0.344529 & 0.649995 & 0.720958\end{array}$ $\begin{array}{lllll}0.078623 & 0.171024 & 0.429425 & 0.444682\end{array}$ $\begin{array}{llll}0.102751 & 0.382723 & 0.814195 & 0.974721 \\ 0.084623 & 0.344251 & 0.06696 & 0.757767\end{array}$ $\begin{array}{llll}0.084623 & 0.344251 & 0.906796 & 0.757767\end{array}$ $\begin{array}{llllll}144474 & 0.385752 & 0.938536 & 1204779\end{array}$ $\begin{array}{lllll}0.063574 & 0.253147 & 0.411843 & 0.418881\end{array}$ $\begin{array}{llllll}0.128036 & 0.274318 & 0.679722 & 0.583283\end{array}$ $\begin{array}{lllllll}0.15902 & 0.547362 & 0.999476 & 1.461477\end{array}$


$\begin{array}{lllllllll}1000 & 1105.092 & 0.014766 & 0.096363 & 0.123244 & 0.087826 & 4.755424 & 5.611437 & 0.006861\end{array}$ | 1000 | 892.5568 | 0.018 | 0.11045 | 0.0959907 | 0.123956 | 4.3333891 | 6.0733541 | 0.00078657 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{rrrrrrrrr}1000 & 835.0901 & 0.016605 & 0.08241 & 0.1039 & 0.095414 & 4.806115 & 4.961424 & 0.004806 \\ 1000 & 773.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 & 0.007389\end{array}$ $\begin{array}{llllllll}1000 & 73.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 \\ 1000 & 757.0432 & 0.008656 & 0.071824 & 0.061064 & 0.074791 & 3.571428 & 5.039602 \\ 0.007394\end{array}$ $\begin{array}{lllllllll}1000 & 1446.842 & 0.00979 & 0.097498 & 0.05435 & 0.061092 & 4.295082 & 4.765279 & 0.0073675\end{array}$ $\begin{array}{lllllllll}1000 & 700.1427 & 0.008817 & 0.054148 & 0.061675 & 0.056633 & 3.261626 & 3.370829 & 0.005893 \\ 1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.911855 & 4.87672 & 0.006559\end{array}$ $\begin{array}{lllllllll}1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.991085 & 4.487672 & 0.006559 \\ 1000 & 1690.836 & 0.0141 & 0.088813 & 0.068565 & 0.085737 & 4.18561 & 5.138667 & 0.004562\end{array}$ $\begin{array}{lllllllll}1000 & 1690.836 & 0.0141 & 0.086813 & 0.068565 & 0.085737 & 4.418651 & 5.138067 & 0.004562 \\ 1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808\end{array}$ $\begin{array}{lllllllll}1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808 \\ 1000 & 585.9917 & 0.006335 & 0.051447 & 0.064627 & 0.04872 & 3.269819 & 3.703791 & 0.004785\end{array}$

 $\begin{array}{lllllllll}1000 & 801.2701 & 0.012566 & 0.089683 & 0.07876 & 0.077488 & 4.277399 & 4.133697 & 0.008061\end{array}$ $\begin{array}{llllllll}1000 & 933.0404 & 0.009069 & 0.120497 & 0.090576 & 0.086319 & 5.555397 & 5.002637 \\ 0 & 0.008357\end{array}$ $\begin{array}{llllllllll}1000 & 1052.6 & 0.017549 & 0.111265 & 0.0880533 & 0.087011 & 5.922613 & 5.116567 & 0.0006887\end{array}$ | 1000 | 1236.845 | 0.016572 | 0.10161 | 0.098289 | 0.091245 | 5.82727 | 4.989197 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1198.802 | 0.0007819618 | 0.161823 | 0.0292914 | 0.143539 | 4.366496 | 4.731463 | $\begin{array}{lllllllll}1000 & 1198.802 & 0.019618 & 0.161823 & 0.092919 & 0.143539 & 4.366496 & 4.731463 & 0.011515 \\ 1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809\end{array}$ $\begin{array}{lllllllll}1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809 \\ 1000 & 1316.317 & 0.022939 & 0.094307 & 0.102548 & 0.132539 & 5.223293 & 5.639309 & 0.009799\end{array}$ $\begin{array}{lllllllllllll}1000 & 1091.831 & 0.017279 & 0.109752 & 0.073038 & 0.103167 & 5.416845 & 4.969777 & 0.009119\end{array}$ $\begin{array}{llllllllll}1000 & 1171.01 & 0.01422 & 0.125049 & 0.135668 & 0.128734 & 6.153437 & 6.314737 & 0.009351\end{array}$ $\begin{array}{lllllllll}1000 & 990.0574 & 0.008939 & 0.090201 & 0.077489 & 0.081927 & 3.560224 & 3.929657 & 0.00713\end{array}$ $\begin{array}{lllllllll}1000 & 1177.33 & 0.010043 & 0.121869 & 0.096204 & 0.073022 & 6.835366 & 7.002342 & 0.012133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.726 & 0.020937 & 0.102231 & 0.081104 & 0.109691 & 4.902837 & 6.787431 & 0.006611\end{array}$ $\begin{array}{lllllllll}1000 & 1315.845 & 0.009786 & 0.100325 & 0.076747 & 0.073621 & 5.419315 & 4.868953 & 0.008336\end{array}$ $\begin{array}{lllllllll}1000 & 753.1612 & 0.011546 & 0.08811 & 0.073328 & 0.056216 & 3.311268 & 3.313264 & 0.006551 \\ 1000 & 804.0128 & 0.010611 & 0.083517 & 0.068412 & 0.056384 & 3.310357 & 4.233062 & 0.00843\end{array}$ $\begin{array}{llllllllllllllll}1000 & 1013.1 & 0.013102 & 0.11277 & 0.078353 & 0.094254 & 7.579386 & 5.209694 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 1415.868 & 0.012013 & 0.124035 & 0.120066 & 0.098246 & 5.116583 & 4.88613 & 0.008134\end{array}$ $\begin{array}{lllllllll}1000 & 610.6806 & 0.004706 & 0.069937 & 0.10333 & 0.068003 & 2.917802 & 3.14514 & 0.005375\end{array}$ $\begin{array}{llllllllll}1000 & 1030.009 & 0.01172 & 0.097935 & 0.092336 & 0.104957 & 5.173254 & 4.691363 & 0.006997\end{array}$ $\begin{array}{lllllllll}1000 & 1053.813 & 0.006702 & 0.10595 & 0.060788 & 0.068683 & 4.881885 & 4.12111 & 0.0075338 \\ 1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & .390986 & 414298 & 0.007018\end{array}$ $\begin{array}{lllllllll}1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & 3.960986 & 4.14298 & 0.007018 \\ 1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.07318\end{array}$ $\begin{array}{lllllllll}1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.007318 \\ 1000 & 1372.558 & 0.010668 & 0.096254 & 0.104346 & 0.091741 & 5.159522 & 6.425217 & 0.006457\end{array}$ $\begin{array}{lllllllll}1000 & 824.5876 & 0.006078 & 0.080108 & 0.092562 & 0.0741 & 3.944416 & 3.9977709 & 0.0067047\end{array}$

 $\begin{array}{llllllllll} & 000 & 954.2253 & 0.011048 & 0.149877 & 0.186952 & 0.157538 & 5.91094 & 7.462015 & 0.015875\end{array}$ $\begin{array}{lllllllll}1000 & 1028.729 & 0.008774 & 0.12623 & 0.144816 & 0.097397 & 4.251522 & 4.218424 & 0.006603\end{array}$ $\begin{array}{lllllllll}1000 & 1050.314 & 0.007615 & 0.16769 & 0.18062 & 0.139368 & 7.397999 & 5.359317 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1669.22 & 0.008737 & 0.148415 & 0.118475 & 0.101552 & 4.936108 & 6.267155 & 0.007484\end{array}$ $\begin{array}{lllllllll}1000 & 887.264 & 0.007942 & 0.11573 & 0.092789 & 0.107319 & 4.139735 & 4.746539 & 0.006914\end{array}$ $\begin{array}{lllllllllll}1000 & 888.6373 & 0.005851 & 0.120667 & 0.08249 & 0.117977 & 4.632688 & 5.822165 & 0.009408 \\ 1000 & 988.0648 & 0.005252 & 0.160855 & 0.143556 & 0.140295 & 5.179484 & 5.245099 & 0.008757\end{array}$ $\begin{array}{lllllllllll}1000 & 856.2812 & 0.006825 & 0.132249 & 0.106995 & 0.124418 & 4.679574 & 3.718188 & 0.010609\end{array}$ $\begin{array}{llllllllllll}1000 & 993.5653 & 0.010862 & 0.129773 & 0.149713 & 0.1112 & 5.080851 & 6.309879 & 0.013008\end{array}$ $\begin{array}{lllllllll}1000 & 1121.438 & 0.00788 & 0.209371 & 0.170415 & 0.170407 & 4.95648 & 4.807475 & 0.013147\end{array}$ $\begin{array}{lllllllll}1000 & 1181.319 & 0.007746 & 0.207952 & 0.228154 & 0.128972 & 5.170134 & 5.008281 & 0.011843\end{array}$ $\begin{array}{lllllllll}1000 & 977.0996 & 0.0131 & 0.157712 & 0.113783 & 0.145396 & 5.733117 & 6.279094 & 0.011486\end{array}$ $\begin{array}{lllllllll}1000 & 1080.332 & 0.01095 & 0.117303 & 0.094113 & 0.096145 & 4.616004 & 5.424817 & 0.004899 \\ 1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108\end{array}$ $\begin{array}{lllllllll}1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108 \\ 1000 & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863\end{array}$ $\begin{array}{lllllllll} & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863 \\ 1000 & 1075.87 & 0.010789 & 0.162713 & 0.122742 & 0.14624 & 6.068447 & 5.657683 & 0.009251\end{array}$ $\begin{array}{llllllllll}1000 & 973.179 & 0.007254 & 0.154798 & 0.091279 & 0.103994 & 4.723108 & 4.426468 & 0.011375\end{array}$ $\begin{array}{lllllllll}1000 & 1036.719 & 0.006388 & 0.112896 & 0.107704 & 0.101394 & 3.68412 & 3.670745 & 0.004995\end{array}$ $\begin{array}{lllllllll}1000 & 1122.152 & 0.006653 & 0.118294 & 0.132685 & 0.129507 & 7.106644 & 4.733732 & 0.0095441\end{array}$ $\begin{array}{llllllllll}1000 & 552.2547 & 0.004533 & 0.072366 & 0.04007 & 0.067557 & 3.398653 & 3.273972 & 0.006712\end{array}$ $\begin{array}{lllllllll}1000 & 1077.994 & 0.006838 & 0.131668 & 0.113637 & 0.082503 & 4.636687 & 4.6695 & 0.007225\end{array}$ | 000 | 1117.627 | 0.007624 | 0.116165 | 0.13971 | 0.120569 | 5.151453 | 5.035786 | 0.009776 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 683.0605 | 0.006681 | 0.094835 | 0.063998 | 0.087346 | 3.313042 | 3.356565 | 0.005753 | $\begin{array}{lllllllll}1000 & 683.0605 & 0.006681 & 0.094835 & 0.063998 & 0.087346 & 3.313042 & 3.395635 & 0.005253 \\ 1000 & 1230.066 & 0.014954 & 0.161209 & 0.183921 & 0.111571 & 5.531636 & 7.602663 & 0.010824\end{array}$ $\begin{array}{lllllllll}1000 & 1350.056 & 0.014954 & 0.161109 & 0.183921 & 0.11157 & 5.531636 & 7.602663 & 0.010824 \\ 1000 & 755.2571 & 0.006092 & 0.06626 & 0.050913 & 0.047263 & 3.062147 & 4.499276 & 0.006234\end{array}$ $\begin{array}{lllllllll}000 & 807.0995 & 0.010626 & 0.113431 & 0.118033 & 0.056273 & 4.454462 & 4.652364 & 0.007042\end{array}$ $\begin{array}{lllllllll}1000 & 1606.912 & 0.011159 & 0.14641 & 0.131425 & 0.122007 & 6.592695 & 8.691475 & 0.007447\end{array}$



$\begin{array}{llll}0.083696 & 0.201797 & 0.917095 & 0.845605\end{array}$ $\begin{array}{llll}0.103333 & 0.276703 & 0.661272 & 0.75158 \\ 0.088213 & 0.323538 & 0.916008 & 0.789407\end{array}$ $\begin{array}{llllll}0.079282 & 0.302117 & 1.086334 & 0.863936\end{array}$ $\begin{array}{lllll}0.097405 & 0.324281 & 1.114693 & 1.355481\end{array}$ $\begin{array}{llllll}0.077352 & 0.306383 & 0.921915 & 0.583043\end{array}$ $\begin{array}{llll}0.076344 & 0.266908 & 0.528052 & 0.770031\end{array}$ $\begin{array}{lllll}0.077251 & 0.355244 & 0.701179 & 0.792349\end{array}$ $\begin{array}{rrrr}0.123527 & 0.310076 & 0.8757 & 0.76015 \\ 0.098473 & 0.305204 & 0.66436 & 0.637576\end{array}$ $\begin{array}{lllll}0.111156 & 0.2428 & 0.526604 & 1.001757\end{array}$ $\begin{array}{llllllll}0.075805 & 0.305611 & 0.723196 & 0.746406\end{array}$ $\begin{array}{lllll}0.073657 & 0.268603 & 0.553683 & 0.505668\end{array}$ $\begin{array}{llllllll}0.094724 & 0.210428 & 0.662241 & 1.086058\end{array}$ $\begin{array}{llllllll}0.067853 & 0.324909 & 0.873279 & 0.457086\end{array}$ $\begin{array}{lllll}0.041559 & 0.245832 & 0.787969 & 0.475841\end{array}$ | 0.062717 | 0.377104 | 1.132919 | 0.881158 |
| :--- | :--- | :--- | :--- |
| 078472 | 0.254547 | 0.79151 | 0.577032 | $\begin{array}{llll}0.08472 & 0.254547 & 0.79151 & 0.577032 \\ 0.081907 & 0.405284 & 0.952685 & 0.775906\end{array}$ $\begin{array}{llllll}0.133433 & 0.418531 & 0.89542 & 0.774429\end{array}$ $\begin{array}{llllll}0.043375 & 0.257209 & 0.572246 & 0.53952\end{array}$ $\begin{array}{lllllll}0.062871 & 0.292291 & 0.855482 & 0.744521\end{array}$ $\begin{array}{llllll}0.058979 & 0.214954 & 0.449502 & 0.672705\end{array}$ $\begin{array}{llll}0.058963 & 0.296526 & 0.566583 & 0.74368\end{array}$ $\begin{array}{llll}0.063948 & 0.310955 & 1.431218 & 0.675923\end{array}$ $\begin{array}{lllll}0.065787 & 0.275406 & 0.40973 & 0.481235\end{array}$ $0.040818 \quad 0.271853 \quad 0.60664 \quad 0.502385$ $\begin{array}{llllllllll}0.078382 & 0.312809 & 0.636326 & 0.726662\end{array}$ $\begin{array}{llllll}0.055099 & 0.279054 & 0.860321 & 0.885344\end{array}$ $0.0624 \quad 0.3162150 .4956210 .521928$ $\begin{array}{lllll}0.045926 & 0.282943 & 0.611198 & 0.492008\end{array}$ $\begin{array}{llllll}0.025522 & 0.291445 & 0.518871 & 0.567282\end{array}$ $\begin{array}{llll}0.079169 & 0.406742 & 0.52884 & 0.657153 \\ 0.05595 & 0.392127 & 0.60589 & 0.655529\end{array}$ $\begin{array}{lllll}0.082029 & 0.457817 & 0.844718 & 0.676885\end{array}$ $\begin{array}{llllll}0.046802 & 0.424729 & 0.634265 & 0.582386\end{array}$ $\begin{array}{lllll}0.051101 & 0.398233 & 0.790261 & 0.774236\end{array}$ $\begin{array}{lllll}0.089618 & 0.365711 & 0.5222 & 0.874647\end{array}$ $\begin{array}{llll}0.062073 & 0.412484 & 0.850796 & 1.006944\end{array}$ $\begin{array}{lllll}0.046661 & 0.328859 & 0.519283 & 0.480545\end{array}$ $\begin{array}{llll}0.045325 & 0.354592 & 0.81187 & 0.766764\end{array}$ 0691670.2313630 .5396880 .011879 $\begin{array}{lllll}0.083819 & 0.434603 & 1.476378 & 0.774401\end{array}$ $\begin{array}{lllll}0.058881 & 0.294623 & 1.111291 & 0.64152\end{array}$ $\begin{array}{lllll}0.073583 & 0.336673 & 1.154727 & 0.647747\end{array}$ 0.0643790 .4035670 .9954310 .794958 $\begin{array}{llll}0.07489 & 0.329479 & 0.802012 & 0.572851\end{array}$ $\begin{array}{lllll}0.05626 & 0.188213 & 0.460865 & 0.56473\end{array}$ $\begin{array}{lllll}0.117151 & 0.288318 & 0.86145 & 0.56373\end{array}$ $0.098370 .408764 \quad 1.0533830 .764163$ $\begin{array}{llllll}0.113329 & 0.324361 & 0.909241 & 1.112609\end{array}$ $\begin{array}{lllllll}0.089391 & 0.407538 & 0.991559 & 0.909655\end{array}$ 0.0741430 .2169050 .8189080 .464064 $\begin{array}{llll}0.066423 & 0.32418 & 1.081762 & 0.735518\end{array}$ $\begin{array}{lllll}0.084891 & 0.213973 & 0.583193 & 0.508413\end{array}$ $\begin{array}{llll}0.111603 & 0.397139 & 1.065156 & 0.838418 \\ 0.097847 & 0.272248 & 0.651496 & 0.858592\end{array}$ $\begin{array}{lllll}0.85848 \\ 0.079053 & 0.229241 & 0.5319599 & 0.612442\end{array}$ $\begin{array}{llllll}0.077328 & 0.308199 & 0.740873 & 0.597106\end{array}$ $\begin{array}{llllll}0.124329 & 0.261266 & 0.823266 & 0.73284\end{array}$ $\begin{array}{lllll}0.065222 & 0.18947 & 0.559972 & 0.365039\end{array}$


$\begin{array}{lllllllll}1000 & 1016.221 & 0.007099 & 0.094623 & 0.08589 & 0.092663 & 4.486746 & 4.963973 & 0.011594 \\ 1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 & 0.006518\end{array}$ $\begin{array}{llllllll}1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 \\ 0.006518 \\ 1000 & 950.2908 & 0.01302 & 0.120415 & 0.131304 & 0.10192 & 4.707709 & 6.204489 \\ 0.012003\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.111084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.117084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213 \\ 1000 & 1110.14 & 0.023229 & 0.13956 & 0.174083 & 0.128907 & 5.209649 & 5.21494 & 0.014084\end{array}$ | 1000 | 852.3185 | 0.016419 | 0.103542 | 0.106813 | 0.071966 | 4.23153 | 5.233355 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.008169 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1574.105 & 0.014493 & 0.117124 & 0.103436 & 0.084973 & 4.221981 & 3.819687 & 0.012251 \\ 1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5370208 & 6.677 & 0.012442\end{array}$ $\begin{array}{lllllllll}1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5.370208 & 6.677 & 0.012442 \\ 1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.85036 & 0.008304\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.858036 \\ 0.008304 \\ 1000 & 899.5454 & 0.01397 & 0.150538 & 0.109549 & 0.107297 & 4.375538 & 4.969924 \\ 0.006723\end{array}$ $\begin{array}{lllllllll}1000 & 1090.788 & 0.012767 & 0.14373 & 0.085471 & 0.111843 & 4.124196 & 5.056014 & 0.0010143\end{array}$ $\begin{array}{llllllllll}1000 & 865.9338 & 0.009617 & 0.125013 & 0.089434 & 0.106407 & 4.255877 & 4.462817 & 0.00857\end{array}$ $\begin{array}{llllllllll}1000 & 1135.011 & 0.00989 & 0.102061 & 0.093735 & 0.096517 & 4.20032 & 3.783032 & 0.004361\end{array}$ $\begin{array}{lllllllll}1000 & 1076.333 & 0.01365 & 0.128134 & 0.071661 & 0.139444 & 4.194757 & 5.710145 & 0.009123\end{array}$ $\begin{array}{llllllllll}1000 & 804.5285 & 0.007785 & 0.117597 & 0.15865 & 0.097554 & 4.676369 & 5.116258 & 0.005377\end{array}$ $\begin{array}{lllllllll}1000 & 707.2561 & 0.008202 & 0.114214 & 0.149803 & 0.095782 & 4.322039 & 4.078639 & 0.010286 \\ 1000 & 1170.893 & 0.014653 & 0.142921 & 0.14883 & 0.127582 & 5.1683 & 4.841204 & 0.007479\end{array}$ $\begin{array}{llllllll}1000 & 11770.893 & 0.014653 & 0.149221 & 0.148835 & 0.127582 & 5.16803 & 4.841204 \\ 0 & 0.007479 \\ 1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697\end{array} 0.008242$ $\begin{array}{lllllllll}1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697 & 0.008242 \\ 1000 & 1226.172 & 0.007848 & 0.170748 & 0.176601 & 0.180191 & 6.182361 & 5.684843 & 0.010146\end{array}$ $\begin{array}{llllllllll}1000 & 1215.358 & 0.010439 & 0.152939 & 0.186098 & 0.12052 & 5.126152 & 4.540818 & 0.009699\end{array}$ $\begin{array}{llllllllll}1000 & 593.8731 & 0.005299 & 0.109777 & 0.101871 & 0.101497 & 3.216839 & 2.960629 & 0.007717\end{array}$ $\begin{array}{llllllllll}1000 & 1236.537 & 0.00626 & 0.140107 & 0.104027 & 0.104237 & 4.537283 & 3.949645 & 0.008389\end{array}$ $\begin{array}{llllllllll}1000 & 787.6389 & 0.007324 & 0.101815 & 0.069231 & 0.08097 & 3.740782 & 3.691418 & 0.005012\end{array}$ $\begin{array}{lllllllll}1000 & 871.03377 & 0.007587 & 0.1071 & 0.126963 & 0.111998 & 3.478503 & 3.261468 & 0.007906 \\ 1000 & 1077921 & 0.01638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29292 & 0.006344\end{array}$ $\begin{array}{lllllllll}1000 & 1077.921 & 0.011638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29294 & 0.006344 \\ 1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927\end{array}$ $\begin{array}{lllllllll}1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927 \\ 1000 & 770.8747 & 0.005289 & 0.11753 & 0.095405 & 0.095173 & 3.670777 & 3.688437 & 0.003774\end{array}$ $\begin{array}{lllllllll}1000 & 770.8747 & 0.005289 & 0.11153 & 0.095405 & 0.0951773 & 3.670777 & 3.688337 & 0.003774 \\ 1000 & 729.9977 & 0.003877 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186\end{array}$ $\begin{array}{lllllllll}1000 & 729.9977 & 0.003887 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186 \\ 1000 & 941.9113 & 0.009091 & 0.093606 & 0.129406 & 0.09521 & 3.775278 & 3.929278 & 0.003195\end{array}$ $\begin{array}{llllllllll}1000 & 1344.561 & 0.006621 & 0.105728 & 0.118374 & 0.090613 & 5.301045 & 3.719901 & 0.003686\end{array}$ $\begin{array}{llllllll}1000 & 984.0357 & 0.009991 & 0.124466 & 0.151018 & 0.08435 & 5.026571 & 4.122042\end{array} 0.0006617$ $\begin{array}{lllllllll}1000 & 777.7399 & 0.008141 & 0.146862 & 0.12609 & 0.11483 & 5.090093 & 4.015402 & 0.010302 \\ 1000 & 1160.911 & 0.008077 & 0.115564 & 0.079303 & 0.109646 & 4.52522 & 3.787469 & 0.0068\end{array}$ $\begin{array}{ccccccccc}1000 & 1160.911 & 0.008077 \\ 1000 & 1279.97 & 0.01158564 & 0.0793303 & 0.109646 & 4.52502 & 3.787469 & 0.0068 \\ 1 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201\end{array}$ $\begin{array}{lllllllll}1000 & 1279.97 & 0.010387 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201 \\ 1000 & 889.4979 & 0.008381 & 0.111178 & 0.138824 & 0.12838 & 4.40959 & 5.591435 & 0.006881\end{array}$ $\begin{array}{llllllllll}1000 & 1358.712 & 0.008873 & 0.235041 & 0.174854 & 0.15902 & 6.713883 & 5.873333 & 0.00653\end{array}$ $\begin{array}{lllllllllllllll}1000 & 812.2332 & 0.008073 & 0.10745 & 0.12111 & 0.104481 & 4.479777 & 3.638333 & 0.006397\end{array}$ $\begin{array}{lllllllllll}1000 & 967.6265 & 0.006662 & 0.129528 & 0.055498 & 0.105201 & 4.970915 & 6.723842 & 0.010205\end{array}$ $\begin{array}{lllllllllllllll}1000 & 856.8817 & 0.009959 & 0.094299 & 0.094604 & 0.087075 & 4.985402 & 5.729057 & 0.003508\end{array}$ $\begin{array}{lllllllll}1000 & 1059.811 & 0.00769 & 0.104467 & 0.062987 & 0.08843 & 5.851986 & 5.720256 & 0.004627\end{array}$ | 1000 | 761.5438 | 0.0066133 | 0.090968 | 0.08881 | 0.070664 | 3.50178 | 3.318719 | 0.005394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1305.325 & 0.005612 & 0.100677 & 0.097859 & 0.100891 & 5.103456 & 3.775519 & 0.003332 \\ 1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215\end{array}$ $\begin{array}{lllllllll}1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215 \\ 1000 & 785.0348 & 0.011095 & 0.09686 & 0.096597 & 0.102212 & 3.573946 & 3.465522 & 0.008093\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 785.0338 & 0.011095 & 0.09686 & 0.096597 & 0.1022212 & 3.573946 & 3.465522 & 0.008093 \\ 1000 & 11423.314 & 0.01224 & 0.172575 & 0.111982 & 0.180714 & 6.134168 & 5.690494 & 0.011901\end{array}$ $\begin{array}{llllllllll}1000 & 845.8775 & 0.00831 & 0.117239 & 0.104515 & 0.09534 & 3.43989 & 3.454609 & 0.007993\end{array}$ $\begin{array}{llllllllll}1000 & 920.6605 & 0.013273 & 0.120156 & 0.100762 & 0.146567 & 4.68845 & 4.459565 & 0.010216\end{array}$ $\begin{array}{lllllllll}1000 & 956.5049 & 0.013653 & 0.251992 & 0.165922 & 0.167604 & 5.641193 & 6.856175 & 0.007094\end{array}$ $\begin{array}{llllllllll}1000 & 1085.356 & 0.012672 & 0.197891 & 0.092774 & 0.145275 & 3.54006 & 5.963944 & 0.010315\end{array}$ $\begin{array}{lllllllll}1000 & 824.6639 & 0.011884 & 0.148416 & 0.070722 & 0.139725 & 3.671278 & 4.624993 & 0.006797 \\ 1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682\end{array}$ $\begin{array}{lllllllll}1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682 \\ 1000 & 931.6837 & 0.013511 & 0.131078 & 0.076927 & 0.126919 & 4.394896 & 5.314237 & 0.008008\end{array}$ $\begin{array}{llllllll}1000 & 931.6837 & 0.013511 & 0.131078 & 0.074927 & 0.126919 & 4.394896 & 5.314237 \\ 1000 & 1049.128 & 0.010651 & 0.171883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 0.008501\end{array}$ $\begin{array}{llllllll}1000 & 1049.128 & 0.010651 & 0.1718883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 10.008501 \\ 1000 & 900.3294 & 0.012948 & 0.201184 & 0.15362 & 0.16056 & 4.547869 & 4.570922 \\ 0.010363\end{array}$ | 1000 | 1355.985 | 0.014597 | 0.201627 | 0.1775 | 0.247589 | 4.689395 | 5.177848 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 690.7616 & 0.008249 & 0.197834 & 0.217916 & 0.183749 & 4.140097 & 4.604512 & 0.0006164 \\ 1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.0950 & 0.01848\end{array}$ $\begin{array}{lllllllll}1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.09506 & 0.011843 \\ 1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 354286 & 3.086281 & 0.01456\end{array}$ $\begin{array}{lllllllll}1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 3.542686 & 3.986281 & 0.00456\end{array}$ $\begin{array}{lllllllll}1000 & 1257.304 & 0.019025 & 0.251169 & 0.241427 & 0.25009 & 5.28923 & 5.629704 & 0.015287 \\ 1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3741123 & 3.565873 & 0.01007\end{array}$ $\begin{array}{lllllllll}1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3.741123 & 3.565873 & 0.010007 \\ 1000 & 1248.964 & 0.01498 & 0.289531 & 0.224974 & 0.270115 & 4.571101 & 4.042984 & 0.011198\end{array}$ $\begin{array}{llllllll}1000 & 823.5624 & 0.016809 & 0.394811 & 0.34523 & 0.474367 & 3.763297 & 4.168391\end{array} 0.015613$ $\begin{array}{lllllllll}1000 & 998.6634 & 0.016629 & 0.501138 & 0.326665 & 0.46665 & 4.153445 & 5.534993 & 0.017012\end{array}$ $\begin{array}{llllllllllll}1000 & 750.2849 & 0.01435 & 0.413226 & 0.451846 & 0.36722 & 3.289197 & 3.722567 & 0.009513\end{array}$



$\begin{array}{llll}0.065676 & 0.268865 & 0.738267 & 0.616283 \\ 0.113977 & 0.316248 & 1.140023 & 0.81072\end{array}$ $\begin{array}{llll}0.113977 & 0.316248 & 1.140023 & 0.81072 \\ 0.075655 & 0.234425 & 0.474864 & 0.524759\end{array}$ $\begin{array}{llllll}0.09894 & 0.318365 & 0.75121 & 0.689122\end{array}$ $\begin{array}{llllll}0.045102 & 0.220789 & 0.487006 & 0.549946\end{array}$ $\begin{array}{lllllll}0.076409 & 0.287614 & 0.832738 & 0.655377\end{array}$ $\begin{array}{lllll}0.109905 & 0.275365 & 0.640198 & 0.880878\end{array}$ $\begin{array}{llll}0.058623 & 0.323127 & 0.594344 & 0.61409\end{array}$ $\begin{array}{lllll}0.063886 & 0.328648 & 0.803406 & 0.876994 \\ 0.050537 & 0.299871 & 0.619091 & 0.526927\end{array}$ $\begin{array}{lllll}0.060688 & 0.27798 & 0.473557 & 0.502419\end{array}$ $\begin{array}{lllll}0.076555 & 0.381852 & 0.674898 & 0.921046\end{array}$ $\begin{array}{lllll}0.099239 & 0.275926 & 0.627504 & 0.659976\end{array}$ $\begin{array}{llllll}0.084457 & 0.29799 & 0.549045 & 0.506182\end{array}$ $\begin{array}{lllllll}0.116179 & 0.417042 & 0.709609 & 0.540677\end{array}$ $\begin{array}{llll}0.035856 & 0.171578 & 0.350613 & 0.357328\end{array}$ $\begin{array}{llll}0.069348 & 0.230334 & 0.51509 & 0.384643\end{array}$ $\begin{array}{llll}0.0653579 & 0.245251 & 0.51821 & 0.588234 \\ 0.0785456 & 0.681643\end{array}$ 0.0685770 .2986790 .4738980 .425224 $\begin{array}{llllll}0.072191 & 0.372576 & 0.634176 & 0.679261\end{array}$ 0.0681450 .2237670 .5759020 .529974 $\begin{array}{lllll}0.080033 & 0.26611 & 0.554307 & 0.541584\end{array}$ 0.0919730 .3118610 .5409780 .624562 $\begin{array}{llllllll}0.050829 & 0.188007 & 0.384176 & 0.431768\end{array}$ | 0.04244 | 0.182239 | 0.352643 | 0.373198 |
| :--- | :--- | :--- | :--- |
| 071987 | 0.272691 | 0.544153 | 0.614675 | $\begin{array}{llllll}0.076623 & 0.32011 & 0.898537 & 0.506941\end{array}$ $\begin{array}{lllll}0.066518 & 0.284938 & 0.535653 & 0.365459\end{array}$ $\begin{array}{lllll}0.067368 & 0.31295 & 0.56088 & 0.576897\end{array}$ $\begin{array}{llllll}0.059817 & 0.34385 & 1.197257 & 0.526476\end{array}$ $\begin{array}{llllllllll}0.061617 & 0.280236 & 0.596757 & 0.566262\end{array}$ $\begin{array}{llll}0.060742 & 0.166824 & 0.373552 & 0.31503\end{array}$ $\begin{array}{llll}0.043619 & 0.306752 & 0.643224 & 0.514508 \\ & 0.082247 & 0.289094 & 0.424587\end{array}$ $\begin{array}{lllll}0.081429 & 0.37922 & 0.497026 & 0.858797\end{array}$ $\begin{array}{lllll}0.08065 & 0.288804 & 0.507602 & 0.416375\end{array}$ $\begin{array}{lllll}0.087862 & 0.269682 & 0.578383 & 0.484711\end{array}$ $\begin{array}{lllllll}0.067144 & 0.313885 & 0.624764 & 0.624783\end{array}$ $\begin{array}{llll}0.064276 & 0.249311 & 0.371427 & 0.271022\end{array}$ $\begin{array}{lllll}0.071888 & 0.315816 & 0.363209 & 0.374765\end{array}$ $\begin{array}{llll}0.068193 & 0.246931 & 0.482722 & 0.405621 \\ 0.04629 & 0.17543 & 0.349861 & 0.383319\end{array}$ $\begin{array}{lllll}0.070105 & 0.249137 & 0.406832 & 0.418164\end{array}$ $\begin{array}{lllll}0.094099 & 0.282587 & 0.542026 & 0.513018\end{array}$ $\begin{array}{llllll}0.081242 & 0.336452 & 0.567386 & 0.497003\end{array}$ $\begin{array}{llllll}0.075775 & 0.295109 & 0.393918 & 0.36318\end{array}$ $\begin{array}{llll}0.066286 & 0.264543 & 0.488434 & 0.309966\end{array}$ $\begin{array}{llll}0.041711 & 0.236466 & 0.561484 & 0.27726\end{array}$ $\begin{array}{llll}0.071345 & 0.338379 & 0.335573 & 0.320607\end{array}$ | 0.036835 | 0.226509 | 0.385659 | 0.25353 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.034867 & 0.294721 & 0.260064 & 0.314215\end{array}$ $0.084083 \quad 0.291174 \quad 0.334823 \quad 0.305431$ $\begin{array}{llllllllllll}0.050216 & 0.340251 & 0.295357 & 0.277428\end{array}$ $\begin{array}{llll}0.046059 & 0.299606 & 0.258698 & 0.22819\end{array}$ $\begin{array}{llll}0.054756 & 0.182943 & 0.260061 & 0.196812\end{array}$ $\begin{array}{llll}0.032255 & 0.308419 & 0.322532 & 0.303762\end{array}$ $\begin{array}{llll}0.041426 & 0.355073 & 0.229179 & 0.280469\end{array}$ $\begin{array}{llll}0.041853 & 0.294108 & 0.277086 & 0.282102\end{array}$ $\begin{array}{lllll}0.031071 & 0.337199 & 0.284834 & 0.4231\end{array}$ $\begin{array}{lllllll}0.055782 & 0.347701 & 0.359497 & 0.234332\end{array}$ $\begin{array}{lllll}0.049772 & 0.448418 & 0.424167 & 0.361735\end{array}$


$\begin{array}{llllllllllll}1000 & 872.9719 & 0.014065 & 0.704017 & 0.33957 & 0.291189 & 3.849276 & 4.044059 & 0.010171\end{array}$ | 1000 | 1330.091 | 0.013185 | 0.358471 | 0.350273 | 0.37538 | 5.490088 | 5.3408936 | 0.014696 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll} & 0000 & 893.3956 & 0.014834 & 0.291444 & 0.194535 & 0.188509 & 3.448135 & 3.373683 \\ 1000 & 1420.369 & 0.014366 & 0.256093 & 0.160132 & 0.170031 & 5.021392 & 3.857482 & 0.005449\end{array}$ $\begin{array}{lllllllll}1000 & 649.4856 & 0.009712 & 0.156284 & 0.101053 & 0.09641 & 3.168338 & 2.663237 & 0.004957\end{array}$ $\begin{array}{lllllllll}1000 & 948.4029 & 0.012895 & 0.178114 & 0.181156 & 0.174702 & 4.931106 & 4.486495 & 0.007794\end{array}$ $\begin{array}{lllllllll}1000 & 1228.832 & 0.008471 & 0.187775 & 0.160115 & 0.155118 & 3.667647 & 3.907937 & 0.0077168 \\ 1000 & 899.1288 & 0.11519 & 0.169979 & 0.118793 & 0.14327 & 3.93855 & 4.315453 & 0.014771\end{array}$ $\begin{array}{llllllll}1000 & 899.1228 & 0.011519 & 0.160979 & 0.118793 & 0.143227 & 3.93685 & 4.315453 \\ 1000 & 1276.816 & 0.014771 \\ 1 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.05009\end{array}$ $\begin{array}{lllllllll}1000 & 1276.816 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.005009 \\ 1000 & 1255.613 & 0.009139 & 0.096677 & 0.107209 & 0.111357 & 4.622795 & 3.610387 & 0.006977\end{array}$ $\begin{array}{llllllllll}1000 & 1053.183 & 0.015042 & 0.125036 & 0.146874 & 0.106161 & 4.216895 & 4.201283 & 0.009146\end{array}$ $\begin{array}{llllllllll}1000 & 1678.138 & 0.013739 & 0.114768 & 0.134825 & 0.126052 & 5.6345 & 4.978124 & 0.012016\end{array}$ $\begin{array}{lllllllll}1000 & 1124.756 & 0.012753 & 0.10207 & 0.078082 & 0.09377 & 4.272023 & 3.532683 & 0.010574\end{array}$ $\begin{array}{llllllllll}1000 & 1362.616 & 0.01134 & 0.102 & 0.06596 & 0.080998 & 4.039916 & 4.097019 & 0.008362\end{array}$ $\begin{array}{lllllllll}1000 & 1324.256 & 0.009756 & 0.101336 & 0.137302 & 0.098679 & 4.292796 & 4.947793 & 0.009385\end{array}$ $\begin{array}{lllllllll}1000 & 703.6922 & 0.006659 & 0.084906 & 0.046896 & 0.06574 & 2.840201 & 2.90494 & 0.007919\end{array}$ $\begin{array}{lllllllll}1000 & 825.6332 & 0.010975 & 0.100352 & 0.08978 & 0.07033 & 3.239133 & 3.664747 & 0.006101 \\ 1000 & 1034.259 & 0.012176 & 0.114602 & 0.061401 & 0.05521 & 4.56873 & 4.448224 & 0.009237\end{array}$ $\begin{array}{llllllllll}1000 & 916.2945 & 0.016705 & 0.101138 & 0.120177 & 0.090567 & 5.192324 & 4.502734 & 0.0090375\end{array}$ $\begin{array}{llllllllll}1000 & 825.8778 & 0.007036 & 0.098165 & 0.060628 & 0.070739 & 3.900381 & 3.578411 & 0.012907\end{array}$ $\begin{array}{lllllllll}1000 & 1155.405 & 0.01102 & 0.103596 & 0.135147 & 0.102994 & 4.909748 & 4.706077 & 0.012697\end{array}$ $\begin{array}{lllllllll}1000 & 813.3077 & 0.010929 & 0.102051 & 0.107932 & 0.076639 & 3.817345 & 3.87721 & 0.010811\end{array}$ $\begin{array}{llllllllllllll}1000 & 914.6925 & 0.010652 & 0.076627 & 0.076387 & 0.085377 & 4.407336 & 3.619565 & 0.012099\end{array}$ $\begin{array}{llllllllll}1000 & 920.6502 & 0.015795 & 0.116947 & 0.127196 & 0.070757 & 4.800968 & 5.007915 & 0.010288\end{array}$ $\begin{array}{lllllllll}1000 & 954.6204 & 0.011465 & 0.06894 & 0.095311 & 0.080382 & 3.50812 & 3.812511 & 0.009583 \\ 1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 & 0.006357\end{array}$ $\begin{array}{rrrrrrrr}1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 \\ 10.006357 \\ 1000 & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 \\ 0 & 0.011001\end{array}$ $\begin{array}{lllllllll} & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 & 0.0110067 \\ 1000 & 926.7225 & 0.019365 & 0.096769 & 0.125932 & 0.097836 & 5.89259 & 4.229299 & 0.012267\end{array}$ $\begin{array}{lllllllll}1000 & 828.3485 & 0.011012 & 0.086456 & 0.072677 & 0.075966 & 3.779308 & 3.02274 & 0.009313\end{array}$ $\begin{array}{lllllllll}1000 & 1161.764 & 0.011365 & 0.109718 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005806\end{array}$ $\begin{array}{lllllllll}1000 & 1611.764 & 0.011365 & 0.10971 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005830 \\ 1000 & 1047.277 & 0.00882 & 0.104816 & 0.119221 & 0.087379 & 4.200663 & 4.849936 & 0.009275\end{array}$ | 1000 | 891.3188 | 0.009442 | 0.091106 | 0.114499 | 0.098883 | 3.480927 | 3.562527 | 0.006534 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 977.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 | | 1000 | 797.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1156.795 & 0.009631 & 0.142164 & 0.077825 & 0.111322 & 4.333877 & 5.226023 & 0.013111 \\ 1000 & 944.7618 & 0.008217 & 0.10563 & 0.061842 & 0.079404 & 3.985668 & 4.081635 & 0.005877\end{array}$ $\begin{array}{lllllllll}1000 & 9445.5014 & 0.008816 & 0.093887 & 0.076977 & 0.101333 & 4.385944 & 4.171995 & 0.0048677\end{array}$ $\begin{array}{llllllllll}1000 & 873.9323 & 0.006792 & 0.112003 & 0.094152 & 0.108877 & 4.237036 & 4.216531 & 0.008746\end{array}$ $\begin{array}{llllllllll}1000 & 1410.894 & 0.014165 & 0.113134 & 0.086203 & 0.088789 & 4.513254 & 4.305039 & 0.010252\end{array}$ $\begin{array}{lllllllll}1000 & 948.2983 & 0.003536 & 0.113041 & 0.107225 & 0.091019 & 4.072684 & 4.52745 & 0.006672\end{array}$ $\begin{array}{lllllllll}1000 & 740.6505 & 0.005411 & 0.076641 & 0.066764 & 0.060943 & 3.262087 & 2.835855 & 0.00674 \\ 1000 & 829.9658 & 0.00529 & 0.077766 & 0.054144 & 0.11726 & 3.428368 & 3.865448 & 0.007734\end{array}$ | 1000 | 829.9658 | 0.00529 | 0.077766 | 0.054149 | 0.117286 | 3.498268 | 3.864548 | 0.007734 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 807.4725 & 0.01077 & 0.089988 & 0.102311 & 0.104708 & 3.53959 & 3.951815 & 0.008468\end{array}$ $\begin{array}{llllllllll}1000 & 625.9525 & 0.007907 & 0.066094 & 0.056907 & 0.05721 & 3.039407 & 3.249657 & 0.005351 \\ 1000 & 795.8265 & 0.010302 & 0.068463 & 0.094903 & 0.128941 & 3.32438 & 3.108438 & 0.00443\end{array}$ $\begin{array}{lllllllll}1000 & 1065.478 & 0.013635 & 0.097266 & 0.0559 & 0.071746 & 4.153582 & 3.872499 & 0.007499\end{array}$ $\begin{array}{lllllllll}1000 & 1004.091 & 0.015923 & 0.09168 & 0.080265 & 0.095451 & 5.054765 & 4.364382 & 0.006421\end{array}$ $\begin{array}{lllllllll}1000 & 1045.102 & 0.01334 & 0.102867 & 0.057352 & 0.079753 & 3.461246 & 3.510425 & 0.003583\end{array}$ $\begin{array}{lllllllll}1000 & 1018.723 & 0.010329 & 0.067551 & 0.105888 & 0.064331 & 3.073359 & 2.940115 & 0.004365\end{array}$ $\begin{array}{llllllllll}1000 & 857.1641 & 0.007611 & 0.074142 & 0.058673 & 0.058886 & 2.988797 & 2.959785 & 0.005923 \\ 1000 & & 31.4585 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 380647 & 3.47813 & 0.005086\end{array}$ $\begin{array}{lllllllll}1000 & 931.45855 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 3.80647 & 3.478132 & 0.005086 \\ 1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753\end{array}$ $\begin{array}{lllllllll}1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753 \\ 1000 & 890.6175 & 0.003749 & 0.07393 & 0.063187 & 0.061287 & 3.095169 & 3.189477 & 0.002408\end{array}$ $\begin{array}{lllllllll}1000 & 890.6175 & 0.003749 & 0.07393 & 0.063188 & 0.061287 & 3.095169 & 3.189477 & 0.002408 \\ 1000 & 955.0018 & 0.007812 & 0.071794 & 0.078389 & 0.070699 & 3.26266 & 3.142689 & 0.000858\end{array}$ $\begin{array}{llllllllll}1000 & 9499.4681 & 0.004039 & 0.081506 & 0.081974 & 0.073163 & 3.655159 & 3.428821 & 0.002951\end{array}$ $\begin{array}{lllllllllll}1000 & 1093.527 & 0.011701 & 0.079208 & 0.054211 & 0.076298 & 3.512374 & 3.572749 & 0.004509\end{array}$ $\begin{array}{lllllllll}1000 & 869.6405 & 0.004782 & 0.060918 & 0.10562 & 0.052589 & 3.35508 & 3.336445 & 0.002368\end{array}$ $\begin{array}{lllllllll}1000 & 822.2375 & 0.003044 & 0.066574 & 0.023122 & 0.050034 & 3.000961 & 3.08378 & 0.001469\end{array}$ $\begin{array}{llllllllll}1000 & 1012.584 & 0.00491 & 0.067987 & 0.066981 & 0.057394 & 3.347137 & 3.862973 & 0.004069\end{array}$ $\begin{array}{lllllllll}1000 & 1080.664 & 0.004111 & 0.049027 \\ 1000 & 056.2832 & 0.055718 & 0.068522 & 3.691904 & 3.964249 & 0.001371\end{array}$ $\begin{array}{lllllllll}1000 & 856.2832 & 0.003448 & 0.055312 & 0.068453 & 0.044904 & 3.446015 & 3.456855 & 0.001545 \\ 1000 & 1011.951 & 0.009626 & 0.060266 & 0.022406 & 0.059954 & 4.037772 & 3.789148 & 0.003658\end{array}$ $\begin{array}{lllllllll}1000 & 1004.951 & 0.006057 & 0.067936 & 0.069196 & 0.059292 & 4.27992 & 3.930326 & 0.001364\end{array}$ $\begin{array}{llllllllll}1000 & 1107.037 & 0.004778 & 0.058946 & 0.021915 & 0.050295 & 4.062097 & 4.331422 & 0.001667\end{array}$ $\begin{array}{llllllllll}1000 & 1115.189 & 0.002279 & 0.049183 & 0.048221 & 0.037579 & 3.91192 & 4.057308 & 0.001294\end{array}$



$\begin{array}{lllll}0.035028 & 0.376487 & 0.417775 & 0.428052\end{array}$ $\begin{array}{lllll}0.021857 & 0.410397 & 0.356959 & 0.308907\end{array}$ $\begin{array}{llllll}0.030416 & 0.351169 & 0.287911 & 0.303057\end{array}$ $\begin{array}{lllll}0.030292 & 0.37535 & 0.32485 & 0.267431\end{array}$ $\begin{array}{lllll}0.040283 & 0.277973 & 0.376696 & 0.396013\end{array}$ $\begin{array}{rlll}0.03703 & 0.320573 & 0.303256 & 0.276236\end{array}$ $\begin{array}{llll}0.051772 & 0.327455 & 0.295775 & 0.282363 \\ 0\end{array}$ $\begin{array}{llll}0.031213 & 0.206816 & 0.328234 & 0.235368 \\ 0.029797 & 0.26085 & 0.332935 & 0.341638\end{array}$ $\begin{array}{lllll} & 0.02987 \\ 0.026886 & 0.32711 & 0.370161 & 0.363714\end{array}$ $\begin{array}{lllll}0.020683 & 0.34778 & 0.421404 & 0.50626\end{array}$ $\begin{array}{lllll}0.043793 & 0.374611 & 0.503915 & 0.395932\end{array}$ $\begin{array}{llllll}0.019344 & 0.425115 & 0.544809 & 0.483431\end{array}$ $\begin{array}{lllll}0.035737 & 0.333298 & 0.643927 & 0.936236\end{array}$ $\begin{array}{lllll}0.048138 & 0.379225 & 0.445168 & 0.823688\end{array}$ $\begin{array}{llll}0.08197 & 0.336332 & 0.547675 & 0.399162 \\ 0.047058 & 0.410634 & 0.776648 & 0.749854\end{array}$ $\begin{array}{llll}0.04058 & 0.410634 & 0.776648 & 0.749854 \\ 0.048827 & 0.358637 & 0.628326 & 0.601575\end{array}$ $\begin{array}{lllll}0.043479 & 0.195671 & 0.54747 & 0.56329\end{array}$ $\begin{array}{lllll}0.071734 & 0.267242 & 0.677402 & 0.715816\end{array}$ $\begin{array}{lllll}0.056774 & 0.248151 & 0.807629 & 0.515172\end{array}$ $\begin{array}{llllll}0.058836 & 0.298753 & 0.625254 & 0.586547\end{array}$ $\begin{array}{llll}0.041194 & 0.266268 & 0.56856 & 0.617736 \\ 0\end{array}$ $\begin{array}{llll}0.086047 & 0.263418 & 0.601788 & 0.559653\end{array}$ $\begin{array}{llll}0.059752 & 0.313196 & 0.574159 & 0.424342 \\ 0\end{array}$ $\begin{array}{lllll}0.062386 & 0.271601 & 0.767866 & 0.531861\end{array}$ $\begin{array}{lllll}0.081882 & 0.215644 & 0.557541 & 0.606412\end{array}$ $\begin{array}{lllll}0.039721 & 0.28398 & 0.611658 & 0.516455\end{array}$ $\begin{array}{lllll}0.044551 & 0.263786 & 0.50314 & 0.469553\end{array}$ $\begin{array}{llll}0.070123 & 0.23722 & 0.496852 & 0.514453\end{array}$ $\begin{array}{llll}0.057382 & 0.256137 & 0.491356 & 0.450584\end{array}$ $\begin{array}{llll}0.047699 & 0.266006 & 0.411523 & 0.30543 \\ 0.048341 & 0.288725 & 0.527391 & 0.47777\end{array}$ $\begin{array}{llll}0.054723 & 0.336709 & 0.489652 & 0.529382\end{array}$ $\begin{array}{lllll}0.052886 & 0.249091 & 0.504808 & 0.303952\end{array}$ $\begin{array}{lllll}0.033548 & 0.261595 & 0.526281 & 0.418348\end{array}$ $\begin{array}{lllll}0.04383 & 0.282789 & 0.534421 & 0.489166\end{array}$ $\begin{array}{llll}0.032599 & 0.261806 & 0.875228 & 0.530797\end{array}$ $\begin{array}{lllll}0.04815 & 0.357464 & 0.492851 & 0.477598\end{array}$ $\begin{array}{llll}0.048561 & 0.359645 & 0.568071 & 0.530688 \\ 0.04731 & 0.287309 & 0.459911 & 0.530564\end{array}$ $\begin{array}{lllll}0.047194 & 0.353967 & 0.459911 & 0.530564 \\ 0.75973 & 0.553662\end{array}$ $\begin{array}{lllll}0.070022 & 0.371984 & 0.595693 & 0.692863\end{array}$ $\begin{array}{lllll}0.065923 & 0.312506 & 0.563454 & 0.40364\end{array}$ $\begin{array}{lllll}0.060119 & 0.336135 & 0.760356 & 0.594158\end{array}$ $\begin{array}{llllll}0.053311 & 0.356963 & 0.765681 & 0.760563\end{array}$ $\begin{array}{lllll}0.070797 & 0.278996 & 0.573614 & 0.712964\end{array}$ $\begin{array}{llll}0.040789 & 0.219488 & 0.723918 & 0.539881\end{array}$ $\begin{array}{llll}0.072789 & 0.278736 & 0.578844 & 0.660738 \\ 0.092182 & 0.235582 & 0.924969 & 0.588656\end{array}$ $\begin{array}{lllll}0.055517 & 0.2575434 & 0.589117 & 0.555687 \\ 0.05856\end{array}$ $\begin{array}{lllllll}0.074849 & 0.282057 & 0.625797 & 0.64309\end{array}$ $\begin{array}{llllll}0.060006 & 0.31065 & 0.643697 & 0.556327\end{array}$ $\begin{array}{lllll}0.036844 & 0.2436 & 0.600106 & 0.555423\end{array}$ $\begin{array}{llll}0.059383 & 0.329862 & 0.589537 & 0.458345\end{array}$ $\begin{array}{llll}0.034756 & 0.20102 & 0.481821 & 0.327827\end{array}$ $\begin{array}{llll}0.043194 & 0.213071 & 0.319899 & 0.356155 \\ 0.050184 & 0.39786 & 0.474666 & 0.424577\end{array}$ $\begin{array}{llll}0.050184 & 0.39786 & 0.474666 & 0.424577 \\ 0.028916 & 0.228787 & 0.502222 & 0.345804\end{array}$ 0.054670 .2598030 .4229660 .413569 $\begin{array}{llllll}0.018441 & 0.245527 & 0.446319 & 0.378729\end{array}$ $\begin{array}{lllll}0.057609 & 0.200257 & 0.295037 & 0.345752\end{array}$
$\begin{array}{lllllllll}1000 & 1108.548 & 0.005133 & 0.038956 & 0.022906 & 0.044815 & 4.264096 & 4.252393 & 0.001742\end{array}$ $\begin{array}{llllllll}10000 & 1064.173 & 0.000938 & 0.059692 & 0.0600886 & 0.039183 & 3.733479 & 4.199405\end{array} 0.0002432$ $\begin{array}{lllllllll}1000 & 909.7895 & 0.006343 & 0.06436 & 0.022289 & 0.041722 & 3.82401 & 4.044597 & 0.00325\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.004123 & 0.068476 & 0.062984 & 0.052049 & 3.974952 & 3.95455 & 0.005285\end{array}$ $\begin{array}{llllllll}1000 & 1133.472 & 0.012053 & 0.062466 & 0.039625 & 0.04144 & 3.623068 & 3.699988 \\ 0.00404001\end{array}$ $\begin{array}{llllllll}1000 & 1020.749 & 0.018055 & 0.078434 & 0.065784 & 0.061984 & 4.369759 & 4.1699766 \\ 0 & 0.005539\end{array}$ $\begin{array}{lllllllll}1000 & 1023.759 & 0.016307 & 0.088591 & 0.051384 & 0.060454 & 4.104753 & 4.007953 & 0.0033898\end{array}$ $\begin{array}{lllllllll}1000 & 848.0146 & 0.013916 & 0.058286 & 0.043161 & 0.045413 & 3.152509 & 3.621434 & 0.00517 \\ 1000 & 850.9336 & 0.011538 & 0.071965 & 0.041264 & 0.064923 & 3.618871 & 3.544645 & 0.004401\end{array}$ $\begin{array}{lllllllll}1000 & 766.0989 & 0.008721 & 0.062355 & 0.062714 & 0.047789 & 3.749247 & 3.880926 & 0.00471\end{array}$ $\begin{array}{llllllllll}1000 & 1005.176 & 0.008978 & 0.064304 & 0.074483 & 0.043734 & 4.572506 & 3.831523 & 0.004266\end{array}$ $\begin{array}{lllllllll}1000 & 912.1135 & 0.011277 & 0.077203 & 0.042429 & 0.05936 & 4.215434 & 4.03289 & 0.002832\end{array}$ $\begin{array}{lllllllll}1000 & 970.426 & 0.017992 & 0.067072 & 0.063069 & 0.060768 & 4.630065 & 4.768905 & 0.00252\end{array}$ $\begin{array}{lllllllll}1000 & 1043.775 & 0.022474 & 0.076046 & 0.06702 & 0.108494 & 5.17051 & 4.922747 & 0.009833\end{array}$ $\begin{array}{lllllllll}1000 & 873.2904 & 0.019853 & 0.087224 & 0.062361 & 0.083392 & 4.011397 & 3.84184 & 0.00321 \\ 1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654\end{array}$ $\begin{array}{lllllllll}1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654 \\ 1000 & 1023.371 & 0.023073 & 0.09027 & 0.086384 & 0.063878 & 4.285553 & 4.370276 & 0.007743\end{array}$ $\begin{array}{llllllllll}1000 & 1023.372 & 0.023035 & 0.0927 & 0.08684 & 0.06885 & 4.28553 & 4.370276 & 0.007743 \\ 1000 & 974.7527 & 0.02395 & 0.1507 & 0.06145 & 0.062953 & 4.028921 & 4.512634 & 0.010559\end{array}$ $\begin{array}{llllllllllll}1000 & 893.6566 & 0.021923 & 0.107558 & 0.105299 & 0.097753 & 4.037576 & 3.878276 & 0.008028\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 1039.476 & 0.019774 & 0.115837 & 0.076663 & 0.109107 & 3.757368 & 3.986344 & 0.006872\end{array}$ $\begin{array}{lllllllllll}1000 & 823.1696 & 0.0187 & 0.110961 & 0.085356 & 0.100126 & 3.44885 & 3.916656 & 0.006656\end{array}$ $\begin{array}{lllllllll}1000 & 1060.048 & 0.026804 & 0.10061 & 0.108638 & 0.114556 & 4.237866 & 4.072467 & 0.008969\end{array}$ $\begin{array}{lllllllll}1000 & 1008.253 & 0.026157 & 0.097532 & 0.109355 & 0.108454 & 4.162993 & 4.17463 & 0.013334\end{array}$ $\begin{array}{lllllllll}1000 & 899.848 & 0.027544 & 0.117482 & 0.09932 & 0.133542 & 4.064517 & 3.993839 & 0.007476 \\ 1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937 \\ 1000 & 1023.38 & 0.025085 & 0.114501 & 0.136092 & 0.096634 & 4.138614 & 3.81941 & 0.006509\end{array}$ $\begin{array}{llllllllll}1000 & 970.3587 & 0.020799 & 0.10025 & 0.08143 & 0.098163 & 4.206118 & 4.317794 & 0.003154\end{array}$ $\begin{array}{llllllllll}1000 & 915.5065 & 0.011175 & 0.118047 & 0.112181 & 0.089042 & 3.618862 & 3.70401 & 0.010017\end{array}$ $\begin{array}{lllllllll}1000 & 1089.335 & 0.009007 & 0.088039 & 0.147232 & 0.102797 & 3.531798 & 4.255163 & 0.004955\end{array}$ $\begin{array}{lllllllll}1000 & 1038.068 & 0.009626 & 0.074058 & 0.060089 & 0.072338 & 3.42897 & 3.495564 & 0.004745\end{array}$ $\begin{array}{llllllll}1000 & 948.7363 & 0.007992 & 0.068884 & 0.061609 & 0.088961 & 3.50209 & 3.692827 \\ 0 & 0.004187\end{array}$ $\begin{array}{lllllllll}1000 & 877.7375 & 0.00959 & 0.073013 & 0.077498 & 0.093423 & 3.418535 & 3.832004 & 0.006234 \\ 1000 & 956.7108 & 0.005436 & 0.07089 & 0.086999 & 0.08103 & 3.726575 & 3.603131 & 0.002786\end{array}$ $\begin{array}{llllllll}1000 & 956.7108 & 0.005436 & 0.070897 & 0.086999 & 0.08103 & 3.726575 & 3.603131\end{array} 0.002786$ $\begin{array}{lllllllll}1000 & 1132.198 & 0.007035 & 0.095474 & 0.05324 & 0.077769 & 3.818563 & 4.265658 & 0.0044429\end{array}$ $\begin{array}{lllllllll}1000 & 832.1126 & 0.002605 & 0.061511 & 0.074868 & 0.06125 & 3.255207 & 3.280071 & 0.004004\end{array}$

 $\begin{array}{lllllllll}1000 & 996.8766 & 0.006269 & 0.087424 & 0.100508 & 0.083565 & 3.424422 & 3.843026 & 0.002962\end{array}$ $\begin{array}{llllllll}1000 & 11566.703 & 0.004006 & 0.07669 & 0.143069 & 0.07541 & 4.075957 & 4.187035 \\ 0.0008059\end{array}$ $\begin{array}{lllllllll}1000 & 891.4227 & 0.005092 & 0.071734 & 0.099173 & 0.066068 & 3.936154 & 3.715779 & 0.003858 \\ 1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.149235 & 3.635626 & 0.006679\end{array}$ $\begin{array}{lllllllll}1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.419235 & 3.635626 & 0.006679 \\ 1000 & 887.3393 & 0.007285 & 0.070707 & 0.068663 & 0.068881 & 3.750428 & 3.773376 & 0.007114\end{array}$ $\begin{array}{llllllllll}1000 & 1066.959 & 0.019271 & 0.093481 & 0.093181 & 0.077137 & 5.787344 & 4.372779 & 0.00946\end{array}$ $\begin{array}{llllllllll}1000 & 1302.067 & 0.015506 & 0.082069 & 0.124692 & 0.131703 & 4.986151 & 4.585501 & 0.007337\end{array}$ $\begin{array}{lllllllllllll}1000 & 812.4959 & 0.012109 & 0.079873 & 0.06104 & 0.073313 & 3.527808 & 3.821447 & 0.006674\end{array}$ $\begin{array}{llllllllll}1000 & 966.9775 & 0.020721 & 0.140384 & 0.134148 & 0.161083 & 4.422682 & 4.712396 & 0.013498\end{array}$ $\begin{array}{lllllllll}1000 & 1229.557 & 0.026476 & 0.231236 & 0.219388 & 0.204314 & 5.637636 & 5.061217 & 0.011036\end{array}$ $\begin{array}{lllllllll}1000 & 1313.712 & 0.033448 & 0.239708 & 0.20347 & 0.228106 & 4.579264 & 4.589 & 0.013898\end{array}$ $\begin{array}{lllllllll}1000 & 914.5175 & 0.026937 & 0.133971 & 0.126773 & 0.111383 & 3.678068 & 3.943558 & 0.010162 \\ 1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573\end{array}$ $\begin{array}{lllllrlll}1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573 \\ 1000 & 1240.811 & 0.030683 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.672415 & 0.009696\end{array}$ $\begin{array}{lllllllll}1000 & 1240.811 & 0.030383 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.678415 & 0.009696 \\ 1000 & 938.2688 & 0.037719 & 0.12271 & 0.098416 & 0.091121 & 3.680776 & 3.610763 & 0.007546\end{array}$ $\begin{array}{llllllllll}1000 & 955.4093 & 0.024604 & 0.105046 & 0.126463 & 0.124623 & 4.207025 & 4.286892 & 0.007193\end{array}$ $\begin{array}{llllllllll}1000 & 996.0414 & 0.030438 & 0.120475 & 0.089153 & 0.114515 & 4.168469 & 4.529134 & 0.012263\end{array}$ $\begin{array}{llllllllll}1000 & 9999.7431 & 0.024646 & 0.109388 & 0.125527 & 0.094572 & 4.160495 & 4.009752 & 0.009175\end{array}$ $\begin{array}{lllllllll}1000 & 9933.2419 & 0.025452 & 0.130885 & 0.124318 & 0.110991 & 3.697623 & 4.156844 & 0.006706 \\ 1000 & 817.6111 & 0.020671 & 0.092829 & 0.082038 & 0.072505 & 351454 & 3.16952 & 0.004626\end{array}$ $\begin{array}{lllllllll}1000 & 817.6111 & 0.020671 & 0.098229 & 0.082039 & 0.072505 & 3.514754 & 3.16052 & 0.004626\end{array}$ | 1000 | 804.1267 | 0.018368 | 0.101029 | 0.083987 | 0.085626 | 2.83094 | 3.259825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 982.0805 | 0.006618 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 982.0805 & 0.022924 & 0.122517 & 0.069108 & 0.089649 & 3.891964 & 3.569157 & 0.007357 \\ 1000 & 959.0853 & 0.012008 & 0.083894 & 0.067447 & 0.089008 & 3.451132 & 3.487726 & 0.003747\end{array}$ $\begin{array}{lllllllll}1000 & 9028.965 & 0.018894 & 0.081575 & 0.069721 & 0.083393 & 3.542995 & 3.851619 & 0.008792\end{array}$ $\begin{array}{llllllllll}1000 & 1009.537 & 0.015858 & 0.067928 & 0.085206 & 0.080828 & 3.688952 & 3.454282 & 0.003702\end{array}$ $\begin{array}{llllllllllllll}1000 & 755.3925 & 0.009323 & 0.066262 & 0.039059 & 0.041791 & 2.989262 & 2.906366 & 0.003535\end{array}$


$\begin{array}{llll}0.054092 & 0.289757 & 0.340842 & 0.368277\end{array}$ $\begin{array}{lllll}0.033654 & 0.321184 & 0.391179 & 0.387664\end{array}$ $\begin{array}{llllll}0.030532 & 0.279849 & 0.286134 & 0.274418\end{array}$ $\begin{array}{llllll}0.035466 & 0.267416 & 0.355427 & 0.436274\end{array}$ $\begin{array}{lllll}0.030554 & 0.291698 & 0.427795 & 0.398125\end{array}$ $\begin{array}{llllll}0.036795 & 0.360412 & 0.394157 & 0.442223\end{array}$ $\begin{array}{lllll}0.030096 & 0.285217 & 0.423649 & 0.329241\end{array}$ $\begin{array}{llll}0.055956 & 0.241749 & 0.54953 & 0.3979 \\ 0.048328 & 0.342476 & 0.50657 & 0.36987\end{array}$ $\begin{array}{lllll}0.044503 & 0.340649 & 0.530332 & 0.475021\end{array}$ $\begin{array}{lllll}0.051932 & 0.260829 & 0.519429 & 0.532244\end{array}$ $\begin{array}{lllll}0.054454 & 0.25881 & 0.63729 & 0.587583\end{array}$ $\begin{array}{llllll}0.041082 & 0.311026 & 0.536662 & 0.481904\end{array}$ $\begin{array}{lllllll}0.036808 & 0.263224 & 0.532341 & 0.501419\end{array}$ $\begin{array}{llllllll}0.057375 & 0.285146 & 0.490599 & 0.525493\end{array}$ $\begin{array}{llll}0.044492 & 0.342901 & 0.661416 & 0.764035 \\ 0.041267 & 0.298813 & 0.671696 & 0.701571\end{array}$ $\begin{array}{lllll}0.038368 & 0.271879 & 0.446489 & 0.506191\end{array}$ 0.0907130 .2569230 .6603050 .704226 $\begin{array}{llllllll}0.039179 & 0.305213 & 0.625065 & 0.597752\end{array}$ $\begin{array}{llllllll}0.030202 & 0.280147 & 0.746868 & 0.630979\end{array}$ $\begin{array}{lllllll}0.04115 & 0.25171 & 0.516556 & 0.566256\end{array}$ $\begin{array}{llll}0.04404 & 0.301776 & 0.598822 & 0.596956\end{array}$ $\begin{array}{llll}0.054676 & 0.183754 & 0.742675 & 0.469875\end{array}$ $\begin{array}{rrrr}0.062838 & 0.304259 & 0.728099 & 0.652668 \\ 0.091059 & 0.317841 & 0.633 & 0.759683\end{array}$ $0.0535390 .338518 \quad 0.710589 \quad 0.68128$ $\begin{array}{lllll}0.063652 & 0.214742 & 0.744885 & 0.676176\end{array}$ 0.0479970 .2058470 .5853780 .534424 $\begin{array}{llllllll}0.075172 & 0.342219 & 0.614194 & 0.797316\end{array}$ $\begin{array}{lllll}0.05574 & 0.24852 & 0.593205 & 0.554679\end{array}$ $\begin{array}{lllll}0.03444 & 0.297361 & 0.808939 & 0.747512\end{array}$ $\begin{array}{llll}0.072958 & 0.243379 & 0.437268 & 0.411238 \\ 0.063089 & 0.292698 & 0.527147 & 0.365824\end{array}$ $\begin{array}{lllll}0.044431 & 0.241997 & 0.470228 & 0.383968\end{array}$ $\begin{array}{llllll}0.044248 & 0.252502 & 0.478351 & 0.515959\end{array}$ $\begin{array}{lllll}0.052418 & 0.311691 & 0.487453 & 0.468492\end{array}$ $\begin{array}{llllll}0.053004 & 0.294721 & 0.507214 & 0.464104\end{array}$ $\begin{array}{lllllllll}0.04542 & 0.381908 & 0.569264 & 0.401692\end{array}$ $\begin{array}{llll}0.047889 & 0.2619 & 0.395656 & 0.402793\end{array}$ $\begin{array}{lllll}0.032389 & 0.140739 & 0.377277 & 0.315399\end{array}$ $\begin{array}{lllll}0.027599 & 0.211179 & 0.380193 & 0.337554\end{array}$ $\begin{array}{lllll}0.05389 & 0.23173 & 0.489868 & 0.423171\end{array}$ $\begin{array}{lllll}0.035395 & 0.284612 & 0.529018 & 0.337781\end{array}$ $\begin{array}{lllllll}0.057315 & 0.236459 & 0.440994 & 0.411801\end{array}$ $\begin{array}{llllll}0.02678 & 0.275264 & 0.4325 & 0.409186\end{array}$ $\begin{array}{llllll}0.038734 & 0.245814 & 0.397612 & 0.399987\end{array}$ $\begin{array}{llll}0.046876 & 0.269148 & 0.44984 & 0.379988 \\ 0\end{array}$ $\begin{array}{llll}0.045548 & 0.16684 & 0.346027 & 0.398413\end{array}$ $\begin{array}{llllll}0.040967 & 0.239262 & 0.351237 & 0.425069\end{array}$ $\begin{array}{lllll}0.037768 & 0.207041 & 0.43951 & 0.265456\end{array}$ 0.0327980 .2231490 .2234040 .26864 $\begin{array}{llllll}0.034179 & 0.195723 & 0.434751 & 0.32026\end{array}$ $\begin{array}{lllll}0.032551 & 0.330623 & 0.50207 & 0.388566\end{array}$ $\begin{array}{llllllll}0.040341 & 0.221148 & 0.452714 & 0.430264\end{array}$ $\begin{array}{llll}0.037549 & 0.253045 & 0.402368 & 0.425946 \\ 0.048674 & 0.301212 & 0.48684 & 0.397498\end{array}$ $\begin{array}{lllll}0.03533 & 0.1903 & 0.343706 & 0.4613488\end{array}$ $\begin{array}{llll}0.030153 & 0.226496 & 0.374542 & 0.415161\end{array}$ $\begin{array}{llllllll}0.042013 & 0.306414 & 0.687507 & 0.405286\end{array}$ $\begin{array}{llllllll}0.051944 & 0.280186 & 0.636568 & 0.351326\end{array}$

$\begin{array}{lllllllllll}1000 & 954.7402 & 0.011517 & 0.076657 & 0.073026 & 0.053915 & 3.454273 & 3.722854 & 0.004414\end{array}$ | 100 | 1272.714 | 0.00827 | 0.078577 | 0.079631 | 0.06909 | 3.380522 | 3.60338 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.005034 |  |  |  |  |  |  |
| 1000 | 1090.563 | 0.012696 | 0.11002 | 0.155683 | 0.080239 | 3.342793 | 3.353529 | $\begin{array}{llllllll}1000 & 1090.563 & 0.012696 & 0.11002 & 0.135683 & 0.080239 & 3.342793 & 3.355329\end{array} 0.00738$ $\begin{array}{lllllllll}1000 & 1108.202 & 0.005335 & 0.109308 & 0.063518 & 0.067985 & 3.879584 & 3.752298 & 0.008857\end{array}$ $\begin{array}{lllllllll}1000 & 806.8444 & 0.004324 & 0.102574 & 0.059605 & 0.073346 & 3.653791 & 3.516556 & 0.0004051\end{array}$ $\begin{array}{lllllllll}1000 & 914.2567 & 0.004153 & 0.114086 & 0.049489 & 0.080209 & 3.794394 & 3.571954 & 0.004479 \\ 1000 & 893.4262 & 0.006385 & 0.042731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022\end{array}$ $\begin{array}{lllllllll}1000 & 893.4262 & 0.006385 & 0.082731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022 \\ 1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043\end{array}$ $\begin{array}{lllllllll}1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043 \\ 1000 & 1169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434\end{array}$ $\begin{array}{lllllllll}1000 & 169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434 \\ 1000 & 1053.112 & 0.013905 & 0.094439 & 0.126871 & 0.084418 & 3.853167 & 3.719851 & 0.007851\end{array}$ $\begin{array}{llllllllll}1000 & 924.9597 & 0.013821 & 0.095901 & 0.092919 & 0.083954 & 3.303534 & 3.69245 & 0.008313\end{array}$ $\begin{array}{llllllllll}1000 & 929.897 & 0.011303 & 0.100757 & 0.124632 & 0.102378 & 3.70694 & 4.155721 & 0.006357\end{array}$ $\begin{array}{lllllllllllll}1000 & 816.8621 & 0.012361 & 0.068867 & 0.110598 & 0.067444 & 3.685269 & 3.213626 & 0.006508\end{array}$ $\begin{array}{lllllllll}1000 & 949.325 & 0.009912 & 0.106425 & 0.100117 & 0.096079 & 3.538048 & 3.874579 & 0.00542\end{array}$ $\begin{array}{llllllllll}1000 & 926.7873 & 0.007784 & 0.096236 & 0.118035 & 0.086178 & 3.763401 & 3.563227 & 0.005645\end{array}$ $\begin{array}{lllllllll}1000 & 912.4806 & 0.006225 & 0.086799 & 0.07192 & 0.071014 & 4.445459 & 3.966092 & 0.003644 \\ 1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679 \\ 1000 & 739.955 & 0.008665 & 0.072257 & 0.059415 & 0.04739 & 3.539247 & 3.431989 & 0.003882\end{array}$ $\begin{array}{llllllllll}1000 & 923.6396 & 0.015139 & 0.088651 & 0.107531 & 0.101202 & 4.080767 & 4.18379 & 0.007229\end{array}$ $\begin{array}{lllllllll}1000 & 998.7942 & 0.014375 & 0.092799 & 0.069904 & 0.077983 & 4.859558 & 4.062325 & 0.00789\end{array}$ $\begin{array}{llllllllll}1000 & 964.0702 & 0.018234 & 0.095121 & 0.065995 & 0.08995 & 3.717948 & 3.640993 & 0.00806\end{array}$ $\begin{array}{llllllllll}1000 & 742.7638 & 0.015159 & 0.067252 & 0.065988 & 0.057898 & 3.160749 & 3.546165 & 0.005081\end{array}$ $\begin{array}{llllllllll}1000 & 905.9696 & 0.029472 & 0.080984 & 0.089015 & 0.088469 & 3.896241 & 3.704055 & 0.006701 \\ 1000 & 677.0832 & 0.018717 & 0.04472 & 0.0633 & 0.067052 & 2.083352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{lllllllll}1000 & 677.0832 & 0.017817 & 0.06472 & 0.0683 & 0.067052 & 2.983352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{rrrrrrrr}1000 & 835.3986 & 0.0193 & 0.107959 & 0.061102 & 0.089965 & 3.770492 & 3.983881 \\ 1000 & 1055.227 & 0.031029 & 0.130869 & 0.149497 & 0.164357 & 4.198231 & 4.428987 \\ & 0.010879\end{array}$ $\begin{array}{lllllllll}1000 & 1135.769 & 0.024039 & 0.235507 & 0.261928 & 0.220107 & 5.123973 & 5.447309 & 0.011872\end{array}$ $\begin{array}{lllllllllll}1000 & 901.5444 & 0.024493 & 0.217719 & 0.170897 & 0.216832 & 3.868588 & 3.896199 & 0.008384\end{array}$ $\begin{array}{lllllllll}1000 & 816.8693 & 0.020738 & 0.159573 & 0.105127 & 0.128959 & 3.802623 & 3.555526 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1104.072 & 0.031599 & 0.212523 & 0.119492 & 0.157064 & 4.515302 & 4.766327 & 0.011752 \\ 1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.731092 & 0.05317\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.730092 & 0.005317 \\ 1000 & 1437.525 & 0.029841 & 0.115872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044\end{array}$ $\begin{array}{lllllllll}1000 & 1437.525 & 0.029841 & 0.135872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044 \\ 1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337\end{array}$ $\begin{array}{lllllllll}1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337 \\ 1000 & 886.2676 & 0.025805 & 0.107506 & 0.089154 & 0.095463 & 3.506874 & 3.711658 & 0.003538\end{array}$ $\begin{array}{lllllllllll}1000 & 842.032 & 0.01552 & 0.084389 & 0.063155 & 0.04805 & 2.955204 & 3.227979 & 0.008163\end{array}$

 $\begin{array}{llllllllll}1000 & 1032.266 & 0.015278 & 0.093465 & 0.063198 & 0.092677 & 4.303188 & 4.427348 & 0.006097\end{array}$ $\begin{array}{llllllllll}1000 & 1163.191 & 0.012721 & 0.082095 & 0.074277 & 0.086568 & 3.662919 & 4.265463 & 0.005579\end{array}$ $\begin{array}{lllllllll}1000 & 952.1707 & 0.013492 & 0.094063 & 0.058444 & 0.058092 & 3.449602 & 4.095555 & 0.005638\end{array}$ $\begin{array}{lllllllll}1000 & 920.5129 & 0.01448 & 0.076023 & 0.110567 & 0.070273 & 4.091825 & 3.791303 & 0.005693 \\ 1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.01231 & 0.057516\end{array}$ $\begin{array}{lllllllll}1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.912316 & 0.007516 \\ 1000 & 807.0471 & 0.006223 & 0.074684 & 0.046534 & 0.038346 & 3.623401 & 3.187006 & 0.004204\end{array}$ $\begin{array}{lllllllll}1000 & 786.2466 & 0.012113 & 0.075306 & 0.057192 & 0.0595963 & 3.457622 & 3.091417 & 0.0002475\end{array}$ $\begin{array}{llllllllll}1000 & 821.9089 & 0.009124 & 0.089605 & 0.072783 & 0.07465 & 3.35769 & 3.287442 & 0.005517\end{array}$ $\begin{array}{llllllllll}1000 & 894.1228 & 0.009497 & 0.069158 & 0.062235 & 0.06349 & 3.289014 & 3.156752 & 0.004948\end{array}$ $\begin{array}{lllllllll}1000 & 1255.886 & 0.004502 & 0.086547 & 0.049195 & 0.084082 & 4.200069 & 4.239499 & 0.007604\end{array}$ $\begin{array}{llllllllll}1000 & 979.8236 & 0.007467 & 0.074937 & 0.055611 & 0.062682 & 3.302284 & 3.395145 & 0.003378\end{array}$ $\begin{array}{llllllllll}1000 & 801.0604 & 0.006625 & 0.057144 & 0.060472 & 0.086758 & 3.259972 & 3.024607 & 0.004495\end{array}$ $\begin{array}{lllllllll}1000 & 1124.954 & 0.006173 & 0.09285 & 0.105135 & 0.059538 & 3.774991 & 3.56253 & 0.001245 \\ 1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183\end{array}$ $\begin{array}{lllllllll}1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183 \\ 1000 & 854.2436 & 0.009424 & 0.089798 & 0.089011 & 0.055893 & 2.709052 & 2.916583 & 0.003743\end{array}$ $\begin{array}{llllllllll}1000 & 989.3375 & 0.0037 & 0.103038 & 0.156974 & 0.088905 & 3.726456 & 3.665479 & 0.004032\end{array}$ $\begin{array}{llllllll}1000 & 821.8877 & 0.008867 & 0.061957 & 0.090673 & 0.0882364 & 3.141303 & 3.178633 \\ 10.004269\end{array}$ $\begin{array}{llllllll}1000 & 866.6323 & 0.006408 & 0.066915 & 0.06133 & 0.032564 & 2.802162 & 2.939539\end{array} 0.0004649$ $\begin{array}{llllllllll}1000 & 1055.696 & 0.005932 & 0.126907 & 0.117148 & 0.107324 & 3.778802 & 3.430813 & 0.007249\end{array}$ $\begin{array}{llllllllll}1000 & 969.0599 & 0.006237 & 0.155476 & 0.165314 & 0.170515 & 3.348268 & 3.577276 & 0.007243\end{array}$ $\begin{array}{lllllllll}1000 & 905.1569 & 0.004503 & 0.224265 & 0.174133 & 0.181586 & 3.8038818 & 3.540683 & 0.004902\end{array}$ | 1000 | 951.0365 | 0.004052 | 0.154738 | 0.121003 | 0.181383 | 3.551357 | 3.640752 | 0.004787 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1060767 |  |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1067.671 & 0.010989 & 0.207167 & 0.158832 & 0.146679 & 3.860261 & 3.480168 & 0.009125 \\ 1000 & 931.7469 & 0.010827 & 0.13804 & 0.138839 & 0.15096 & 3.981674 & 3.594659 & 0.004702\end{array}$ $\begin{array}{llllllllll}1000 & 1294.978 & 0.009199 & 0.172773 & 0.150369 & 0.144599 & 3.823617 & 3.834228 & 0.004968\end{array}$ $\begin{array}{llllllllll}1000 & 924.7106 & 0.010711 & 0.124015 & 0.086709 & 0.098492 & 4.29976 & 4.196463 & 0.005101\end{array}$ $\begin{array}{llllllllll}1000 & 897.9803 & 0.007428 & 0.136189 & 0.127603 & 0.115538 & 4.292719 & 4.271929 & 0.004848\end{array}$



$\begin{array}{llll}0.038442 & 0.25717 & 0.516831 & 0.406998 \\ 0.0527 & 0.257097 & 0.620386 & 0.34931\end{array}$ $\begin{array}{llll}0.02527 & 0.257097 & 0.620386 & 0.434931 \\ 0.061144 & 0.310332 & 0.730268 & 0.680519\end{array}$ $\begin{array}{llllll}0.071205 & 0.314298 & 0.583505 & 0.478512\end{array}$ $\begin{array}{llllll}0.052534 & 0.276871 & 0.445369 & 0.504774\end{array}$ $\begin{array}{lllll}0.015175 & 0.293396 & 0.585299 & 0.549769\end{array}$ $\begin{array}{llll}0.03165 & 0.22969 & 0.519583 & 0.518659\end{array}$ $\begin{array}{llll}0.045952 & 0.23459 & 0.563636 & 0.396522\end{array}$ $\begin{array}{llll}0.057147 & 0.18637 & 0.799558 & 0.473108 \\ 0.068757 & 0.267118 & 0.605823 & 0.467768\end{array}$ $\begin{array}{lllll}0.043187 & 0.244831 & 0.461797 & 0.587721\end{array}$ $\begin{array}{lllll}0.037772 & 0.310535 & 0.620091 & 0.551422\end{array}$ $\begin{array}{llllll}0.065119 & 0.355241 & 0.662569 & 0.473378\end{array}$ $\begin{array}{llllllll}0.059956 & 0.234089 & 0.626285 & 0.509287\end{array}$ $\begin{array}{llllll}0.033424 & 0.234696 & 0.637721 & 0.476822\end{array}$ $\begin{array}{lllll}0.040207 & 0.258841 & 0.429187 & 0.386615\end{array}$ $\begin{array}{llll}0.077969 & 0.23213 & 0.398758 & 0.363042\end{array}$ $\begin{array}{lllll}0.036864 & 0.268675 & 0.377199 & 0.481184\end{array}$ $\begin{array}{llllll}0.041442 & 0.189062 & 0.30631 & 0.449111\end{array}$ $\begin{array}{llllll}0.052248 & 0.287395 & 0.579813 & 0.526782\end{array}$ $\begin{array}{lllllllll}0.063923 & 0.239549 & 0.520816 & 0.483008\end{array}$ $\begin{array}{lllll}0.057084 & 0.280712 & 0.58164 & 0.48744\end{array}$ 0.0634230 .2595940 .4948980 .523258 $\begin{array}{llll}0.058473 & 0.235757 & 0.455991 & 0.501626\end{array}$ $\begin{array}{lllll}0.047727 & 0.191102 & 0.477394 & 0.41884\end{array}$ $0.046566 \quad 0.189850 .390194 \quad 0.518502$ $\begin{array}{llllll}0.048197 & 0.238425 & 0.315025 & 0.320648\end{array}$ $\begin{array}{lllll}0.028413 & 0.22096 & 0.406216 & 0.361386\end{array}$ $\begin{array}{lllllllll}0.047731 & 0.242989 & 0.325732 & 0.331523\end{array}$ $\begin{array}{llllll}0.043665 & 0.297089 & 0.395603 & 0.414018\end{array}$ $\begin{array}{llll}0.026401 & 0.223158 & 0.389837 & 0.288353 \\ 0.047581\end{array}$ $\begin{array}{llll}0.047581 & 0.260213 & 0.46345 & 0.453713 \\ 0.03868 & 0.27180 & 0.41396\end{array}$ $\begin{array}{lllll}0.033133 & 0.328421 & 0.478138 & 0.42187\end{array}$ $\begin{array}{lllll}0.029398 & 0.206787 & 0.313435 & 0.291317\end{array}$ $\begin{array}{lllll}0.036079 & 0.242836 & 0.500053 & 0.489265\end{array}$ $\begin{array}{lllll}0.042607 & 0.33338 & 0.528459 & 0.539427\end{array}$ $\begin{array}{llllllll}0.051765 & 0.206022 & 0.495715 & 0.468539\end{array}$ $\begin{array}{lllll}0.058844 & 0.29485 & 0.560731 & 0.49751\end{array}$ $\begin{array}{llll}0.0517 & 0.298168 & 0.512608 & 0.563671\end{array}$ $0.04832 \quad 0.257184 \quad 0.5396970 .531525$ $\begin{array}{llllll}0.048428 & 0.246065 & 0.475737 & 0.582102\end{array}$ $\begin{array}{lllll}0.064369 & 0.282002 & 0.798178 & 0.558916\end{array}$ $\begin{array}{lllll}0.0432 & 0.278067 & 0.712591 & 0.411828\end{array}$ $\begin{array}{lllll}0.03775 & 0.238837 & 0.5676 & 0.58576\end{array}$ $\begin{array}{llll}0.060746 & 0.364108 & 0.702367 & 0.656429\end{array}$ $\begin{array}{lllll}0.057087 & 0.284162 & 0.48523 & 0.5973\end{array}$ $\begin{array}{lllll}0.047673 & 0.253842 & 0.6202924 & 0.516247\end{array}$ $\begin{array}{lllll}0.045499 & 0.232241 & 0.672168 & 0.576548\end{array}$ $\begin{array}{llllll}0.045464 & 0.315771 & 0.722766 & 0.493657\end{array}$ 0.0575830 .2455960 .6069050 .714614 0.0612110 .2619110 .7010140 .566689 $\begin{array}{lllll}0.078006 & 0.28854 & 1.068701 & 0.803587\end{array}$ 0.0631130 .2561910 .711990 .558512 | 0.066681 | 0.243699 | 0.841431 | 0.630426 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088124 & 0.336349 & 0.711457 & 0.631812\end{array}$ $\begin{array}{lllllllllll}0.086743 & 0.288037 & 0.638205 & 0.677122\end{array}$ $\begin{array}{llllll}0.064036 & 0.264724 & 0.707442 & 0.5739\end{array}$ $0.0598670 .204498 \quad 0.8126870 .759961$


$\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509\end{array}$ $\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509 \\ 1000 & 762.0388 & 0.00795 & 0.128038 & 0.074348 & 0.079606 & 3.476258 & 3.034351 & 0.005465 \\ 100 & 1052.09 & 0.00533 & 0.09129 & 0.112255 & 0.08046 & 3.664733 & 354152 & 0.006605\end{array}$ $\begin{array}{lllllllll}1000 & 1052.099 & 0.00533 & 0.091295 & 0.112255 & 0.080486 & 3.664733 & 3.54152 & 0.006605 \\ 1000 & 1051.951 & 0.008579 & 0.165697 & 0.16662 & 0.118474 & 3.802618 & 4.566825 & 0.011598\end{array}$ | 1000 | 989.5235 | 0.008902 | 0.200976 | 0.145518 | 0.118474 | 3.802618 | 4.566825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 972.0827 & 0.004235 & 0.206003 & 0.250322 & 0.183376 & 3.723078 & 4.528188 & 0.013964 \\ 1000 & 8918153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 & 0.009422\end{array}$ $\begin{array}{llllllll}1000 & 981.8153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 \\ 1000 & 726.1338 & 0.0009422 \\ 1 & 0.003448 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826\end{array}$ $\begin{array}{lllllllll}1000 & 726.1338 & 0.009348 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826 \\ 1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1226.964 & 0.009147 & 0.177234 & 0.090228 & 0.118526 & 4.50919 & 4.470555 & 0.016023 \\ 1000 & 1085.245 & 0.010195 & 0.115909 & 0.098565 & 0.112037 & 4.157035 & 4.397444 & 0.010475\end{array}$ $\begin{array}{lllllllll}1000 & 939.0951 & 0.008627 & 0.088813 & 0.092862 & 0.062909 & 3.879353 & 4.08061 & 0.010917\end{array}$ $\begin{array}{llllllllll}1000 & 956.2717 & 0.014147 & 0.092143 & 0.103312 & 0.104097 & 4.150971 & 3.924027 & 0.01226\end{array}$ $\begin{array}{lllllllll}1000 & 1268.439 & 0.023652 & 0.093111 & 0.062893 & 0.086107 & 4.704849 & 3.951365 & 0.008615\end{array}$ $\begin{array}{llllllllll}1000 & 921.0053 & 0.020339 & 0.112914 & 0.098795 & 0.067773 & 3.749381 & 4.035968 & 0.01057\end{array}$ $\begin{array}{lllllllll}1000 & 939.862 & 0.015328 & 0.106537 & 0.094315 & 0.056636 & 4.096933 & 3.679957 & 0.007764 \\ 1000 & 969.6646 & 0.015642 & 0.094104 & 0.065526 & 0.102136 & 3.633843 & 3.429528 & 0.008389\end{array}$ $\begin{array}{lllllllll}1000 & 969.6646 & 0.015642 & 0.094104 & 0.066526 & 0.102136 & 3.633843 & 3.429528 & 0.008389 \\ 1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174\end{array}$ $\begin{array}{lllllllll}1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174 \\ 1000 & 1007.789 & 0.00971 & 0.081533 & 0.059426 & 0.085335 & 3.948402 & 3.629657 & 0.004987\end{array}$ $\begin{array}{lllllllll}1000 & 779.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565\end{array}$ $\begin{array}{lllllllll}1000 & 79.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565 \\ 1000 & 1066.358 & 0.00749 & 0.190354 & 0.189874 & 0.199806 & 3.625899 & 3.923751 & 0.002367\end{array}$ $\begin{array}{llllllll}1000 & 932.7008 & 0.008039 & 0.186358 & 0.22455 & 0.162356 & 3.84742 & 4.001767 \\ 10.0063837\end{array}$ $\begin{array}{lllllllll}1000 & 980.2405 & 0.011095 & 0.247101 & 0.14842 & 0.202215 & 3.554103 & 3.964025 & 0.005584\end{array}$ $\begin{array}{lllllllll}1000 & 1015.092 & 0.0059 & 0.19079 & 0.1428 & 0.200354 & 3.66321 & 3.684331 & 0.0054656 \\ 1000 & 1232576 & 0.00892 & 0.169017 & 0.122214 & 0.170122 & 377353 & 3.45667 & 0.007528\end{array}$ $\begin{array}{lllllllll}1000 & 1232.576 & 0.008992 & 0.169017 \\ 1000 & 937.2437 & 0.007459 & 0.117415 & 0.0921056 & 0.170122 & 3.773353 & 3.845667 & 0.007528 \\ 1 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 937.2437 & 0.007459 & 0.117415 & 0.091056 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 1022.361 & 0.011118 & 0.142214 & 0.072042 & 0.092509 & 3.62891 & 3.852747 & 0.005411 \\ 1000 & 899.6914 & 0.009343 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 & 0.007031\end{array}$ $\begin{array}{llllllll}1000 & 899.6914 & 0.009383 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 \\ 1000 & 842.7406 & 0.008896 & 0.088817 & 0.059609 & 0.104841 & 2.940103 & 3.123158 \\ 0.003311\end{array}$ $\begin{array}{lllllllll}1000 & 1104.459 & 0.014924 & 0.090176 & 0.042275 & 0.070423 & 4.073826 & 3.79903 & 0.003844\end{array}$ $\begin{array}{lllllllll}1000 & 978.4407 & 0.00805 & 0.082218 & 0.0070286 & 0.065493 & 3.223089 & 3.60059 & 0.0033515\end{array}$ $\begin{array}{lllllllll}1000 & 1162.722 & 0.009449 & 0.099094 & 0.085935 & 0.102102 & 4.027651 & 4.378036 & 0.003163\end{array}$ $\begin{array}{lllllllll}1000 & 756.8576 & 0.0078821 & 0.05696 & 0.0688695 & 0.068883 & 3.040587 & 2.94512 & 0.002299\end{array}$ $\begin{array}{lllllllll}1000 & 971.519 & 0.007318 & 0.069 & 0.094197 & 0.043817 & 3.513508 & 4.053341 & 0.003582\end{array}$ $\begin{array}{lllllllll}1000 & 959.3546 & 0.009271 & 0.087096 & 0.102484 & 0.07995 & 3.634127 & 3.926655 & 0.003381 \\ 1000 & 1019.094 & 0.006991 & 0.084875 & 0.095649 & 0.069527 & 4.09079 & 4.045614 & 0.004528\end{array}$ $\begin{array}{lllllllll}1000 & 763.6563 & 0.0005523 & 0.060883 & 0.0377828 & 0.0677001 & 2.750182 & 2.646371 & 0.001986\end{array}$ $\begin{array}{lllllllll}1000 & 892.8149 & 0.003764 & 0.08229 & 0.074591 & 0.075081 & 3.599805 & 4.337732 & 0.002417\end{array}$ $\begin{array}{llllllllll}1000 & 1077.353 & 0.006662 & 0.123206 & 0.075494 & 0.078135 & 4.048893 & 4.267745 & 0.004194\end{array}$ $\begin{array}{lllllllll}1000 & 1125.596 & 0.003603 & 0.094028 & 0.108934 & 0.092433 & 5.967074 & 4.696057 & 0.006665\end{array}$ $\begin{array}{lllllllll}1000 & 939.0287 & 0.004171 & 0.073003 & 0.041026 & 0.044625 & 3.420683 & 3.260777 & 0.0004614\end{array}$ $\begin{array}{lllllllll}1000 & 1139.014 & 0.001388 & 0.106343 & 0.102611 & 0.09935 & 4.500358 & 4.412559 & 0.010617 \\ 1000 & 1417.454 & 0.006477 & 0.113838 & 0.124553 & 0.094324 & 4.017941 & 4.145774 & 0.007085\end{array}$ $\begin{array}{llllllllll}1000 & 1417.454 .807 & 0.002359 & 0.085815 & 0.067423 & 0.076991 & 3.222431 & 3.381846 & 0.008018\end{array}$ $\begin{array}{llllllllll}1000 & 751.5371 & 0.005428 & 0.081747 & 0.080985 & 0.074071 & 2.786299 & 3.351637 & 0.011626\end{array}$ $\begin{array}{lllllllll}1000 & 975.036 & 0.010226 & 0.111202 & 0.165294 & 0.082725 & 4.409912 & 4.142978 & 0.009188\end{array}$ $\begin{array}{llllllllll}1000 & 786.2157 & 0.00564 & 0.102191 & 0.161635 & 0.092193 & 3.372319 & 3.721701 & 0.007232\end{array}$ $\begin{array}{llllllllll}1000 & 861.0951 & 0.005876 & 0.107937 & 0.105989 & 0.079509 & 3.549053 & 3.95556 & 0.007697\end{array}$ $\begin{array}{rrrrrrrr}1000 & 954.2135 & 0.009775 & 0.12469 & 0.106612 & 0.10979 & 4.590091 & 4.425664\end{array} 0.0011692$ $\begin{array}{lllllllll}1000 & 1041.884 & 0.008112 & 0.132957 & 0.109909 & 0.074753 & 4.222446 & 5.159665 & 0.009473 \\ 1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758\end{array}$ $\begin{array}{lllllllll}1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758 \\ 1000 & 904.946 & 0.010895 & 0.073672 & 0.119999 & 0.079519 & 4.270964 & 4.144797 & 0.010374\end{array}$ $\begin{array}{llllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.010464\end{array}$ $\begin{array}{lllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.01046 \\ 1000 & 911.0554 & 0.01067 & 0.088499 & 0.09556 & 0.096052 & 4.670143 & 4.43382 & 0.009184\end{array}$ $\begin{array}{lllllllll}1000 & 889.0681 & 0.011204 & 0.102134 & 0.107378 & 0.11104 & 3.894069 & 5.12506 & 0.012518\end{array}$

 | 1000 | 1211.922 | 0.011633 | 0.193457 | 0.14533 | 0.188593 | 5.694847 | 5.9206474 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.015963 $\begin{array}{lllllllll}1000 & 981.8394 & 0.014366 & 0.144531 & 0.103728 & 0.130518 & 4.183408 & 4.338904 & 0.010961 \\ 1000 & 845.2668 & 0.011602 & 0.139455 & 0.18139 & 0.148425 & 5.08163 & 4.01214 & 0.016106\end{array}$ $\begin{array}{lllllllll}1000 & 845.2668 & 0.011602 & 0.139455 & 0.181369 & 0.148425 & 5.08163 & 4.01214 & 0.016106 \\ 1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.512167 & 0.01294\end{array}$ $\begin{array}{lllllllll}1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.510167 & 0.011294 \\ 1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534\end{array}$ $\begin{array}{lllllllll}1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534 \\ 1000 & 1130.177 & 0.011671 & 0.137384 & 0.143126 & 0.104623 & 4.115838 & 4.484978 & 0.017592\end{array}$ $\begin{array}{llllllllll}1000 & 1100.734 & 0.008856 & 0.126336 & 0.105349 & 0.148234 & 4.620265 & 4.866172 & 0.01935\end{array}$ $\begin{array}{lllllllll}1000 & 988.9117 & 0.011863 & 0.12533 & 0.119406 & 0.113521 & 4.459507 & 4.108756 & 0.012289\end{array}$



$\begin{array}{llll}0.088276 & 0.301746 & 0.684175 & 0.726887\end{array}$ $\begin{array}{llll}0.061252 & 0.2266 & 0.613263 & 0.527212 \\ 0.082422 & 0.252141 & 0.638955 & 0.65554\end{array}$ $\begin{array}{llllll}0.066214 & 0.188481 & 0.407644 & 0.532784\end{array}$ $\begin{array}{llllll}0.062069 & 0.271612 & 0.642627 & 0.690178\end{array}$ $\begin{array}{llllll}0.060618 & 0.23348 & 0.643379 & 0.482898\end{array}$ $\begin{array}{llllll}0.074204 & 0.316499 & 0.805413 & 0.761162\end{array}$ $\begin{array}{llllll}0.061303 & 0.241004 & 0.728796 & 0.659874\end{array}$ | 0.062817 | 0.262773 | 0.607984 | 0.54725 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.074315 & 0.229177 & 0.532464 & 0.589107\end{array}$ $\begin{array}{lllll}0.090322 & 0.269939 & 0.928538 & 0.579235\end{array}$ $\begin{array}{lllll}0.045584 & 0.396844 & 0.630934 & 0.45254\end{array}$ $\begin{array}{lllllll}0.066522 & 0.361326 & 0.576329 & 0.414493\end{array}$ $\begin{array}{llllll}0.061807 & 0.250508 & 0.605018 & 0.444609\end{array}$ $\begin{array}{lllll}0.019469 & 0.188175 & 0.364697 & 0.439939\end{array}$ $\begin{array}{llll}0.056201 & 0.341304 & 0.519805 & 0.539248\end{array}$ 083953 0.0636730 .2833760 .6229480 .442476 $\begin{array}{llllllll}0.085354 & 0.330917 & 0.561869 & 0.426571\end{array}$ 0.0633350 .3124160 .6146060 .645965 $0.056895 \quad 0.218410 .7316680 .544225$ $\begin{array}{lllll}0.057601 & 0.251343 & 0.773882 & 0.760661\end{array}$ $\begin{array}{lllll}0.072158 & 0.200817 & 0.72924 & 0.586831\end{array}$ | 0.0258304 | 0.29844 | 0.711803 | 0.551968 |
| :--- | :--- | :--- | :--- | :--- |
| 042546 | 0.350998 | 0.680474 | 0.677959 | 0.0513050 .3386450 .6995920 .623646 $\begin{array}{lllll}0.050569 & 0.263866 & 0.789198 & 0.578686\end{array}$ $\begin{array}{lllllll}0.052159 & 0.292072 & 0.863879 & 0.544516\end{array}$ $\begin{array}{llllll}0.052515 & 0.271795 & 0.563818 & 0.585331\end{array}$ $\begin{array}{lllll}0.065539 & 0.242077 & 0.592998 & 0.538706\end{array}$ $\begin{array}{llllll}0.093555 & 0.342871 & 0.752932 & 0.633264\end{array}$ $\begin{array}{lllll}0.045633 & 0.181018 & 0.497428 & 0.29859 \\ 0.060617 & 0.226135 & 0.711152 & 0.500131\end{array}$ $0.0819380 .294266 \quad 0.606523 \quad 0.531855$ $\begin{array}{llll}0.066549 & 0.214035 & 0.67254 & 0.37811\end{array}$ $\begin{array}{llllll}0.087322 & 0.262825 & 0.496692 & 0.575454\end{array}$ $\begin{array}{llllll}0.094805 & 0.2694 & 0.572967 & 0.625262\end{array}$ $\begin{array}{lllll}0.077395 & 0.24767 & 0.520745 & 0.555115\end{array}$ $\begin{array}{lllll}0.104466 & 0.192254 & 0.668985 & 0.561807\end{array}$ $\begin{array}{llll}0.104908 & 0.276741 & 0.781278 & 0.658763\end{array}$ $\begin{array}{lllll}0.062864 & 0.228395 & 0.612342 & 0.518708\end{array}$ 01126350.2874230 .7258550 .783772 0.0892710 .2112760 .591070 .693697 0.0597660 .2260260 .9191020 .502028 $\begin{array}{llllllll}0.094103 & 0.292796 & 0.794171 & 0.631834\end{array}$ $\begin{array}{llll}0.047497 & 0.246617 & 0.477928 & 0.589447\end{array}$ $\begin{array}{llll}0.084941 & 0.226485 & 0.575785 & 0.596837 \\ 0.067965 & 0.22133 & 0.546085 & 0.547582\end{array}$ $\begin{array}{lllll}0.1007 & 0.246375 & 0.645385 & 0.7444845\end{array}$ $0.06558 \quad 0.180890 .5108620 .403974$ $\begin{array}{lllll}0.110081 & 0.245778 & 0.82607 & 0.697008\end{array}$ $\begin{array}{lllll}0.064119 & 0.216909 & 0.65652 & 0.48817\end{array}$ $\begin{array}{llllllll}0.050474 & 0.225042 & 0.558581 & 0.791978\end{array}$ $\begin{array}{llll}0.104281 & 0.391839 & 0.75692 & 0.508091\end{array}$ $\begin{array}{llll}0.090344 & 0.197166 & 0.607726 & 0.513741\end{array}$ $\begin{array}{llll}100516 & 0.242699 & 0.484892 & 0.430921\end{array}$ $\begin{array}{lllll}0.06642 & 0.264238 & 0.666401 & 0.504242\end{array}$ $\begin{array}{llllll}0.080936 & 0.270039 & 0.760565 & 0.639192\end{array}$ $\begin{array}{lllll}0.127452 & 0.256219 & 1.224445 & 0.748797\end{array}$ $\begin{array}{lllllll}0.092625 & 0.251734 & 0.722863 & 0.877018\end{array}$


$\begin{array}{lllllllll}1000 & 1028.654 & 0.01416 & 0.146036 & 0.127012 & 0.12246 & 4.537907 & 4.526973 & 0.013951\end{array}$ | 1000 | 1028.654 | 0.01416 | 0.146036 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 741.1929 | 0.010975 | 0.105124 | 0.09514 | 0.107808 | 4.4249924 | 4.0712412 |
| 1000 | 952.0595 | 0.0143951 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 952.0595 & 0.014329 & 0.12192 & 0.137419 & 0.108744 & 4.581381 & 4.244194 & 0.012851 \\ 1000 & 729.668 & 0.012671 & 0.111895 & 0.071418 & 0.088819 & 3.029747 & 3.228529 & 0.007106\end{array}$ $\begin{array}{llllllllll}1000 & 854.5858 & 0.016368 & 0.139891 & 0.129363 & 0.115504 & 4.236453 & 4.770272 & 0.018807\end{array}$ $\begin{array}{llllllllll}1000 & 842.921 & 0.010945 & 0.129997 & 0.102735 & 0.109373 & 3.79367 & 3.548281 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 794.2845 & 0.016659 & 0.141958 & 0.104014 & 0.113704 & 4.640105 & 3.849413 & 0.0137706\end{array}$ $\begin{array}{lllllllll}1000 & 1167.565 & 0.017254 & 0.160906 & 0.105409 & 0.114498 & 4.568694 & 3.776259 & 0.018366 \\ 1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 389191 & 0.016555\end{array}$ $\begin{array}{lllllllll}1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 3.89191 & 0.016555 \\ 1000 & 965.6001 & 0.015165 & 0.136527 & 0.116746 & 0.143778 & 4.170457 & 3.644165 & 0.012015\end{array}$ $\begin{array}{llllllllll} \\ 1000 & 1083.225 & 0.011244 & 0.206303 & 0.183779 & 0.14417 & 3.601772 & 3.602176 & 0.014059\end{array}$ $\begin{array}{lllllllllll}1000 & 1064.777 & 0.013144 & 0.163366 & 0.147514 & 0.157111 & 4.303764 & 4.500307 & 0.011653\end{array}$ $\begin{array}{lllllllllllll}1000 & 1062.437 & 0.019864 & 0.129004 & 0.120001 & 0.188427 & 4.549566 & 4.011885 & 0.017755\end{array}$ $\begin{array}{lllllllll}1000 & 923.2339 & 0.011635 & 0.143064 & 0.126858 & 0.139267 & 3.941547 & 4.85899 & 0.008863\end{array}$ $\begin{array}{lllllllll}1000 & 1213.813 & 0.010406 & 0.169858 & 0.152512 & 0.119851 & 3.806865 & 4.150082 & 0.02047\end{array}$ $\begin{array}{lllllllll}1000 & 923.6479 & 0.012256 & 0.095026 & 0.116664 & 0.093599 & 2.715465 & 2.984093 & 0.007217\end{array}$ $\begin{array}{llllllll}1000 & 1085.34 & 0.012975 & 0.136139 & 0.077288 & 0.132261 & 4.865842 & 4.405829 \\ 1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 \\ 0.007217\end{array}$ $\begin{array}{lllllllll}1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 & 0.007217 \\ 1000 & 862.2706 & 0.007757 & 0.111988 & 0.205936 & 0.103626 & 4.083303 & 3.97382 & 0.007812\end{array}$ $\begin{array}{llllllllll}1000 & 1166.525 & 0.012139 & 0.129308 & 0.139162 & 0.140302 & 4.250565 & 4.191167 & 0.009151\end{array}$ $\begin{array}{lllllllll}1000 & 952.1571 & 0.011935 & 0.133134 & 0.083742 & 0.122043 & 4.088579 & 4.19907 & 0.009608\end{array}$ $\begin{array}{lllllllll}1000 & 941.5586 & 0.009338 & 0.143548 & 0.15874 & 0.170051 & 4.659294 & 4.373576 & 0.008744\end{array}$ $\begin{array}{llllllll}1000 & 923.5269 & 0.012528 & 0.162324 & 0.18333 & 0.170523 & 4.541743 & 4.142688 \\ 0.011822\end{array}$ $\begin{array}{lllllllll}1000 & 1026.94 & 0.012264 & 0.180105 & 0.172468 & 0.144151 & 4.342586 & 4.366974 & 0.009263\end{array}$ $\begin{array}{lllllllll}1000 & 898.3809 & 0.008114 & 0.130117 & 0.099964 & 0.126973 & 3.777385 & 3.928593 & 0.008312 \\ 1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712\end{array}$ $\begin{array}{lllllllll}1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712 \\ 1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158 \\ 1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313 \\ 1000 & 1109.7 & 0.009778 & 0.157751 & 0.141267 & 0.137804 & 4.241498 & 4.38585 & 0.01028\end{array}$ $\begin{array}{llllllll}1000 & 1339.654 & 0.011492 & 0.14929 & 0.199302 & 0.149522 & 4.421682 & 4.237524 \\ 0 & 0.010604\end{array}$ $\begin{array}{llllllll}1000 & 997.6421 & 0.010745 & 0.153524 & 0.100455 & 0.155497 & 4.359638 & 4.041261\end{array} 0.013399$ $\begin{array}{lllllllll}1000 & 11177.886 & 0.017531 & 0.128017 & 0.111663 & 0.104768 & 4.660146 & 4.858161 & 0.006231\end{array}$ $\begin{array}{lllllllll}1000 & 1210.461 & 0.015324 & 0.132435 & 0.145524 & 0.136851 & 4.77324 & 4.363775 & 0.014741 \\ 1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016\end{array}$ $\begin{array}{lllllllll}1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016 \\ 1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.101064 & 4.203854 & 3.677148 & 0.008598\end{array}$ $\begin{array}{lllllllll}1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.121064 & 4.203854 & 3.677148 & 0.008598 \\ & 10.01391 & 0.123925 & 0.079661 & 0.125541 & 4.107858 & 3.94834 & 0.013828\end{array}$ $\begin{array}{lllllllll}1000 & 1037.696 & 0.012634 & 0.1386 & 0.107391 & 0.105282 & 3.854211 & 3.969999 & 0.005841\end{array}$ $\begin{array}{llllllllll}1000 & 1129.114 & 0.015067 & 0.152818 & 0.112047 & 0.137587 & 4.371954 & 3.912304 & 0.015591\end{array}$ $\begin{array}{lllllllll}1000 & 1117.029 & 0.012253 & 0.148224 & 0.128415 & 0.137544 & 5.162413 & 4.703488 & 0.015218\end{array}$ $\begin{array}{lllllllll}1000 & 979.7382 & 0.01333 & 0.154674 & 0.111552 & 0.129612 & 3.934826 & 4.590088 & 0.014709\end{array}$ $\begin{array}{lllllllll}1000 & 843.3477 & 0.014759 & 0.139713 & 0.190255 & 0.16747 & 3.8035111 & 4.431059 & 0.015695 \\ 1000 & 1085.636 & 0.019048 & 0.197431 & 0.21304 & 0.169659 & 5.12123 & 5.455344 & 0.020732\end{array}$ $\begin{array}{lllllllll}1000 & 1085.636 & 0.019048 & 0.194431 & 0.21304 & 0.189659 & 5.121123 & 5.458534 & 0.020732 \\ 1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605\end{array}$ $\begin{array}{lllllllll}1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605 \\ 1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519\end{array}$ $\begin{array}{lllllllll}1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519 \\ 1000 & 1190.229 & 0.013511 & 0.21934 & 0.168678 & 0.194457 & 5.622224 & 5.323735 & 0.020317\end{array}$ $\begin{array}{lllllllll}1000 & 834.8856 & 0.01246 & 0.1542 & 0.127333 & 0.11528 & 4.061896 & 4.29263 & 0.010769\end{array}$ $\begin{array}{lllllllll}1000 & 804.4719 & 0.022858 & 0.173054 & 0.099757 & 0.141127 & 4.473441 & 4.824668 & 0.013614\end{array}$ $\begin{array}{lllllllll}1000 & 1024.253 & 0.012255 & 0.137631 & 0.147053 & 0.132348 & 4.726544 & 4.72257 & 0.01114\end{array}$ $\begin{array}{lllllllll}1000 & 772.5668 & 0.013253 & 0.113755 & 0.125139 & 0.111188 & 3.578967 & 3.349036 & 0.010864\end{array}$ $\begin{array}{lllllllll}1000 & 797.7377 & 0.01562 & 0.119882 & 0.088036 & 0.091384 & 3.778864 & 4.390999 & 0.013533 \\ 1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595\end{array}$ $\begin{array}{lllllllll}1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595 \\ 1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392\end{array}$ $\begin{array}{lllllllll}1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392 \\ 1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.016209\end{array}$ $\begin{array}{lllllllll}1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.013209 \\ 1000 & 793.5016 & 0.016685 & 0.103893 & 0.07264 & 0.094659 & 5.38651 & 4.247234 & 0.016791\end{array}$ $\begin{array}{llllllll}1000 & 1185.312 & 0.016539 & 0.132666 & 0.094909 & 0.094659 & 5.38651 & 4.247234\end{array} 0.01677911$ $\begin{array}{llllllllll}1000 & 697.6078 & 0.01846 & 0.094662 & 0.091253 & 0.084946 & 4.182955 & 5.041107 & 0.02312\end{array}$ $\begin{array}{lllllllll}1000 & 11335.368 & 0.017434 & 0.148563 & 0.105108 & 0.123007 & 5.409202 & 6.143914 & 0.0186445\end{array}$ $\begin{array}{lllllllll}1000 & 787.6569 & 0.015712 & 0.104125 & 0.106238 & 0.086148 & 3.792894 & 3.997855 & 0.020601\end{array}$ $\begin{array}{lllllllll}1000 & 855.5005 & 0.015852 & 0.089105 & 0.089334 & 0.112328 & 4.459324 & 4.034535 & 0.016094 \\ 1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383\end{array}$ $\begin{array}{lllllllll}1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383 \\ 1000 & 798.7366 & 0.011834 & 0.106116 & 0.073641 & 0.077116 & 3.848758 & 3.920447 & 0.015228\end{array}$ $\begin{array}{lllllllll}1000 & 1131.456 & 0.020422 & 0.141462 & 0.150011 & 0.146175 & 5.627302 & 4.606008 & 0.0344136\end{array}$ $\begin{array}{lllllllllll}1000 & 1279.131 & 0.028515 & 0.143399 & 0.126882 & 0.153472 & 5.532589 & 6.666819 & 0.025455\end{array}$ $\begin{array}{lllllllll}1000 & 911.3863 & 0.02108 & 0.162773 & 0.112613 & 0.134924 & 4.442642 & 5.100058 & 0.030516\end{array}$



$\begin{array}{lllll}0.090057 & 0.180101 & 0.830395 & 0.754403\end{array}$ $\begin{array}{llrr}0.083849 & 0.278798 & 0.62593 & 0.548057 \\ 0.075134 & 0.286475 & 0.7264 & 0.693681\end{array}$ $\begin{array}{llllll}0.070151 & 0.271443 & 0.592123 & 0.583905\end{array}$ $\begin{array}{llllll}0.061049 & 0.242137 & 0.611778 & 0.468276\end{array}$ $\begin{array}{lllllll}0.093781 & 0.283921 & 0.800553 & 0.890701\end{array}$ $\begin{array}{llllll}0.128203 & 0.262215 & 0.564806 & 0.565075\end{array}$ $\begin{array}{llll}0.077443 & 0.301605 & 0.653682 & 0.788995\end{array}$ $\begin{array}{llll}0.067364 & 0.279434 & 0.764247 & 0.674885 \\ 0.068625 & 0.182857 & 0.49929 & 0.456977\end{array}$ $\begin{array}{lllll}0.063606 & 0.243555 & 0.520023 & 0.647503\end{array}$ $\begin{array}{lllll}0.092354 & 0.305761 & 0.698869 & 0.615705\end{array}$ $\begin{array}{lllll}0.075596 & 0.267653 & 0.686297 & 0.632793\end{array}$ 0.1064810 .2906210 .8572110 .787656 $\begin{array}{llll}0.082494 & 0.291002 & 0.96837 & 0.809503\end{array}$ $\begin{array}{llll}0.074321 & 0.210896 & 0.686823 & 0.69662\end{array}$ $\begin{array}{llll}0.091215 & 0.33628 & 0.730852 & 0.671029\end{array}$ $\begin{array}{lllll}0.066948 & 0.28887 & 0.68104 & 0.60688 \\ 0.081486 & 0.306322 & 0.711047 & 1.079506\end{array}$ $\begin{array}{llllll}0.065462 & 0.248445 & 0.689863 & 0.611956\end{array}$ $\begin{array}{lllllll}0.089089 & 0.268386 & 0.733076 & 0.703218\end{array}$ $\begin{array}{llllll}0.06911 & 0.228116 & 0.698244 & 0.643961\end{array}$ $\begin{array}{llllllll}0.029895 & 0.296329 & 0.837482 & 0.740833\end{array}$ $\begin{array}{lllllll}0.072636 & 0.276498 & 0.763179 & 0.747061\end{array}$ 0.0368090 .2551370 .7331030 .647129 $\begin{array}{llll}0.03837 & 0.21482 & 0.68111 & 0.843815\end{array}$ 0.0342480 .2465050 .6324640 .646172 $\begin{array}{llllll}0.074181 & 0.262642 & 0.892867 & 0.816515\end{array}$ $\begin{array}{llllllll}0.052496 & 0.238135 & 0.795326 & 0.691265\end{array}$ $\begin{array}{llllll}0.077356 & 0.288994 & 0.808497 & 0.81003\end{array}$ $\begin{array}{llllll}0.057233 & 0.232916 & 0.626737 & 0.757556\end{array}$ $\begin{array}{llll}0.079342 & 0.181322 & 0.847465 & 0.699947\end{array}$ $\begin{array}{llll}0.056261 & 0.22874 & 0.714012 & 0.428302 \\ 0.052135 & 0.278671 & 0.633279 & 0.57916\end{array}$ $\begin{array}{lllllll}0.07018 & 0.295099 & 0.575787 & 0.596536\end{array}$ $\begin{array}{lllll}0.029332 & 0.244052 & 0.523411 & 0.563131\end{array}$ 0.0540190 .2818710 .6094650 .551886 $\begin{array}{llllll}0.034087 & 0.19179 & 0.591307 & 0.469939\end{array}$ $\begin{array}{lllll}0.074669 & 0.31026 & 0.562337 & 0.48022\end{array}$ $\begin{array}{llll}0.047757 & 0.372461 & 0.703879 & 0.55887\end{array}$ | 0.055755 | 0.258088 | 0.613692 | 0.557978 |
| :--- | :--- | :--- | :--- | 04577202615320.5766330 .0 .50423 $\begin{array}{llllll}0.048644 & 0.281172 & 0.836609 & 0.58781\end{array}$ 0.0869740 .3269550 .5643510 .558935 $\begin{array}{llllllll}0.041806 & 0.289478 & 0.793145 & 0.633843\end{array}$ $\begin{array}{llllll}0.066083 & 0.239037 & 0.806439 & 0.649824\end{array}$ $\begin{array}{lllll}0.048886 & 0.253014 & 0.638303 & 0.568521\end{array}$ $\begin{array}{lllll}0.048273 & 0.210509 & 0.731103 & 0.880153\end{array}$ $\begin{array}{llll}0.052744 & 0.289267 & 1.018621 & 0.690509 \\ 0.038332 & 0.220743 & 0.794439 & 1.071487\end{array}$ $\begin{array}{llllll}0.045271 & 0.269298 & 0.607697 & 0.63781\end{array}$ $\begin{array}{lllll}0.051492 & 0.244513 & 0.713634 & 0.656599\end{array}$ $\begin{array}{lllll}0.055043 & 0.29409 & 0.548967 & 0.709825\end{array}$ $\begin{array}{llllllll}0.043631 & 0.225766 & 0.553996 & 0.627067\end{array}$ $\begin{array}{lllll}0.054931 & 0.364089 & 1.179798 & 0.899678\end{array}$ $\begin{array}{llll}0.060538 & 0.273018 & 0.89157 & 0.751192\end{array}$ | 0.080024 | 0.305151 | 1.064447 | 0.637774 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.067099 & 0.320474 & 0.730043 & 0.904355\end{array}$ $\begin{array}{lllll}0.077519 & 0.301803 & 0.77401 & 0.785512\end{array}$ $\begin{array}{llllllll}0.047662 & 0.325748 & 1.001534 & 0.732589\end{array}$ $\begin{array}{llllll}0.081793 & 0.344131 & 0.883718 & 1.123488\end{array}$


$\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952\end{array}$ $\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952 \\ 1000 & 852.7033 & 0.022526 & 0.12547 & 0.100848 & 0.163057 & 4.580898 & 5.659965 & 0.020954\end{array}$ $\begin{array}{lllllllll}1000 & 874.9718 & 0.018863 & 0.151649 & 0.134745 & 0.146621 & 4.861314 & 5.084336 & 0.027006 \\ 1000 & 929.3493 & 0.013599 & 0.130454 & 0.118402 & 0.130938 & 4.799933 & 5.642004 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 806.2195 & 0.021178 & 0.118562 & 0.084522 & 0.117048 & 4.325884 & 4.025501 & 0.016481\end{array}$ $\begin{array}{llllllllll}1000 & 1264.182 & 0.01856 & 0.144559 & 0.146817 & 0.154722 & 4.590265 & 5.581338 & 0.020769\end{array}$ $\begin{array}{lllllllll}1000 & 1141.243 & 0.020414 & 0.162398 & 0.10281 & 0.156608 & 5.356503 & 5.208311 & 0.021378 \\ 1000 & 897.9089 & 0.01598 & 0.117317 & 0.18531 & 0.11238 & 4.59936 & 4.88282 & 0.016553\end{array}$ $\begin{array}{lllllllll}1000 & 897.9089 & 0.01598 & 0.117317 & 0.186319 & 0.111228 & 4.599356 & 4.88182 & 0.016553 \\ 1000 & 789.5533 & 0.13431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664\end{array}$ $\begin{array}{lllllllll}1000 & 789.5533 & 0.013431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664 \\ 1000 & 830.4513 & 0.011214 & 0.117648 & 0.1027 & 0.072961 & 3.466176 & 3.860394 & 0.011476\end{array}$ | 1000 | 830.4513 | 0.011214 | 0.117648 | 0.1027 | 0.072961 | 3.466176 | 3.860394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1026.596 | 0.010509 | 0.132961 | 0.138198 | 0.129651 | 4.88703 | 4.694534 | $\begin{array}{lllllllllllllllllll}1000 & 906.5125 & 0.012535 & 0.125429 & 0.119937 & 0.143361 & 4.849786 & 4.842747 & 0.017174\end{array}$ $\begin{array}{lllllllll}1000 & 066.51125 & 0.012535 & 0.125429 & 0.119937 & 0.143341 & 4.849876 & 4.842747 & 0.017174 \\ 1000 & 874.1378 & 0.014713 & 0.166582 & 0.132514 & 0.149416 & 4.44108 & 4.252585 & 0.015486\end{array}$ $\begin{array}{lllllllll}1000 & 918.9848 & 0.01071 & 0.19845 & 0.204507 & 0.171952 & 4.358566 & 4.711296 & 0.018166\end{array}$ $\begin{array}{lllllllll}1000 & 932.5596 & 0.013281 & 0.141466 & 0.183964 & 0.152985 & 4.393513 & 4.527203 & 0.0127775 \\ 1000 & 9055958\end{array}$ $\begin{array}{lllllllllll}1000 & 905.9589 & 0.010355 & 0.164632 & 0.117362 & 0.132887 & 3.831499 & 3.867516 & 0.012228\end{array}$ $\begin{array}{llllllll}1000 & 1003.854 & 0.010741 & 0.15347 & 0.081156 & 0.124061 & 4.390127 & 4.404645\end{array} 0.018499$ $\begin{array}{lllllllll}1000 & 1087.447 & 0.009096 & 0.111276 & 0.070753 & 0.115521 & 3.819932 & 4.125442 & 0.016509 \\ 1000 & 1165.679 & 0.011897 & 0.085796 & 0.054679 & 0.060075 & 3.898947 & 3.799543 & 0.009413\end{array}$ $\begin{array}{llllllllll}1000 & 1234.877 & 0.00553 & 0.107366 & 0.057808 & 0.087369 & 4.042756 & 4.246076 & 0.01063\end{array}$ $\begin{array}{lllllllll}1000 & 1099.013 & 0.012884 & 0.109704 & 0.087559 & 0.098853 & 4.593207 & 4.198 & 0.00959\end{array}$ $\begin{array}{lllllllll}1000 & 986.3523 & 0.003527 & 0.095674 & 0.073038 & 0.096257 & 4.056269 & 4.001018 & 0.012981\end{array}$ $\begin{array}{lllllllll}1000 & 1121.947 & 0.009057 & 0.119062 & 0.071335 & 0.09803 & 4.149483 & 4.217536 & 0.015653\end{array}$ $\begin{array}{lllllllll}1000 & 989.7175 & 0.006253 & 0.084097 & 0.09053 & 0.069706 & 4.326785 & 3.617283 & 0.012811\end{array}$ $\begin{array}{llllllll}1000 & 920.3768 & 0.009283 & 0.111957 & 0.089144 & 0.108179 & 4.038343 & 3.730325\end{array} 0.010578$ $\begin{array}{lllllllll}1000 & 996.9348 & 0.013789 & 0.133275 & 0.154769 & 0.114669 & 3.908295 & 3.608121 & 0.010197 \\ 1000 & 922.5062 & 0.012161 & 0.107979 & 0.064695 & 0.11 & 3.663677 & 4.123842 & 0.0091\end{array}$ $\begin{array}{llllllllll}1000 & 967.3259 & 0.009346 & 0.133964 & 0.088783 & 0.151347 & 3.340391 & 3.67791 & 0.008218\end{array}$ $\begin{array}{lllllllll}1000 & 821.8274 & 0.01201 & 0.112924 & 0.161463 & 0.117992 & 4.418531 & 4.126708 & 0.014034\end{array}$ $\begin{array}{llllllllll}1000 & 938.0528 & 0.012979 & 0.143831 & 0.090488 & 0.101102 & 4.093314 & 4.04827 & 0.008095\end{array}$ $\begin{array}{llllllllll}1000 & 963.8098 & 0.010389 & 0.141231 & 0.135047 & 0.112962 & 4.806208 & 4.55614 & 0.010506\end{array}$ $\begin{array}{lllllllll}1000 & 1010.771 & 0.009601 & 0.113105 & 0.093508 & 0.115327 & 3.634634 & 4.224371 & 0.00671 \\ 1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.788621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.678621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 945.002 & 0.008883 & 0.128579 & 0.062934 & 0.105994 & 4.119318 & 3.811908 & 0.008776 \\ 1000 & 1000.38 & 0.01160 & 0.103859 & 0.092075 & 0.082194 & 4.527413 & 3.886186 & 0.012626\end{array}$ $\begin{array}{lllllllllll}1000 & 941.513 & 0.011288 & 0.091369 & 0.073175 & 0.091502 & 4.268201 & 3.966664 & 0.006225\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 832.7509 & 0.011358 & 0.123557 & 0.117717 & 0.08752 & 3.926826 & 3.870103 & 0.005305\end{array}$ $\begin{array}{llllllllll}000 & 1091.785 & 0.009596 & 0.112907 & 0.131083 & 0.089413 & 3.980519 & 4.504179 & 0.008531\end{array}$ $\begin{array}{lllllllll}1000 & 798.7042 & 0.006648 & 0.072744 & 0.067197 & 0.069213 & 3.572284 & 3.213242 & 0.006301\end{array}$ $\begin{array}{lllllllll}1000 & 856.797 & 0.012389 & 0.073575 & 0.060721 & 0.080388 & 3.55837 & 4.237214 & 0.00613\end{array}$ $\begin{array}{llllllllll}1000 & 933.9843 & 0.008909 & 0.090247 & 0.059186 & 0.091978 & 3.827035 & 4.416919 & 0.007066\end{array}$ $\begin{array}{lllllllll}1000 & 1005.044 & 0.010942 & 0.080755 & 0.11284 & 0.100049 & 4.257321 & 3.888248 & 0.007668 \\ 1000 & 1109.264 & 0.013906 & 0.084676 & 0.090272 & 0.127708 & 4.082888 & 4.159102 & 0.007039\end{array}$

 $\begin{array}{lllllllll}1000 & 1050.892 & 0.012639 & 0.095231 & 0.108829 & 0.069224 & 3.48895 & 3.433321 & 0.00651 \\ 10.012256 & 0.083559 & 0.094399 & 0.08595 & 3.588081 & 3.84616 & 0.006362\end{array}$ $\begin{array}{llllllllll}1000 & 1073.743 & 0.016611 & 0.094162 & 0.050613 & 0.077413 & 3.750747 & 4.084998 & 0.005941\end{array}$ $\begin{array}{lllllllll}1000 & 1040.508 & 0.013303 & 0.085952 & 0.055027 & 0.0993271 & 4.431008 & 3.641332 & 0.006345\end{array}$ $\begin{array}{llllllllll}1000 & 948.8302 & 0.017151 & 0.120521 & 0.107967 & 0.105458 & 4.450501 & 4.169837 & 0.011552\end{array}$

 $\begin{array}{lllllllll}1000 & 1150.978 & 0.01103 & 0.112328 & 0.140965 & 0.104858 & 4.527291 & 4.246741 & 0.008904\end{array}$ $\begin{array}{lllllllll}1000 & 1078.461 & 0.010312 & 0.113554 & 0.110995 & 0.094182 & 4.582837 & 5.216003 & 0.007964 \\ 1000 & 979.3589 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563\end{array}$ $\begin{array}{lllllllll}1000 & 979.3559 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563 \\ 1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979\end{array}$ $\begin{array}{lllllllll}1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979 \\ 1000 & 973.635 & 0.007862 & 0.095273 & 0.097306 & 0.056644 & 4.777448 & 4.033135 & 0.004704\end{array}$ $\begin{array}{lllllllll}1000 & 898.0397 & 0.0012928 & 0.084047 & 0.0973761 & 0.056644 & 4.777448 & 4.033135 & 0.004704 \\ 10.0964684 & 5.850733 & 4.297753 & 0.009108\end{array}$ $\begin{array}{lllllllll}1000 & 822.2072 & 0.009701 & 0.10902 & 0.077634 & 0.094442 & 4.545877 & 4.32527 & 0.005085\end{array}$ $\begin{array}{lllllllll}1000 & 944.5036 & 0.014902 & 0.128787 & 0.07847 & 0.101693 & 5.689784 & 5.067543 & 0.011265 \\ 1000 & 873.0413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ $\begin{array}{lllllllll}1000 & 873.9413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ | 1000 | 1160.539 | 0.016712 | 0.1056 | 0.124497 | 0.101001 | 5.15125 | 5.059805 | 0.006411 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1035.832 & 0.019257 & 0.104078 & 0.073098 & 0.089762 & 4.602694 & 4.446512 & 0.00825 \\ 1000 & 996.6967 & 0.020022 & 0.094208 & 0.072893 & 0.091969 & 4.68461 & 4.47308 & 0.009578\end{array}$ $\begin{array}{lllllllll}1000 & 1161.63 & 0.015064 & 0.119751 & 0.0660777 & 0.103982 & 4.663641 & 4.280423 & 0.008475\end{array}$ $\begin{array}{llllllllll}1000 & 1075.271 & 0.019046 & 0.136875 & 0.144539 & 0.112855 & 4.445872 & 4.013315 & 0.008608\end{array}$ $\begin{array}{llllllllll}1000 & 1047.164 & 0.028758 & 0.142505 & 0.167969 & 0.15747 & 5.70897 & 5.048413 & 0.011243\end{array}$

| 559.8638 | 101.01 | 133.02 | 350.39 | 371.44 | 9180.22 | 161664.1 | 255.07 | 248.07 | 31 | 207.05 | 7637.67 | 62026.25 | 50 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 560.1976 | 99.01 | 157.03 | 295.28 | 433.59 | 8903.88 | 193284.4 | 240.06 | 217.05 | 29 | 186.04 | 7869.58 | 69510.75 | 30 |
| 560.532 | 133.02 | 156.03 | 243.19 | 358.41 | 11063.63 | 183742.7 | 344.13 | 224.05 | 33 | 182.04 | 7534.98 | 70969.93 | 54 |
| 560.8658 | 104.01 | 175.03 | 359.41 | 362.42 | 9667.34 | 197549.6 | 338.12 | 273.08 | 43 | 220.05 | 7518.71 | 65877.77 | 32 |
| 561.1996 | 112.01 | 137.02 | 279.25 | 485.75 | 8136.66 | 152128.3 | 330.12 | 170.03 | 34 | 144.02 | 7443.49 | 64626.49 | 39 |
| 561.5339 | 117.01 | 149.02 | 425.57 | 388.48 | 8930.33 | 144822.1 | 300.1 | 158.03 | 26 | 157.03 | 7213.83 | 60076.08 | 24 |
| 561.8678 | 101.01 | 123.02 | 235.17 | 373.44 | 7790.66 | 135401.4 | 280.08 | 117.01 | 23 | 118.02 | 7053.34 | 56419.16 | 20 |
| 562.2016 | 101.01 | 176.03 | 316.32 | 341.37 | 7428.64 | 116872 | 310.1 | 91.01 | 3 | 114.01 | 6459.6 | 56851.48 | 5 |
| 562.5359 | 104.01 | 99.01 | 219.15 | 348.38 | 7434.93 | 121152.1 | 278.08 | 97.01 | 16 | 109.01 | 6027.73 | 52843.54 | 19 |
| 562.8698 | 79.01 | 149.02 | 226.16 | 330.34 | 7402.44 | 109689.1 | 259.07 | 73.01 | 11 | 84.01 | 5828.15 | 52872.66 | 18 |
| 563.2036 | 104.01 | 137.02 | 254.2 | 292.27 | 7618.47 | 119417.6 | 249.07 | 76.01 | 11 | 87.01 | 6180.77 | 48701.12 | 18 |

## Standard NIST SRN 610 used for shell 2388 <br> 2:|2016 herath_dilmil 2016-09-05\ruu Created: Mon Sep 05 17:58:12 2016

## All values are reported in ppm

GLITTER!: Trace Element Concentrations MDL filtered. Element std610_7 std610_8 stdd10_9 std610 $\begin{array}{llllll}\text { Li7 } & 473.25 & 462.46 & 465.96 & 470.24\end{array}$ $\begin{array}{lrrrr}\text { B11 } & 351.45 & 348.46 & 349.08 & 350.9 \\ \text { Mg25 } & 430.34 & 433.81 & 432.15 & 43.7\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 430.34 & 433.81 & 432.13 & 431.73\end{array}$ $\begin{array}{lrrrr}\text { Mg26 } & 4424 & 440.21 & 430.13 & 431.73 \\ \text { Ca43 } & 81473.75 & 8143.75 & 81473.77 & 814737\end{array}$ $\begin{array}{llllll}\text { Ca43 } & 81473.75 & 8140.21 & 430.29 & 432.72 \\ & 81473.77 & 81473.77\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 81210.13 & 81780.01 & 81439.73 & 81474.34\end{array}$ $\begin{array}{llrrr}\text { Mn55 } & 443.02 & 445.26 & 442.08 & 445.52\end{array}$ $\begin{array}{lllll}\text { Zn66 } & 436.91 & 492.07 & 460.31 & 457.04 \\ \text { Zn67 } & 441.38 & 483.82 & 459.25 & 45.57\end{array}$ $\begin{array}{lllll}\text { Zn67 } & 441.38 & 483.82 & 459.25 & 458.57 \\ \text { Zn68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ & & 53.5 & 51.96 & 54.57\end{array}$ $\begin{array}{lllll}\text { 2r68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ \text { Sr86 } & 497.56 & 536.02 & 514.46 & 514.57 \\ \text { Sr88 } & 515.41 & 515.64 & 514.93 & 5152\end{array}$ $\begin{array}{llllll}\text { Sr88 } & 515.41 & 565.64 & 514.93 & 515.96 \\ \text { Ba137 } & 448.46 & 456.23 & & \end{array}$

GUITER!: Mean Raw CPS background NOT subtrated Element Mean Raw CPS background NOT subtracted.
std610 7
std610
8 std610 9 std610 Element std610_7 std610_8 std610_9 std610_10 $\begin{array}{lllll}\text { Li7 } & 840630 & 774959 & 634379 & 666687 \\ \text { B11 } & 176916 & 163919 & 122115 & 126585\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 87675 & 81348 & 63959 & 6631\end{array}$ $\begin{array}{llllll}\text { Mg26 } & 105876 & 95037 & 74052 & 77259\end{array}$ $\begin{array}{llllll}\text { Са43 } & 197179 & 186631 & 157114 & 164209\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 3301874 & 3109408 & 2608571 & 2726212\end{array}$ $\begin{array}{llllll}\text { Mn55 } & 834433 & 771902 & 598662 & 625398\end{array}$

| Zn66 | 115890 | 124138 | 102559 | 106915 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Zn67 | 19811 | 20548 | 16357 | 17053 |


|  | 19811 | 20548 | 16357 | 17053 |
| :--- | :--- | :--- | :--- | :--- |
| 2n68 | 90695 | 94465 | 75776 | 78915 |


| Sr86 | 108902 | 94465 | 75776 | 78915 |
| ---: | ---: | ---: | ---: | ---: | ---: |
|  | 10341 | 85315 | 89330 |  |

 $\begin{array}{llllll}\text { Ba137 } & 108577 & 104945 & 90541 & 95266\end{array}$

Average CPS/ppm X/Ca43
467.97751558 .117720 .123 $349.9725421 .1295 \quad 194.6357$ 432.0025 173.2039 80.0505 431.805 203.9254 94.24927 $81473.76 \quad 2.163681$
$81476.05 \quad 36.04146 \quad 16.65747$ $\begin{array}{r}443.97 \quad 1593.799736 .6143 \\ 461.5825 \\ 243.257 \\ \hline\end{array}$ $460.755 \quad 40.02615 \quad 18.499$ $461.6425 \quad 184.0445 \quad 85.060$ 515.6525186 .602486 .24302 $\begin{array}{lll}515.485 & 1556.279 & 719.2735\end{array}$ 452.035 220.8507 102.0717

Average
729163.8
147383.8
74824.5

88056 176283.3 2936516 707598.8
112375.5 84962.75 96222 99832.2
$\begin{array}{llllll}0.045024 & 0.242562 & 0.815599 & 0.658407\end{array}$ $\begin{array}{llllll}0.044512 & 0.304164 & 0.707952 & 0.801319\end{array}$ $\begin{array}{llll}0.044512 & 0.304164 & 0.707952 & 0.801319 \\ 0.061963 & 0.242966 & 0.468588 & 0.525642\end{array}$ $\begin{array}{llllll}0.045394 & 0.317474 & 0.794539 & 0.608854\end{array}$ $\begin{array}{lllllll}0.062297 & 0.283536 & 0.732397 & 0.989375\end{array}$ $\begin{array}{lllll}0.061521 & 0.285277 & 1.019278 & 0.710314\end{array}$ $\begin{array}{lllll}0.053057 & 0.260096 & 0.643378 & 0.780374\end{array}$
 $\begin{array}{lllll}0.059028 & 0.207786 & 0.627878 & 0.758577\end{array}$ $\begin{array}{llll}0.030565 & 0.344174 & 0.650979 & 0.719146\end{array}$

$\begin{array}{lllllllll}1000 & 1032.632 & 0.013431 & 0.155637 & 0.113652 & 0.141987 & 4.764557 & 4.591321 & 0.016482\end{array}$ $\begin{array}{llllllll}1000 & 1273.089 & 0.012058 & 0.140289 & 0.109384 & 0.128847 & 5.063505 & 5.305071\end{array} 0.010108$ $\begin{array}{lllllllll}1000 & 973.9181 & 0.019691 & 0.116563 & 0.100574 & 0.101002 & 3.89951 & 4.358914 & 0.014784\end{array}$ $\begin{array}{llllllllll}1000 & 1096.326 & 0.024948 & 0.120047 & 0.141027 & 0.102593 & 5.237366 & 5.397477 & 0.014452\end{array}$ $\begin{array}{llllllll}1000 & 950.8609 & 0.019161 & 0.101593 & 0.097402 & 0.104307 & 4.622672 & 4.571424 \\ 0.008019\end{array}$ $\begin{array}{lllllllll}1000 & 1019.028 & 0.019236 & 0.08596 & 0.09829 & 0.082331 & 5.179594 & 4.921326 & 0.0077618 \\ 1000 & 922.319 & 0.024655 & 0.069876 & 0.009644 & 0.0723 & 4.96557 & 5 & 200764\end{array}$ | 1000 | 1029.019 | 0.019236 | 0.08596 | 0.0982 | 0.082331 | 5.179594 | 4.921326 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 0.007618 |  |  |  |  |  |  | $\begin{array}{llllllll}1000 & 955.3226 & 0.019871 & 0.074492 & 0.070319 & 0.077259 & 4.627473 & 4.830022\end{array} 0.000757$ $\begin{array}{llllllllll}1000 & 918.9416 & 0.015349 & 0.05673 & 0.045847 & 0.053921 & 4.632462 & 4.344124 & 0.006986\end{array}$

Acquired :5/01/2017 1:02:08 PM using Batch RUN3.b
 70.4927

### 70.8265 71.1608

71.1608
71.4947
71.4947
71.829
71.829
72.1628
72.4966
$72.4966 \quad 74$
72.49266
72.831
73.1648

| 73.16 |
| :--- |
| 73.48 |

7

| 74.16 |
| :--- |
| 74.5 |


| 74.50 |
| :--- |
| 74.83 |


| 74.81 |
| :--- |
| 75.1 |


| 75.168 |
| :--- |
| 75.5026 |
| 75.83 |


| 75.836 |
| :--- |
| 76.17 |

76.81798
76.5046
76.5046
76.8399
76.8399
77.1738

| 77.1738 |
| :--- |
| 77.50 |


| 77.507 |
| :--- |
| 77.841 |
| 78.1757 |


| 77.841 |
| :--- |
| 78.175 |

78.50
79.1
79.51
79.84
79.8459
80.1797
80.1797
80.5135
80.5135
80.8479
81.1817
80.8479
81.1817
815155
81.5155
81.8499
821837
$82 . .1837$
82.5175
82.5175
82.8518
83.1857
83.1857
83.52
8.538
83.52
83.8538
84.1876
83.8538
84.1876
84.522
84.1876
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84.8568
84.8568
85.1907
85.1907
85.525
85.525
85.5888
85.8588
86.1926
86.527
86.527
86.8608
$\begin{array}{r}86.8608 \\ 87.1946 \\ \hline 87.529\end{array}$
86.1946
87.529
87.8628
87.8628
88.1966
88.1966
88.5309
88.5309
88.8648
$\begin{array}{rrrrrrrrrr}88.1986 & 111.01 & 166.03 & 63.01 & 124.05 & 6438.07 & 6233 & 123838.8 & 196.04 & 94.01 \\ & 177.03 & 90.03 & 91.03 & 6726.88 & 130548.3 & 191.04 & 119.02\end{array}$

$206.13 \quad 6937 .{ }^{2} 179$ $\begin{array}{llll} & 6937.81 & 112650.8\end{array}$ | 179.1 | 6197.63 | 1119965.6 |
| :--- | :--- | :--- |
| 1519 | 6519.34 | 98035.8 |

 $\stackrel{\circ}{\circ}$ $\stackrel{\infty}{\infty}{ }_{\infty}^{\infty}$
$5 r 86$

01

336 $\begin{array}{llll}85.01 & 3361.39 & 33209.72\end{array}$ $\begin{array}{lll}87.01 & 3465.17 & 33931.2 \\ 90.01 & 40.77 & 3547.24\end{array}$ \begin{tabular}{llll}
\hline .01 \& 4026.77 \& 35547.29

 $\begin{array}{lll}76.01 & 3489.35 & 31910.24 \\ 70.01 & 4359.82 & 2901627\end{array}$ $\begin{array}{rrr}70.01 & 4359.82 & 29016.27 \\ 67 & 3356.35 & 30960.71\end{array}$ $\begin{array}{llll}67 & 3356.35 & 30960.71 \\ .01 & 4106.48 & 35093.96\end{array}$ $\begin{array}{lll}69.01 & 4106.48 & 35093.96 \\ 80.01 & 3662.71 & 36699.88\end{array}$ 

80.01 <br>
69.01 <br>
\hline 7.01

 

3662.01 \& 34489.1 <br>
3999.53 \& 29366.7 <br>
\hline
\end{tabular}

 $\begin{array}{llll}73.01 & 4410.31 & 31338.37 \\ 74.01 & 3885.55 & 31480.73\end{array}$ 66
74.01 38773.6132687 .78
31738 $\begin{array}{lll}3773.71 & 32607.78 \\ 30633.37\end{array}$ $4039.88 \quad 26954.74$ $\begin{array}{ll}4039.88 & 26954.74 \\ 361.46 & 31070.87\end{array}$ 76.01 $\begin{array}{ll}9 & \\ 5 & 0 \\ 9 & 0 \\ 4 & 0\end{array}$

Convertion mmol/mol (Georem)
${ }^{L i 7} \quad{ }^{\text {B11 }} \quad \mathrm{Mg} 25 \quad \mathrm{Mg} 26 \quad \mathrm{Ca43}$ $\begin{array}{lllll}0.014212 & 0.477124 & 0.400065 & 0.453168 \\ 0.036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{llll}036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{lllll}0.024304 & 0.6252999 & 0.4721542 & 0.5330387\end{array}$ $\begin{array}{llll}0.024304 & 0.625299 & 0.471542 & 0.530357 \\ 0.071327 & 0.86506 & 0.626596 & 0.689338\end{array}$ $\begin{array}{lllll}0.032441 & 0.65367 & 0.509878 & 0.588591\end{array}$ $\begin{array}{lllll}0.045964 & 0.836121 & 0.683849 & 0.496286\end{array}$ $\begin{array}{llllllll}0.023956 & 0.722269 & 0.746994 & 0.418764\end{array}$ $\begin{array}{lllllllll}0.0314 & 0.809139 & 0.492741 & 0.597374\end{array}$ $\begin{array}{llll}0.035631 & 0.68044 & 0.394908 & 0.419953\end{array}$ $\begin{array}{llll}0.042699 & 0.645016 & 0.382305 & 0.423525\end{array}$ $\begin{array}{llll}0.038644 & 0.732868 & 0.303948 & 0.363932 \\ 0.050167 & 0.6052 & 0.262075 & 0.339768\end{array}$ $04678 \quad 0.696277 \quad 0.474610 .332669$ $\begin{array}{lllll}0.041127 & 0.786182 & 0.496357 & 0.502365\end{array}$ 0.030360 .6868030 .7443420 .386995 0.0272210 .6776730 .5259210 .286233 0.0418050 .5988560 .4249670 .304504 $\begin{array}{llll}0.044409 & 0.529427 & 0.230359 & 0.29566\end{array}$ $\begin{array}{rrrr}0.047104 & 0.661144 & 0.347343 & 0.364 \\ 0 & 045462 & 0.616712 & 0.362359\end{array}$ $\begin{array}{llllll}0.049756 & 0.446333 & 0.435203 & 0.327911\end{array}$ $\begin{array}{llll}0.062749 & 0.375359 & 0.252237 & 0.239868\end{array}$ $\begin{array}{llllll}0.088728 & 0.535161 & 0.238787 & 0.279027\end{array}$ $\begin{array}{lllllll}0.127013 & 0.588532 & 0.429127 & 0.327099\end{array}$ $\begin{array}{lllllllll}0.085732 & 0.597896 & 0.355955 & 0.359016\end{array}$ $0.077984 \quad 0.515370 .2200480 .274219$ $\begin{array}{llll}0.066519 & 0.581484 & 0.195853 & 0.231953\end{array}$ $\begin{array}{lllll}0.046257 & 0.481883 & 0.259778 & 0.259115\end{array}$ $\begin{array}{lllllll}0.101143 & 0.473082 & 0.261028 & 0.367494\end{array}$ $\begin{array}{llll}0.132016 & 0.513791 & 0.245818 & 0.3089\end{array}$ $\begin{array}{llllll}0.097711 & 0.457082 & 0.258896 & 0.194549\end{array}$ $\begin{array}{llllll}0.094896 & 0.464772 & 0.247803 & 0.220315\end{array}$ $0.1374370 .442277 \quad 0.2136520 .210203$ $\begin{array}{lllll}0.143102 & 0.52655 & 0.267642 & 0.226465\end{array}$ $\begin{array}{lllll}0.130366 & 0.450118 & 0.194497 & 0.198305 \\ 0.05261 & 0.432313 & 0.262108 & 0.219594\end{array}$ 0.0878880 .4460670 .3442540 .221977 $\begin{array}{llllll}0.082093 & 0.458292 & 0.270474 & 0.168049\end{array}$ $\begin{array}{llllll}0.087772 & 0.434892 & 0.253075 & 0.214525\end{array}$ $\begin{array}{lllllll}0.066281 & 0.287609 & 0.174145 & 0.185087\end{array}$ $\begin{array}{lllll}0.052363 & 0.333942 & 0.187762 & 0.208832\end{array}$ $\begin{array}{lllll}0.062725 & 0.378172 & 0.185271 & 0.177175\end{array}$ $\begin{array}{llll}0.088444 & 0.419751 & 0.262195 & 0.260536 \\ & 0.05335 & 0.358938 & 0.2029\end{array}$ $\begin{array}{lllll}0.027028 & 0.342342 & 0.250189 & 0.271304\end{array}$ $\begin{array}{llllll}0.034908 & 0.419729 & 0.245391 & 0.171974\end{array}$ $\begin{array}{llllllll}0.02841 & 0.355781 & 0.267222 & 0.337443\end{array}$ $\begin{array}{llllllllllll}0.054306 & 0.507699 & 0.277764 & 0.363138\end{array}$ $\begin{array}{lllllllllllll}0.051474 & 0.468197 & 0.318724 & 0.271393\end{array}$ $\begin{array}{llll}0.064388 & 0.456206 & 0.24802 & 0.181336\end{array}$ $\begin{array}{llll}0.036547 & 0.420079 & 0.222493 & 0.195849\end{array}$ $\begin{array}{lllll}0.061872 & 0.39398 & 0.2279807 & 0.174905\end{array}$ $0773440379804 \quad 0.2384060185501$ $\begin{array}{llllll}0.098567 & 0.423807 & 0.254163 & 0.150082\end{array}$ $0.0799650 .463494 \quad 0.210790 .273347$ $\begin{array}{llllllll}0.125941 & 0.462248 & 0.281605 & 0.167139\end{array}$

$\begin{array}{llllllll}\text { Ca44 Mn55 Zn66 } & \text { Zn67 } & \text { Zn68 } & \text { Sr86 } & \text { Sr88 } & \text { Ba137 }\end{array}$ $\begin{array}{llllllllll}1000 & 951.8809 & 0.000472 & 0.066472 & 0.035339 & 0.057069 & 2.730254 & 3.252972 & 0.003694 \\ 0.000 & 1125.394 & 0.001214 & 0.062262 & 0.050761 & 0.066287 & 3.153538 & 3.720711 & 0.002157\end{array}$ | 1000 | 8272.4309 | 0.011745 | 0.06626297 | 0.050781 | 0.066287 | 3.153538 | 0.066437 | 3.49748 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 894.2208 & 0.008809 & 0.045705 & 0.045435 & 0.053409 & 3.195475 & 3.520361 & 0.001673\end{array}$ $\begin{array}{llllllllll}1000 & 1196.172 & 0.009453 & 0.056956 & 0.021967 & 0.058739 & 5.108527 & 4.072927 & 0.004028\end{array}$

 $\begin{array}{lllllllllll}1000 & 1015.424 & 0.00658 & 0.057904 & 0.000394 & 0.048907 & 4.108248 & 3.211709 & 0.002902\end{array}$ $\begin{array}{llllllllll}1000 & 953.4733 & 0.000197 & 0.044156 & 0.047832 & 0.06131 & 3.925668 & 4.005544 & 0.003333\end{array}$ $\begin{array}{lllllllll}1000 & 1107.276 & 0.010057 & 0.059699 & 0.051875 & 0.076142 & 4.196812 & 3.698962 & 0.004751 \\ 1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039452 & 3.185524 & 3.263367 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039052 & 3.185524 & 3.2633667 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 838.1201 & 0.003764 & 0.035212 & 0.032305 & 0.047074 & 3.84113 & 3.268843 & 0.001111 \\ 1000 & 947.8219 & 0.007628 & 0.03652 & 0.033167 & 0.042495 & 2.973707 & 2.894111 & 0.003053\end{array}$ $\begin{array}{llllllllllll}1000 & 939.1253 & 0.004274 & 0.039855 & 0.021759 & 0.039266 & 3.290681 & 3.426599 & 0.002062\end{array}$ $\begin{array}{llllllllll}1000 & 990.8375 & 0.003539 & 0.050894 & 0.038741 & 0.049636 & 3.273834 & 3.225031 & 0.004534\end{array}$ $\begin{array}{lllllllllll}1000 & 1039.072 & 0.007752 & 0.068145 & 0.063606 & 0.03552 & 4.165834 & 3.335605 & 0.004109\end{array}$ $\begin{array}{llllllllll}1000 & 973.6845 & 0.006464 & 0.039137 & 0.062032 & 0.039928 & 3.038355 & 3.128238 & 0.002435\end{array}$ $\begin{array}{lllllllll}1000 & 988.1532 & 0.004017 & 0.03546 & 0.036964 & 0.049601 & 3.10776 & 3.036294 & 0.005251\end{array}$ $\begin{array}{llllllllll}1000 & 791.2393 & 0.005467 & 0.027768 & 0.044877 & 0.040568 & 3.253481 & 3.256181 & 0.004531\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1288.02 & 0.010661 & 0.034051 & 0.065232 & 0.020502 & 3.942886 & 3.211692 & 0.009562 \\ 1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539\end{array}$ $\begin{array}{lllllllll}1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539 \\ 1000 & 874.6547 & 0.006293 & 0.038395 & 0.065143 & 0.032661 & 3.779576 & 3.800531 & 0.006849\end{array}$ $\begin{array}{llllllllllll}1000 & 813.2915 & 0.002637 & 0.048345 & 0.063684 & 0.044975 & 2.376965 & 2.619135 & 0.002756\end{array}$ $\begin{array}{lllllllllll}1000 & 863.7948 & 0.00845 & 0.078664 & 0.078354 & 0.071598 & 3.281222 & 3.162489 & 0.003841\end{array}$ $\begin{array}{llllllllllll}1000 & 1092.823 & -0.00016 & 0.090327 & 0.103329 & 0.105717 & 3.728971 & 3.581617 & 0.002709\end{array}$ $\begin{array}{lllllllll}1000 & 1094.188 & 0.003495 & 0.073767 & 0.086995 & 0.084989 & 3.801596 & 4.045545 & 0.009261\end{array}$ $\begin{array}{llllllllll}1000 & 969.9872 & 0.005439 & 0.080255 & 0.054503 & 0.061475 & 2.846943 & 3.156836 & 0.016691\end{array}$ $\begin{array}{lllllllll}1000 & 1004.166 & 0.002931 & 0.080088 & 0.101573 & 0.085763 & 3.453176 & 3.540166 & 0.040678\end{array}$ $\begin{array}{lllllllll}1000 & 898.636 & 0.002932 & 0.088486 & 0.070601 & 0.094927 & 3.047474 & 3.39936 & 0.04539 \\ 1000 & 937.6714 & 0.00867 & 0.084467 & 0.094624 & 0.085575 & 3.413075 & 3.554065 & 0.046439\end{array}$ $\begin{array}{llllllllll}1000 & 1009.745 & 0.009716 & 0.087166 & 0.09835 & 0.076867 & 3.829196 & 3.570973 & 0.063827\end{array}$ $\begin{array}{llllllllll}1000 & 1451.672 & 0.002636 & 0.089023 & 0.059244 & 0.076001 & 4.012703 & 3.429175 & 0.055041\end{array}$ $\begin{array}{llllllllllll}1000 & 947.4987 & 0.007241 & 0.083048 & 0.066248 & 0.079119 & 3.364185 & 3.560657 & 0.050137\end{array}$ $\begin{array}{lllllllll}1000 & 915.0917 & 0.012553 & 0.069763 & 0.031058 & 0.073791 & 3.437191 & 3.490126 & 0.058979\end{array}$ $\begin{array}{llllllllll}1000 & 1145.088 & 0.004697 & 0.070796 & 0.071398 & 0.082256 & 3.132771 & 3.345793 & 0.040727\end{array}$ $\begin{array}{lllllllll}1000 & 972.705 & 0.012894 & 0.074341 & 0.11221 & 0.076753 & 3.451217 & 3.240828 & 0.037346 \\ 1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352 \\ 1000 & 1042.33 & 0.004907 & 0.073958 & 0.103134 & 0.062686 & 3.803777 & 3.897937 & 0.022875\end{array}$ $\begin{array}{lllllllll}1000 & 1062.367 & 0.011058 & 0.066356 & 0.04477 & 0.099023 & 4.045204 & 3.70536 & 0.016849\end{array}$ $\begin{array}{lllllllllll}1000 & 923.2817 & 0.004866 & 0.074117 & 0.07465 & 0.059718 & 3.08433 & 3.020962 & 0.014164\end{array}$ $\begin{array}{llllllllllllll}1000 & 860.2757 & 0.007473 & 0.060675 & 0.074516 & 0.052496 & 3.488818 & 3.520501 & 0.012804\end{array}$ $\begin{array}{llllllllll}1000 & 749.476 & 0.005608 & 0.060766 & 0.051304 & 0.034845 & 2.634693 & 2.910926 & 0.007272\end{array}$ $\begin{array}{lllllllll}1000 & 891.3057 & 0.00787 & 0.072405 & 0.059901 & 0.0415 & 2.786632 & 3.268306 & 0.008651\end{array}$ | 1000 | 941.8271 | 0.007392 | 0.093496 | 0.046279 | 0.06055 | 4.03341 | 3.974286 | 0.006266 |
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| 1000 | 958.3042 | 0.004492 | 0.074719 | 0.038281 | 0.06304 | 3.513881 |  |  | $\begin{array}{llllllllll}1000 & 958.3042 & 0.004492 & 0.074719 & 0.038281 & 0.065304 & 3.519881 & 3.564174 & 0.006874\end{array}$ $\begin{array}{lllllllll}1000 & 1071.578 & 0.005013 & 0.077214 & 0.041172 & 0.091066 & 3.785611 & 3.545129 & 0.004221\end{array}$ $\begin{array}{llllllllll}1000 & 814.1257 & 0.000581 & 0.064182 & 0.074776 & 0.056095 & 3.03215 & 3.393862 & 0.005082\end{array}$ $\begin{array}{lllllllll}1000 & 982.3351 & 0.004408 & 0.075003 & 0.097783 & 0.06291 & 3.667249 & 3.784144 & 0.005147\end{array}$ $\begin{array}{lllllllll}1000 & 1219.838 & 0.0088 & 0.076281 & 0.069258 & 0.083944 & 3.667925 & 3.80834 & 0.008296\end{array}$ $\begin{array}{llllllllll}1000 & 1052.024 & 0.00993 & 0.098466 & 0.072977 & 0.123589 & 3.96565 & 3.669712 & 0.005606\end{array}$ $\begin{array}{lllllllll}1000 & 887.4477 & 0.003827 & 0.094128 & 0.093797 & 0.082602 & 3.36748 & 3.572334 & 0.003376 \\ 1000 & 885.8544 & 0.004056 & 0.077334 & 0.09468 & 0.000252 & 3.358893 & 3.064162 & 0.005986\end{array}$ $\begin{array}{lllllllll}1000 & 885.8544 & 0.004056 & 0.073734 & 0.094686 & 0.090252 & 3.358983 & 3.064162 & 0.005986 \\ 1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241\end{array}$ $\begin{array}{lllllllll}1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241 \\ 1000 & 1005.464 & 0.004205 & 0.074607 & 0.094794 & 0.081233 & 3.114214 & 3.440002 & 0.003489\end{array}$ $\begin{array}{lllllllllll}1000 & 1342.256 & 0.007262 & 0.07879 & 0.080743 & 0.072064 & 3.146068 & 3.008 & 0.002117\end{array}$ $\begin{array}{llllllllll}1000 & 1089.571 & 0.008758 & 0.087828 & 0.054255 & 0.093846 & 3.603448 & 3.582285 & 0.002077\end{array}$ $\begin{array}{lllllllllll}1000 & 1164.891 & 0.009728 & 0.086072 & 0.061609 & 0.113651 & 4.158845 & 3.825655 & 0.002145\end{array}$ $\begin{array}{llllllllll}1000 & 1137.878 & 0.008224 & 0.101288 & 0.067403 & 0.086499 & 3.312141 & 3.70104 & 0.001988\end{array}$

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$\begin{array}{llll}0.118851 & 0.37433 & 0.259692 & 0.214372 \\ 0.170714 & 0.358238 & 0.216677 & 0.219052\end{array}$ $\begin{array}{llll}0.170714 & 0.358238 & 0.216677 & 0.219052 \\ 0.136293 & 0.451017 & 0.294004 & 0.217436\end{array}$ $\begin{array}{lllllll}0.144901 & 0.497665 & 0.222551 & 0.152535\end{array}$ $\begin{array}{lllll}0.179913 & 0.46306 & 0.223666 & 0.250856\end{array}$ $\begin{array}{llllll}0.178273 & 0.400702 & 0.275914 & 0.178043\end{array}$ $\begin{array}{llll}0.160625 & 0.408582 & 0.282087 & 0.188593 \\ 0\end{array}$ $\begin{array}{llll}0.173689 & 0.353839 & 0.173898 & 0.278287\end{array}$ $\begin{array}{llll}0.190814 & 0.390799 & 0.182025 & 0.241513 \\ 0 & 201015 & 0.365881 & 0.25338 \\ 0\end{array}$ $\begin{array}{lllll}0.231876 & 0.464771 & 0.2253877 & 0.182255 \\ 0.204869\end{array}$ $\begin{array}{lllll}0.207273 & 0.490209 & 0.305904 & 0.261771\end{array}$ $\begin{array}{llllll}0.173558 & 0.469886 & 0.215718 & 0.250293\end{array}$ $\begin{array}{lllll}0.164121 & 0.49889 & 0.20852 & 0.205221\end{array}$ $\begin{array}{lllll}0.234856 & 0.365297 & 0.182624 & 0.168479\end{array}$ $\begin{array}{llll}0.167435 & 0.401373 & 0.110809 & 0.187595\end{array}$ $\begin{array}{llll}0.27688 & 0.582093 & 0.193286 & 0.19965 \\ 0.217958 & 0.471522 & 0.174407 & 0.22693\end{array}$ $\begin{array}{llll}0.217988 & 0.471522 & 0.174407 & 0.22693 \\ 0.222884 & 0.459433 & 0.179438 & 0.208157\end{array}$ $\begin{array}{lllll}0.150165 & 0.57902 & 0.174384 & 0.254814\end{array}$ $\begin{array}{lllll}0.203815 & 0.714681 & 0.242645 & 0.218275\end{array}$ $\begin{array}{lllll}0.180368 & 0.446052 & 0.360615 & 0.294283\end{array}$ $\begin{array}{lllll}0.071237 & 0.538947 & 0.277759 & 0.328447\end{array}$ $\begin{array}{llll}0.130598 & 0.69645 & 0.34135 & 0.360065\end{array}$ $\begin{array}{lllll}0.098843 & 0.65377 & 0.676307 & 0.410491\end{array}$ $\begin{array}{llll}0.104922 & 0.943184 & 0.865769 & 0.776322 \\ 0.040938 & 0.691043 & 0.77151 & 0.629973\end{array}$ $\begin{array}{lllll}0.025689 & 0.781073 & 1.208556 & 0.843902\end{array}$ $\begin{array}{llll}0.049064 & 0.684149 & 1.211672 & 0.975762\end{array}$ $\begin{array}{lllll}0.052452 & 0.722255 & 0.966243 & 0.917476\end{array}$ $\begin{array}{llll}0.035855 & 0.712508 & 1.251157 & 1.334088\end{array}$ $\begin{array}{llll}0.004774 & 0.794482 & 1.42477 & 1.33097\end{array}$ $\begin{array}{rrrr}0.01533 & 0.716821 & 1.380249 & 1.019492 \\ 0.008619 & 0.848255 & 1.477547 & 1130183\end{array}$ $\begin{array}{llll}0.008619 & 0.843255 & 1.477547 & 1.130183 \\ 0.057207 & 0.920017 & 1.315637 & 1.513824\end{array}$ $\begin{array}{lllll}0.018025 & 0.740061 & 1.046815 & 1.082261\end{array}$ $\begin{array}{lllll}-0.00059 & 0.744924 & 1.290903 & 1.178212\end{array}$ $0.0074990 .799498 \quad 0.817070 .853003$ $\begin{array}{lllll}0.037226 & 0.697422 & 0.759803 & 0.652097\end{array}$ $\begin{array}{llll}0.036922 & 0.645372 & 0.536409 & 0.59236\end{array}$ $\begin{array}{llll}0.04308 & 0.665748 & 0.5797 & 0.756277\end{array}$ $\begin{array}{llll}0.037874 & 0.715212 & 0.54262 & 0.482653 \\ 0.064756 & 0.455277 & 0.399401 & 0.373305\end{array}$ $\begin{array}{llll}0.10729 & 0.347264 & 0.311457 & 0.361366\end{array}$ $\begin{array}{llll}0.10676 & 0.617127 & 0.512927 & 0.372814\end{array}$ $\begin{array}{llllll}0.12763 & 0.572752 & 0.426613 & 0.378862\end{array}$ $\begin{array}{lllll}0.080305 & 0.518073 & 0.413452 & 0.392405\end{array}$ $\begin{array}{lllll}0.110695 & 0.553277 & 0.404886 & 0.827832\end{array}$ $\begin{array}{lllll}0.066012 & 0.548737 & 0.368205 & 0.38103\end{array}$ $\begin{array}{llll}0.111926 & 0.418364 & 0.369723 & 0.343052 \\ 0\end{array}$ $\begin{array}{llll}0.087696 & 0.413118 & 0.310493 & 0.40318 \\ 0.157165 & 0.474184 & 0.321666 & 0.314178\end{array}$ $\begin{array}{lllll}0.15984 & 0.592124 & 0.298767 & 0.325941\end{array}$ $\begin{array}{llllll}0.118792 & 0.336448 & 0.419941 & 0.479956\end{array}$ $\begin{array}{lllll}0.05874 & 0.456113 & 0.330277 & 0.297012\end{array}$ $\begin{array}{llll}0.072845 & 0.373145 & 0.319667 & 0.274059\end{array}$ $\begin{array}{llllll}0.044833 & 0.366563 & 0.195473 & 0.231454\end{array}$ $\begin{array}{llll}0.066279 & 0.345255 & 0.352563 & 0.268416\end{array}$ $\begin{array}{llll}0.109344 & 0.548296 & 0.326416 & 0.258488 \\ 0.068731 & 0.481528 & 0.456158 & 0.31852\end{array}$ $\begin{array}{llll}0.046675 & 0.442061 & 0.493742 & 0.352075\end{array}$ $\begin{array}{llllll}0.029568 & 0.299152 & 0.259549 & 0.178506\end{array}$ $\begin{array}{lllll}0.058166 & 0.542147 & 0.33527 & 0.29786\end{array}$ $\begin{array}{llll}0.06965 & 0.496335 & 0.389144 & 0.335432\end{array}$

$1000 \quad 905.7420 .0025460 .0988350 .058740 .089986$ 3.429429 3.4926620 .005746 | 1000 | 890.6126 | 0.002877 | 0.086703 | 0.069178 | 0.082464 | 3.526752 | 3.3959981 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.0044067 |  |  |  |  |  |  |
| 1000 | 1073.441 | 0.001675 | 0.082106 | 0.054641 | 0.058455 | 3.507604 | 3.403786 |
| 0 | 0.003647 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1073.441 & 0.001675 & 0.082106 & 0.054641 & 0.058455 & 3.507604 & 3.403786 & 0.003647 \\ 1000 & 929.3177 & 0.004843 & 0.061961 & 0.072055 & 0.079167 & 3.102895 & 3.164053 & 0.00311\end{array}$ $\begin{array}{lllllllll}1000 & 1225.217 & 0.004303 & 0.07071 & 0.090447 & 0.069996 & 3.217689 & 3.264866 & 0.003256\end{array}$ $\begin{array}{llllllllll}1000 & 970.7881 & 0.007138 & 0.09723 & 0.067582 & 0.085619 & 3.421184 & 3.432714 & 0.006105\end{array}$ $\begin{array}{lllllllll}1000 & 947.7764 & 0.00102 & 0.092931 & 0.093504 & 0.102446 & 3.519516 & 3.577147 & 0.002111 \\ 1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.06585 & 3338964 & 3.358839 & 0.00520\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.0658 & 3.338964 & 3.350839 \\ 1000 & 904.7969 & 0.00025206 \\ 100 & 0.06308 & 0.067713 & 0.035117 & 0.052449 & 3.164404 & 3.369318 & 0.002793\end{array}$ | 1000 | 904.7969 | 0.003208 | 0.067713 | 0.035117 | 0.052449 | 3.164404 | 3.369318 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.002793 $\begin{array}{llllllllll}1000 & 1280.452 & 0.001371 & 0.079236 & 0.061353 & 0.059695 & 3.458863 & 3.501312 & 0.001646\end{array}$ $\begin{array}{llllllllll}1000 & 1031.921 & 0.001119 & 0.089958 & 0.096619 & 0.063459 & 3.967561 & 3.67656 & 0.003911\end{array}$ $\begin{array}{lllllllllll}1000 & 899.5557 & -0.00403 & 0.066704 & 0.049284 & 0.054816 & 3.018213 & 3.1865 & 0.002319\end{array}$ $\begin{array}{llllllllllllll}1000 & 946.1591 & 0.00817 & 0.087604 & 0.104637 & 0.051187 & 3.701981 & 3.581155 & 0.002743\end{array}$ $1000993.24640 .0011930 .0850390 .0437290 .0715763 .201924 \begin{array}{llllll}3.072473 & 0.004841\end{array}$ $\begin{array}{lllllllll}1000 & 829.7013 & 0.003745 & 0.065475 & 0.089444 & 0.061567 & 3.417848 & 3.364582 & 0.004294\end{array}$ $\begin{array}{lllllllll}1000 & 1399.821 & 0.003509 & 0.064642 & 0.067814 & 0.049206 & 3.851482 & 3.486635 & 0.007043 \\ 1000 & 1062.504 & 0.03156 & 0.075391 & 0.05437 & 0.062787 & 3.341506 & 3580388 & 0.003513\end{array}$ $\begin{array}{lllllllll}1000 & 1062.504 & 0.003156 & 0.073391 & 0.05437 & 0.062787 & 3.341506 & 3.580388 & 0.003513 \\ 1000 & 1288.647 & 0.001885 & 0.064578 & 0.044822 & 0.063408 & 3.439779 & 3.511351 & 0.004105\end{array}$ $\begin{array}{llllllllll}1000 & 958.7214 & 0.002609 & 0.057147 & 0.06394 & 0.059327 & 3.709795 & 3.428895 & 0.006255\end{array}$ $\begin{array}{lllllllllll}1000 & 1326.65 & 0.001774 & 0.051449 & 0.040624 & 0.039714 & 3.54729 & 4.085923 & 0.004247\end{array}$ $\begin{array}{llllllllll}1000 & 922.5494 & 0.008058 & 0.062168 & 0.050684 & 0.054205 & 4.225361 & 3.607393 & 0.003142\end{array}$ $\begin{array}{lllllllll}1000 & 926.0248 & 0.004348 & 0.052341 & 0.014006 & 0.042347 & 2.858641 & 2.99682 & 0.002972\end{array}$ $\begin{array}{lllllllll}1000 & 10944.093 & 0.004463 & 0.054263 & 0.093812 & 0.054794 & 3.424035 & 3.397338 & 0.001542\end{array}$ $\begin{array}{lllllllll}1000 & 1142.049 & 0.001762 & 0.057779 & 0.017504 & 0.039449 & 3.790318 & 3.588461 & 0.001696 \\ 1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361\end{array}$ $\begin{array}{lllllllll}1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361 \\ 1000 & 920.2568 & 0.0077 & 0.034261 & 0.033104 & 0.040039 & 3.735436 & 3.415903 & 0.007889\end{array}$ $\begin{array}{lllllllll}1000 & 1052.672 & 0.010716 & 0.057902 & 0.060937 & 0.052204 & 4.032544 & 4.654298 & 0.004371\end{array}$ $\begin{array}{lllllllll}1000 & 1058.219 & 0.001879 & 0.035675 & 0.034252 & 0.030765 & 4.590401 & 4.726898 & 0.0032303\end{array}$ $\begin{array}{llllllllll}1000 & 1252.312 & 0.003046 & 0.04192 & 0.000398 & 0.024161 & 4.136815 & 3.775635 & 0.002383\end{array}$ $\begin{array}{lllllllllll}1000 & 1203.704 & 0.006028 & 0.042508 & 0.013982 & 0.025003 & 3.896073 & 4.005617 & 0.003806\end{array}$ $\begin{array}{lllllllll}1000 & 11101.566 & -0.002205 & 0.035857 & 0.023016 & 0.0164661 & 4.863489 & 4.798971 & 0.00223 \\ 1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.00331\end{array}$ $\begin{array}{llllllllll}1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.003318\end{array}$ $\begin{array}{lllllllll}1000 & 1058.409 & 0.009446 & 0.052058 & 0.050708 & 0.050175 & 4.652786 & 4.801299 & 0.000756 \\ 1000 & 1183.255 & 0.010478 & 0.043883 & 0.012169 & 0.050827 & 4.573784 & 4.355595 & 0.000188\end{array}$ $\begin{array}{llllllllllll}1000 & 803.8904 & 0.009577 & 0.037524 & 0.040648 & 0.053182 & 4.120374 & 4.371965 & 0.0001496\end{array}$ $\begin{array}{lllllllll}1000 & 1037.693 & 0.001658 & 0.066333 & 0.000384 & 0.057836 & 5.041496 & 4.693602 & 0.003352\end{array}$ $\begin{array}{llllllllll}1000 & 925.5876 & 0.006262 & 0.053149 & 0.037427 & 0.054935 & 3.407574 & 3.769117 & 0.002198\end{array}$ $\begin{array}{llllllllll}1000 & 843.6636 & 0.006927 & 0.055849 & 0.07241 & 0.063077 & 3.607112 & 3.68253 & 0.001427\end{array}$ $\begin{array}{lllllllll}1000 & 805.7752 & 0.008382 & 0.066314 & 0.031675 & 0.056916 & 3.140758 & 3.685913 & 0.001727\end{array}$ $\begin{array}{lllllllll}1000 & 872.5966 & 0.003589 & 0.07632 & 0.056564 & 0.068877 & 3.25273 & 3.405482 & 0.00511 \\ 1000 & 1094.094 & 0.014232 & 0.07559 & 0.093232 & 0.07731 & 3.735111 & 3.52045 & 0.00558\end{array}$ $\begin{array}{lllllllll}1000 & 1094.094 & 0.014232 & 0.075594 & 0.093232 & 0.067318 & 3.735111 & 3.52045 & 0.000588 \\ 1000 & 1136.891 & 0.006728 & 0.070606 & 0.093671 & 0.066265 & 3.353711 & 3.772757 & 0.002211\end{array}$ $\begin{array}{llllllllll}1000 & 643.5551 & 0.003235 & 0.064861 & 0.045898 & 0.053631 & 2.466275 & 2.753502 & 0.004146\end{array}$ $\begin{array}{llllllllll}1000 & 1007.207 & 0.009489 & 0.104798 & 0.101768 & 0.092928 & 3.365738 & 3.481152 & 0.002528\end{array}$ $\begin{array}{llllllllll}1000 & 981.4423 & 0.005573 & 0.081417 & 0.066412 & 0.076956 & 3.78825 & 3.615239 & 0.000662\end{array}$ $\begin{array}{llllllllllllll}1000 & 902.3315 & 0.002563 & 0.070003 & 0.091977 & 0.076141 & 3.140902 & 2.804534 & 0.003079\end{array}$ $\begin{array}{lllllllll}1000 & 932.0316 & 0.00459 & 0.102028 & 0.060143 & 0.110296 & 3.21881 & 3.759883 & 0.005003\end{array}$ $\begin{array}{rrrrrrrr}1000 & 860.124 & 0.007311 & 0.09571 & 0.075124 & 0.071388 & 3.570918 & 3.45387 \\ 1000 & 1039.437 & 0.0001884 & 0.095932 & 0.059 & 0.050909 & 0.07152 & 3.058191\end{array}$ $\begin{array}{lllllllll}1000 & 1039.437 & 0.001884 & 0.095799 & 0.030909 & 0.071252 & 3.958191 & 3.569328 & 0.0073666 \\ 1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774\end{array}$ $\begin{array}{lllllllll}1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774 \\ 1000 & 828.783 & 0.001097 & 0.075206 & 0.057932 & 0.068643 & 3.481892 & 3.233353 & 0.014633\end{array}$ $\begin{array}{llllllll}1000 & 128.7821 & 0.0056 & 0.047063 & 0.025682 & 0.089367 & 3.603593 & 4.031645 \\ 1000 & 1247.822 & 0.017631\end{array}$ $\begin{array}{lllllllllll}1000 & 1013.95 & 0.008459 & 0.059136 & 0.050498 & 0.052941 & 4.676865 & 4.152523 & 0.031187\end{array}$ $\begin{array}{lllllllll}1000 & 898.0917 & 0.008767 & 0.065534 & 0.079227 & 0.060491 & 4.655381 & 4.30596 & 0.021502\end{array}$ $\begin{array}{lllllllll}1000 & 1083.251 & 0.004121 & 0.062631 & 0.060933 & 0.056853 & 4.164407 & 3.759606 & 0.019272\end{array}$ $\begin{array}{llllllllllll}1000 & 823.1413 & 0.005656 & 0.049786 & 0.02715 & 0.044668 & 3.361296 & 3.02752 & 0.018793\end{array}$ $\begin{array}{lllllllllll}1000 & 844.7162 & 0.008494 & 0.053126 & 0.057647 & 0.057584 & 3.7277777 & 3.990325 & 0.021677\end{array}$ $\begin{array}{lllllllll}1000 & 1355.153 & 0.006074 & 0.072735 & 0.083726 & 0.059459 & 4.642025 & 4.456776 & 0.010294\end{array}$ $\begin{array}{lllllllll}1000 & 1038.849 & 0.006568 & 0.063042 & 0.051207 & 0.05379 & 3.845864 & 3.856597 & 0.014046 \\ 1000 & 916.6377 & 0.003637 & 0.04579 & 0.074328 & 0.059461 & 4.432084 & 3.905216 & 0.00713\end{array}$ $\begin{array}{llllllllllll}1000 & 958.7189 & 0.005053 & 0.044903 & 0.023287 & 0.041139 & 2.777737 & 3.01019 & 0.004182\end{array}$ $\begin{array}{llllllllll}1000 & 1016.01 & 0.008067 & 0.068378 & 0.033805 & 0.061769 & 4.005572 & 4.108602 & 0.00607\end{array}$ $\begin{array}{llllllllllll}1000 & 1038.673 & 0.009541 & 0.065047 & 0.050537 & 0.060513 & 4.812117 & 4.194778 & 0.004595\end{array}$


| 10.912 | 103.01 | 166.03 | 117.04 | 195.12 | 8016.69 | 139670.9 | 162.03 | 79.01 | 8 | 96.01 | 5248.14 | 48187.35 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.2458 | 170.03 | 148.02 | 111.04 | 140.06 | 6881.4 | 120978 | 176.03 | 84.01 | 23 | 75.01 | 5330.09 | 39947.81 |  |
| 111.5797 | 94.01 | 189.04 | 113.04 | 160.08 | 8205.11 | 106905.4 | 160.03 | 74.01 | 18 | 81.01 | 5260.28 | 44469.92 |  |
| 111.914 | 121.02 | 172.03 | 177.1 | 179.1 | . 25 | 159670.2 | 166.03 | 98.01 | 15 | 85.01 | 83 | 45544.06 |  |
| 112.2478 | 133.02 | 207.04 | 116.04 | 85.11 | 8164.04 | 158706.1 | 174.03 | 102.01 | 14 | 101.01 | 4946.79 | 43993.6 |  |
| 112.5816 | 134.02 | 191.04 | 124.05 | 185.11 | 7731.85 | 119433.4 | 153.03 | 106.01 | 14 | 111.01 | 5412.05 | 46783.14 |  |
| 112.916 | 114.01 | 136.02 | 158.08 | 170.09 | 7007.84 | 118180.9 | 167.03 | 114.01 | 18 | 97.01 | 5228.92 | 44937.84 |  |
| 113.2498 | 78.01 | 171.03 | 117.04 | 187.11 | 9133.6 | 118618.3 | 178.03 | 119.02 | 18 | 92.01 | 4896.25 | 41111.18 |  |
| 113.5836 | 115.01 | 139.02 | 123.05 | 188.11 | 7892.6 | 122290.1 | 180.03 | 110.01 | 9 | 136.02 | 5390.8 | 40042.64 |  |
| 113.91 | 123.02 | 147.02 | 210.14 | 2.08 | 1.7 | 118876 | 185.04 | 129.02 | 13 | 159. | 16.3 | 40847. |  |
| 114.2518 | 118.01 | 139.02 | 153.07 | 182.1 | 9307.43 | 139822.4 | 188.0 | 141.02 | 6 | 136.0 | 4735.56 | 44018.9 |  |
| 114.585 | 119.01 | 158. | 146.07 | 179.1 | 6828.13 | 145393.7 | 145.02 | 159.03 | 8 | 121.02 | 5093.4 | 40110.25 |  |
| 114.9199 | 91.01 | 154.02 | 149.07 | 203.13 | 7781.21 | 135404.5 | 138.02 | 160.03 | 12 | 146.02 | 5156.1 | 47129.38 |  |
| 115.2538 | 108.01 | 136.02 | 135.06 | 189.11 | 7296.63 | 145341.8 | 140.02 | 170.03 | 24 | 122.02 | 4953.87 | 42777.16 |  |
| 115.5876 | 123.02 | 158.03 | 37.06 | 215.15 | 6975.44 | 146561.6 | 163.03 | 156.03 | 26 | 121.02 | 4714.34 | 42006.93 |  |
| 115.9219 | 116.0 | 155.0 | 167.09 | 205.13 | 7208.68 | 135788.7 | 171.03 | 110.01 | 21 | 136.02 | 5828.15 | 41200.78 |  |
| 116.2557 | 110.01 | 129.02 | 156.08 | 185.11 | 8624.85 | 119387.1 | 147.02 | 99.01 | 16 | 95.01 | 4571.89 | 41538.61 |  |
| 116.5896 | 97.01 | 130.02 | 167.09 | 192.12 | 6944.08 | 135200.2 | 169.03 | 120.02 | 22 | 100.01 | 5456.58 | 40771.47 |  |
| 116.9249 | 153.02 | 154.02 | 143.06 | 173.09 | 6931.55 | 105899.4 | 213.05 | 117.01 | 16 | 127.02 | 4679.98 | 45478.98 |  |
| 117.2588 | 118.01 | 123.02 | 163.08 | 217.15 | 7627.92 | 137938.6 | 167.03 | 142.02 | 15 | 129.02 | 5045.87 | 45042.49 |  |
| 117.5926 | 131.02 | 163.03 | 145.07 | 33.17 | 8341.04 | 147298.6 | 142.02 | 137.02 | 17 | 125.02 | 5209.7 | 38158.14 |  |
| 117.9269 | 123.02 | 138.02 | 166.09 | 188.11 | 8837.25 | 115959.1 | 146.02 | 149.02 | 20 | 150.02 | 4653.72 | 41348.36 |  |
| 118.2607 | 125.02 | 125.02 | 180.1 | 179.1 | 7071.62 | 118152.5 | 174.03 | 115.01 | 21 | 94.01 | 4753.74 | 40639.38 |  |
| 118.5946 | 143.02 | 144.02 | 136.06 | 199.13 | 7014.11 | 130211.8 | 170.03 | 120.02 | 26 | 152.03 | 4791.13 | 41305.71 |  |
| 118.9289 | 141.02 | 154.02 | 149.07 | 170.09 | 7956.73 | 123459.2 | 175.03 | 134.02 | 27 | 145.02 | 4621.39 | 45100.88 |  |
| 119.2627 | 1.02 | 130.02 | 178.1 | 0.07 | 8169.3 | 206000.9 | 75.03 | 158.03 | 11 | 149.02 | 5609.42 | 41980.66 |  |
| 119.5965 | 189.04 | 125.02 | 128.05 | 229.17 | 7695.1 | 134846 | 160.03 | 171.03 | 29 | 140.02 | 4966 | 47544.54 |  |
| 119.9309 | 181.03 | 119.01 | 128.05 | 209.14 | 7309.2 | 128876.8 | 164.03 | 152.03 | 33 | 143.02 | 5401.93 | 47834.79 |  |
| 120.2647 | 208.05 | 123.02 | 140.06 | 218.15 | 8219.85 | 127136.3 | 166.03 | 135.02 | 25 | 121.02 | 5782.57 | 43207.19 |  |
| 120.5985 | 207.04 | 131.02 | 133.06 | 173.09 | 6758.19 | 134596.4 | 146.02 | 119.02 | 18 | 137.02 | 5258.26 | 43263.17 |  |
| 120.9329 | 209.05 | 142.02 | 128.05 | 196.12 | 7746.55 | 138418.3 | 157.03 | 127.02 | 22 | 145.0 | 4756.7 | 42489.96 |  |
| 121.2667 | 224.05 | 153.02 | 167.09 | 5.28 | 7624.77 | 122400.2 | 79.03 | 44.02 | 27 | 151.0 | 5214.7 | 48129.68 |  |
| 121.6005 | 227.05 | 106.01 | 183.11 | 186.11 | 8657.59 | 121692 | 154.03 | 157.03 | 23 | 166.03 | 5476.82 | 43681.56 |  |
| 121.9348 | 169.03 | 166.03 | 158.08 | 211.14 | 8722.03 | 145593.1 | 140.02 | 178.03 | 19 | 177.03 | 5769.41 | 45257.38 |  |
| 122.2687 | 169.03 | 138.02 | 168.09 | 204.13 | 8280.96 | 146165.6 | 169.03 | 224.05 | 27 | 190.04 | 6717.3 | 49203.21 |  |
| 122.6025 | 212.05 | 136.02 | 176.1 | 195.12 | 8124.03 | 149994.3 | 159.03 | 215.05 | 44 | 204.05 | 5299.74 | 43068.93 |  |
| 122.9368 | 155.03 | 128.02 | 174.1 | 254.2 | 7907.32 | 132814.5 | 181.0 | 225.05 | 33 | 196. | 5112.61 | 47200.21 |  |
| 123.2707 | 164.03 | 155.03 | 126.05 | 34.17 | 8534.06 | 124005.4 | 167.03 | 209.05 | 27 | 188.0 | 5854.49 | 40740.9 |  |
| 123.605 | 108.01 | 130.02 | 199.13 | 227.16 | 7849.5 | 113768.8 | 196.04 | 282.09 | 31 | 207.05 | 5998.34 | 48019.91 |  |
| 123.9388 | 134.02 | 163.03 | 188.11 | 275.24 | 8137.72 | 131651.1 | 239.06 | 239.06 | 45 | 210.05 | 5678.27 | 44916.91 |  |
| 124.2726 | 149.02 | 140.02 | 142.06 | 207.14 | 8393.75 | 125694.7 | 195.04 | 208.05 | 44 | 169.03 | 5542.61 | 49649.09 |  |
| 124.607 | 129.02 | 139.02 | 200.13 | 203.13 | 9153.73 | 170036.9 | 226.06 | 209.05 | 40 | 185.04 | 5099.46 | 43419.06 |  |
| 124.9418 | 117.01 | 154.02 | 199.13 | 248.19 | 8132.45 | 134296.6 | 236.06 | 201.04 | 39 | 190.0 | 5481.88 | 45281.63 |  |
| 125.2757 | 148.02 | 130.02 | 218.15 | 270.23 | 7857.9 | 113314.9 | 255.07 | 221.05 | 29 | 183.04 | 5401.93 | 47630.93 |  |
| 125.61 | 146.02 | 137.02 | 177.1 | 292.27 | 7630.01 | 130716.1 | 215.05 | 202.04 | 35 | 180.04 | 5585.13 | 44630.61 |  |
| 125.9438 | 118.01 | 165.03 | 219.15 | 204.13 | 7383.58 | 128576 | 236.06 | 214.05 | 50 | 157.03 | 5782.57 | 49154.3 |  |
| 126.2776 | 142.02 | 123.02 | 190.11 | 215.15 | 6528.72 | 126516.8 | 216.05 | 183.04 | 21 | 165.03 | 5682.32 | 40495.3 |  |
| 126.612 | 136.02 | 144.02 | 126.05 | 206.13 | 7564.96 | 111027 | 228.06 | 160.03 | 36 | 169.03 | 5253.2 | 46077.06 |  |
| 126.9458 | 114.01 | 150.02 | 145.07 | 263.22 | 8211.43 | 135761 | 247.07 | 184.04 | 20 | 167.03 | 5037.78 | 42595.16 |  |
| 127.2796 | 125.02 | 147.02 | 185.11 | 227.16 | 9413.51 | 119914.5 | 213.05 | 157.03 | 23 | 155.03 | 5247.13 | 43167.68 |  |
| 127.614 | 135.02 | 149.02 | 161.08 | 262.22 | 7821.13 | 136845.4 | 219.05 | 138.02 | 28 | 160.03 | 5701.56 | 46422.79 |  |
| 127.9478 | 125.02 | 133.02 | 165.09 | 191.12 | 7218.1 | 135168.7 | 255.07 | 143.02 | 27 | 145.02 | 5144.97 | 45565.01 |  |
| 128.2816 | 146.02 | 146.02 | 143.06 | 198.12 | 7447.51 | 141243.3 | 201.04 | 125.02 | 36 | 122.02 | 5229.93 | 41493.77 |  |
| 128.6159 | 160.03 | 119.01 | 194.12 | 174.1 | 7100.91 | 148006.7 | 187.04 | 151.02 | 27 | 142.02 | 4885.13 | 43501.41 |  |
| 128.9498 | 144.02 | 142.02 | 158.08 | 282.25 | 8255.67 | 129921.3 | 177.03 | 157.03 | 24 | 121.02 | 4832.57 | 38475.32 |  |
| 129.2836 | 158.03 | 92.01 | 111.04 | 190.11 | 7337.48 | 135638.7 | 174.03 | 177.03 | 26 | 126.02 | 4831.56 | 43278.54 |  |
| 129.6179 | 118.01 | 177.03 | 138.06 | 174.1 | 7180.42 | 113730.3 | 200.04 | 170.03 | 28 | 128.02 | 5039.8 | 42904.38 |  |
| 129.9517 | 132.02 | 132.02 | 166.09 | 216.15 | 7365.77 | 111272.6 | 160.03 | 163.03 | 23 | 170.03 | 4822.46 | 41918.2 |  |
| 130.2856 | 149.02 | 139.02 | 150.07 | 8.12 | 7538.74 | 111044.7 | 173.03 | 161.03 | 23 | 151.02 | 4991.27 | 47995.52 |  |
| 130.6199 | 99.01 | 146.02 | 175.1 | 202.13 | 7203.45 | 123824.4 | 162.03 | 163.03 | 23 | 108.01 | 4909.39 | 44482.02 |  |
| 130.9537 | 114.01 | 126.02 | 141.06 | 180.1 | 7384.63 | 111506.3 | 183.04 | 146.02 | 11 | 105.01 | 4980.15 | 41936.87 |  |
| 131.2876 | 99.01 | 155.03 | 130.05 | 176.1 | 9568.53 | 132619.8 | 157.03 | 102.01 | 15 | 123.02 | 5073.17 | 41740.98 |  |
| 131.6219 | 99.01 | 126.02 | 109.04 | 179.1 | 8648.09 | 138957.8 | 171.03 | 111.01 | 10 | 108.01 | 5136.88 | 43933.2 |  |
| 131.9557 | 111.01 | 131.02 | 124.05 | 146.07 | 7815.8 | 113781 | 161.03 | 89.01 | 12 | 94.01 | 6895.95 | 47109.46 |  |

$0.0536820 .360345 \quad 0.3086690 .368069$ $\begin{array}{llll}0.145371 & 0.367326 & 0.340874 & 0.288409\end{array}$ $\begin{array}{llllll}0.043121 & 0.408302 & 0.291106 & 0.284683\end{array}$ $\begin{array}{llllll}0.075184 & 0.38771 & 0.485077 & 0.343968\end{array}$ $\begin{array}{lllll}0.083974 & 0.454568 & 0.300465 & 0.339911 \\ 0.089769 & 0.438487 & 0.339521 & 0.358915\end{array}$ $\begin{array}{llll}0.089769 & 0.438487 & 0.339521 & 0.358915 \\ 0.074762 & 0.326358 & 0.478932 & 0.358397\end{array}$ $\begin{array}{lllll}0.023839 & 0.3227248 & 0.478932 & 0.350916 & 0.307663\end{array}$ $\begin{array}{llllll}0.067457 & 0.297387 & 0.329882 & 0.358273\end{array}$ $\begin{array}{llllll}0.06949 & 0.290165 & 0.517778 & 0.274356\end{array}$
 $\begin{array}{llllll}0.042192 & 0.340302 & 0.406444 & 0.397273\end{array}$ $\begin{array}{llllllll}0.064809 & 0.313438 & 0.392194 & 0.389948\end{array}$ $\begin{array}{llllllll}0.086095 & 0.39115 & 0.416417 & 0.473413\end{array}$ $\begin{array}{lllll}0.075038 & 0.370146 & 0.492437 & 0.433701\end{array}$ $\begin{array}{llll}0.056798 & 0.248885 & 0.38414 & 0.321746 \\ & 054628 & 0.312029 & 0.511206\end{array}$ $\begin{array}{llll}0.054628 & 0.312029 & 0.511206 & 0.417356 \\ 0.123449 & 0.382026 & 0.437651 & 0.369937\end{array}$ $\begin{array}{llllllll}0.073143 & 0.265647 & 0.454072 & 0.437509\end{array}$ $\begin{array}{lllll}0.080153 & 0.339117 & 0.368857 & 0.433796\end{array}$ $\begin{array}{llllll}0.067953 & 0.263323 & 0.399239 & 0.319968\end{array}$ $0.0873290 .2922210 .541509 \quad 0.37752$ $\begin{array}{lllll}0.10987 & 0.348939 & 0.411058 & 0.430725\end{array}$ 0.0947130 .3327930 .3974770 .315646 $\begin{array}{lllll}0.102539 & 0.265221 & 0.46347 & 0.264431 \\ 0.151005 & 0.268539 & 0.35231 & 0.461097\end{array}$ $0.14966 \quad 0.266232 \quad 0.370915 \quad 0.437362$ $\begin{array}{lllll}0.161031 & 0.246513 & 0.361202 & 0.408131\end{array}$ $\begin{array}{lllll}0.194597 & 0.323581 & 0.417091 & 0.379429\end{array}$ $\begin{array}{llllll}0.17197 & 0.310761 & 0.349969 & 0.383172\end{array}$ $\begin{array}{llll}0.191448 & 0.344655 & 0.465558 & 0.617488\end{array}$ $\begin{array}{lllll}0.171551 & 0.194649 & 0.449759 & 0.322556\end{array}$ $\begin{array}{llll}0.113712 & 0.331198 & 0.384785 & 0.370525 \\ 0.11977 & 0.281016 & 0.431253 & 0.375411\end{array}$ $\begin{array}{llllll}0.167118 & 0.281509 & 0.460767 & 0.363205\end{array}$ $\begin{array}{llllll}0.110373 & 0.268938 & 0.467964 & 0.504261\end{array}$ $\begin{array}{llllllll}0.111235 & 0.312648 & 0.312633 & 0.426038\end{array}$ $\begin{array}{llllllll}0.060243 & 0.276029 & 0.539916 & 0.447532\end{array}$ $\begin{array}{llll}0.085291 & 0.347592 & 0.491697 & 0.535347\end{array}$ $\begin{array}{llll}0.097887 & 0.282017 & 0.358836 & 0.376658\end{array}$ $\begin{array}{llll}0.071177 & 0.256408 & 0.46532 & 0.337694\end{array}$ $01034810275733 \quad 0591338 \quad 0.543227$ $\begin{array}{lllll}0.104343 & 0.302368 & 0.493423 & 0.610142\end{array}$ $\begin{array}{llllll}0.075564 & 0.388534 & 0.632245 & 0.421049\end{array}$ 0.1167380 .3103840 .6194910 .005814 $\begin{array}{lllllllll}0.093999 & 0.323524 & 0.352692 & 0.41559\end{array}$ $\begin{array}{llll}0.063801 & 0.3127 & 0.37468 & 0.504856\end{array}$ $\begin{array}{llll}0.065599 & 0.266371 & 0.4182 & 0.373162\end{array}$ 0.085320 .3257450 .4373590 .527812 $\begin{array}{lllll}106901 & 0.334013 & 0.407324 & 0.403274\end{array}$ $\begin{array}{lllll}0.1289 & 0.274043 & 0.581692 & 0.363607\end{array}$ 0.0943740 .2915930 .4065270 .542596 $\begin{array}{llllllllll} & 0.122424 & 0.191416 & 0.319681 & 0.390167\end{array}$ $\begin{array}{lllll}0.077702 & 0.433043 & 0.407519 & 0.35958\end{array}$ $\begin{array}{lllll}0.091923 & 0.299606 & 0.479016 & 0.450701\end{array}$ $\begin{array}{lllll}0.45991 & 0.31135 & 0.42237 & 0.398392\end{array}$ $\begin{array}{lllllll}0.070947 & 0.282547 & 0.404974 & 0.363891\end{array}$ $\begin{array}{llllll}0.041419 & 0.278841 & 0.287808 & 0.273487\end{array}$ $\begin{array}{llllll}0.045829 & 0.24126 & 0.266255 & 0.308687\end{array}$ $\begin{array}{llllll}0.063767 & 0.279782 & 0.335869 & 0.267411\end{array}$

$\begin{array}{llllllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786\end{array}$ $\begin{array}{lllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786 \\ 1000 & 1030.703 & 0.005724 & 0.069542 & 0.111281 & 0.046729 & 4.411835 & 3.945086 & 0.005952 \\ 100 & 763.7365 & 0.00273 & 0.051261 & 0.072176 & 0.04627 & 3.550583 & 3.38027 & 0.00686\end{array}$ $\begin{array}{lllllllll}1000 & 1206.393 & 0.003706 & 0.0572105 & 0.072176 & 0.044628 & 0.6505058 & 3.683027 & 0.00686 \\ 10.051013 & 3.829933 & 3.987757 & 0.004487\end{array}$ $\begin{array}{lllllllll}1000 & 1139.93 & 0.004564 & 0.071385 & 0.055535 & 0.051013 & 0.82639933 & 3.987757 & 0.004487 \\ 10.446269 & 3.661917 & 0.003515\end{array}$ $\begin{array}{llllllll}1000 & 905.5828 & 0.001935 & 0.078373 & 0.05864 & 0.076215 & 3.987927 & 4.11183 \\ 0.002918\end{array}$ $\begin{array}{lllllllll}1000 & 988.6773 & 0.004257 & 0.093085 & 0.08451 & 0.069234 & 4.248488 & 4.3578 & 0.006282 \\ 1000 & 7613368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 761.3368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 908.375 & 0.005528 & 0.079712 & 0.03546 & 0.098228 & 3.891071 & 3.447692 & 0.011792\end{array}$ $\begin{array}{lllllllll}1000 & 886.428 & 0.005664 & 0.085542 & 0.048449 & 0.109513 & 3.101087 & 3.212075 & 0.007577 \\ 1080.8056 & 0.005601 & 0.08689 & 0.018883 & 0.083294 & 2.891213 & 3.21382 & 0.0044\end{array}$ $\begin{array}{lllllllll}1000 & 1248.595 & 0.000946 & 0.133727 & 0.086735 & 0.097208 & 4.245227 & 3.992039 & 0.006896\end{array}$ $\begin{array}{llllllllll}1000 & 1020.289 & -0.00013 & 0.118088 & 0.049348 & 0.109192 & 3.771862 & 4.11598 & 0.005264\end{array}$ $\begin{array}{llllllllllll}1000 & 1167.989 & 0.000158 & 0.133871 & 0.109703 & 0.091984 & 3.861684 & 3.984044 & 0.003093\end{array}$ $\begin{array}{llllllllll}1000 & 1232.046 & 0.003667 & 0.128411 & 0.124706 & 0.095154 & 3.840393 & 4.092499 & 0.004114\end{array}$ $\begin{array}{lllllllll}1000 & 1104.47 & 0.004727 & 0.087276 & 0.096598 & 0.10755 & 4.612181 & 3.884053 & 0.005682 \\ 1000 & 811.466 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.01025 & 327279 & 0.003682\end{array}$ $\begin{array}{lllllllll}1000 & 811.486 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.010025 & 3.27279 & 0.003682 \\ 1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574\end{array}$ $\begin{array}{lllllllll}1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574 \\ 1000 & 895.5792 & 0.011353 & 0.096616 & 0.075427 & 0.102195 & 3.835968 & 4.45883 & 0.006351\end{array}$ $\begin{array}{llllllllll}1000 & 1060.293 & 0.00391 & 0.106786 & 0.063989 & 0.094813 & 3.763873 & 4.012791 & 0.006575\end{array}$ $\begin{array}{llllllllll}1000 & 1035.477 & 0.000392 & 0.094182 & 0.066839 & 0.083139 & 3.555916 & 3.108759 & 0.00785\end{array}$ $\begin{array}{lllllllllll}1000 & 769.2149 & 0.000851 & 0.096758 & 0.074866 & 0.099507 & 2.991364 & 3.179485 & 0.007409\end{array}$ $\begin{array}{lllllllll}1000 & 979.5221 & 0.005269 & 0.093064 & 0.098471 & 0.065454 & 3.82046 & 3.9054 & 0.005792\end{array}$ | 1000 | 1088.455 | 0.004707 | 0.097965 | 0.124019 | 0.12751 | 3.882708 | 4.00199 | 0.007588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 909.675 & 0.004816 & 0.096548 & 0.1113685 & 0.105878 & 3.29891 & 3.851913 & 0.005148\end{array}$ $\begin{array}{lllllllll}1000 & 1478.939 & 0.004691 & 0.111059 & 0.042755 & 0.106735 & 3.914445 & 3.492105 & 0.00689 \\ 1000 & 1027.449 & 0.00291 & 0.12769 & 0.126571 & 0.104616 & 3.670812 & 4.198713 & 0.008908\end{array}$ $\begin{array}{lllllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 & 0.004765\end{array}$ $\begin{array}{llllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 \\ 1000 & 906.8016 & 0.0035 & 0.094162 & 0.101601 & 0.080746 & 4.012529 & 3.572027 \\ 0.007593\end{array}$ $\left.\begin{array}{llllllll}1000 & 1167.758 & 0.001113 & 0.100818 & 0.087633 & 0.08115821 & 4.430648 & 4.350418\end{array}\right) .0005607$ $\begin{array}{lllllllll}1000 & 1047.686 & 0.00248 & 0.093934 & 0.09437 & 0.108721 & 3.489795 & 3.727402 & 0.0054496\end{array}$ $\begin{array}{lllllllll}1000 & 941.1382 & 0.005583 & 0.108349 & 0.118635 & 0.11631 & 3.893886 & 4.289603 & 0.0097994 \\ 1000 & 824.0397 & 0.001851 & 0.104125 & 0.088446 & 0.115325 & 3.60483 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 824.0397 & 0.001851 & 0.104125 & 0.0888446 & 0.115325 & 3.604803 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 978.7613 & 0.000132 & 0.117302 & 0.071876 & 0.123852 & 3.772706 & 3.526057 & 0.00575 \\ 1000 & 1034.962 & 0.003858 & 0.155741 & 0.109233 & 0.142134 & 4.637519 & 4.037715 & 0.006427\end{array}$ $\begin{array}{llllllllll}1000 & 1082.615 & 0.002626 & 0.152333 & 0.183965 & 0.157705 & 3.715198 & 3.602601 & 0.006928\end{array}$ $\begin{array}{lllllllllll}1000 & 984.7912 & 0.005653 & 0.163834 & 0.140729 & 0.154494 & 3.679797 & 4.056408 & 0.007893\end{array}$ $\begin{array}{llllllllll}1000 & 851.878 & 0.003495 & 0.14094 & 0.105992 & 0.136175 & 3.913636 & 3.244094 & 0.011265\end{array}$ $\begin{array}{lllllllll}1000 & 849.6564 & 0.007724 & 0.207133 & 0.132923 & 0.166064 & 4.361304 & 4.157261 & 0.0142\end{array}$ $\begin{array}{lllllllll}1000 & 948.5133 & 0.013063 & 0.169167 & 0.18792 & 0.162923 & 3.978705 & 3.750861 & 0.010683\end{array}$ $\begin{array}{llllllllll}1000 & 877.9314 & 0.007097 & 0.142606 & 0.178052 & 0.121609 & 3.763591 & 4.019546 & 0.009999\end{array}$ $\begin{array}{lllllllll}1000 & 1089.298 & 0.010105 & 0.131397 & 0.148102 & 0.124517 & 3.170311 & 3.223259 & 0.011841 \\ 1000 & 968.2181 & 0.01268 & 0.142196 & 0.162437 & 0.14473 & 3.841237 & 3.783769 & 0.012952\end{array}$ $\begin{array}{lllllllllll}1000 & 845.25571 & 0.015692 & 0.161916 & 0.123948 & 0.143163 & 3.916467 & 4.11917 & 0.008723\end{array}$ $\begin{array}{lllllllll}1000 & 1004.452 & 0.010592 & 0.152322 & 0.154942 & 0.144516 & 4.172721 & 3.975007 & 0.006573\end{array}$ $\begin{array}{llllllllll}1000 & 1020.974 & 0.013967 & 0.166828 & 0.23062 & 0.126164 & 4.467101 & 4.524065 & 0.011359\end{array}$ $\begin{array}{lllllllll}1000 & 1136.185 & 0.012542 & 0.161165 & 0.106662 & 0.151801 & 4.963122 & 4.215248 & 0.006743\end{array}$ $\begin{array}{llllllllll}1000 & 860.3527 & 0.012509 & 0.121465 & 0.160862 & 0.134935 & 3.954148 & 4.139133 & 0.006225\end{array}$ $\begin{array}{lllllllll}1000 & 969.3694 & 0.013982 & 0.128837 & 0.088573 & 0.122498 & 3.490637 & 3.52504 & 0.003868\end{array}$ $\begin{array}{lllllllll}1000 & 746.7746 & 0.008359 & 0.095762 & 0.081342 & 0.097373 & 3.173777 & 3.116145 & 0.005653\end{array}$ $\begin{array}{lllllllll}1000 & 1025.892 & 0.010876 & 0.101185 & 0.120094 & 0.121956 & 4.157065 & 4.033571 & 0.005237 \\ 1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 & 0.00525\end{array}$ $\begin{array}{llllllll}1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 \\ 1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 0.003442\end{array}$ $\begin{array}{rlllllll}1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 10.003442 \\ 1000 & 1222.215 & 0.007193 & 0.122055 & 0.12739 & 0.115467 & 3.912007 & 4.163196\end{array}$ $\begin{array}{lllllllll}1000 & 922.6626 & 0.004899 & 0.109195 & 0.096956 & 0.080395 & 3.327776 & 3.167022 & 0.005332\end{array}$ | 1000 | 1083.879 | 0.005078 | 0.138652 | 0.118552 | 0.095526 | 3.743507 | 4.008295 | 0.006 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 928.534 & 0.009036 & 0.136039 & 0.130812 & 0.099687 & 3.993602 & 4.060579 & 0.008266\end{array}$ $\begin{array}{lllllllll}1000 & 885.5814 & 0.003041 & 0.12711 & 0.103961 & 0.139594 & 3.721961 & 3.867395 & 0.010138\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 863.4832 & 0.004802 & 0.122656 & 0.101575 & 0.117638 & 3.766406 & 4.326472 & 0.00584 \\ 1000 & 1007.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 10077.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984 \\ 1000 & 885.1764 & 0.006341 & 0.113442 & 0.047299 & 0.073757 & 3.836293 & 3.859227 & 0.002641\end{array}$ $\begin{array}{lllllllll}1000 & 812.5939 & 0.002008 & 0.060905 & 0.051009 & 0.070917 & 3.016918 & 2.964329 & 0.002679\end{array}$ $\begin{array}{lllllllllll}1000 & 942.1062 & 0.00394 & 0.073417 & 0.036375 & 0.065559 & 3.380806 & 3.452158 & 0.005445\end{array}$ $\begin{array}{llllllll}1000 & 853.4041 & 0.003001 & 0.064931 & 0.049129 & 0.05922 & 5.046094 & 4.095986\end{array} 0.002887$


$0.044437 \quad 0.312571 \quad 0.3427810 .308624$ $\begin{array}{llll}0.046762 & 0.336857 & 0.370035 & 0.340106 \\ 0.068011 & 0.326076 & 0.3969 & 0.52308\end{array}$ $\begin{array}{lllll}0.056868 & 0.342325 & 0.41955 & 0.330288\end{array}$ $\begin{array}{lllllll}0.078507 & 0.267993 & 0.465506 & 0.383965\end{array}$ $\begin{array}{llllll}0.074248 & 0.277665 & 0.365257 & 0.264165\end{array}$ $\begin{array}{lllll}0.087761 & 0.317996 & 0.424742 & 0.470755\end{array}$ $\begin{array}{llll}0.059405 & 0.282427 & 0.468836 & 0.42556\end{array}$ $\begin{array}{llll}0.046608 & 0.266311 & 0.351871 & 0.356288 \\ 0.051645 & 0.316809 & 0.524103 & 0.406413\end{array}$ $\begin{array}{lllll}0.065676 & 0.387286 & 0.445211 & 0.500101\end{array}$ $\begin{array}{llllll}0.082519 & 0.344969 & 0.397571 & 0.513949\end{array}$ $\begin{array}{llllll}0.108877 & 0.367639 & 0.382537 & 0.708788\end{array}$ $\begin{array}{lllll}0.089773 & 0.322717 & 0.456213 & 0.468827\end{array}$ 0.0665620 .3295210 .5005860 .677443 $\begin{array}{llll}0.072219 & 0.297353 & 0.567465 & 0.38169\end{array}$ $\begin{array}{llll}0.08197 & 0.334285 & 0.572469 & 0.524167 \\ 0.107833\end{array}$ $\begin{array}{llll}0.10883 & 0.422019 & 0.598455 & 0.517814 \\ 0.048601 & 0.404893 & 0.56953 & 0.693092\end{array}$ $\begin{array}{llll}0.058346 & 0.291126 & 0.48466 & 0.418928\end{array}$ $\begin{array}{llll}0.050163 & 0.257065 & 0.567555 & 0.400535\end{array}$ $\begin{array}{llllll}0.094217 & 0.293535 & 0.455265 & 0.65651\end{array}$ $\begin{array}{lllll}0.071373 & 0.413759 & 0.733668 & 0.504353\end{array}$ $\begin{array}{lllll}0.069974 & 0.325375 & 0.57928 & 0.443203\end{array}$ $\begin{array}{llll}0.092585 & 0.294887 & 0.786703 & 0.463063\end{array}$ $\begin{array}{llll}0.076388 & 0.195029 & 0.507872 & 0.4513 \\ 0.108478 & 0.391038 & 0.697866 & 0.520909\end{array}$ $\begin{array}{llll}0.078621 & 0.416351 & 0.454281 & 0.578721\end{array}$ $\begin{array}{llllll}0.084047 & 0.327839 & 0.551684 & 0.541032\end{array}$ $\begin{array}{lllll}0.090689 & 0.344969 & 0.768355 & 0.718153\end{array}$ $\begin{array}{llll}0.085384 & 0.29482 & 0.750217 & 0.409055\end{array}$ $\begin{array}{lllll}0.073679 & 0.263221 & 0.579498 & 0.62424\end{array}$ $\begin{array}{llll}0.073099 & 0.320249 & 0.635172 & 0.417421\end{array}$ $\begin{array}{llrr}0.053004 & 0.298549 & 0.55278 & 0.553536 \\ 0.144452 & 0.399464 & 0.750494 & 0.646404\end{array}$ $\begin{array}{llll}0.144452 & 0.399464 & 0.750494 & 0.645404 \\ 0.147509 & 0.283438 & 0.542936 & 0.647094\end{array}$ $\begin{array}{lllll}0.123596 & 0.883438 & 0.542936 & 0.647094 \\ 0.624061 & 0.618997\end{array}$ $\begin{array}{lllll}0.079763 & 0.195689 & 0.486438 & 0.749942\end{array}$ $\begin{array}{lllll}0.123407 & 0.349928 & 0.458067 & 0.532548\end{array}$ $\begin{array}{lllll}0.087468 & 0.384601 & 0.45797 & 0.778764\end{array}$ $\begin{array}{llll}0.137182 & 0.330022 & 0.623682 & 0.826923\end{array}$ $\begin{array}{llll}0.104886 & 0.367212 & 0.947521 & 0.802826 \\ 0.1368\end{array}$ $\begin{array}{lllll}0.114237 & 0.277753 & 1.077965 & 0.422333 \\ 0\end{array}$ $\begin{array}{lllll}0.145731 & 0.306307 & 0.579653 & 0.759567\end{array}$ $\begin{array}{lllll}0.106197 & 0.323544 & 0.753855 & 0.664579\end{array}$ $\begin{array}{llllll}0.084714 & 0.292601 & 0.715029 & 0.664531\end{array}$ 0.0878470 .3046850 .7324390 .751661 $\begin{array}{llll}0.100183 & 0.266213 & 0.820922 & 0.675898\end{array}$ $\begin{array}{llll}0.081279 & 0.38997 & 0.949931 & 0.903547\end{array}$ $\begin{array}{llll}0.106233 & 0.302203 & 0.554148 & 0.747692 \\ 0\end{array}$ $\begin{array}{llll}0.113736 & 0.314435 & 0.756194 & 0.6886429\end{array}$ 0.1505040 .3406050 .8156540 .870402 $\begin{array}{llllll}0.127428 & 0.304201 & 0.691778 & 0.68899\end{array}$ $\begin{array}{lllllll}0.178187 & 0.359958 & 0.820624 & 0.721558\end{array}$ $\begin{array}{lllll}0.093498 & 0.339944 & 0.966806 & 0.850388\end{array}$ $\begin{array}{llll}0.193156 & 0.421763 & 1.188669 & 0.876418\end{array}$ $\begin{array}{llll}0.137766 & 0.333697 & 0.651909 & 0.709143 \\ 0.134618 & 0.270548 & 0.698365 & 0.635313\end{array}$ $\begin{array}{lllll}0.134618 & 0.270548 & 0.698365 & 0.635313 \\ 0.139768 & 0.38192 & 0.725671 & 0.63301\end{array}$ $\begin{array}{lllll}0.135768 & 0.38192 & 0.725671 & 0.63301 \\ 0.168121 & 0.36959 & 1.063112 & 1.243994\end{array}$ $\begin{array}{lllll}0.089243 & 0.260714 & 0.65309 & 0.663478\end{array}$ 0.1056030 .4238720 .8301331 .209013
$\begin{array}{lllllllllllllllllllll}1000 & 840.3494 & 0.000383 & 0.057415 & 0.065311 & 0.041154 & 3.623085 & 3.701606 & 0.02284\end{array}$ $\begin{array}{llllllll}1000 & 1061.045 & 0.003464 & 0.071077 & 0.066098 & 0.080807 & 4.369445 & 3.86114\end{array} 0.00032056$ $\begin{array}{lllllllll}1000 & 915.0597 & 0.00626 & 0.074844 & 0.058606 & 0.083265 & 3.64233 & 4.01798 & 0.004182 \\ 1000 & 805.2487 & 0.006299 & 0.073032 & 0.072776 & 0.078774 & 3.965154 & 4.079849 & 0.00511\end{array}$ $\begin{array}{llllllllll}1000 & 784.7264 & 0.005287 & 0.081616 & 0.038562 & 0.051922 & 3.565576 & 3.521751 & 0.002491\end{array}$ $\begin{array}{llllllllll}1000 & 756.2541 & 0.006085 & 0.069283 & 0.064254 & 0.052317 & 3.554549 & 3.031669 & 0.004628\end{array}$ $\begin{array}{lllllllll}1000 & 1049.136 & 0.00736 & 0.10402 & 0.105341 & 0.0838843 & 4.595381 & 4.58908 & 0.008994\end{array}$ $\begin{array}{lllllllll}1000 & 1161.497 & 0.009502 & 0.118106 & 0.084861 & 0.086822 & 5.308292 & 4.725501 & 0.0004299 \\ 1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3257185 & 3833038 & 0.005326\end{array}$ $\begin{array}{lllllllll}1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3.257185 & 3.843038 & 0.005326 \\ 1000 & 915.8291 & 0.007943 & 0.06993 & 0.080999 & 0.09036 & 3.835892 & 4.223846 & 0.008767\end{array}$ $\begin{array}{lllllllll}1000 & 915.8255 & 0.007943 & 0.06993 & 0.080999 & 0.09076 & 3.835892 & 4.223846 & 0.008767 \\ 1000 & 976.8455 & 0.006504 & 0.101866 & 0.111171 & 0.079777 & 4.056693 & 4.131008 & 0.006966\end{array}$ $\begin{array}{llllllllll}1000 & 971.1109 & 0.005599 & 0.08445 & 0.089356 & 0.116674 & 3.899515 & 4.132749 & 0.005256\end{array}$ $\begin{array}{lllllllllll}1000 & 973.9524 & -0.00144 & 0.086831 & 0.099975 & 0.109076 & 4.746058 & 4.634094 & 0.005601\end{array}$ $\begin{array}{llllllllll}1000 & 871.2542 & 0.005707 & 0.081617 & 0.084865 & 0.091767 & 3.795049 & 3.931069 & 0.007233\end{array}$ $\begin{array}{lllllllllll}1000 & 769.8815 & 0.004008 & 0.094897 & 0.095265 & 0.08589 & 3.483721 & 3.731971 & 0.007819\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1087.01 & 0.009351 & 0.105956 & 0.087468 & 0.09178 & 3.881985 & 4.113441 & 0.007455 \\ 1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459 \\ 1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184\end{array}$ $\begin{array}{lllllllll}1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184 \\ 1000 & 1585.812 & 0.006972 & 0.109793 & 0.06852 & 0.112331 & 4.166565 & 4.054399 & 0.009787\end{array}$ $\begin{array}{lllllllllll}1000 & 669.7533 & 0.003889 & 0.090898 & 0.116451 & 0.105854 & 2.96478 & 3.005759 & 0.005712\end{array}$ $\begin{array}{lllllllll}1000 & 722.1542 & 0.006213 & 0.085484 & 0.062338 & 0.05342 & 3.380033 & 3.485522 & 0.006747\end{array}$ $\begin{array}{llllllll}1000 & 1017.45 & 0.005019 & 0.101303 & 0.063221 & 0.101846 & 4.198801 & 4.232066 \\ 0.0066436\end{array}$ $\begin{array}{lllllllll}1000 & 906.6995 & 0.006856 & 0.09953 & 0.106006 & 0.069929 & 3.702846 & 3.632989 & 0.010907\end{array}$ $\begin{array}{lllllllll}1000 & 861.3421 & 0.005527 & 0.084509 & 0.066461 & 0.069574 & 3.752558 & 3.261971 & 0.008241 \\ 1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.833342 & 3.956222 & 3.876826 & 0.007955\end{array}$ $\begin{array}{llllllll}1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.083342 & 3.956222 & 3.876826 \\ 10.007955 \\ 1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3567666\end{array}$ $\begin{array}{lllllllll}1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3.567666 & 0.005449 \\ 1000 & 1259.153 & 0.004301 & 0.085981 & 0.087286 & 0.094481 & 3.458067 & 4.621623 & 0.015092\end{array}$ $\begin{array}{lllllllllllll}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 & 0.007901\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 \\ 1000 & 985.29 & 0.007489 & 0.103127 & 0.12244 & 0.07221 & 3.652008 & 4.124948 \\ 0.010544\end{array}$ $\begin{array}{lllllllll}1000 & 1271.157 & 0.006054 & 0.102386 & 0.078339 & 0.087798 & 4.565835 & 4.936716 & 0.006229\end{array}$ $\begin{array}{lllllllll}1000 & 889.0004 & 0.005434 & 0.082683 & 0.082401 & 0.0877293 & 3.660402 & 4.141533 & 0.0093\end{array}$ $\begin{array}{llllllll}1000 & 827.6853 & 0.006054 & 0.07305 & 0.044586 & 0.059788 & 3.706969 & 3.819392\end{array} 0.0058233$ $\begin{array}{llllllll}1000 & 937.2945 & 0.008042 & 0.089423 & 0.054419 & 0.076084 & 4.096222 & 4.000774 \\ 0 & 0.007859\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1045.96 & 0.00779 & 0.070455 & 0.012365 & 0.060733 & 3.767958 & 3.66603 & 0.008326 \\ 1000 & 1212.542 & 0.009489 & 0.128837 & 0.09987 & 0.11521 & 5.148501 & 5.335056 & 0.015803\end{array}$ $\begin{array}{llllllllll}1000 & 901.0016 & 0.014762 & 0.087171 & 0.0979896 & 0.088232 & 3.744692 & 4.508962 & 0.011239\end{array}$ $\begin{array}{lllllllllll}1000 & 1041.753 & 0.008453 & 0.11327 & 0.069254 & 0.093831 & 3.878469 & 4.182264 & 0.010704\end{array}$ $\begin{array}{llllllllll}1000 & 828.9609 & 0.014728 & 0.083868 & 0.050257 & 0.049656 & 3.704146 & 3.957295 & 0.008278\end{array}$ $\begin{array}{lllllllll}1000 & 826.2644 & 0.013427 & 0.0722 & 0.087942 & 0.079845 & 4.020759 & 5.231754 & 0.01009\end{array}$ $\begin{array}{llllllllll}1000 & 1081.572 & 0.010193 & 0.106454 & 0.052125 & 0.077991 & 5.717274 & 4.325932 & 0.008534\end{array}$ $\begin{array}{lllllllll}1000 & 1158.809 & 0.012329 & 0.084835 & 0.098576 & 0.084475 & 4.699481 & 4.742884 & 0.01379\end{array}$ $\begin{array}{lllllllll}1000 & 988.9078 & 0.016678 & 0.074627 & 0.062399 & 0.080076 & 6.240697 & 5.281331 & 0.018293 \\ 1000 & 922.5537 & 0.009058 & 0.081265 & 0.041477 & 0.080484 & 3.695352 & 4.154507 & 0.004968\end{array}$
 $\begin{array}{lllllllll}1000 & 817.0579 & 0.010624 & 0.079742 & 0.089864 & 0.093718 & 4.073043 & 4.311346 & 0.008384\end{array}$ $\begin{array}{llllllllll}1000 & 1084.49 & 0.016402 & 0.072996 & 0.12106 & 0.079598 & 5.571624 & 4.230026 & 0.013644\end{array}$ $\begin{array}{llllllllll}1000 & 939.1421 & 0.011518 & 0.081843 & 0.087007 & 0.078445 & 3.872192 & 4.045657 & 0.014806\end{array}$ $\begin{array}{lllllllll}1000 & 1353.304 & 0.016413 & 0.128761 & 0.105702 & 0.121684 & 4.541174 & 5.740499 & 0.009451\end{array}$ $\begin{array}{llllllll}1000 & 8933.2644 & 0.012123 & 0.08505 & 0.090183 & 0.088859 & 3.445699 & 4.225009\end{array} 0.009967$ $\begin{array}{lllllllll}1000 & 812.2482 & 0.019665 & 0.11235 & 0.166888 & 0.121277 & 5.145005 & 4.401694 & 0.011258 \\ 1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055\end{array}$ $\begin{array}{lllllllll}1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055 \\ 1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158\end{array}$ $\begin{array}{lllllllll}1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158 \\ 1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876\end{array}$ $\begin{array}{lllllllll}1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876 \\ 1000 & 1422.214 & 0.029031 & 0.108416 & 0.142051 & 0.06573 & 4.848992 & 4.701888 & 0.020098\end{array}$ $\begin{array}{lllllllll}1000 & 1164.626 & 0.022369 & 0.118601 & 0.113708 & 0.120797 & 5.004748 & 5.414754 & 0.021783\end{array}$ $1000959.44930 .0276850 .1313640 .1294490 .1445655 . .9836945 .02498600 .019703$ $\begin{array}{lllllllll}1000 & 951.8791 & 0.022156 & 0.119238 & 0.096977 & 0.090578 & 4.009289 & 4.906479 & 0.013452 \\ 1000 & 1544424 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 665097 & 6.051457 & 0.012161\end{array}$ $\begin{array}{lllllllll}1000 & 1544.224 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 6.650997 & 6.051457 & 0.016161 \\ 1000 & 1034.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255\end{array}$ $\begin{array}{lllllllll}1000 & 10344.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255 \\ 1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863\end{array}$ $\begin{array}{lllllllll}1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863 \\ 1000 & 1007.007 & 0.024715 & 0.148499 & 0.159922 & 0.137078 & 5.169488 & 5.274469 & 0.011108\end{array}$ $\begin{array}{llllllllll}1000 & 995.3571 & 0.025366 & 0.157365 & 0.174694 & 0.157017 & 4.912779 & 5.573006 & 0.021975\end{array}$
 $\begin{array}{lllllllll}1000 & 1114.484 & 0.020506 & 0.15558 & 0.141491 & 0.13104 & 4.796965 & 5.131221 & 0.013824\end{array}$



| 0.070166 | 0.305322 | 0.637478 | 0.560187 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.100958 & 0.226672 & 0.62193 & 0.506074 \\ 0.115944 & 0.310525 & 0.659577 & 0.540391\end{array}$ $\begin{array}{llllll}0.172416 & 0.335122 & 0.646864 & 1.125561\end{array}$ $\begin{array}{llllll}0.099547 & 0.352427 & 1.232759 & 0.582476\end{array}$ $\begin{array}{llll}0.111246 & 0.268509 & 0.6444 & 0.73459\end{array}$ $\begin{array}{llll}0.081824 & 0.257021 & 0.682069 & 0.545541\end{array}$ $\begin{array}{llll}0.163624 & 0.323026 & 1.314208 & 0.644711\end{array}$ | 0.138836 | 0.279715 | 0.644183 | 0.74108 |
| :--- | :--- | :--- | :--- | $\begin{array}{llllll}0.206464 & 0.37894 & 0.803536 & 0.701444\end{array}$ $\begin{array}{llllll}0.178885 & 0.310916 & 0.797606 & 0.655694\end{array}$ $\begin{array}{llllll}0.169601 & 0.293206 & 0.892304 & 1.003422\end{array}$ $\begin{array}{lllllll}0.155052 & 0.366755 & 0.751608 & 0.758993\end{array}$ $\begin{array}{lllll}0.168676 & 0.375786 & 0.92122 & 1.088639\end{array}$ $\begin{array}{llll}0.174344 & 0.365233 & 0.870116 & 0.854656 \\ 0\end{array}$ $\begin{array}{llll}0.116114 & 0.211242 & 0.475684 & 0.51968\end{array}$ $\begin{array}{llll}0.166645 & 0.279274 & 0.693826 & 0.663499\end{array}$ 0.1875490 .2205240 .5220230 .794646 $\begin{array}{llllllll}0.265234 & 0.303693 & 0.819364 & 0.883433\end{array}$ $\begin{array}{lllll}0.269457 & 0.4522 & 1.031794 & 0.804736\end{array}$ 0.2835050 .2551730 .5405590 .850332 0.334958 0.340213 1.0999190 .892129 $\begin{array}{lllll}0.338785 & 0.441416 & 0.642605 & 0.562222\end{array}$ |  | 287615 | 0.307697 | 0.596099 | 0.507654 |
| :--- | :--- | :--- | :--- | :--- |
| .307946 | 0.360825 | 0.767901 | 0.791306 |  | $\begin{array}{lllll}0.227217 & 0.28317 & 1.077618 & 0.586499\end{array}$ $\begin{array}{llllll}0.224559 & 0.309 & 0.7441 & 0.553485\end{array}$ $\begin{array}{lllllll}0.231673 & 0.395289 & 0.779906 & 0.692405\end{array}$ 0.2652540 .3001110 .8441420 .952458 $\begin{array}{llll}0.312394 & 0.272555 & 0.650304 & 0.74038\end{array}$ 0.2146570 .2710260 .6628730 .9884355 $\begin{array}{lllll}0.349373 & 0.453222 & 1.092683 & 0.562615 \\ 0.443746 & 0.297024 & 0521814 & 0.69563\end{array}$ $\begin{array}{lllllllllll}0.347795 & 0.330737 & 0.767845 & 0.703116\end{array}$ $\begin{array}{lllll}0.31625 & 0.314294 & 1.262569 & 0.606719\end{array}$ $0.3199580 .272254 \quad 0.5002270 .562796$ $\begin{array}{llllll}0.352653 & 0.479601 & 1.072193 & 0.729182\end{array}$ $\begin{array}{llllll}0.429886 & 0.406837 & 0.632348 & 0.739743\end{array}$ $\begin{array}{lllll}0.330311 & 0.241416 & 0.906729 & 0.432265\end{array}$ 0.3694220 .3782990 .6173730 .675375 $\begin{array}{lllll}0.697981 & 0.341515 & 0.787835 & 0.662748\end{array}$ $\begin{array}{lllll}0.698007 & 0.323434 & 0.983805 & 0.74301\end{array}$ $\begin{array}{llllll}0.591063 & 0.414227 & 0.931748 & 0.696604\end{array}$ $\begin{array}{llllll}0.412555 & 0.393621 & 0.962502 & 0.70071\end{array}$ $\begin{array}{llll}0.2765 & 0.176714 & 0.464528 & 0.392168\end{array}$ 0.4183840 .31501600 .661350 .667308 $\begin{array}{llll}0.450904 & 0.405787 & 0.691612 & 0.672456\end{array}$ | 0.681547 | 0.458542 | 0.989446 | 1.00428 |
| :--- | :--- | :--- | :--- | :--- |
| .491515 | 0.334784 | 0.7966 | 0.586402 | $\begin{array}{llllll}0.522275 & 0.307988 & 0.790515 & 0.688409\end{array}$ 0.4619550 .3715720 .5989010 .828593 $\begin{array}{lllll}0.634461 & 0.366599 & 1.150138 & 1.463936\end{array}$ $\begin{array}{lllll}0.390051 & 0.316154 & 1.093359 & 0.92177\end{array}$ $\begin{array}{lllll}0.343635 & 0.245675 & 0.911538 & 0.538728\end{array}$ 0.4043940 .3121070 .61399900 .910773 | 0.373739 | 0.333742 | 1.115637 | 0.790886 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.393276 & 0.323386 & 0.971754 & 0.74599\end{array}$ $\begin{array}{lllll}0.325921 & 0.288428 & 0.42655 & 0.754845\end{array}$ $0.217109 \quad 0.2196750 .5015150 .394959$ $\begin{array}{lllll}0.338486 & 0.299064 & 0.79133 & 0.630918\end{array}$

$\begin{array}{lllllllll}1000 & 615.1407 & 0.005173 & 0.104665 & 0.115842 & 0.078526 & 3.261963 & 2.816708 & 0.008105\end{array}$ $\begin{array}{llllllll}1000 & 683.0143 & 0.014714 & 0.119487 & 0.141533 & 0.088757 & 3.600766 & 3.935939\end{array} 0.0009161$ $\begin{array}{lllllllll} & 1000 & 933.9332 & 0.010152 & 0.123231 & 0.094411 & 0.112329 & 3.34186 & 3.803757 \\ 1 & 0.0182 & 0.148082 & 0.145249 & 0.132783 & 4.66348 & 4.729982 & 0.01893\end{array}$ $\begin{array}{llllllllll}1000 & 1265.707 & 0.015255 & 0.125145 & 0.111909 & 0.092234 & 4.12627 & 4.686623 & 0.013789\end{array}$ $\begin{array}{lllllllll}1000 & 896.5135 & 0.013821 & 0.10678 & 0.0799911 & 0.10356 & 4.525468 & 5.297169 & 0.009909\end{array}$ $\begin{array}{lllllllll}1000 & 988.4561 & 0.01062 & 0.092842 & 0.089699 & 0.105178 & 4.011247 & 3.519359 & 0.011103 \\ 1000 & 1071.182 & 0.015113 & 0.135812 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167\end{array}$ $\begin{array}{lllllllll}1000 & 1071.182 & 0.015113 & 0.135512 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167 \\ 1000 & 924.7046 & 0.012635 & 0.144089 & 0.113338 & 0.082656 & 4.409304 & 3.874484 & 0.013439\end{array}$ $\begin{array}{lllllllll}1000 & 924.7046 & 0.012635 & 0.144089 & 0.103382 & 0.082656 & 4.409304 & 3.874484 & 0.013439 \\ 1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367\end{array}$ $\begin{array}{lllllllll}1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367 \\ 1000 & 1059.863 & 0.020231 & 0.201989 & 0.159248 & 0.175889 & 5.807578 & 4.945245 & 0.016828\end{array}$ $\begin{array}{lllllllllll}1000 & 805.272 & 0.013576 & 0.177161 & 0.107854 & 0.162546 & 4.801086 & 5.286248 & 0.01572\end{array}$ $\begin{array}{lllllllll}1000 & 999.8509 & 0.012219 & 0.145906 & 0.139009 & 0.138671 & 5.838568 & 4.411256 & 0.014307\end{array}$ $\begin{array}{lllllllll}1000 & 1030.448 & 0.015548 & 0.247645 & 0.155392 & 0.129167 & 5.398257 & 5.121953 & 0.011358\end{array}$ $\begin{array}{lllllllll}1000 & 994.0685 & 0.015578 & 0.162133 & 0.110847 & 0.125339 & 5.013065 & 4.599762 & 0.009997\end{array}$ $\begin{array}{lllllllll}1000 & 1042.028 & 0.015345 & 0.138331 & 0.117631 & 0.13371 & 4.382344 & 4.740095 & 0.013697\end{array}$ $\begin{array}{lllllllll}1000 & 1104.708 & 0.024211 & 0.133994 & 0.119808 & 0.091304 & 3.769654 & 3.533041 & 0.007442 \\ 1000 & 7197501\end{array}$ $\begin{array}{lllllllll}1000 & 719.7501 & 0.017032 & 0.152678 & 0.090131 & 0.132934 & 3.511273 & 3.788978 & 0.012755 \\ 1000 & 919.0552 & 0.017138 & 0.154127 & 0.121875 & 0.136508 & 4.320497 & 4.051453 & 0.01147\end{array}$ $\begin{array}{llllllllll}1000 & 1011.449 & 0.016863 & 0.172207 & 0.140587 & 0.119742 & 4.483319 & 4.10234 & 0.014101\end{array}$ $\begin{array}{llllllllll}1000 & 1089.502 & 0.017473 & 0.197778 & 0.193182 & 0.179687 & 4.260298 & 5.005731 & 0.00847\end{array}$ $\begin{array}{lllllllll}1000 & 1539.157 & 0.027772 & 0.251749 & 0.159774 & 0.220271 & 6.661555 & 5.459224 & 0.014243\end{array}$ $\begin{array}{lllllllll}1000 & 1000.147 & 0.018395 & 0.131447 & 0.130495 & 0.152198 & 6.005535 & 4.082518 & 0.0099704\end{array}$ $\begin{array}{llllllll}1000 & 888.9333 & 0.020262 & 0.15559 & 0.154505 & 0.135922 & 4.878716 & 4.762051\end{array} 0.0011244$ $\begin{array}{lllllllll}1000 & 998.5492 & 0.016868 & 0.175857 & 0.171536 & 0.152994 & 5.762313 & 5.255829 & 0.017725 \\ 1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648 \\ 1000 & 1074.347 & 0.014231 & 0.194372 & 0.101931 & 0.13507 & 5.949344 & 5.470627 & 0.019815\end{array}$ $\begin{array}{lllllllll}1000 & 1074.344 & 0.014231 & 0.194372 & 0.101931 & 0.13550 & 5.949344 & 5.470627 & 0.019815 \\ 1000 & 1551.844 & 0.017482 & 0.148345 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067\end{array}$ $\begin{array}{lllllllll}1000 & 15551.844 & 0.017482 & 0.14834 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067 \\ 1000 & 762.7059 & 0.00497 & 0.136231 & 0.0868444 & 0.122142 & 3.976746 & 3.746443 & 0.018388\end{array}$ $\begin{array}{lllllllll}1000 & 1077.447 & 0.013965 & 0.144608 & 0.180014 & 0.172167 & 4.426677 & 5.397274 & 0.017564\end{array}$ $\begin{array}{lllllllll}1000 & 1610.395 & 0.012975 & 0.187498 & 0.200675 & 0.126143 & 5.265085 & 5.119423 & 0.015833\end{array}$ $\begin{array}{lllllllll}1000 & 957.072 & 0.00963 & 0.123634 & 0.117203 & 0.118485 & 4.225857 & 3.810033 & 0.005605 \\ 1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919\end{array}$ $\begin{array}{lllllllll}1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919 \\ 1000 & 912.3527 & 0.009288 & 0.125501\end{array}$ $\begin{array}{llllllll}1000 & 912.3527 & 0.009288 & 0.125901 & 0.157881 & 0.130141 & 5.596311 & 5.064982\end{array} 0.017264$ $\begin{array}{lllllllll}1000 & 958.6201 & 0.007594 & 0.11839 & 0.171514 & 0.091561 & 5.01051 & 6.253751 & 0.012992\end{array}$ $\begin{array}{llllllllll}1000 & 1241.856 & 0.014024 & 0.134731 & 0.082505 & 0.090642 & 4.70376 & 4.510542 & 0.0010225\end{array}$ $\begin{array}{lllllllll}1000 & 723.9128 & 0.009811 & 0.084709 & 0.081842 & 0.107166 & 3.454398 & 3.45261 & 0.010362\end{array}$ $\begin{array}{lllllllll}1000 & 1036.759 & 0.013993 & 0.157663 & 0.168107 & 0.142096 & 5.859936 & 5.913273 & 0.015794\end{array}$ $\begin{array}{lllllllll}1000 & 1109.802 & 0.012283 & 0.175961 & 0.160656 & 0.128161 & 6.304868 & 5.169573 & 0.024931\end{array}$ $\begin{array}{lllllllll}1000 & 657.6888 & 0.008552 & 0.091616 & 0.097976 & 0.090784 & 4.07463 & 3.426213 & 0.010591 \\ 1000 & 7688.0823 & 0.014598 & 0.124463 & 0.153391 & 0.123681 & 4.325913 & 4.363612 & 0.013937\end{array}$ $\begin{array}{lllllllll}1000 & 768.0823 & 0.014598 & 0.124463 & 0.135391 & 0.123681 & 4.325913 & 4.366312 & 0.013937 \\ 1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806\end{array}$ $\begin{array}{lllllllll}1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806 \\ 1000 & 1015.129 & 0.017444 & 0.168599 & 0.085281 & 0.151438 & 4.892969 & 4.977255 & 0.020033\end{array}$ $\begin{array}{llllllllll}1000 & 1042.995 & 0.017137 & 0.168141 & 0.124127 & 0.126052 & 6.570883 & 5.973721 & 0.023642\end{array}$ $\begin{array}{lllllllll}1000 & 1081.528 & 0.017307 & 0.167908 & 0.114921 & 0.144144 & 5.910046 & 5.37411 & 0.0250991\end{array}$ $\begin{array}{lllllllll}1000 & 1158.966 & 0.010766 & 0.112212 & 0.095421 & 0.161049 & 4.138073 & 4.162919 & 0.012081\end{array}$ $\begin{array}{lllllllll}1000 & 521.8401 & 0.006478 & 0.084265 & 0.048416 & 0.061202 & 3.485362 & 4.318165 & 0.006773\end{array}$
 $\begin{array}{lllllllll}1000 & 1088.286 & 0.016968 & 0.140386 & 0.140649 & 0.124633 & 4.208166 & 4.632637 & 0.013193 \\ 1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501\end{array}$ $\begin{array}{lllllllll}1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501 \\ 1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 & 0.010625\end{array}$ $\begin{array}{llllllll}1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 \\ 1000 & 1214.488 & 0.021718 & 0.150671 & 0.13987 & 0.134859 & 4.319282 & 6.4252562 \\ 0.013424\end{array}$ $\begin{array}{llllllllll}1000 & 802.9925 & 0.012888 & 0.177304 & 0.12102 & 0.181405 & 4.622962 & 6.875247 & 0.020082\end{array}$ $\begin{array}{llllllllll}1000 & 1099.036 & 0.019158 & 0.170134 & 0.191411 & 0.16688 & 6.990077 & 5.074537 & 0.014335\end{array}$ $\begin{array}{lllllllll}1000 & 1447.803 & 0.016753 & 0.194759 & 0.188431 & 0.19061 & 6.788696 & 5.378928 & 0.026424\end{array}$ $\begin{array}{llllllllll}1000 & 866.7119 & 0.010962 & 0.114482 & 0.131219 & 0.122075 & 4.126844 & 3.781339 & 0.015625\end{array}$ $\begin{array}{lllllllll}1000 & 1285.837 & 0.016288 & 0.165102 & 0.18294 & 0.170753 & 4.655373 & 4.964436 & 0.019492\end{array}$ $\begin{array}{lllllllll}1000 & 850.7799 & 0.011107 & 0.176048 & 0.076377 & 0.154675 & 7.740666 & 5.513382 & 0.023468 \\ 1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.118826 & 6.777419 & 8.988642 & 0.024539\end{array}$ $\begin{array}{lllllllll}1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.178826 & 6.777419 & 8.988642 & 0.024539 \\ 1000 & 1125.395 & 0.009553 & 0.122341 & 0.128397 & 0.088883 & 5.384903 & 7.337034 & 0.020506\end{array}$ $\begin{array}{llllllllll}1000 & 639.4741 & 0.010489 & 0.114665 & 0.150231 & 0.095226 & 3.497213 & 4.559818 & 0.012779\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 762.3578 & 0.004854 & 0.105552 & 0.138384 & 0.082832 & 3.191831 & 3.345072 & 0.016113\end{array}$ $\begin{array}{llllllllll}1000 & 1000.711 & 0.009602 & 0.107549 & 0.185285 & 0.109455 & 4.381901 & 4.679184 & 0.013129\end{array}$


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$\begin{array}{lllll}0.405687 & 0.386892 & 1.15372 & 0.824328\end{array}$ $\begin{array}{llll}0.405687 & 0.386892 & 1.15372 & 0.824328 \\ 0.254905 & 0.324564 & 0.653603 & 0.768255 \\ & 0.377645 & 0.45 & 0.563\end{array}$ $\begin{array}{lllll}0.326498 & 0.420208 & 0.75263 & 0.574703\end{array}$ $\begin{array}{lllll}0.306806 & 0.440424 & 0.923341 & 0.963292\end{array}$ $\begin{array}{lllll}0.219761 & 0.33841 & 0.728601 & 0.746664\end{array}$ $\begin{array}{lllll}0.129884 & 0.307047 & 0.446992 & 0.477489\end{array}$ $\begin{array}{llll}0.163412 & 0.252977 \\ 0.55727878 & 0.621452\end{array}$ $\begin{array}{lllll}0.257217 & 0.359565 & 0.61576 & 1.348487 \\ & 0.2023 & 0.262589 & 0.761777 & 0.961287\end{array}$ $\begin{array}{llllll}0.339326 & 0.450002 & 0.650281 & 0.766609\end{array}$ $\begin{array}{llllll}0.321392 & 0.343236 & 0.779336 & 0.756268\end{array}$ $\begin{array}{lllll}0.328481 & 0.349371 & 0.80745 & 0.708801\end{array}$ $\begin{array}{llllll}0.279806 & 0.403248 & 0.834258 & 0.610594\end{array}$ $\begin{array}{lllll}0.418049 & 0.329833 & 0.663175 & 0.613753\end{array}$ $\begin{array}{lllll}0.210771 & 0.222184 & 0.540472 & 0.540489\end{array}$ $\begin{array}{llll}0.255822 & 0.444036 & 0.625497 & 2.287415 \\ & 0.27198\end{array}$ $\begin{array}{lllll}0.21988 \\ 0.223117 & 0.36795 & 1.143577 & 0.8348655\end{array}$ 0.1281020 .2129030 .4526720 .556213 $\begin{array}{lllll}0.149937 & 0.275508 & 0.927598 & 0.919326\end{array}$ $\begin{array}{llll}0.093123 & 0.270913 & 0.850573 & 0.556849\end{array}$ $\begin{array}{llllll}0.168277 & 0.303743 & 0.773384 & 0.493693\end{array}$ $\begin{array}{lllll}0.119381 & 0.375062 & 0.720864 & 0.806443\end{array}$ $\begin{array}{llll}0.193045 & 0.398649 & 1.21424 & 1.002309\end{array}$ $\begin{array}{lllll}0.14185 & 0.405361 & 1.016439 & 0.907663 \\ 0.150461 & 0.315199 & 0.581857 & 0.788913\end{array}$ $\begin{array}{lllll}0.126206 & 0.365832 & 1.546331 & 0.758583 \\ 0.126813\end{array}$ $\begin{array}{lllll}0.074547 & 0.358222 & 0.91506 & 0.751424\end{array}$ $\begin{array}{llll}0.092751 & 0.285655 & 0.903391 & 0.707807\end{array}$ $\begin{array}{lllll}0.229485 & 0.545259 & 0.837998 & 0.847867\end{array}$ $\begin{array}{llll}0.347049 & 0.365594 & 0.814738 & 0.699417 \\ 0.0187053 & 0.295857\end{array}$ $\begin{array}{llll}0.187053 & 0.296857 & 1.120547 & 0.662537\end{array}$ $\begin{array}{llll}0.355304 & 0.482304 & 1.617459 & 1.671062 \\ 0.299733 & 0.420282 & 1.287999 & 0.666375\end{array}$ $\begin{array}{lllll}0.375853 & 0.33679 & 0.851748 & 1.046033\end{array}$ $\begin{array}{lllll}0.307724 & 0.528537 & 0.856405 & 1.062011\end{array}$ $\begin{array}{lllll}0.265932 & 0.445146 & 0.810333 & 0.59214\end{array}$ $\begin{array}{llll}0.300383 & 0.308261 & 1.084016 & 0.690203\end{array}$ $\begin{array}{llll}0.241777 & 0.330983 & 0.927533 & 0.73873\end{array}$ $\begin{array}{llll}0.213897 & 0.362781 & 0.650527 & 0.883652\end{array}$ $\begin{array}{llll}0.236495 & 0.355602 & 0.92921 & 1.162252 \\ 0.279628 & 0.589427 & 1.556525 & 0.796985\end{array}$ $\begin{array}{lllll}0.279628 & 0.589427 & 1.556525 & 0.796985 \\ 0.357886 & 0.45674 & 1.253068 & 0.94343\end{array}$ $\begin{array}{llll}0.248151 & 0.422981 & 0.900983 & 1.185943\end{array}$ $\begin{array}{llll}0.230579 & 0.418428 & 0.975372 & 1.10013\end{array}$ 0.3079780 .4997640 .6807140 .927593 $\begin{array}{lllll}0.299619 & 0.454852 & 1.127011 & 0.675554\end{array}$ $\begin{array}{lllll}0.419069 & 0.396086 & 0.781791 & 0.676771\end{array}$ $\begin{array}{llll}0.533663 & 0.412949 & 1.011379 & 0.720694\end{array}$ $\begin{array}{lllll}0.26172 & 0.427589 & 0.730171 & 0.751385 \\ 0.27719 & 0.375524 & 0.783687 & 0.693326\end{array}$ $\begin{array}{lllll}0.213461 & 0.351117 & 0.65426 & 0.572119\end{array}$ $\begin{array}{lllll}0.35723 & 0.430449 & 0.817973 & 0.685635\end{array}$ $\begin{array}{lllll}0.205824 & 0.336146 & 1.263542 & 0.794692\end{array}$ $\begin{array}{lllll}0.188362 & 0.282918 & 0.759685 & 0.913846\end{array}$ $\begin{array}{llll}0.25332 & 0.463461 & 0.809973 & 0.779689\end{array}$ | 0.21322 | 0.36927 | 0.79205 | 0.64039 |
| :--- | :--- | :--- | :--- |
| 0.15824 | 0.3107 |  |  | $\begin{array}{llll}0.168424 & 0.31107 & 0.616793 & 0.563946 \\ 0.195126 & 0.439694 & 0.657592 & 0.964206\end{array}$ $\begin{array}{lllll}0.154588 & 0.325809 & 0.75316 & 0.576467\end{array}$ $\begin{array}{lllll}0.289561 & 0.411948 & 1.040791 & 1.232496\end{array}$ $\begin{array}{llllll}0.221283 & 0.37144 & 0.713211 & 0.69551\end{array}$ 0.1871180 .3661720 .6396760 .883783


$\begin{array}{llllllllll}1000 & 1396.953 & 0.008293 & 0.148664 & 0.137964 & 0.122325 & 5.673182 & 5.963023 & 0.018599\end{array}$ $\begin{array}{lllllllll}100 & 793.7691 & 0.007095 & 0.1116348 & 0.171728 & 0.104937 & 4.877611 & 6.960961 & 0.01263 \\ 1000 & 968.4998 & 0.004942 & 0.13074 & 0.11244 & 0.132204 & 3.861344 & 4.720961 & 0.01529\end{array}$ $\begin{array}{lllllllll}1000 & 968.4498 & 0.004942 & 0.136074 & 0.111244 & 0.132204 & 3.861344 & 4.720961 & 0.015297 \\ 1000 & 1100.307 & 0.002963 & 0.135981 & 0.142341 & 0.169841 & 5.220472 & 6.180301 & 0.026145\end{array}$ $\begin{array}{lllllllll}1000 & 1370.139 & 0.008287 & 0.179396 & 0.157621 & 0.178305 & 5.202132 & 5.672738 & 0.019261\end{array}$ $\begin{array}{llllllllll}1000 & 1353.605 & 0.01027 & 0.166082 & 0.196931 & 0.151571 & 5.622929 & 4.885601 & 0.016327\end{array}$ $\begin{array}{lllllllll}1000 & 676.3096 & 0.004639 & 0.1234 & 0.071031 & 0.116079 & 2.987049 & 3.331499 & 0.01233\end{array}$ $\begin{array}{lllllllll}1000 & 684.8687 & 0.004842 & 0.101404 & 0.112086 & 0.108069 & 3.633289 & 3.9304949 & 0.012021 \\ 1000 & 1349.403 & 0.002964 & 0.170346 & 0.164263 & 0.119742 & 6.413787 & 5.289474 & 0.015061\end{array}$ | 1000 | 1349.403 | 0.002964 | 0.170346 | 0.164263 | 0.169742 | 6.413787 | 5.284974 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1152.06 | 0.006012061 | 0.136182 | 0.134198 | 0.117067 | 4.798683 | 5.563818 | $\begin{array}{lllllllll}1000 & 1452.05 & 0.006012 & 0.136182 & 0.134198 & 0.11706 & 4.798683 & 5.563818 & 0.019159 \\ 1000 & 1423.257 & 0.009892 & 0.157379 & 0.11423 & 0.146738 & 4.850453 & 4.691174 & 0.016084\end{array}$ $\begin{array}{llllllllll}1000 & 1500.697 & 0.007537 & 0.13057 & 0.171945 & 0.131478 & 5.134288 & 4.951768 & 0.014899\end{array}$ $\begin{array}{lllllllll}1000 & 1500.657 & 0.007737 & 0.13057 & 0.117934 & 0.131448 & 5.134288 & 4.951768 & 0.014899 \\ 1000 & 1104.585 & 0.007528 & 0.110404 & 0.097738 & 0.109681 & 5.120284 & 4.585277 & 0.013557\end{array}$ $\begin{array}{lllllllll}1000 & 11045.5353 & 0.01241 & 0.137954 & 0.094807 & 0.106331 & 4.962931 & 5.4955731 & 0.0092857 \\ 1000 & 1085 & 0.120857\end{array}$ $\begin{array}{lllllllll}1000 & 1307.403 & 0.011073 & 0.128277 & 0.157221 & 0.110298 & 5.048947 & 5.510477 & 0.016532\end{array}$ $\begin{array}{llllllllll}1000 & 857.1596 & 0.008069 & 0.110863 & 0.099876 & 0.132145 & 4.394766 & 4.106075 & 0.009544\end{array}$ $\begin{array}{lllllllll}1000 & 871.2658 & 0.008775 & 0.148424 & 0.163926 & 0.126874 & 5.555129 & 4.962407 & 0.023431 \\ 1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834 \\ 1000 & 1077.99 & 0.016428 & 0.198821 & 0.215849 & 0.194705 & 5.1344 & 5.690352 & 0.01654\end{array}$ $\begin{array}{lllllllllllll}1000 & 580.8152 & 0.011281 & 0.133371 & 0.089107 & 0.123339 & 4.378684 & 3.56751 & 0.010478\end{array}$ $\begin{array}{lllllllll}1000 & 790.3351 & 0.010665 & 0.160248 & 0.157756 & 0.163659 & 5.701389 & 4.086713 & 0.02173\end{array}$ $\begin{array}{lllllllll}1000 & 524.165 & 0.010432 & 0.148467 & 0.087688 & 0.10329 & 3.470764 & 3.370482 & 0.009207\end{array}$ $\begin{array}{lllllllll}1000 & 866.3908 & 0.01401 & 0.165108 & 0.189257 & 0.175216 & 3.628515 & 3.174641 & 0.015814\end{array}$ $\begin{array}{lllllllll}1000 & 1054.802 & 0.013551 & 0.130551 & 0.118246 & 0.140189 & 4.411737 & 5.020302 & 0.01316 \\ 1000 & 1337326 & 017093 & 0.107956 & 0.10563 & 0.14469 & 5302916 & 5.230873 & 0.015513\end{array}$ $\begin{array}{lllllllll}1000 & 1337.326 & 0.017093 & 0.207956 & 0.105633 & 0.144696 & 5.302916 & 5.230873 & 0.015513 \\ 1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605\end{array}$ $\begin{array}{lllllllll}1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605 \\ 1000 & 824.1597 & 0.005494 & 0.14539 & 0.101517 & 0.099527 & 4.242573 & 3.941077 & 0.012853\end{array}$ $\begin{array}{llllllllllll}1000 & 891.1662 & 0.006204 & 0.152089 & 0.142353 & 0.132167 & 4.385448 & 5.096825 & 0.016489\end{array}$ $\begin{array}{llllllllll}1000 & 947.4673 & 0.005252 & 0.187601 & 0.155194 & 0.173242 & 4.544169 & 4.154008 & 0.016336\end{array}$ $\begin{array}{llllllllll}1000 & 1182.27 & 0.008025 & 0.183056 & 0.143877 & 0.157736 & 4.071976 & 4.444731 & 0.010207\end{array}$ $\begin{array}{lllllllll}1000 & 1090.319 & 0.006033 & 0.168922 & 0.232359 & 0.172156 & 5.64255 & 5.252416 & 0.021547\end{array}$ $\begin{array}{lllllllll}1000 & 1046.382 & 0.011817 & 0.165942 & 0.125884 & 0.159817 & 6.115659 & 6.017204 & 0.011237 \\ 1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5020828 & 4.34651 & 0.00865\end{array}$ $\begin{array}{llllllll}1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5.029828 & 4.348651\end{array} 0.009865$ $\begin{array}{llllllll}1000 & 910.5936 & 0.008477 & 0.126121 & 0.208892 & 0.153797 & 5.280407 & 5.271385 \\ 1000 & 894.2576 & 0.012416 & 0.155286 & 0.167415 & 0.09872 & 5.384546 & 4.599106 \\ 0.010837\end{array}$ $\begin{array}{llllllllll}1000 & 1161.576 & 0.021837 & 0.165211 & 0.204631 & 0.153049 & 5.502131 & 6.942604 & 0.0155\end{array}$ $\begin{array}{llllllllll}1000 & 1196.84 & 0.00853 & 0.180528 & 0.174252 & 0.148296 & 6.423038 & 7.013416 & 0.016399\end{array}$ $\begin{array}{llllllllll}1000 & 1286.995 & 0.015045 & 0.138015 & 0.133477 & 0.139397 & 5.365532 & 4.566677 & 0.011531\end{array}$ $\begin{array}{llllllllll}1000 & 699.1323 & 0.013264 & 0.129587 & 0.136581 & 0.098161 & 4.70075 & 4.860768 & 0.014294\end{array}$ $\begin{array}{lllllllll}1000 & 836.5271 & 0.018104 & 0.15773 & 0.129594 & 0.134831 & 4.448758 & 5.676407 & 0.009528\end{array}$ $\begin{array}{lllllllll}1000 & 772.0621 & 0.013847 & 0.123137 & 0.094693 & 0.109373 & 4.020572 & 3.621689 & 0.017393 \\ 1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 565793 & 8.294556 & 0.019131\end{array}$ $\begin{array}{lllllllll}1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 5.65793 & 8.294556 & 0.019131 \\ 1000 & 923.4622 & 0.01562 & 0.266229 & 0.336533 & 0.265697 & 7.073136 & 5.926424 & 0.019974\end{array}$ $\begin{array}{lllllllllll}1000 & 1017.646 & 0.020249 & 0.312863 & 0.27448 & 0.305615 & 7.498768 & 6.780234 & 0.0277708\end{array}$ $\begin{array}{lllllllllllll}1000 & 906.3254 & 0.018548 & 0.297953 & 0.227418 & 0.227408 & 5.66481 & 6.445643 & 0.022894\end{array}$ $\begin{array}{lllllllll}1000 & 1323.342 & 0.019382 & 0.166497 & 0.14989 & 0.153628 & 5.002878 & 4.530529 & 0.016203\end{array}$ $\begin{array}{lllllllll}1000 & 1118.386 & 0.010922 & 0.202227 & 0.160065 & 0.124908 & 5.352393 & 4.782177 & 0.014607\end{array}$ $\begin{array}{lllllllll}1000 & 1162.582 & 0.014096 & 0.175622 & 0.087728 & 0.106742 & 6.380501 & 5.185586 & 0.014373\end{array}$ $\begin{array}{llllllll}1000 & 887.0313 & 0.00773 & 0.100769 & 0.109567 & 0.120941 & 6.165185 & 4.693691 \\ 10.011273\end{array}$ $\begin{array}{lllllllll}1000 & 11771.926 & 0.017691 & 0.136582 & 0.121923 & 0.203328 & 7.656832 & 5.460789 & 0.012244\end{array}$ $\begin{array}{lllllllll}1000 & 918.2899 & 0.010107 & 0.155428 & 0.094538 & 0.104246 & 6.098693 & 5.310121 & 0.013884 \\ 1000 & 1088.781 & 0.014522 & 0.161658 & 0.193422 & 0.149812 & 4.736032 & 4.697954 & 0.013322\end{array}$ $\begin{array}{lllllllll}1000 & 718.9957 & 0.009876 & 0.11251 & 0.108811 & 0.126733 & 3.83229 & 3.727693 & 0.015395\end{array}$ $\begin{array}{lllllllll}1000 & 929.8775 & 0.016673 & 0.14438 & 0.074312 & 0.127153 & 5.672222 & 4.96006 & 0.023987\end{array}$ $\begin{array}{lllllllll}1000 & 1014.914 & 0.009563 & 0.13228 & 0.132685 & 0.111695 & 5.165994 & 5.22949 & 0.013514\end{array}$ $\begin{array}{lllllllll}1000 & 1128.354 & 0.010943 & 0.118443 & 0.039527 & 0.072916 & 3.577841 & 4.083905 & 0.008634\end{array}$ $\begin{array}{lllllllll}1000 & 802.1751 & 0.015721 & 0.126486 & 0.046937 & 0.10022 & 4.733112 & 4.877326 & 0.009877\end{array}$ $\begin{array}{lllllllll}1000 & 883.755 & 0.010369 & 0.104947 & 0.067964 & 0.106296 & 5.491923 & 4.814622 & 0.011346 \\ 1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.52754 & 3.61118 & 0.011154\end{array}$ $\begin{array}{rrrrrrrr}1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.652754 & 3.61118 \\ 1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509\end{array}$ $\begin{array}{lllllllll}1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509 & 0.01139 \\ 1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222\end{array}$ $\begin{array}{lllllllll}1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222 \\ 1000 & 1159.175 & 0.009997 & 0.170992 & 0.175532 & 0.19318 & 8.544723 & 6.156318 & 0.020464\end{array}$ $\begin{array}{llllllllll}1000 & 661.964 & 0.010609 & 0.113436 & 0.107985 & 0.083482 & 4.501985 & 4.064206 & 0.008959\end{array}$ $\begin{array}{lllllllllll}1000 & 1696.82 & 0.007692 & 0.12611 & 0.087909 & 0.100957 & 4.482484 & 4.41486 & 0.014907\end{array}$






$0.0875950 .4058470 .449683 \quad 0.264282$ $\begin{array}{llll}0.029256 & 0.331626 & 0.327032 & 0.3642822 \\ 0 & 0.3025939 & 0.39526 & 0.28514 \\ 0 & 0.221159\end{array}$ $\begin{array}{llllll}0.083242 & 0.398726 & 0.273288 & 0.299204\end{array}$ $\begin{array}{lllllllll}0.024962 & 0.414271 & 0.277788 & 0.300645\end{array}$ $\begin{array}{lllll}0.024101 & 0.637263 & 0.47401 & 0.302946\end{array}$ $\begin{array}{lllll}0.031129 & 0.475691 & 0.454005 & 0.455832\end{array}$ $\begin{array}{lllll}0.026783 & 0.502601 & 0.688304 & 0.487624\end{array}$ $\begin{array}{llll}0.016026 & 0.417348 & 0.461625 & 0.34541\end{array}$ $\begin{array}{lllll}0.01584 & 0.595857 & 0.363574 & 0.371657\end{array}$ $\begin{array}{lllll}0.016442 & 0.511243 & 0.366694 & 0.431415\end{array}$ $\begin{array}{lllll}0.022771 & 0.560009 & 0.36116 & 0.300418\end{array}$ $\begin{array}{lllll}-0.00181 & 0.278995 & 0.152558 & 0.228715\end{array}$ $\begin{array}{llllll}0.037036 & 0.416284 & 0.43189 & 0.340545\end{array}$ $\begin{array}{llll}0.056096 & 0.590361 & 0.321428 & 0.327246\end{array}$ $\begin{array}{lllll}0.066682 & 0.402714 & 0.367376 & 0.333148 \\ 0.055372 & 0.335946 & 0.34688 & 0.3738\end{array}$ $\begin{array}{lllll}0.025431 & 0.317941 & 0.326481 & 0.282297\end{array}$ $\begin{array}{lllll}0.070926 & 0.36946 & 0.526174 & 0.33899\end{array}$ $\begin{array}{llll}0.039191 & 0.340965 & 0.406275 & 0.338302\end{array}$ $\begin{array}{lllll}0.030461 & 0.317916 & 0.511366 & 0.428591\end{array}$ $\begin{array}{lllllllllll}0.062607 & 0.311958 & 0.337687 & 0.538769\end{array}$ $\begin{array}{lllllll}0.032066 & 0.287187 & 0.481756 & 0.348492\end{array}$ $\begin{array}{llll}0.036277 & 0.283068 & 0.386427 & 0.349183 \\ 0 & 073398 & 0.282533 & 0.36338\end{array} 0.44472$ $\begin{array}{lllll}0.0757444 & 0.2987763 & 0.479931 & 0.4244723\end{array}$ 0.0625860 .3360040 .3987690 .390621 $\begin{array}{lllll}0.075914 & 0.443215 & 0.402478 & 0.302677\end{array}$ 0.0629290 .4236460 .5362920 .440613 $\begin{array}{llllll}0.065486 & 0.316571 & 0.333701 & 0.298644\end{array}$ $\begin{array}{llllll}0.03811 & 0.406626 & 0.258337 & 0.285738\end{array}$ | 0.082565 | 0.431762 | 0.482743 | 0.420908 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.05059 & 0.325683 & 0.311208 & 0.359414\end{array}$ $\begin{array}{llllll}0.046687 & 0.336805 & 0.471117 & 0.387172\end{array}$ $\begin{array}{lllll}0.068573 & 0.359055 & 0.400684 & 0.50483\end{array}$ $\begin{array}{llllll}0.047461 & 0.239135 & 0.352306 & 0.262261\end{array}$ $\begin{array}{llllll}0.062438 & 0.300024 & 0.295868 & 0.278575\end{array}$ $\begin{array}{lllllllll}0.075821 & 0.372331 & 0.311054 & 0.317962\end{array}$ $\begin{array}{lllll}0.022507 & 0.296813 & 0.324508 & 0.309801\end{array}$ $\begin{array}{lllll}0.038045 & 0.301197 & 0.366847 & 0.368068\end{array}$ $\begin{array}{llllll}0.060161 & 0.339784 & 0.318093 & 0.349949\end{array}$ $\begin{array}{llllll}0.013656 & 0.304107 & 0.381596 & 0.268879\end{array}$ $\begin{array}{lllll}0.02656 & 0.176647 & 0.242548 & 0.265977\end{array}$ $\begin{array}{lllllllllll}0.042183 & 0.354027 & 0.31759 & 0.288572\end{array}$ $\begin{array}{lllllll}0.045205 & 0.356506 & 0.361358 & 0.50397\end{array}$ $\begin{array}{llll}0.036283 & 0.235671 & 0.292772 & 0.350181\end{array}$ $\begin{array}{llll}0.046684 & 0.327624 & 0.373182 & 0.269085\end{array}$

 $\begin{array}{lllll}0.0614 & 0.331737 & 0.43617 & 0.44657\end{array}$ $\begin{array}{lllll}0.061675 & 0.240624 & 0.287804 & 0.25425\end{array}$ $\begin{array}{llllll}0.030204 & 0.349603 & 0.367952 & 0.294501\end{array}$ $\begin{array}{llllllllllll}0.026809 & 0.161671 & 0.262642 & 0.249738\end{array}$ $\begin{array}{lllll}0.050591 & 0.386268 & 0.366269 & 0.329109\end{array}$ $\begin{array}{llll}0.32571 & 0.269532 & 0.3545450 & 0.317413\end{array}$ | 0.062954 | 0.307232 | 0.392339 | 0.288171 |
| :--- | :--- | :--- | :--- |
| 041588 | 0.376736 | 0.38886 | 0.301815 | $\begin{array}{lllll}0.050636 & 0.318716 & 0.308728 & 0.365687\end{array}$ $\begin{array}{lllll}0.051319 & 0.345848 & 0.303868 & 0.354974\end{array}$ $\begin{array}{llllll}0.042759 & 0.346495 & 0.262264 & 0.327719\end{array}$ 0.0214620 .3292720 .373580 .319241

$\begin{array}{lllllllll}1000 & 1018.507 & 0.005875 & 0.058693 & 0.075806 & 0.064953 & 4.175173 & 3.747122 & 0.004285\end{array}$ $\begin{array}{llllllll}1000 & 1022.548 & 0.0077108 & 0.043137 & 0.052523 & 0.030083 & 3.333266 & 3.767521\end{array} 0.0003768$ $\begin{array}{lllllllll}1000 & 972.087 & 0.00592 & 0.053617 & 0.045768 & 0.056232 & 4.012782 & 3.42573 & 0.00369 \\ 1000 & 996.1152 & 0.007287 & 0.049924 & 0.00617 & 0.023883 & 3.819858 & 3.433025 & 0.000697\end{array}$ $\begin{array}{llllllllll}1000 & 893.2013 & 0.012278 & 0.037463 & 0.023879 & 0.037625 & 3.255102 & 3.511555 & 0.004732\end{array}$ $\begin{array}{lllllllll}1000 & 1100.671 & 0.010536 & 0.05006 & 0.018163 & 0.040932 & 3.896906 & 4.028722 & 0.003854\end{array}$ $\begin{array}{lllllllll}1000 & 1426.013 & 0.004975 & 0.024447 & 0.026337 & 0.039196 & 4.334701 & 4.339855 & 0.005358 \\ 1000 & 1111.85 & 0.006847 & 0.047995 & 0.035628 & 0.034278 & 4.655726 & 4.644049 & 0.000188\end{array}$ $\begin{array}{llllllll}1000 & 1111.85 & 0.006847 & 0.0404795 & 0.035628 & 0.0342788 & 4.655726 & 4.644049 \\ 1000 & 0.000188 \\ 1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4220661 & 4.258551\end{array}$ $\begin{array}{llllllll}1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4.220611 & 4.258551 \\ 1000 & 845.8845 & 0.00895 & 0.033799 & 0.000313 & 0.012754 & 3.721676 & 3.863423 \\ 0.001875\end{array}$ $\begin{array}{llllllllllll}1000 & 1233.734 & 0.00476 & 0.032166 & 0.020646 & 0.065313 & 5.73997 & 4.797446 & 0.002595\end{array}$ $\begin{array}{llllllllllllllll}1000 & 826.2289 & 0.002297 & 0.031661 & 0.03231 & 0.012819 & 3.883105 & 4.029032 & 0.003464\end{array}$ $\begin{array}{llllllllll}1000 & 1007.966 & 0.001556 & 0.057579 & 0.00036 & 0.047086 & 3.78389 & 4.405332 & 0.006114\end{array}$ $\begin{array}{lllllllll}1000 & 618.73 & 0.00142 & 0.028018 & 0.034015 & 0.035073 & 2.404641 & 2.685501 & 0.004986\end{array}$ $\begin{array}{lllllllll}1000 & 1255.774 & 0.008326 & 0.06563 & 0.094827 & 0.044561 & 4.542364 & 4.61628 & 0.01218\end{array}$ $\begin{array}{lllllllll}1000 & 894.2564 & 0.009751 & 0.060488 & 0.041388 & 0.042053 & 3.842731 & 3.922405 & 0.00515 \\ 1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 975.6827 & 0.002637 & 0.047277 & 0.043161 & 0.055369 & 2.813435 & 2.605905 & 0.0099427\end{array}$ $1000 \quad 906.2528 \quad 0.0108120 .0773330 .0668020 .06819543 .306129 \begin{array}{lllll}3.537613 & 0.004228\end{array}$ $\begin{array}{lllllllll}1000 & 718.523 & 0.005493 & 0.056599 & 0.06145 & 0.069507 & 3.003796 & 3.512904 & 0.005156\end{array}$ $\begin{array}{lllllllll}1000 & 1033.648 & 0.009103 & 0.081336 & 0.187333 & 0.043883 & 3.656527 & 3.623245 & 0.0004061\end{array}$ $\begin{array}{llllllllll}1000 & 780.9178 & 0.012286 & 0.060003 & 0.084485 & 0.059665 & 3.3777035 & 3.302077 & 0.004968\end{array}$ $\begin{array}{lllllllll}1000 & 842.8682 & 0.000464 & 0.052215 & 0.049503 & 0.049789 & 2.771971 & 3.191253 & 0.003198 \\ 1000 & 9355.8288 & 0.006145 & 0.061867 & 0.06713 & 0.075406 & 4057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{lllllllll}000 & 935.8288 & 0.006145 & 0.061867 & 0.067133 & 0.075406 & 4.057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{llllllllll}1000 & 1060.426 & 0.010995 & 0.076903 & 0.052331 & 0.055976 & 3.572116 & 3.59736 & 0.004299 \\ 1000 & 940.83 & 0.008899 & 0.087587 & 0.032602 & 0.075156 & 3.181318 & 3.848753 & 0.006819\end{array}$ $\begin{array}{lllllllll}1000 & 866.642 & 0.007158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.642 & 0.0071158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306 \\ 1000 & 947.9187 & 0.0094 & 0.105472 & 0.071893 & 0.062698 & 3.586713 & 3.482639 & 0.006033\end{array}$ $\begin{array}{lllllllll} & 1021.53 & 0.01418 & 0.092534 & 0.009954 & 0.0072309 & 4.07674631 & 3.482639 & 0.006033 \\ 1000 & 10276275 & 0.00553\end{array}$
 $\begin{array}{llllllll}1000 & 773.2339 & 0.010352 & 0.065359 & 0.046579 & 0.0756608 & 3.391013 & 2.98869 \\ 10.005462 \\ 1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912\end{array}$ $\begin{array}{lllllllll}1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912 & 0.009527 \\ 1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.26211 & 3.072142 & 0.006848\end{array}$ $\begin{array}{lllllllll}1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.262211 & 3.072142 & 0.006842 \\ 1000 & 844.5102 & 0.007143 & 0.072032 & 0.06554 & 0.066144 & 3.403397 & 2.969735 & 0.005088\end{array}$ $\begin{array}{lllllllll}1000 & 1078.876 & 0.01397 & 0.106231 & 0.106723 & 0.075172 & 3.413149 & 3.375104 & 0.002884\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404 \\ 1000 & 871.76 & 0.011003 & 0.056613 & 0.059391 & 0.057707 & 3.12075 & 3.17915 & 0.005767\end{array}$ $\begin{array}{llllllllll}1000 & 1033.756 & 0.010924 & 0.067909 & 0.068487 & 0.056435 & 3.233753 & 3.633045 & 0.002482\end{array}$

 $\begin{array}{lllllllll}1000 & 1327.824 & 0.011949 & 0.074666 & 0.039813 & 0.076423 & 3.150242 & 3.217665 & 0.008879\end{array}$ \begin{tabular}{lllllllll}
1000 \& 1211.923 \& 0.017124 \& 0.084806 \& 0.098049 \& 0.074715 \& 3.371931 \& 3.968405 \& 0.004488 <br>
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 $\begin{array}{lllllllll}1000 & 1921.122 & 0.009456 & 0.0965 & 0.136825 & 0.077847 & 3.377593 & 3.93396 & 0.002809 \\ 1000 & 1127.238 & 0.014476 & 0.08138 & 0.13867 & 0.089202 & 3.31681 & 3.734356 & 0.007819\end{array}$ $\begin{array}{llllllllll}1000 & 1015.557 & 0.00919 & 0.094485 & 0.11607 & 0.072413 & 3.216633 & 3.412717 & 0.002491\end{array}$ $\begin{array}{lllllllll}1000 & 1215.857 & 0.00919 & 0.094485 & 0.1667 & 0.072413 & 3.216633 & 3.412717 & 0.002491 \\ 1000 & 757.9824 & 0.005248 & 0.03985 & 0.061374 & 0.057828 & 2.682081 & 2.839498 & 0.001929\end{array}$ $\begin{array}{lllllllll}1000 & 1154.905 & 0.010355 & 0.079849 & 0.042578 & 0.05797 & 3.070056 & 2.969252 & 0.0002967\end{array}$ $\begin{array}{lllllllll}1000 & 1003.121 & 0.0085 & 0.060064 & 0.090892 & 0.05606 & 3.430117 & 3.459236 & 0.003179\end{array}$ $\begin{array}{lllllllll}1000 & 1124.964 & 0.00461 & 0.078437 & 0.043257 & 0.070388 & 3.193118 & 3.313862 & 0.005383 \\ 1000 & 1454.436 & 0.008063 & 0.0532525 & 0.06465 & 0.075424 & 3.724503 & 3.638949 & 0.000187\end{array}$ 

\hline 000 \& 1454.536 \& 0.008063 \& 0.053252 \& 0.06465 \& 0.075424 \& 3.724503 \& 3.638944 \& 0.000187 <br>
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\end{tabular} $\begin{array}{lllllllll}000 & 1002.82 & 0.007827 & 0.055483 & 0.068434 & 0.064712 & 3.386305 & 3.481609 & 0.002185 \\ 1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552\end{array}$ $\begin{array}{lllllllll}1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552 \\ 1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377 \\ 1000 & 801.04 & 0.006895 & 0.042806 & 0.014662 & 0.059709 & 2.710409 & 3.348897 & 0.001421\end{array}$ $\begin{array}{lllllllll}1000 & 1216.442 & 0.01154 & 0.053901 & 0.074537 & 0.035734 & 3.529982 & 3.239082 & 0.004214\end{array}$ $\begin{array}{llllllllll}1000 & 831.2548 & 0.009073 & 0.048467 & 0.008489 & 0.019588 & 2.452892 & 2.438065 & 0.0001221\end{array}$ $\begin{array}{lllllllll}1000 & 1047.79 & 0.009328 & 0.068324 & 0.05408 & 0.059114 & 3.660183 & 3.56248 & 0.002298 \\ 1000 & 0163138 & 0.07999 & 0.06777 & 0.02811 & 0.034765 & 3390161 & 35474 & 0.0369\end{array}$ $\begin{array}{lllllllll}1000 & 916.3138 & 0.007999 & 0.060777 & 0.028111 & 0.034765 & 3.349161 & 3.5874 & 0.003609\end{array}$ $\begin{array}{lllllllll}1000 & 1067.927 & 0.010279 & 0.048158 & 0.057351 & 0.036916 & 3.924216 & 3.564714 & 0.00579\end{array}$ $\begin{array}{lllllllll}1000 & 1101.395 & 0.022409 & 0.057058 & 0.049581 & 0.042459 & 3.693115 & 4.010436 & 0.002911 \\ 1000 & 1081.761 & 0.022623 & 0.046996 & 0.027108 & 0.032378 & 3.284741 & 2.946767 & 0.00348\end{array}$ $\begin{array}{llllllllll}1000 & 850.7295 & 0.013431 & 0.037536 & 0.010647 & 0.042262 & 3.119029 & 3.154912 & 0.002442\end{array}$ $\begin{array}{llllllllll}1000 & 1013.511 & 0.0141 & 0.041629 & 0.027104 & 0.034666 & 3.4637 & 3.008152 & 0.003007\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 866.2754 & 0.010962 & 0.035047 & 0.033257 & 0.028476 & 2.6535937 & 0.001398\end{array}$



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$\begin{array}{llll}0.031611 & 0.401195 & 0.565759 & 0.680515\end{array}$ $\begin{array}{llll}0.047697 & 0.41712 & 0.559176 & 0.442672 \\ 0.033864 & 0.318373 & 0.557024 & 0.462136\end{array}$ $\begin{array}{lllll}0.052034 & 0.227194 & 0.528364 & 0.519206\end{array}$ $\begin{array}{llllllllll}0.053555 & 0.225225 & 0.430557 & 0.437268\end{array}$ $\begin{array}{lllll}0.081266 & 0.39672 & 0.813177 & 0.814696\end{array}$ $\begin{array}{rlll}0.10417 & 0.310136 & 0.623135 & 0.677599\end{array}$ $\begin{array}{lllll}0.139115 & 0.224537 & 0.908507 & 0.660577 \\ 0\end{array}$ $\begin{array}{llll}0.192163 & 0.312041 & 0.769898 & 0.68971 \\ 0 & 0.149146 & 0.360103 & 0.701746\end{array}$ | 0.13312 | 0.315093 | 0.684883 | 0.87778 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088229 & 0.266661 & 0.456966 & 0.739526\end{array}$ $\begin{array}{llll}0.12593 & 0.195205 & 0.721266 & 0.625943\end{array}$ $\begin{array}{lllll}0.099571 & 0.289353 & 0.656671 & 0.671575\end{array}$ $\begin{array}{llll}0.13594 & 0.331815 & 0.951157 & 1.076207\end{array}$ $\begin{array}{llll}0.155103 & 0.242672 & 0.949812 & 0.687928\end{array}$ | 0.081648 | 0.266666 | 0.686311 | 0.830989 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.092273 & 0.351706 & 0.885922 & 0.845525 \\ 0.088259 & 0.335323 & 0.72666 & 0.740185\end{array}$ $\begin{array}{llll}0.070835 & 0.283668 & 0.909258 & 0.666004\end{array}$ $\begin{array}{llll}0.087727 & 0.258627 & 0.741565 & 0.612933\end{array}$ $\begin{array}{llllll}0.070825 & 0.185364 & 0.554206 & 0.636004\end{array}$ $\begin{array}{lllll}0.14918 & 0.309444 & 1.006352 & 0.774642\end{array}$ $\begin{array}{llll}0.165965 & 0.350032 & 0.848652 & 0.802348\end{array}$ $\begin{array}{llll}0.084192 & 0.261942 & 0.695531 & 0.653218\end{array}$ $\begin{array}{llll}0.113611 & 0.357862 & 0.805593 & 1.067474 \\ 0.135272 & 0.300744 & 1.037675 & 0.77824\end{array}$ $\begin{array}{lllll}0.066924 & 0.276958 & 0.790702 & 0.754784\end{array}$ $\begin{array}{lllll}0.071813 & 0.290907 & 0.457531 & 0.639797\end{array}$ $\begin{array}{lllll}0.064215 & 0.357847 & 0.815127 & 0.663215\end{array}$ $\begin{array}{lllll}0.075605 & 0.359288 & 0.991256 & 0.60056\end{array}$ $\begin{array}{llll}0.129049 & 0.28988 & 0.75347 & 0.537963\end{array}$ $\begin{array}{llll}0.105974 & 0.272886 & 0.632027 & 0.755164\end{array}$ $\begin{array}{llll}0.079567 & 0.275442 & 0.762438 & 0.883553 \\ 0.051876 & 0.287631 & 0.572844 & 0.787908\end{array}$ $\begin{array}{llll}0.061619 & 0.2777796 & 0.517844 & 0.787908 \\ 0.0 .517046\end{array}$ $\begin{array}{lllll}0.0 .109503 & 0.501367 & 0.928316 & 1.099436\end{array}$ $\begin{array}{lllll}0.074202 & 0.252329 & 0.717445 & 0.819267\end{array}$ $\begin{array}{llll}0.092096 & 0.430531 & 1.066901 & 1.22305\end{array}$ $\begin{array}{llll}0.119834 & 0.363694 & 1.092045 & 1.128597\end{array}$ $\begin{array}{llll}0.05136 & 0.400559 & 0.652173 & 0.870842\end{array}$ $\begin{array}{lllll}0.080817 & 0.271879 & 0.744266 & 0.803881 \\ 0.038103 & 0.248781 & 0.465322 & 0.650427\end{array}$ | 0.08521 | 0.347368 | 1.2659 | 1.341401 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.079931 & 0.372017 & 0.753862 & 0.563623\end{array}$ $\begin{array}{lllll}0.088712 & 0.323032 & 1.04567 & 0.739648\end{array}$ $\begin{array}{llll}0.084064 & 0.308333 & 1.228756 & 0.982288\end{array}$ $\begin{array}{llll}0.131225 & 0.38279 & 0.887654 & 1.05749\end{array}$ $\begin{array}{llll}0.120489 & 0.322183 & 1.856678 & 0.765613\end{array}$ $\begin{array}{llll}0.094513 & 0.297818 & 1.113155 & 1.245263\end{array}$ $\begin{array}{llll}0.116088 & 0.258409 & 0.793007 & 0.666836 \\ 0.115628 & 0.554125 & 1.385854 & 0.891609\end{array}$ $\begin{array}{lllll}0.171548 & 0.417791 & 1.670533 & 0.896359 \\ 0 & 0.175469\end{array}$ $\begin{array}{lllll}0.047204 & 0.263044 & 0.690082 & 1.004585\end{array}$ $\begin{array}{lllll}0.094619 & 0.38646 & 0.959242 & 0.974591\end{array}$ $\begin{array}{lllll}0.101405 & 0.322548 & 0.636257 & 0.66876\end{array}$ $\begin{array}{lllll}0.092319 & 0.249774 & 0.629481 & 0.627155\end{array}$ $\begin{array}{llll}0.09091 & 0.507514 & 1.579029 & 0.9947\end{array}$ $\begin{array}{llll}0.064357 & 0.209214 & 1.205438 & 0.906858 \\ 0.053311 & 0.222872 & 0.671731 & 0.69517\end{array}$ $\begin{array}{llll}0.066661 & 0.389646 & 1.179674 & 1.002656\end{array}$ $\begin{array}{lllll}0.067598 & 0.313037 & 0.632427 & 0.735122\end{array}$ 0.0530670 .2292671 .0156210 .576187 0.0659770 .2512611 .0900180 .538506


$\begin{array}{rrrrrrrrr}1000 & 1104.585 & 0.006035 & 0.104545 & 0.093259 & 0.074059 & 3.953608 & 4.364116 & 0.00645 \\ 1000 & 1257.54 & 0.065368 & 0.110976 & 0.120624 & 0.081112 & 5.414032 & 4.129046 & 0.007418 \\ 1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288\end{array}$ $\begin{array}{lllllllll}1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288 \\ 1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082608 & 3.609368 & 0.008277\end{array}$ $\begin{array}{lllllllll}1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082668 & 3.609368 & 0.008277 \\ 1000 & 767.6288 & 0.002344 & 0.081015 & 0.093444 & 0.094608 & 3.623066 & 3.352541 & 0.00612\end{array}$ $\begin{array}{lllllllll}1000 & 1346.292 & 0.005777 & 0.142547 & 0.109712 & 0.127866 & 4.094525 & 4.147194 & 0.007168\end{array}$ $\begin{array}{lllllllll}1000 & 889.9435 & 0.009896 & 0.107471 & 0.062839 & 0.117472 & 4.082828 & 4.094529 & 0.006147\end{array}$ $\begin{array}{lllllllll}100 & 9566.3881 & 0.006035 & 0.151806 & 0.134978 & 0.09348 & 3.534949 & 4.103572 & 0.003367 \\ 1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139677 & 3.822485 & 0.005259\end{array}$ $\begin{array}{lllllllll}1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139767 & 3.822485 & 0.005259 \\ 1000 & 1102252 & 0.0101014 & 0.129579 & 0.10221 & 0.114552 & 5.367171 & 4.851436 & 0.00654\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1102.252 & 0.011014 & 0.149579 & 0.10221 & 0.114552 & 5.366171 & 4.851436 \\ 1000 & 1108.405 & 0.00948 & 0.112798 & 0.123083 & 0.074963 & 4.642873 & 4.118653 \\ 0.005795\end{array}$ $\begin{array}{llllllllll}1000 & 895.7373 & 0.009562 & 0.094821 & 0.095261 & 0.097149 & 3.040463 & 3.6052 & 0.005737\end{array}$ $\begin{array}{llllllllll}1000 & 837.7235 & 0.012442 & 0.106334 & 0.077864 & 0.081389 & 3.868081 & 4.069236 & 0.006191\end{array}$ $\begin{array}{lllllllll}1000 & 1098.392 & 0.012208 & 0.100269 & 0.102364 & 0.097104 & 4.013613 & 3.208568 & 0.004877\end{array}$ $\begin{array}{lllllllllll}1000 & 884.7027 & 0.01706 & 0.108713 & 0.131075 & 0.154975 & 4.179335 & 3.977426 & 0.010221\end{array}$ $\begin{array}{lllllllll}1000 & 1007.146 & 0.013022 & 0.110895 & 0.11053 & 0.11447 & 4.241605 & 4.00682 & 0.006656 \\ 1000 & 1028.177 & 0.000105 & 0.097764 & 0.117145 & 0.097033 & 3.735913 & 3.95997 & 0.006589\end{array}$ $\begin{array}{lllllllll}1000 & 1028.177 & 0.006105 & 0.097764 & 0.107145 & 0.097033 & 3.735913 & 3.955977 & 0.006589 \\ 1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309\end{array}$ $\begin{array}{lllllllll}1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309 \\ 1000 & 1185.576 & 0.009078 & 0.144852 & 0.169585 & 0.120745 & 4.523395 & 4.465378 & 0.007665\end{array}$ $\begin{array}{lllllllllll}1000 & 950.5291 & 0.009091 & 0.139177 & 0.086629 & 0.151678 & 4.747335 & 4.246047 & 0.007793\end{array}$ $\begin{array}{llllllllllll}1000 & 834.5023 & 0.011622 & 0.120635 & 0.068397 & 0.140954 & 3.26875 & 3.499491 & 0.009605\end{array}$ $\begin{array}{llllllllll}1000 & 739.873 & 0.007514 & 0.096104 & 0.139823 & 0.114192 & 2.660341 & 2.781871 & 0.005785\end{array}$ $\begin{array}{lllllllll}1000 & 2071.548 & 0.015152 & 0.185146 & 0.174935 & 0.157428 & 4.619002 & 5.343776 & 0.007895\end{array}$ $\begin{array}{llllllll}1000 & 1305.815 & 0.009038 & 0.148201 & 0.095118 & 0.137948 & 3.705276 & 4.482354 \\ 1000 & 7006679\end{array}$ $\begin{array}{lllllllll}1000 & 773.2958 & 0.004765 & 0.183434 & 0.060694 & 0.115833 & 4.045818 & 3.392222 & 0.005093 \\ 1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683 \\ 1000 & 1210.22 & 0.009188 & 0.124234 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174\end{array}$ $\begin{array}{rrrrrrrrr}100 & 1110.22 & 0.009188 & 0.124634 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174 \\ 1000 & 1125.653 & 0.010462 & 0.156559 & 0.132135 & 0.119664 & 5.037179 & 4.350906 & 0.005481\end{array}$ $\begin{array}{lllllllll}1000 & 889.8157 & 0.002976 & 0.068199 & 0.056156 & 0.064095 & 4.470407 & 3.054077 & 0.0004399\end{array}$ $\begin{array}{lllllllll}1000 & 1102.592 & 0.001774 & 0.082192 & 0.067496 & 0.072232 & 4.256491 & 3.368424 & 0.002697\end{array}$ $\begin{array}{llllllllll}1000 & 1679.977 & 0.005548 & 0.101486 & 0.090769 & 0.097152 & 4.548325 & 5.144612 & 0.003175\end{array}$ | 1000 | 1198.4 | 0.004685 | 0.082437 | 0.136621 | 0.076201 | 5.09823 | 4.230119 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1037.254 | 0.004346 | 0.092671 | 0.0947713 | 0.078129 | 4.180365 | 4.112147 | $\begin{array}{lllllllll}1000 & 1037.254 & 0.004346 & 0.092671 & 0.094713 & 0.078129 & 4.180365 & 4.112147 & 0.007656\end{array}$ $\begin{array}{lllllllll}1000 & 1094.13 & 0.006966 & 0.088417 & 0.105626 & 0.111897 & 4.139989 & 4.449202 & 0.007517\end{array}$ | 1000 | 954.5932 | 0.005921 | 0.107152 | 0.068928 | 0.141843 | 4.986799 | 3.91965 | 0.014538 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017\end{array}$ $\begin{array}{lllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017 \\ 1000 & 668.541 & 0.011409 & 0.126087 & 0.156438 & 0.086027 & 3.915031 & 3.766427 & 0.007202\end{array}$ $\begin{array}{lllllllll}1000 & 1320.996 & 0.014521 & 0.157875 & 0.079361 & 0.157503 & 5.282454 & 5.699404 & 0.014634\end{array}$ $\begin{array}{lllllllll}1000 & 1054.252 & 0.018354 & 0.149633 & 0.138198 & 0.135136 & 4.574326 & 4.412258 & 0.013951\end{array}$ $\begin{array}{llllllllll}1000 & 827.7968 & 0.00777 & 0.094939 & 0.072102 & 0.088051 & 3.866194 & 3.553529 & 0.0034494\end{array}$ $\begin{array}{lllllllll}1000 & 1221.32 & 0.002555 & 0.11232 & 0.116552 & 0.090394 & 4.27087 & 4.26617 & 0.007996 \\ 1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822\end{array}$ $\begin{array}{lllllllll}1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822 \\ 1000 & 1240.728 & 0.012871 & 0.133032 & 0.099552 & 0.120324 & 4.930731 & 4.585453 & 0.01616\end{array}$ | 1000 | 603.0229 | 0.008228 | 0.094646 | 0.063427 | 0.095816 | 3.8018 | 3.332945 | 0.010588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}100 & 63.0229 & 0.008228 & 0.094646 & 0.063427 & 0.095816 & 3.8018 & 3.332945 \\ 10.0100588 \\ 100 & 1047.295 & 0.008957 & 0.097216 & 0.107991 & 0.122217 & 5.531403 & 4.437567 \\ 0.012843\end{array}$ $\begin{array}{lllllllll}1000 & 786.9462 & 0.007696 & 0.155031 & 0.068315 & 0.116813 & 4.414235 & 4.449219 & 0.009404\end{array}$ $\begin{array}{lllllllll}1000 & 998.9427 & 0.010061 & 0.203719 & 0.119222 & 0.147068 & 6.06349 & 4.977139 & 0.013678 \\ 1000 & 1049 & 045 & 0.07143 & 0.14607 & 0.12654 & 0.103038 & 4.3249 & 4.43859\end{array}$ | 1000 | 1049.264 | 0.007143 | 0.144607 | 0.123647 | 0.103038 | 4.32489 | 4.435859 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 818.5269 & 0.010941 & 0.106948 & 0.112545 & 0.118318 & 3.529968 & 3.6833236 & 0.007371 \\ 1000 & 909.6484 & 0.012093 & 0.161649 & 0.16 & 0.114391 & 3948704 & 3.933055 & 0.011073\end{array}$ $\begin{array}{rrrrrrrr}000 & 909.6484 & 0.012093 & 0.161649 & 0.162 & 0.114391 & 3.948704 & 3.933055 \\ 1000 & 10866.072 & 0.011073\end{array}$ $\begin{array}{lllllllll}1000 & 1086.672 & 0.011882 & 0.192049 & 0.161915 & 0.136467 & 4.215195 & 4.632561 & 0.010161 \\ 1000 & 1050.723 & 0.011154 & 0.156771 & 0.135526 & 0.184147 & 5.598658 & 3.875003 & 0.005218\end{array}$ $\begin{array}{lllllllll}1000 & 1287.95 & 0.009071 & 0.161222 & 0.101892 & 0.121418 & 3.217528 & 3.091693 & 0.008725\end{array}$ | 1000 | 1292.464 | 0.016846 | 0.17516 | 0.092006 | 0.1214379 | 4.62898 | 3.575707 | 0.000922 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 965.1603 & 0.020637 & 0.14464 & 0.137199 & 0.107438 & 4.273696 & 4.634317 & 0.010397\end{array}$ $\begin{array}{lllllllll}1000 & 761.6293 & 0.009266 & 0.100747 & 0.115459 & 0.081211 & 3.279596 & 2.516649 & 0.004568 \\ 1000 & 1533.3 & 0.012946 & 0.148041 & 0.082667 & 0.173166 & 4.253332 & 5.062553 & 0.0074466\end{array}$ | 1000 | 1533.3 | 0.012946 | 0.148041 | 0.082667 | 0.173166 | 4.253332 | 5.062553 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1004.464 | 0.005833 | 0.130589 | 0.144131 | 0.128514 | 3.38235 | 3.669022 | $\begin{array}{lllllllll}1000 & 1004.464 & 0.005833 & 0.130589 & 0.144131 & 0.128514 & 3.38235 & 3.669022 & 0.007115 \\ 1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865\end{array}$ $\begin{array}{lllllllll}1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865 \\ 1000 & 1398.472 & 0.008961 & 0.118102 & 0.125651 & 0.116338 & 4.41598 & 4.635854 & 0.012835\end{array}$ $\begin{array}{llllllllll}1000 & 626.3881 & 0.003477 & 0.072847 & 0.078916 & 0.07236 & 2.788303 & 2.278825 & 0.006775\end{array}$ $\begin{array}{llllllllll}1000 & 1193.053 & 0.008992 & 0.093745 & 0.039915 & 0.086896 & 2.834928 & 2.725949 & 0.007133\end{array}$ $\begin{array}{llllllllll}1000 & 638.3693 & 0.003977 & 0.083763 & 0.091754 & 0.068009 & 4.051773 & 3.434407 & 0.0045\end{array}$


| 281.941 | 113.01 | 160.03 | 495.78 | 438.61 | 7003.66 | 100848.2 | 211.05 | 161.03 | 25 | 156.03 | 5122.72 | 47459.26 | 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 282.2748 | 115.01 | 195.04 | 274.24 | 330.34 | 6329.78 | 141856.9 | 214.05 | 158.03 | 28 | 146.02 | 5785.61 | 40273.83 | 20 |
| 282.6086 | 113.01 | 138.02 | 291.27 | 316.32 | 6556.87 | 135626.7 | 193.04 | 167.03 | 28 | 151.02 | 6087.52 | 35927.57 | 32 |
| 282.943 | 113.01 | 145.02 | 300.28 | 61 | 127 | 113473.2 | 215.05 | 173.03 | 25 | 129.02 | 7275.8 | 38767.71 | 21 |
| 283.2768 | 120.01 | 145.02 | 269.23 | 313.31 | 6916.92 | 124810.5 | 203.04 | 224.05 | 27 | 133.02 | 4743.6 | 39250.72 | 20 |
| 283.6106 | 158.03 | 154.02 | 213.14 | 377.45 | 7337.48 | 117611.6 | 219.05 | 149.02 | 16 | 137.02 | 6013.54 | 42658.75 | 20 |
| 283.9449 | 127.02 | 129.02 | 441.62 | 401.51 | 9615.27 | 107721.3 | 213.05 | 167.03 | 26 | 158.03 | 5184.42 | 43455.3 | 22 |
| 284.2788 | 101.01 | 169.03 | 274.24 | 510.82 | 10170.88 | 172748.4 | 227.06 | 143.02 | 34 | 154.03 | 5554.76 | 40609.9 | 30 |
| 284.6126 | 102.01 | 180.03 | 270.23 | 339.36 | 7275.69 | 98657.13 | 191.04 | 199.04 | 31 | 189.04 | 4454.74 | 40597.89 | 30 |
| 284.94 | 145.02 | 141.02 | 29. | 395. | 11687.74 | 93 | 250.07 | 213.05 | 34 | 40.0 | 6033.81 | 57005.0 | 9 |
| 285.2818 | 113.01 | 157.03 | 322.33 | 433.59 | 8731.54 | 135640.7 | 213.05 | 158.03 | 30 | 171.03 | 4350.7 | 37450.6 | 20 |
| 285.6156 | 106.01 | 205.04 | 429.58 | 445.63 | 9030.87 | 149360.6 | 240.06 | 185.04 | 29 | 189.04 | 4637.55 | 39224.6 | 18 |
| 285.95 | 102.01 | 142.02 | 332.35 | 430.59 | 8816.1 | 141602.7 | 220.05 | 168.03 | 39 | 150.02 | 5957.82 | 37622.01 | 24 |
| 286.2838 | 97.01 | 116.01 | 266.22 | 367.43 | 6938.86 | 135709.6 | 211.05 | 170.03 | 24 | 140.02 | 4954.88 | 46294.63 | 18 |
| 286.6176 | 96.01 | 171.03 | 273.24 | 614.19 | 6305.84 | 184683.4 | 204.04 | 142.02 | 33 | 179.03 | 5255.2 | 40618.6 | 14 |
| 286.9519 | 121.02 | 155.03 | 297.28 | 472.71 | 8088.24 | 115908.3 | 205.05 | 157.03 | 18 | 179.03 | 5226. | 35578.6 | 29 |
| 287.2858 | 99.01 | 142.02 | 326.34 | 453.65 | 7296.63 | 108100.1 | 264.08 | 141.02 | 18 | 125.02 | 4818.4 | 39488.05 | 23 |
| 287.6196 | 136.02 | 181.03 | 249.2 | 470.7 | 6571.46 | 154130.3 | 205.05 | 139.02 | 19 | 158.03 | 5399.91 | 48225.06 | 14 |
| 287.9539 | 109.01 | 127.02 | 374.44 | 453.65 | 8500.29 | 173146.1 | 217.05 | 145.02 | 19 | 98.01 | 6444.39 | 42158.03 | 24 |
| 288.2878 | 134.02 | 142.02 | 345.38 | 40.52 | 8678.72 | 122186.1 | 221.05 | 139.02 | 26 | 139.02 | 35.5 | 46282.48 | 22 |
| 288.6216 | 154.02 | 106.01 | 337.36 | 309.3 | 8137.72 | 105499.7 | 181.04 | 142.02 | 18 | 101.01 | 5071.15 | 43155.61 | 22 |
| 288.9559 | 143.02 | 167.03 | 341.37 | 439.61 | 7844.25 | 106856.9 | 236.06 | 139.02 | 28 | 129.02 | 6498.15 | 44238 | 21 |
| 289.2897 | 206.04 | 142.02 | 261.22 | 373.44 | 8253.57 | 103658.7 | 181.04 | 175.03 | 31 | 119.02 | 5180.37 | 53041.81 | 28 |
| 289.6236 | 151.02 | 118.01 | 410.53 | 359.41 | 6828.13 | 134379.3 | 194.04 | 207.05 | 25 | 205.05 | 6052.05 | 41141.77 | 31 |
| 289.9579 | 182.03 | 131.02 | 540.92 | 326.34 | 10308.47 | 164506.7 | 212.05 | 142.02 | 26 | 147.02 | 4876.0 | 51253.7 | 24 |
| 290.2917 | 203.04 | 156.03 | 293.27 | 331.35 | 8705.13 | 167189.1 | 209.05 | 159.03 | 37 | 166.03 | 6166.5 | 41410.66 | 17 |
| 290.6255 | 164.03 | 131.02 | 356.4 | 557.98 | 7412.92 | 149084.3 | 207.05 | 149.02 | 26 | 148.02 | 6142.25 | 44561.26 | 26 |
| 290.9599 | 212.05 | 146.02 | 276.24 | 403.51 | 8355.79 | 115493.3 | 259.07 | 199.04 | 33 | 153.03 | 5374.61 | 42083.56 | 18 |
| 291.2937 | 213.05 | 171.03 | 297.28 | 396.5 | 7600.63 | 141879.1 | 169.03 | 293.09 | 24 | 147.02 | 4897.26 | 44792.45 | 27 |
| 291.6275 | 254.07 | 157.03 | 350.39 | 878.43 | 12372.61 | 135568.8 | 186.04 | 215.05 | 29 | 164.03 | 6911.18 | 49577.9 | 33 |
| 291.9619 | 191.04 | 121.02 | 345.38 | 491.76 | 13403.75 | 143773.9 | 239.06 | 170.03 | 38 | 152.03 | 6202.0 | 55171.82 | 30 |
| 292.2957 | 194.04 | 132.02 | 238.18 | 91.76 | 6489.12 | 122288.5 | 242.06 | 180.04 | 22 | 172.03 | 6406.8 | 52549. | 26 |
| 292.63 | 219.05 | 112.01 | 409.53 | 368.43 | 7737.1 | 125469.8 | 230.06 | 191.04 | 47 | 130.02 | 7754.63 | 44769.33 | 29 |
| 292.9649 | 191.04 | 172.03 | 450.64 | 385.47 | 11457.58 | 132037.5 | 283.09 | 188.04 | 34 | 158.03 | 5434.31 | 55795.65 | 27 |
| 293.2987 | 244.06 | 147.02 | 315.31 | 422.56 | 10413.09 | 124175.9 | 257.07 | 188.04 | 22 | 213.05 | 5745.1 | 93518.92 | 35 |
| 293.6325 | 211.05 | 128.02 | 370.43 | 353.39 | 6972.3 | 165493.4 | 256.07 | 227.06 | 24 | 171.03 | 5824 | 61632.97 | 34 |
| 293.9669 | 211.05 | 144.02 | 380.46 | 386.47 | 6468.28 | 107299.4 | 303.1 | 193.04 | 43 | 195.04 | 6599 | 62510.45 | 24 |
| 294.3007 | 173.03 | 148.02 | 419.56 | 695.53 | 8113.5 | 129317.2 | 338.12 | 227.06 | 21 | 158.03 | 6214.2 | 48603.42 | 20 |
| 294.635 | 191.04 | 136.02 | 324.33 | 304.29 | 12800.1 | 189095.6 | 291.09 | 199.04 | 45 | 156.03 | 8305.24 | 53741.41 | 31 |
| 294.9688 | 302.09 | 116.01 | 271.23 | 894.52 | 7824.29 | 169879.9 | 234.06 | 202.04 | 47 | 190.04 | 6874.63 | 59447.84 | 17 |
| 295.3026 | 231.06 | 167.03 | 426.57 | 427.58 | 8666.04 | 121768.8 | 268.08 | 222.05 | 20 | 160.03 | 6112.85 | 48401.45 | 32 |
| 295.637 | 260.07 | 137.02 | 484.74 | 290.27 | 10011.02 | 145464.1 | 295.59 | 178.03 | 19 | 183.04 | 6411.9 | 56685.5 | 23 |
| 295.9708 | 226.05 | 157.03 | 329.34 | 484.74 | 6720.62 | 183552.9 | 240.06 | 187.04 | 43 | 146.02 | 7063.4 | 55616.52 | 24 |
| 296.3046 | 274.08 | 118.01 | 337.36 | 453.65 | 8392.7 | 172811.1 | 257.07 | 207.05 | 18 | 166.03 | 6698.02 | 58603.87 | 24 |
| 296.639 | 195.04 | 144.02 | 270.23 | 318.32 | 10207.13 | 162922.5 | 328.12 | 211.05 | 40 | 184.04 | 5800.8 | 43807.92 | 44 |
| 296.9728 | 188.04 | 124.02 | 260.21 | 523.87 | 6726.88 | 104165.9 | 258.07 | 183.04 | 28 | 189.04 | 6646.27 | 52002.12 | 25 |
| 297.3066 | 188.04 | 139.02 | 274.24 | 334.35 | 7635.26 | 127653.8 | 280.08 | 185.04 | 31 | 164.03 | 6429.18 | 44125.61 | 38 |
| 297.641 | 190.04 | 129.02 | 330.34 | 401.51 | 7546.08 | 137971.9 | 263.07 | 161.03 | 23 | 126.02 | 4944.77 | 52797.62 | 30 |
| 297.9748 | 247.06 | 155.03 | 386.47 | 505.81 | 7024.57 | 104420.3 | 254.07 | 144.02 | 31 | 163.03 | 7099.04 | 41007.39 | 27 |
| 298.3086 | 144.02 | 167.03 | 385.47 | 324.33 | 12801.19 | 128938.7 | 324.11 | 185.04 | 37 | 156.03 | 5339.19 | 53549.59 | 21 |
| 298.6429 | 143.02 | 144.02 | 356.4 | 401.51 | 8228.28 | 134321.5 | 239.06 | 229.06 | 25 | 155.03 | 6371.37 | 49267.67 | 14 |
| 298.9768 | 159.03 | 149.02 | 234.17 | 435.6 | 7746.55 | 98324.29 | 259.07 | 189.04 | 30 | 113.01 | 6749.78 | 46001.98 | 41 |
| 299.3106 | 172.03 | 192.04 | 233.17 | 291.27 | 9548.34 | 155218.2 | 242.06 | 133.02 | 24 | 137.02 | 5250.17 | 40411.29 | 4 |
| 299.6449 | 185.04 | 195.04 | 368.43 | 324.33 | 8792.85 | 117946.9 | 230.06 | 171.03 | 22 | 133.02 | 4713.33 | 53489.03 | 19 |
| 299.9788 | 159.03 | 173.03 | 261.22 | 311.31 | 11174.1 | 148494 | 214.05 | 146.02 | 19 | 107.01 | 5046.88 | 38128.82 | 24 |
| 300.3126 | 131.02 | 124.02 | 297.28 | 361.41 | 10670.64 | 207061.8 | 220.05 | 129.02 | 18 | 149.02 | 4549.67 | 46240.5 | 19 |
| 300.6479 | 167.03 | 179.03 | 358.41 | 329.34 | 7804.32 | 128759.5 | 197.04 | 147.02 | 29 | 150.02 | 4465.8 | 40948.39 | 27 |
| 300.9818 | 174.03 | 168.03 | 302.29 | 472.71 | 8025.1 | 155659.8 | 226.06 | 152.03 | 27 | 138.02 | 5230.9 | 46840.65 | 5 |
| 301.3156 | 149.02 | 177.03 | 284.26 | 348.38 | 8178.78 | 147030.1 | 226.06 | 176.03 | 32 | 168.03 | 6243.62 | 43300.49 | 21 |
| 301.6499 | 134.02 | 131.02 | 501.79 | 319.32 | 9932.22 | 154920.3 | 193.04 | 187.04 | 22 | 161.03 | 6204.08 | 45228.71 | 13 |
| 301.9837 | 120.01 | 121.02 | 257.21 | 378.45 | 6908.56 | 140342 | 218.05 | 147.02 | 29 | 149.02 | 4640.58 | 52452.86 | 17 |
| 302.3176 | 136.02 | 124.02 | 315.31 | 321.33 | 6792.63 | 137934.1 | 188.04 | 162.03 | 36 | 128.02 | 6081.44 | 40647.01 | 16 |
| 302.6519 | 126.02 | 153.02 | 341.37 | 286.26 | 8911.29 | 118819 | 151.02 | 119.02 | 23 | 142.02 | 4813.3 | 54588.12 | 16 |
| 302.9857 | 100.01 | 136.02 | 513.8 | 312.31 | 12475.33 | 102174 | 163.03 | 154.0 | 27 | 99.01 | 4870.98 | 48786.61 | 18 |

$\begin{array}{llll}0.073592 & 0.3953 & 1.515117 & 1.031364\end{array}$ $\begin{array}{lllll}0.084117 & 0.548314 & 0.924519 & 1.031364 \\ 0.841048\end{array}$ $\begin{array}{llll}0.078608 & 0.354928 & 0.948291 & 0.774391\end{array}$ $\begin{array}{llll}0.040461 & 0.193704 & 0.50329 & 0.947215 \\ 0.083122 & 0.35672 & 0.836435\end{array}$ $\begin{array}{llll}0.083122 & 0.356742 & 0.83046 & 0.726435 \\ 0.122424 & 0.360886 & 0.618622 & 0.838173\end{array}$ $\begin{array}{llll}0.065991 & 0.223243 & 0.982515 & 0.8833483\end{array}$ $\begin{array}{lllll}0.040638 & 0.289925 & 0.575307 & 0.834709 \\ 0.057932\end{array}$ $\begin{array}{lllll}0.057982 & 0.43564 & 0.792452 & 0.753431 \\ 0.067384 & 0.2304239 & 0.621022 & 0.553322\end{array}$ $\begin{array}{lllll}0.059026 & 0.310169 & 0.78848 & 0.817139\end{array}$ $\begin{array}{llllll}0.050478 & 0.406487 & 1.017467 & 0.813442\end{array}$ $\begin{array}{llllll}0.047849 & 0.273053 & 0.805332 & 0.803329\end{array}$ $\begin{array}{llllll}0.054669 & 0.271775 & 0.818514 & 0.860997\end{array}$ $\begin{array}{llllll}0.05881 & 0.47404 & 0.924623 & 1.634125\end{array}$ $\begin{array}{lllll}0.072144 & 0.329885 & 0.784671 & 0.96701\end{array}$ $\begin{array}{llll}0.054319 & 0.329928 & 0.955383 & 1.026112\end{array}$ $\begin{array}{lllll}0.056631 & 0.247814 & 0.941634 & 0.880781\end{array}$ $\begin{array}{lllll}0.079973 & 0.277376 & 0.850337 & 0.765362\end{array}$ $\begin{array}{lllllllll}0.106192 & 0.207086 & 0.885708 & 0.608787\end{array}$ $\begin{array}{lllllllll}0.09824 & 0.370824 & 0.929834 & 0.923055\end{array}$ $\begin{array}{lllll}0.158302 & 0.291667 & 0.67509 & 0.736596\end{array}$ $\begin{array}{lllll}0.122828 & 0.282057 & 1.285847 & 0.854353\end{array}$ $\begin{array}{llll}0.106933 & 0.212119 & 1.123367 & 0.50957\end{array}$ $\begin{array}{llll}0.147158 & 0.308806 & 0.719158 & 0.613542 \\ 0.128062 & 0.294995 & 1.027509 & 1.256966\end{array}$ $\begin{array}{llllll}0.162482 & 0.297697 & 0.705447 & 0.790727\end{array}$ $\begin{array}{llllll}0.179748 & 0.393266 & 0.835023 & 0.853125\end{array}$ 0.1386040 .2188780 .6051271 .207443 $\begin{array}{lllll}0.087953 & 0.148169 & 0.55054 & 0.608409\end{array}$ $\begin{array}{llll}0.18563 & 0.340092 & 0.782423 & 1.256891\end{array}$ $\begin{array}{lllll}0.183172 & 0.233362 & 1.131971 & 0.774415\end{array}$ $\begin{array}{llll}0.102894 & 0.262611 & 0.841419 & 0.549003 \\ 0.156516 & 0.240797 & 0.64644 & 0.66576\end{array}$ 1935110.3050131 .1356910 .021533 $\begin{array}{llllllll}0.208594 & 0.378392 & 1.257525 & 0.975307\end{array}$ $\begin{array}{lllll}0.126435 & 0.311532 & 1.106003 & 1.445875\end{array}$ $\begin{array}{lllll}0.092101 & 0.178655 & 0.54118 & 0.380141\end{array}$ $\begin{array}{llll}0.271389 & 0.241013 & 0.739622 & 1.945583\end{array}$ $\begin{array}{llll}0.175319 & 0.335652 & 1.052848 & 0.811148\end{array}$ $\begin{array}{lllll}0.176404 & 0.23044 & 1.038197 & 0.461495\end{array}$ $\begin{array}{llllll}0.224622 & 0.229465 & 0.858793 & 0.892075\end{array}$ $\begin{array}{lllll}0.118834 & 0.239764 & 0.564824 & 0.500844\end{array}$ $\begin{array}{lllll}0.171482 & 0.30422 & 0.82512 & 1.296215\end{array}$ $\begin{array}{lllllll}0.151075 & 0.307413 & 0.766407 & 0.706427\end{array}$ $\begin{array}{llllll}0.155115 & 0.284473 & 0.935181 & 0.870943\end{array}$ $\begin{array}{lllll}0.235668 & 0.379849 & 1.176295 & 1.196156\end{array}$ $\begin{array}{llll}0.060858 & 0.227212 & 0.643732 & 0.407575\end{array}$ $\begin{array}{lllll}0.093654 & 0.297438 & 0.924699 & 0.798719\end{array}$ $\begin{array}{lllll}0.106541 & 0.357153 & 0.520421 & 0.4857\end{array}$ $\begin{array}{lllll}0.12828 & 0.394688 & 0.895613 & 0.593411\end{array}$ 0.0811440 .2710690 .4986160 .446489 $\begin{array}{llllll}0.062651 & 0.191764 & 0.594741 & 0.549937\end{array}$ $\begin{array}{llllll}0.124907 & 0.403555 & 0.981499 & 0.679857\end{array}$ $\begin{array}{llll}0.128888 & 0.364965 & 0.804258 & 0.97462\end{array}$ 0.10046 $\begin{array}{llllll}0.083223 & 0.287509 & 0.794086 & 0.892764\end{array}$ $\begin{array}{lllll}104689 & 0.301274 & 0.991403 & 0.760449\end{array}$ $0.0702510 .294888 \quad 0.8184730 .510564$ 0.0324490 .1833070 .8815730 .401318

$\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724\end{array}$ $\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724 \\ 1000 & 1314.134 & 0.0126 & 0.143344 & 0.148397 & 0.134237 & 5.213793 & 4.323989 & 0.009377 \\ 1000 & 1212.845 & 0.008761 & 0.146329 & 0.143256 & 0.135258 & 5300213 & 3.723712 & 0.014662\end{array}$ $\begin{array}{llllllllll}1000 & 122.822 .8042 & 0.006344 & 0.078045 & 0.065562 & 0.056775 & 3.26906 & 206815 & 0.0049\end{array}$ $\begin{array}{lllllllllllll}1000 & 1057.926 & 0.00984 & 0.186461 & 0.130779 & 0.108862 & 3.89746 & 3.856332 & 0.008581\end{array}$ $\begin{array}{llllllllll}1000 & 939.6962 & 0.011593 & 0.11654 & 0.071253 & 0.106675 & 4.67773 & 3.950891 & 0.008089\end{array}$ $\begin{array}{lllllllll}1000 & 656.6868 & 0.008184 & 0.099776 & 0.090462 & 0.097649 & 3.069346 & 3.071073 & 0.00681\end{array}$ $\begin{array}{lllllllll}1000 & 995.9863 & 0.009199 & 0.080652 & 0.112816 & 0.089389 & 3.1128 & 2.713171 & 0.008849 \\ 1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.106755 & .474943 & 3.791959 & 0.012371\end{array}$ $\begin{array}{lllllllll}1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.160755 & 3.474943 & 3.791959 & 0.012371 \\ 1000 & 468.1662 & 0.010095 & 0.104887 & 0.098172 & 0.068873 & 2.946436 & 3.314206 & 0.002193\end{array}$ $\begin{array}{lllllllll} & 1000 & 910.8068 & 0.0009012 & 0.103906 & 0.115518 & 0.118607 & 2.826357 & 2.914637 \\ 0.0006797\end{array}$ $\begin{array}{lllllllllllll}1000 & 969.7647 & 0.011889 & 0.117785 & 0.107846 & 0.129505 & 2.916834 & 2.951496 & 0.005893\end{array}$ $\begin{array}{llllllllll}1000 & 941.7539 & 0.009769 & 0.10948 & 0.149838 & 0.099746 & 3.856378 & 2.899882 & 0.008123\end{array}$ $\begin{array}{llllllll}1000 & 1146.76 & 0.011035 & 0.140776 & 0.115361 & 0.11602 & 4.061689 & 4.534017\end{array} 0.00767$ $\begin{array}{lllllllll}1000 & 1717.709 & 0.010963 & 0.129181 & 0.17648 & 0.17368 & 4.745775 & 4.377571 & 0.006496\end{array}$ $\begin{array}{llllllllll}1000 & 840.095 & 0.008679 & 0.111456 & 0.0773219 & 0.135398 & 3.679415 & 2.989215 & 0.010749\end{array}$ $\begin{array}{lllllllll}000 & 868.459 & 0.018211 & 0.110842 & 0.081165 & 0.095042 & 3.754026 & 3.677707 & 0.009394\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1375.4 & 0.010683 & 0.1212313 & 0.095405 & 0.142891 & 4.681594 & 4.987215 & 0.006233 \\ 1000 & 1194.518 & 0.009757 & 0.097869 & 0.073752 & 0.05795 & 4.331643 & 3.370279 & 0.008424\end{array}$ $\begin{array}{llllllllll}1000 & 825.3739 & 0.010046 & 0.091852 & 0.100227 & 0.0919 & 2.900233 & 3.623924 & 0.007545\end{array}$ $\begin{array}{llllllllll}1000 & 759.9252 & 0.005493 & 0.100095 & 0.072774 & 0.063274 & 3.546043 & 3.603778 & 0.008046\end{array}$ $\begin{array}{lllllllll}1000 & 798.5154 & 0.013146 & 0.101625 & 0.11974 & 0.092197 & 4.73374 & 3.832405 & 0.007957\end{array}$ $\begin{array}{lllllllll}1000 & 736.1666 & 0.005416 & 0.121856 & 0.126414 & 0.078614 & 3.573001 & 4.367172 & 0.010162\end{array}$ $\begin{array}{lllllllll}1000 & 1153.928 & 0.008569 & 0.174465 & 0.122331 & 0.188732 & 5.05947 & 4.094705 & 0.013631\end{array}$ $\begin{array}{lllllllll}1000 & 935.774 & 0.00753 & 0.079013 & 0.084378 & 0.083139 & 2.689425 & 3.378592 & 0.006946 \\ 1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761\end{array}$ $\begin{array}{lllllllll}1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761 \\ 1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487\end{array}$ $\begin{array}{lllllllll}1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487 \\ 1000 & 810.2753 & 0.015265 & 0.137008 & 0.133174 & 0.107921 & 3.664093 & 3.422518 & 0.006369\end{array}$ $\begin{array}{llllllll}1000 & 1094.526 & 0.004204 & 0.2223 & 0.105314 & 0.112766 & 3.663998 & 4.004846 \\ 0.010632\end{array}$ $\begin{array}{llllllllll}1000 & 642.3901 & 0.004042 & 0.100016 & 0.078713 & 0.07949 & 3.194528 & 2.722818 & 0.008017\end{array}$ $\begin{array}{llllllllll}1000 & 628.8855 & 0.00793 & 0.072868 & 0.095958 & 0.066717 & 2.641954 & 2.796912 & 0.006714\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1104.88 & 0.016874 & 0.159471 & 0.112661 & 0.16075 & 5.640984 & 5.503371 & 0.011981 \\ 1000 & 950.7537 & 0.012505 & 0.141978 & 0.206623 & 0.094436 & 5.741114 & 3.93216 & 0.011237\end{array}$ | 1000 | 950.7537 | 0.012505 | 0.141978 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 675.6155 | 0.01306623 | 0.094436 | 5.741144 | 3.93216 | 0.011237 | $\begin{array}{lllllllll}1000 & 675.6155 & 0.013358 & 0.094351 & 0.100145 & 0.081945 & 2.702212 & 3.309064 & 0.007052 \\ 1000 & 699.0919 & 0.012045 & 0.103817 & 0.0702 & 0.129459 & 3.146384 & 6.102771 & 0.010115\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 1391.952 & 0.017838 & 0.18748 & 0.114807 & 0.148541 & 4.765218 & 6.007297 & 0.014668\end{array}$ $\begin{array}{lllllllll}1000 & 972.4422 & 0.026949 & 0.171627 & 0.225703 & 0.187725 & 5.831971 & 6.567721 & 0.011072\end{array}$ $\begin{array}{lllllllll}1000 & 934.4642 & 0.026066 & 0.161105 & 0.085823 & 0.115728 & 4.373668 & 4.070834 & 0.007315\end{array}$ $\begin{array}{llllllllll}1000 & 866.3168 & 0.01262 & 0.089431 & 0.119461 & 0.072188 & 3.719378 & 2.852897 & 0.00727\end{array}$ $\begin{array}{lllllllll}1000 & 1273.248 & 0.012908 & 0.148538 & 0.20432 & 0.150431 & 5.024866 & 5.163222 & 0.00641\end{array}$ $\begin{array}{lllllllll}1000 & 823.7565 & 0.015822 & 0.147482 & 0.076345 & 0.110064 & 4.026913 & 3.795389 & 0.011093 \\ 1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.650954 & 3.84770 & 0\end{array}$ $\begin{array}{lllllllll}1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.659054 & 3.847701 & 0.006847 \\ 1000 & 1601.796 & 0.015977 & 0.160009 & 0.217227 & 0.126429 & 6.013255 & 5.623932 & 0.010656\end{array}$

 $\begin{array}{lllllllll}1000 & 1207.492 & 0.014945 & 0.141934 & 0.070562 & 0.118966 & 4.56244 & 4.745123 & 0.008532 \\ 1000 & 935.9584 & 0.019678 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 & 0.013021\end{array}$ $\begin{array}{lllllllll} & 1000 & 935.9584 & 0.019668 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 \\ 100.013021\end{array}$ $\begin{array}{lllllllll}1000 & 980.2241 & 0.019628 & 0.13932 & 0.136654 & 0.128822 & 4.810954 & 3.927325 & 0.015\end{array}$ $\begin{array}{lllllllll}1000 & 1072.054 & 0.017466 & 0.122536 & 0.101476 & 0.092885 & 3.727004 & 4.754726 & 0.011927 \\ 1000 & 871.3588 & 017403 & 0.117609 & 0.145537 & 0.13896 & 5.782348 & 3.067168 & 0.015504\end{array}$ | 1000 | 871.3598 | 0.017403 | 0.1177609 | 0.148537 | 0.138966 | 5.782348 | 3.967168 | 0.011504 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 50 | 0.486 | 0.015357 | 0.083089 | 0.097764 | 0.0721181 | 2.37546 | 2.844772 | $\begin{array}{lllllllll}1000 & 590.4886 & 0.015357 & 0.083089 & 0.097764 & 0.072181 & 2.37546 & 2.842472 & 0.004875 \\ 1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978\end{array}$ $\begin{array}{lllllllll}1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978 \\ 1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971\end{array}$ $\begin{array}{lllllllll}1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971 \\ 1000 & 953.1981 & 0.011467 & 0.079845 & 0.083828 & 0.081971 & 3.130798 & 2.875965 & 0.0075\end{array}$ $\begin{array}{llllllllll}1000 & 786.3665 & 0.011003 & 0.111745 & 0.083138 & 0.085632 & 3.045788 & 4.138835 & 0.006401\end{array}$ $1000779.17980 .007137 \quad 0.074965 \quad 0.0561010 .050071 \quad 2.569714 \begin{array}{llllll}2.318661 & 0.006408\end{array}$ $\begin{array}{lllllllll}1000 & 1138.032 & 0.008071 & 0.069274 & 0.055496 & 0.081711 & 2.420766 & 2.944648 & 0.005274\end{array}$ $\begin{array}{lllllllll}1000 & 967.2996 & 0.007905 & 0.108083 & 0.124799 & 0.112681 & 3.24776 & 3.565569 & 0.010354\end{array}$ $\begin{array}{llllllllll}000 & 1137.394 & 0.011527 & 0.108725 & 0.112716 & 0.098459 & 3.711297 & 3.966414 & 0.009305\end{array}$ $\begin{array}{lllllllll}1000 & 1054.098 & 0.01131 & 0.123678 & 0.131814 & 0.123897 & 4.359598 & 3.59772 & 0.007631 \\ 1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.567727 & 3.09438 & 0.073815\end{array}$ $\begin{array}{lllllllll}1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.566727 & 3.094386 & 0.003815 \\ 1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726\end{array}$ $\begin{array}{lllllllll}1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726 \\ 1000 & 1190.673 & 0.007676 & 0.136985 & 0.179157 & 0.10538 & 5.111012 & 4.06661 & 0.006932\end{array}$ $\begin{array}{llllllllll}1000 & 781.6559 & 0.00144 & 0.076454 & 0.085927 & 0.092004 & 3.070401 & 4.162695 & 0.005284\end{array}$ $\begin{array}{lllllllll}1000 & 480.0231 & 0.00205 & 0.070863 & 0.072502 & 0.040079 & 2.21988 & 2.657295 & 0.004266\end{array}$



$\begin{array}{llll}0.064153 & 0.428219 & 1.073572 & 1.003504\end{array}$ $\begin{array}{llll}0.140171 & 0.293634 & 0.950208 & 1.022423 \\ 0.138607 & 0.302868 & 0.547557 & 0.758566\end{array}$ $\begin{array}{llllllll}0.205069 & 0.334294 & 0.839476 & 0.990811\end{array}$ $\begin{array}{lllll}0.117092 & 0.327536 & 0.664661 & 0.615615\end{array}$ $\begin{array}{llllll}0.070089 & 0.348601 & 0.742771 & 0.717867\end{array}$ $\begin{array}{lllll}0.14173 & 0.401964 & 1.244778 & 0.727814\end{array}$ $\begin{array}{llll}0.14673 & 0.441382 & 0.728918 & 0.86081 \\ 0.05107 & 0.16422 & 0.389158 & 0.847918\end{array}$ $\begin{array}{llll}0.05107 & 0.160429 & 0.389158 & 0.347918 \\ 0.073356 & 0.152928 & 1.109681 & 0.40038\end{array}$ $\begin{array}{lllll}0.092766 & 0.266071 & 0.906047 & 0.641815\end{array}$ $\begin{array}{lllll}0.105051 & 0.44471 & 1.203955 & 0.955418\end{array}$ $\begin{array}{llllll}0.137519 & 0.291295 & 0.840887 & 0.686718\end{array}$ $\begin{array}{llllll}0.134755 & 0.400055 & 1.503777 & 0.933686\end{array}$ $\begin{array}{lllll}0.077926 & 0.214366 & 0.949633 & 0.819108\end{array}$ $\begin{array}{llll}0.164977 & 0.485574 & 1.189996 & 1.260271 \\ & 0.07714\end{array}$ $\begin{array}{llll}0.097614 & 0.317064 & 1.075284 & 0.677857 \\ & 0.08327 & 0.283005 & 0.650712\end{array}$ $\begin{array}{lllll}0.120502 & 0.395006 & 0.788366 & 0.665403\end{array}$ $\begin{array}{lllll}0.095494 & 0.304593 & 1.25892 & 0.871324\end{array}$ $\begin{array}{llll}0.178691 & 0.368321 & 0.723138 & 0.75187\end{array}$ $\begin{array}{lllll}0.092462 & 0.367114 & 1.216624 & 1.691076\end{array}$ $\begin{array}{llllll}0.091478 & 0.319751 & 0.716276 & 0.748216\end{array}$ $\begin{array}{llll}0.076688 & 0.400829 & 0.578085 & 0.899799\end{array}$ $\begin{array}{llll}0.100714 & 0.268723 & 0.557764 & 1.147369\end{array}$ $\begin{array}{llll}0.18815 & 0.250353 & 1.325762 & 0.905227 \\ 0.197822 & 0.317974 & 1.075452 & 1.116858\end{array}$ $\begin{array}{llll}0.170597 & 0.307017 & 0.592119 & 0.909335\end{array}$ $\begin{array}{lllllll}0.222245 & 0.380056 & 0.796409 & 0.808202\end{array}$ $\begin{array}{lllllll}0.212248 & 0.424086 & 0.819878 & 0.86843\end{array}$ $\begin{array}{lllll}0.227464 & 0.46127 & 0.835362 & 1.225868\end{array}$ $\begin{array}{lllll}0.109399 & 0.236563 & 0.587713 & 0.529187 \\ & 0.151325 & 0.296208 & 1.327717 & 0.619148\end{array}$ $\begin{array}{llll}0.151325 & 0.296208 & 1.324717 & 0.610147\end{array}$ $\begin{array}{lllll}0.200734 & 0.288888 & 0.768089 & 0.779582 \\ 0.12759 & 0.285911 & 0.652162 & 0.707576\end{array}$ 0.126570 .31334800 .7545691279064 $\begin{array}{lllll}0.137394 & 0.415276 & 0.726612 & 0.868712\end{array}$ $\begin{array}{lllll}0.106277 & 0.385841 & 0.727755 & 1.01888\end{array}$ $\begin{array}{lllllllll}0.124579 & 0.267779 & 0.901066 & 0.740187\end{array}$ 0.1339760 .4018130 .8351210 .913973 $\begin{array}{llll}0.227371 & 0.369062 & 0.756709 & 1.063088\end{array}$ $\begin{array}{llll}0.142988 & 0.364877 & 0.785734 & 0.765374 \\ & 0.16683 & 0.322104 & 0.663781\end{array}$ $\begin{array}{llll}0.170449 & 0.262537 & 0.652873 \\ 0 & 0.517265\end{array}$ $\begin{array}{lllll}0.28426 & 0.374279 & 1.127742 & 0.658041\end{array}$ $\begin{array}{lllll}0.245513 & 0.24353 & 0.969393 & 0.846725\end{array}$ $\begin{array}{llll}0.168267 & 0.341253 & 1.328516 & 0.943692\end{array}$ $\begin{array}{lllll}0.243765 & 0.412919 & 0.751608 & 0.887613\end{array}$ $\begin{array}{lllll}0.16887 & 0.329726 & 0.649183 & 0.582005\end{array}$ $\begin{array}{llll}0.199974 & 0.40495 & 1.045296 & 0.891274 \\ 0.195102 & 0.265352 & 0.3361 & 0.893641\end{array}$ $\begin{array}{lllll}0.195102 & 0.265352 & 0.93661 & 0.893641 \\ 0.141689 & 0.335065 & 0.812248 & 1.086095\end{array}$ | 0.219309 | 0.345642 | 2.033384 | 1.222271 |
| :--- | :--- | :--- | :--- | 0.1097840 .2973960 .7933151 .053296 $\begin{array}{lllll}0.205643 & 0.261881 & 0.820912 & 1.083314\end{array}$ $\begin{array}{llll}0.143569 & 0.232453 & 1.20309 & 0.561548\end{array}$ $\begin{array}{llll}0.172645 & 0.358922 & 0.681656 & 0.724674\end{array}$ $\begin{array}{llll}0.209062 & 0.472229 & 0.884543 & 1.244\end{array}$ $\begin{array}{llll}0.11362 & 0.268746 & 0.620917 & 0.680286 \\ 0.175269 & 0.420059 & 0.873942 & 0.97393\end{array}$ $\begin{array}{llll}0.115269 & 0.420059 & 0.873942 & 0.97393 \\ 0.150392 & 0.419424 & 1.35535 & 0.962739\end{array}$ $\begin{array}{lllll}0.214344 & 0.400134 & 0.984841 & 1.220825\end{array}$ $\begin{array}{lllll}0.153693 & 0.3126 & 0.611566 & 0.530872\end{array}$ 0.1287230 .2315920 .9233220 .851162

$\begin{array}{lllllllllll}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561 \\ 100 & 1009.83 & 0.011537 & 0.102049 & 0.101 & 0.110023 & 5.890018 & 4.048303 & 0.005168 \\ 1000 & 7225421 & 0.0073 & 0.102356 & 0.09873 & 0.082814 & 3.99296 & 390313 & 0.009318\end{array}$ $\begin{array}{rrrrrrrr}1000 & 722.5421 & 0.0073 & 0.102356 & 0.099873 & 0.082814 & 3.99296 & 3.90313 \\ 0.009318 \\ 1000 & 1303.767 & 0.006945 & 0.126795 & 0.106335 & 0.105594 & 4.05284 & 4.028797 \\ 0.007816\end{array}$ $\begin{array}{lllllllll}1000 & 1468.719 & 0.009617 & 0.093574 & 0.083098 & 0.086163 & 3.98247 & 4.347284 & 0.010149\end{array}$ $\begin{array}{lllllllll}1000 & 1265.676 & 0.006611 & 0.133749 & 0.076141 & 0.10549 & 4.167701 & 3.366054 & 0.004713\end{array}$ $\begin{array}{lllllllll}10000 & 1217.176 & 0.0007694 & 0.2039 & 0.11013 & 0.144815 & 5.108663 & 5.2036264 & 0.00087941 \\ 1000 & 0.13747\end{array}$ $\begin{array}{llllllll}1000 & 12170.257 & 0.0003597 & 0.172183 & 0.234495 & 0.160637 & 5.298311 & 4.7222655 \\ 1000 & 0.0109554 \\ 1000 & 761.5618 & 0.00359 & 0.064412 & 0.075034 & 0.078481 & 2373977 & 1.272426\end{array}$ $\begin{array}{lllllllll}1000 & 761.5618 & 0.003579 & 0.066412 & 0.075034 & 0.078481 & 2.373977 & 1.972426 & 0.002989 \\ 1000 & 541.1439 & 0.003887 & 0.095512 & 0.099387 & 0.071018 & 3.2548 & 2.621313 & 0.005443\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 666.2193 & 0.00873 & 0.109535 & 0.106178 & 0.102754 & 4.080327 & 3.450504 & 0.008829\end{array}$ $\begin{array}{lllllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.539125 & 4.968915 & 0.01309\end{array}$ $\begin{array}{llllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.5392125 & 4.968915\end{array} 0.01309$ $\begin{array}{lllllllll}1000 & 11777.309 & 0.006974 & 0.142679 & 0.101946 & 0.137164 & 5.821989 & 4.765862 & 0.014689\end{array}$ $\begin{array}{lllllllll}1000 & 770.8305 & 0.001586 & 0.12416 & 0.110096 & 0.105407 & 3.300406 & 3.507801 & 0.011028\end{array}$ $\begin{array}{llllllll}1000 & 1151.999 & 0.006522 & 0.169177 & 0.13858 & 0.14385 & 5.258191 & 4.402483 \\ 1000 & 1241.367 & 0.00720972 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 506889\end{array}$ $\begin{array}{lllllllll}1000 & 1241.367 & 0.007272 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 5.060819 & 0.011069 \\ 1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636\end{array}$ $\begin{array}{lllllllll}1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636 \\ 1000 & 1473.146 & 0.009307 & 0.138317 & 0.109451 & 0.153824 & 4.059715 & 4.710853 & 0.007696\end{array}$ $\begin{array}{lllllllllll}1000 & 966.1628 & 0.004894 & 0.134445 & 0.174338 & 0.129753 & 4.613011 & 4.656877 & 0.010829\end{array}$ $\begin{array}{lllllllll}1000 & 1203.369 & 0.006895 & 0.111525 & 0.065892 & 0.124749 & 6.626926 & 5.077498 & 0.009253\end{array}$ $\begin{array}{llllllll}1000 & 959.8813 & 0.0077 & 0.113609 & 0.137747 & 0.142445 & 5.311178 & 4.162853 \\ 0 & 0.013128\end{array}$ $\begin{array}{lllllllll}1000 & 836.3536 & 0.004295 & 0.090361 & 0.04574 & 0.10898 & 3.386657 & 3.330615 & 0.007843\end{array}$ $\begin{array}{llllllllll}1000 & 846.6717 & 0.009314 & 0.125232 & 0.116362 & 0.092421 & 3.447695 & 3.402139 & 0.010669 \\ 1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.09614 & 4.406911 & 3.316749 & 0.010054\end{array}$ $\begin{array}{lllllllll}1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.096614 & 4.406911 & 3.316749 & 0.010054 \\ 1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018\end{array}$ $\begin{array}{lllllllll}1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018 \\ 1000 & 889.9109 & 0.014421 & 0.147095 & 0.148431 & 0.132884 & 5.232413 & 8.299621 & 0.009512\end{array}$ $\begin{array}{llllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529\end{array}$ $\begin{array}{lllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529 \\ 1000 & 1566.007 & 0.009014 & 0.104414 & 0.073815 & 0.087362 & 4.719183 & 4.181501 & 0.006251\end{array}$ $\begin{array}{lllllllll}1000 & 14922.27 & 0.019463 & 0.146279 & 0.088164 & 0.087652 & 4.719183 & 4.181501 & 0.006251 \\ 1000 & 1272335 & 4.469715 & 0.009748\end{array}$ $\begin{array}{lllllllll}1000 & 1232.601 & 0.020557 & 0.153153 & 0.069042 & 0.146379 & 6.120509 & 5.251961 & 0.012305 \\ 1000 & 583.2728 & 0.005053 & 0.082876 & 0.102909 & 0.000287 & 383033 & 3.151745 & 0.012055\end{array}$ $\begin{array}{lllllllll}1000 & 583.27288 & 0.005053 & 0.088276 & 0.10029 & 0.080287 & 3.380303 & 3.151745 & 0.012056 \\ 1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15877 & 5630514 & 4.128274 & 0.08459\end{array}$ $\begin{array}{lllllllll}1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15837 & 5.630514 & 4.128274 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 960.4729 & 0.017961 & 0.232074 & 0.107411 & 0.129209 & 7.594916 & 5.081136 & 0.004667\end{array}$ $\begin{array}{llllllllll}1000 & 1086.937 & 0.010636 & 0.169562 & 0.238057 & 0.163304 & 4.704986 & 4.150655 & 0.011912\end{array}$ $\begin{array}{lllllllll}1000 & 9555.9543 & 0.019108 & 0.148816 & 0.151553 & 0.161313 & 5.081182 & 4.321502 & 0.016432\end{array}$ $\begin{array}{lllllllll}1000 & 1123.867 & 0.015806 & 0.159322 & 0.128121 & 0.201149 & 5.269776 & 4.719362 & 0.010186\end{array}$ $\begin{array}{lllllllll}1000 & 904.6774 & 0.0151 & 0.168578 & 0.153267 & 0.149597 & 6.090176 & 4.683259 & 0.014775\end{array}$
 $\begin{array}{lllllllll}1000 & 1183.671 & 0.016898 & 0.182995 & 0.260827 & 0.166664 & 5.006511 & 5.042121 & 0.011442 \\ 1000 & 944.8484 & 0.013569 & 0.182379 & 0.15304 & 0.19446 & 5.420815 & 5.695089 & 0.013652\end{array}$ $\begin{array}{lllllllll}1000 & 944.8484 & 0.013569 & 0.182379 & 0.153046 & 0.194476 & 5.420815 & 5.695089 & 0.013652 \\ 1000 & 958.666 & 0.01158 & 0.194628 & 0.281344 & 0.177829 & 5.1252 & 4.494743 & 0.01171\end{array}$ $\begin{array}{llllllllll}1000 & 958.666 & 0.01158 & 0.194188 & 0.281344 & 0.17829 & 5.1252 & 4.494743 & 0.01171 \\ 1000 & 759.4089 & 0.017267 & 0.171005 & 0.129457 & 0.119355 & 5.105776 & 3.708357 & 0.011883\end{array}$ $\begin{array}{lllllllll}1000 & 1032.215 & 0.027246 & 0.197718 & 0.198032 & 0.161281 & 4.181784 & 5.245336 & 0.009763\end{array}$ $\begin{array}{llllllll}1000 & 987.8592 & 0.010513 & 0.190424 & 0.174012 & 0.146373 & 3.863268 & 4.735385 \\ 0.008578\end{array}$ $\begin{array}{lllllllll}1000 & 1356.524 & 0.017078 & 0.152932 & 0.158866 & 0.131476 & 5.006098 & 5.672066 & 0.011279\end{array}$ $\begin{array}{llllllllll}1000 & 972.1363 & 0.016554 & 0.124432 & 0.160092 & 0.149319 & 4.486351 & 4.750738 & 0.007207\end{array}$ $\begin{array}{lllllllll}1000 & 758.3561 & 0.018017 & 0.111291 & 0.08496 & 0.157827 & 5.142362 & 4.018699 & 0.001717\end{array}$ $\begin{array}{lllllllll}1000 & 1197.268 & 0.019938 & 0.156896 & 0.124387 & 0.151774 & 7.154569 & 5.428442 & 0.016625 \\ 1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983\end{array}$ $\begin{array}{lllllllll}1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983 \\ 1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855\end{array}$ $\begin{array}{lllllllll}1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855 \\ 1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696\end{array}$ $\begin{array}{lllllllll}1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696 \\ 1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976\end{array}$ $\begin{array}{lllllllll}1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976 \\ 1000 & 1280.897 & 0.01801 & 0.149515 & 0.25728 & 0.146798 & 5.375388 & 4.469335 & 0.011297\end{array}$ $\begin{array}{llllllllll}1000 & 821.0465 & 0.013111 & 0.163307 & 0.103987 & 0.109989 & 3.213904 & 3.01078 & 0.011848 \\ 1000 & 975.0024 & 0.011618 & 0.204645 & 0.128286 & 0.15069 & 4765431 & 424479 & 0.012293\end{array}$ $\begin{array}{lllllllll}1000 & 975.0024 & 0.0111618 & 0.204645 & 0.128286 & 0.150601 & 4.766431 & 4.244479 & 0.012293 \\ 1000 & 1353.707 & 0.01283 & 0.139656 & 0.261777 & 0.175377 & 578856 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1353.707 & 0.012683 & 0.139656 & 0.261776 & 0.175377 & 5.788586 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1226.563 & 0.011309 & 0.110484 & 0.13354 & 0.081493 & 3.712063 & 3.023272 & 0.008563 \\ 1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839\end{array}$ $\begin{array}{lllllllll}1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839 \\ 1000 & 1504.651 & 0.011049 & 0.115888 & 0.136057 & 0.118441 & 4.878296 & 4.716996 & 0.013628\end{array}$ $\begin{array}{lllllllll}1000 & 1504.0151 & 0.011049 & 0.115888 & 0.136037 & 0.118441 & 4.878696 & 4.716996 & 0.013628 \\ 1000 & 1620.102 & 0.019219 & 0.1676 & 0.239357 & 0.137936 & 5.66185 & 4.911747 & 0.019953\end{array}$ $\begin{array}{llllllllll}1000 & 632.2798 & 0.005042 & 0.144944 & 0.117164 & 0.082411 & 3.868752 & 4.352407 & 0.01109\end{array}$ $\begin{array}{llllllllll}1000 & 1209.605 & 0.012007 & 0.12911 & 0.148343 & 0.127153 & 6.186456 & 4.126125 & 0.013601\end{array}$


[^11]$\begin{array}{lllll}0.156802 & 0.336185 & 0.811196 & 0.660281\end{array}$ $\begin{array}{lllll}0.1304 & 0.416108 & 0.982435 & 0.995332\end{array}$ $\begin{array}{lllll}0.164657 & 0.414642 & 1.286325 & 0.814682\end{array}$ $\begin{array}{lllll}0.16333 & 0.265737 & 1.016627 & 1.505779\end{array}$ $\begin{array}{llllll}0.132063 & 0.150153 & 0.593459 & 0.446199\end{array}$ $\begin{array}{lllll}0.18338 & 0.301563 & 0.63704 & 0.547468\end{array}$ $\begin{array}{lllll}0.193288 & 0.348994 & 0.795246 & 0.624657\end{array}$ $\begin{array}{llll}0.182895 & 0.297279 & 1.522326 & 0.996742\end{array}$ | 0.136166 | 0.448932 | 0.812216 | 0.82741 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.166593 & 0.372239 & 0.740077 & 1.233349\end{array}$ $\begin{array}{lllllll}0.119483 & 0.317661 & 0.955944 & 0.74092\end{array}$ $\begin{array}{llllll}0.092751 & 0.364587 & 1.077446 & 0.670345\end{array}$ $\begin{array}{llllll}0.111184 & 0.329618 & 0.804582 & 0.976275\end{array}$ 0.0825080 .3577870 .5741230 .558875 $\begin{array}{llll}0.093419 & 0.380035 & 0.70936 & 0.535006\end{array}$ $\begin{array}{lllll}0.078632 & 0.327271 & 1.287581 & 0.513471\end{array}$ $\begin{array}{llllll}0.06873 & 0.293347 & 0.6105 & 0.782362\end{array}$ $\begin{array}{llll}0.058713 & 0.586136 & 1.66183 & 0.85649\end{array}$ $\begin{array}{llllll}0.091157 & 0.458787 & 0.886809 & 1.100819\end{array}$ 0.0986020 .639120 .9561670 .905655 0.0838030 .2891851 .5191961 .132648 $\begin{array}{llll}0.097156 & 0.378377 & 2.159132 & 1.047872\end{array}$ $\begin{array}{llll}0.165535 & 0.34826 & 1.100388 & 0.813459 \\ 0.130403 & 0.243433 & 0.89218 & 1.434105\end{array}$ $\begin{array}{lllll}0.069843 & 0.25077 & 0.754967 & 0.703251\end{array}$ $\begin{array}{llll}0.151462 & 0.389644 & 1.021839 & 1.226117\end{array}$ $\begin{array}{lllll}0.125203 & 0.400265 & 1.151153 & 1.301608\end{array}$ $\begin{array}{llllll}0.093322 & 0.268268 & 0.916284 & 0.842831\end{array}$ $\begin{array}{llllll}0.117466 & 0.334103 & 1.234876 & 0.721943\end{array}$ $\begin{array}{lllll}0.07016 & 0.351919 & 0.985397 & 0.894241\end{array}$ $\begin{array}{llll}0.09736 & 0.280501 & 0.912747 & 0.839223 \\ 0.148435 & 0.312799 & 1.322028 & 0.928878\end{array}$ $\begin{array}{llll}181878 & 0.324522 & 0.864256 & 0.933392\end{array}$ $\begin{array}{lllll}0.10109 & 0.360152 & 1.134205 & 0.641044\end{array}$ 0.1131840 .2935090 .6708670 .566619 $\begin{array}{llllllll}0.183946 & 0.261541 & 1.167847 & 0.709528\end{array}$ $\begin{array}{lllll}0.127311 & 0.264422 & 0.981861 & 1.405452\end{array}$ $\begin{array}{llll}0.124406 & 0.262854 & 0.643265 & 0.718278\end{array}$ $\begin{array}{llll}0.141174 & 0.194931 & 0.74248 & 0.580795 \\ 0.140729 & 0.340333 & 1.073844 & 0.678784\end{array}$ $\begin{array}{lllll}0.113245 & 0.251153 & 0.756173 & 1185178\end{array}$ $\begin{array}{lllll}0.186409 & 0.501212 & 1.146377 & 0.825026\end{array}$ $\begin{array}{llllll}0.189009 & 0.39367 & 1.206383 & 0.816558\end{array}$ $\begin{array}{lllllll}0.105343 & 0.273787 & 0.624455 & 0.617395\end{array}$ $\begin{array}{lllll}0.094836 & 0.386038 & 0.65701 & 0.783041\end{array}$ $\begin{array}{llll}0.184515 & 0.366662 & 0.841663 & 0.774902\end{array}$ $\begin{array}{lllll}0.159296 & 0.3642 & 0.577803 & 0.930993 \\ 0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.176784 & 0.256771 & 0.663348 & 0.725808\end{array}$ $\begin{array}{llllll}0.272723 & 0.308461 & 0.547783 & 0.806288\end{array}$ $\begin{array}{lllll}0.177843 & 0.236207 & 0.59383 & 0.5019\end{array}$ $\begin{array}{llllllll}0.171904 & 0.229789 & 0.677011 & 0.889999\end{array}$ $\begin{array}{llllll}0.142661 & 0.285705 & 0.707848 & 0.763686\end{array}$ $\begin{array}{lllll}1.250867 & 0.266861 & 0.786235 & 0.787274\end{array}$ $\begin{array}{lllll}0.204669 & 0.302589 & 0.638354 & 0.775784\end{array}$ $\begin{array}{llll}0.277893 & 0.386646 & 1.012239 & 0.704005\end{array}$ $\begin{array}{lllll}0.144698 & 0.26147 & 0.641721 & 0.738944\end{array}$ $\begin{array}{llllllll}0.155367 & 0.24941 & 0.853529 & 0.836242\end{array}$ $\begin{array}{lllll}0.213997 & 0.37382 & 0.937388 & 0.698065\end{array}$


$\begin{array}{llllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688\end{array}$ $\begin{array}{lllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688 \\ 1000 & 1142.785 & 0.012546 & 0.121967 & 0.070598 & 0.106614 & 4.668582 & 4.401344 & 0.015845 \\ 1000 & 848.7296 & 0.010853 & 0.112926 & 0.094467 & 0.087426 & 4072233 & 4.376148 & 0.01277\end{array}$ $\begin{array}{lllllllll} & 1000 & 848.7296 & 0.010853 & 0.119296 & 0.094467 & 0.087426 & 4.072223 & 4.376148 \\ 1000 & 1256.302 & 0.016924 & 0.128327 & 0.097248 & 0.115543 & 6.561202 & 4.883656 & 0.021988\end{array}$ |  | 1000 | 1111.8 | 0.017854 | 0.14843 | 0.175662 | 0.156673 | 4.700749 | 5.092608 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 930.8341 & 0.008851 & 0.109438 & 0.084826 & 0.08084 & 3.122222 & 3.159298 & 0.012982\end{array}$ $\begin{array}{lllllllll}1000 & 931.1121 & 0.009201 & 0.102716 & 0.148806 & 0.117401 & 3.034296 & 3.409186 & 0.007641 \\ 1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.40861 & 3.238818 & 0.008464\end{array}$ $\begin{array}{lllllllll}1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.408601 & 3.239818 & 0.008464 \\ 1000 & 1350.826 & 0.011173 & 0.147193 & 0.17179 & 0.123483 & 4.702893 & 4.875887 & 0.01006\end{array}$ | 1000 | 1350.826 | 0.011173 | 0.147198 | 0.117179 | 0.123483 | 4.708293 | 4.875887 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1029.198 | 0.012516 | 0.118734 | 0.08782 | 0.15033 | 4.75417 | 3.668177 | $\begin{array}{lllllllll}1000 & 1029.198 & 0.012516 & 0.118734 & 0.08782 & 0.15033 & 4.75417 & 3.668177 & 0.013022 \\ 1000 & 1083.312 & 0.004532 & 0.127741 & 0.162303 & 0.100311 & 4.969491 & 4.280666 & 0.00899\end{array}$ $\begin{array}{llllllllll}1000 & 941.5414 & 0.007205 & 0.170751 & 0.09431 & 0.165456 & 5.743736 & 4.801306 & 0.008869\end{array}$ $\begin{array}{llllllllll}1000 & 1121.326 & 0.007873 & 0.111762 & 0.103718 & 0.091189 & 4.249214 & 3.43527 & 0.005157\end{array}$ $\begin{array}{lllllllll}1000 & 1392.806 & 0.002057 & 0.117566 & 0.071279 & 0.104053 & 4.077246 & 4.517924 & 0.006405\end{array}$ $\begin{array}{lllllllll}1000 & 1091.412 & 0.004959 & 0.093483 & 0.127933 & 0.093236 & 4.849564 & 5.131287 & 0.007653\end{array}$ $\begin{array}{lllllllll}1000 & 900.9049 & 0.00151 & 0.094107 \\ 1000 & 0.031457 & 0.038395 & 5.106462 & 5.043172 & 0.004862\end{array}$ $\begin{array}{llllllll}1000 & 814.7465 & 0.006633 & 0.058072 & 0.033558 & 0.063523 & 4.186504 & 4.720677 \\ 1000 & 1169.004543\end{array}$ $\begin{array}{llllllll}1000 & 1169.241 & 0.005851 & 0.078612 & 0.078335 & 0.083863 & 4.821417 & 5.155334 \\ 10.005118 \\ 1000 & 992.3171 & 0.001816 & 0.0529 & 0.043502 & 0.07013 & 4.210088 & 4.24841\end{array} 0.002556$ $\begin{array}{lllllllll}1000 & 1087.796 & 0.003691 & 0.064379 & 0.04535 & 0.054161 & 3.727103 & 3.970125 & 0.00676\end{array}$ $\begin{array}{lllllllll}1000 & 1501.723 & 0.006928 & 0.125066 & 0.073892 & 0.0064441 & 5.986687 & 8.609248 & 0.013161\end{array}$ $\begin{array}{llllllll}1000 & 1741.611 & 0.011028 & 0.081342 & 0.055671 & 0.099129 & 5.652936 & 7.173677 \\ 0.0009522\end{array}$ $\begin{array}{lllllllll}1000 & 1069.434 & 0.01352 & 0.102832 & 0.069983 & 0.083859 & 4.743862 & 5.328806 & 0.006330 \\ 1000 & 807.8561 & 0.005737 & 0.10065 & 0.052482 & 0.109298 & 479463 & 7.116024 & 0.055518\end{array}$ | 1000 | 807.8561 | 0.005737 | 0.10065 | 0.052482 | 0.109298 | 4.74963 | 7.116024 | 0.005518 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1055.094 & 0.006456 & 0.124252 & 0.100999 & 0.108142 & 5.375173 & 6.070532 & 0.00985 \\ 1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825\end{array}$ $\begin{array}{lllllllll}1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825 \\ 1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551\end{array}$ $\begin{array}{lllllllll}1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551 \\ 1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915\end{array}$ $\begin{array}{lllllllll}1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915 \\ 1000 & 1037.89 & 0.013717 & 0.131911 & 0.074119 & 0.158432 & 4.577732 & 5.320336 & 0.015367\end{array}$ $\begin{array}{lllllllll}1000 & 12655.879 & 0.018224 & 0.170052 & 0.195236 & 0.1554158 & 5.577732 & 5.320336 & 0.015367 \\ 10.959382 & 5.998955 & 0.016473\end{array}$ $\begin{array}{llllllll}1000 & 713.3995 & 0.011314 & 0.110475 & 0.110703 & 0.098273 & 3.444358 & 4.219615\end{array} 0.0 .007909$ $\begin{array}{lllllllll}1000 & 953.8412 & 0.015118 & 0.118741 & 0.160586 & 0.11595 & 4.508187 & 5.121374 & 0.019568 \\ 1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.16585 & 5741598 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.166585 & 5.741589 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 849.4769 & 0.010834 & 0.143213 & 0.144196 & 0.158865 & 4.494118 & 4.937121 & 0.012118 \\ 1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713\end{array}$ $\begin{array}{lllllllll}1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713 \\ 1000 & 1106.164 & 0.014474 & 0.147302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010067\end{array}$ $\begin{array}{lllllllll}1000 & 1106.164 & 0.014474 & 0.1427302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010006 \\ 1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425 \\ 1000 & 1040.059 & 0.009651 & 0.127832 & 0.081775 & 0.114569 & 4.223157 & 4.191935 & 0.014849\end{array}$ $\begin{array}{lllllllll}1000 & 1171.482 & 0.020334 & 0.144164 & 0.133101 & 0.164684 & 4.785438 & 5.575762 & 0.014057\end{array}$ $\begin{array}{lllllllll}1000 & 1646.916 & 0.018529 & 0.159792 & 0.133121 & 0.129915 & 6.947311 & 5.862058 & 0.018404 \\ 1000 & 763.6563 & 0.010716 & 0.140539 & 0.151825 & 0.194316 & 4.498544 & 4.353987 & 0.01900\end{array}$ | 1000 | 763.6563 | 0.010716 | 0.140539 | 0.151825 | 0.124316 | 4.498544 | 4.353987 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1508.203 | 0.010687 | 0.128005 |  |  |  |  | $\begin{array}{lllllllll}1000 & 1508.203 & 0.010687 & 0.128506 & 0.097149 & 0.107359 & 4.612626 & 4.39047 & 0.013133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.856 & 0.012244 & 0.197738 & 0.150688 & 0.176148 & 5.289377 & 6.998236 & 0.011525 \\ 1000 & 1251.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 & 0.014893\end{array}$ $\begin{array}{llllllll}100 & 12121.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 \\ 10.014893 \\ 100 & 1122.649 & 0.015521 & 0.250811 & 0.167484 & 0.202905 & 7.265624 & 5.987701\end{array} 0.020928$ $\begin{array}{llllllllll}1000 & 962.0733 & 0.016625 & 0.215939 & 0.159062 & 0.175853 & 6.560653 & 6.22709 & 0.02142\end{array}$ $\begin{array}{llllllllll}1000 & 770.4902 & 0.016994 & 0.139025 & 0.148678 & 0.097901 & 4.236309 & 3.655146 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 956.9821 & 0.013562 & 0.135491 & 0.199865 & 0.130878 & 4.243713 & 3.459821 & 0.011978\end{array}$ $\begin{array}{llllllllll}1000 & 937.4786 & 0.021033 & 0.166805 & 0.157606 & 0.172175 & 5.617882 & 6.454599 & 0.018226\end{array}$ $\begin{array}{lllllllll}1000 & 961.2404 & 0.015993 & 0.127944 & 0.129742 & 0.137112 & 6.13795 & 4.861825 & 0.021483\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 820.2564 & 0.007257 & 0.10937 & 0.111452 & 0.100914 & 4.438437 & 3.902792 & 0.01279 \\ 1000 & 1335.21 & 0.01364 & 0.154044 & 0.122629 & 0.142855 & 5.881386 & 6.039327 & 0.017442\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.1345544 & 0.121403 & 0.129164 & 4.341095 & 5.5675332 & 0.014039\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.134554 & 0.121403 & 0.129164 & 4.341095 & 5.567532 & 0.014039 \\ 1000 & 1244.63 & 0.011247 & 0.174337 & 0.132617 & 0.139297 & 6.197774 & 4.604954 & 0.017482\end{array}$ $\begin{array}{lllllllll}1000 & 971.2786 & 0.011286 & 0.151323 & 0.090651 & 0.117186 & 4.558169 & 3.894795 & 0.016378\end{array}$ $\begin{array}{lllllllll}1000 & 988.7095 & 0.01205 & 0.216306 & 0.209494 & 0.174216 & 5.60198 & 5.214343 & 0.016766\end{array}$ $\begin{array}{lllllllll}1000 & 783.35529 & 0.014748 & 0.204592 & 0.119577 & 0.160036 & 4.650595 & 4.77006 & 0.018953\end{array}$ $\begin{array}{lllllllll}1000 & 1040.655 & 0.011167 & 0.213869 & 0.199556 & 0.212736 & 5.314038 & 6.051662 & 0.021187\end{array}$

 $\begin{array}{lllllllll}1000 & 1088.687 & 0.016169 & 0.230405 & 0.156985 & 0.186729 & 5.378874 & 4.971244 & 0.01616 \\ 1000 & 1165.366 & 0.017253 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019575\end{array}$ $\begin{array}{lllllllll}1000 & 1655.366 & 0.017585 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019557 \\ 1000 & 1095.185 & 0.015285 & 0.175638 & 0.186831 & 0.186145 & 5.131794 & 5.412978 & 0.014565\end{array}$ $\begin{array}{llllllllll}1000 & 783.2027 & 0.015137 & 0.155587 & 0.125767 & 0.164141 & 4.512005 & 4.913963 & 0.020565\end{array}$ $\begin{array}{llllllllll}1000 & 1233.605 & 0.018933 & 0.264853 & 0.114426 & 0.161266 & 5.761261 & 5.426245 & 0.028715\end{array}$



 | 7271.74 | 539996.1 |
| :--- | :--- |
| 6863.46 | 63308 | $\begin{array}{lll}6863.46 & 63308.6 \\ 7064.51 & 55434.08\end{array}$ $7884.84 \quad 59066.5$ 5685.36 55642.43 8063.9553674 .09 7747.5158694 .55 $\begin{array}{ll}8114.84 & 64530.11 \\ 7691.57 & 81778.95\end{array}$ $\begin{array}{ll}7691.57 & 81778.95 \\ 7276.82 & 70498.48\end{array}$ 7216.8270498 .48

$6400.78 \quad 6988.91$ $7402.83 \quad 61746.68$ 6760.9456398 .86 $\begin{array}{lr}7012.72 \quad 60638 \\ 7529.9 & 57392.69\end{array}$ $\begin{array}{rr}7529.9 & 57392.69 \\ 7715.98 & 60478.69 \\ 6750.79 & 88640.01\end{array}$ $\begin{array}{ll}6750.79 & 88640.01 \\ 8953.37 & 82770.09\end{array}$ 8071.0765043 .34 9698.4472043 .68 $\begin{array}{lr}8543.6 & 59411.5 \\ 7143.73 & 61340.75\end{array}$ 7143.7361340 .75 $\begin{array}{ll}7640.72 & 68951.23 \\ 8057.84 & 60591.34\end{array}$ 7416.0561896 .14 6919.361766 .07 $273.08 \quad 7395.72 \quad 60737.03$ $\begin{array}{llll}273.08 & 8082.27 & 90576.75\end{array}$ $\begin{array}{lll}300.1 & 7404.87 & 92976.08\end{array}$ $\begin{array}{lll} & 769.07 & 76355.62\end{array}$ $6871.58 \quad 57426.61$
8946.24
61309.97 $\begin{array}{cc}8946.24 & 61309.97 \\ 7131.54 & 57214.1\end{array}$ 6957.88 60127.2 $\begin{array}{ll}7286.98 & 64449.8 \\ 7610.22 & 62727.58\end{array}$ $\begin{array}{ll}7610.22 & 62727.58 \\ 9326.78 & 69035.76\end{array}$ $9326.18 \quad 69035.76$

6884.78 66573.16 $\begin{array}{lll}6384.78 & 66573.16 \\ 8666.9 & 53964.73\end{array}$ $7136.62 \quad 53134.79$ $7173.19 \quad 53372.42$ $8218.68 \quad 61948.63$ 7504.48 57806.64 \begin{tabular}{lll}
7759.72 \& 55859.88 <br>
7661.06 \& 53113.5 <br>
\hline

 $\begin{array}{ll}7661.06 & 53113.5 \\ 7901.12 & 62771.02\end{array}$ 

\& 7901.12 \& 62771.02 <br>
\hline 106 \& 7806.51 \& 59928.32

 

7905.19 \& 68037.44 <br>
\hline
\end{tabular} 9351.2762371 .08 $\begin{array}{llll}6684.83 & 59778.33\end{array}$ $6739.63 \quad 64755.03$ $\begin{array}{lll}.6 & 6675.69 & 61356.7 \\ 8 & 7090.92 & 61666.83\end{array}$ $\begin{array}{ccc}08 & 7090.92 & 61666.83 \\ 08 & 10128.67 & 62444.3\end{array}$ 3606 726361632247.3 $\begin{array}{llll} & 66.04 & 6874.63 & 6681237\end{array}$ $\begin{array}{lll}83.04 & 8673.01 & 64884.75 \\ 79.03 & 8076.16 & 66751.77\end{array}$ $\begin{array}{llll}198.04 & 7844.15 & 64477.33\end{array}$ $\begin{array}{lllll} & 185.04 & 9073.73 & 86321.6\end{array}$

$\begin{array}{lllll}0.230898 & 0.270186 & 0.78004 & 0.928512\end{array}$ $\begin{array}{lllll}0.140134 & 0.24849 & 0.689119 & 0.680883\end{array}$ $\begin{array}{llll}0.140134 & 0.24849 & 0.649119 & 0.680883 \\ 0.130199 & 0.27459 & 0.689396 & 0.624972\end{array}$ $\begin{array}{lllll}0.163548 & 0.279662 & 0.589341 & 0.570727\end{array}$ 0.1761460 .3362370 .8626931 .026587 $\begin{array}{lllll}0.292494 & 0.30515 & 0.805705 & 1.195571\end{array}$ $\begin{array}{lllllll}0.201254 & 0.324478 & 0.976163 & 0.729682\end{array}$ $\begin{array}{llll}0.227063 & 0.307171 & 0.714608 & 0.631178\end{array}$ $\begin{array}{llll}0.190455 & 0.289364 & 0.785079 & 0.801556 \\ 0\end{array}$ $\begin{array}{llllll}0.072224 & 0.226845 & 0.782627 & 0.539717\end{array}$ $\begin{array}{llllll}0.113076 & 0.447639 & 0.970233 & 1.027199\end{array}$ $\begin{array}{lllllll}0.119926 & 0.28652 & 0.783641 & 0.633011\end{array}$ $\begin{array}{llllllll}0.112798 & 0.225804 & 0.691258 & 0.503332\end{array}$ $\begin{array}{llllll}0.131127 & 0.389874 & 0.819167 & 0.671266\end{array}$ $\begin{array}{lllll}0.099195 & 0.319679 & 0.781798 & 0.912379\end{array}$ $\begin{array}{llll}0.078449 & 0.280053 & 1.019431 & 0.671522\end{array}$ $\begin{array}{lllll}0.129278 & 0.351031 & 0.688742 & 0.766473 \\ 0.080671 & 0.2815 & 0.822044 & 0.8714\end{array}$ $\begin{array}{lllll}0.071232 & 0.260217 & 0.651118 & 0.725763\end{array}$ $\begin{array}{lllll}0.128938 & 0.321683 & 0.858014 & 0.917607\end{array}$ $\begin{array}{llllllll}0.084558 & 0.229801 & 0.823052 & 0.701739\end{array}$ $\begin{array}{llllll}0.108788 & 0.224678 & 0.617825 & 0.620693\end{array}$ $\begin{array}{llllll}0.121337 & 0.295041 & 0.716769 & 0.704293\end{array}$ $\begin{array}{llll}0.160446 & 0.41753 & 1.023968 & 1.09994\end{array}$ $\begin{array}{lllll}0.112662 & 0.26675 & 1.750835 & 0.599635 \\ 0.170836 & 0.328143 & 1.061372 & 0.833613\end{array}$ $\begin{array}{lllll}0.093653 & 0.250912 & 0.742392 & 0.816426\end{array}$ $\begin{array}{llllllll}0.106374 & 0.254205 & 0.619052 & 1.153454\end{array}$ 0.0897620 .2542160 .6458190 .585819 $\begin{array}{lllllll}0.154657 & 0.352251 & 0.961932 & 0.771304\end{array}$ $\begin{array}{llllll}0.163784 & 0.256604 & 0.922265 & 0.666348\end{array}$ $\begin{array}{llll}0.110016 & 0.286585 & 1.017102 & 0.716451\end{array}$ $\begin{array}{llll}0.160181 & 0.330107 & 1.09292 & 0.877463 \\ 0.15576 & 0.327387 & 0.774473 & 0.636664\end{array}$ $\begin{array}{llllll}0.100747 & 0.282418 & 0.751952 & 0.771978\end{array}$ $\begin{array}{llllll}0.134663 & 0.363025 & 0.915383 & 0.851997\end{array}$ $\begin{array}{lllll}0.082228 & 0.307388 & 0.624414 & 0.864742\end{array}$ $\begin{array}{llllll}0.1026 & 0.24928 & 0.672926 & 0.493024\end{array}$ $\begin{array}{llll}0.106676 & 0.289909 & 0.72159 & 0.67546\end{array}$ $\begin{array}{llll}0.094457 & 0.343748 & 0.768714 & 0.6651\end{array}$ | 0.114449 | 0.25875 | 0.557112 | 0.601476 |
| :--- | :--- | :--- | :--- | :--- |
| 0.135911 | 0.360806 | 0.987067 | 1.088157 | $\begin{array}{lllllll}0.090789 & 0.371671 & 0.772148 & 0.782229\end{array}$ $\begin{array}{lllllll}0.09262 & 0.325875 & 0.561266 & 0.73709\end{array}$ $\begin{array}{llllll}0.083881 & 0.299667 & 0.830413 & 0.666511\end{array}$ $\begin{array}{llllll}0.1447 & 0.422293 & 0.945582 & 0.734678\end{array}$ $\begin{array}{llllll}0.143443 & 0.3523 & 0.919571 & 0.587507\end{array}$ $\begin{array}{llll}0.167543 & 0.396282 & 0.970944 & 1.069375\end{array}$ $\begin{array}{llll}0.124258 & 0.275105 & 0.668327 & 0.602392\end{array}$ $\begin{array}{lllll}0.134348 & 0.270676 & 0.98816 & 0.550136 \\ 0.192105 & 0.338689 & 0.636247 & 0.588992\end{array}$ $\begin{array}{lllll}141369 & 0.546656 & 0.764483 & 0.443153\end{array}$ $\begin{array}{lllll}187319 & 0.283041 & 0.853597 & 0.964403\end{array}$ $\begin{array}{llllllll}0.09474 & 0.310334 & 0.739887 & 0.903526\end{array}$ $\begin{array}{llllll}0.106081 & 0.271062 & 0.719596 & 0.815575\end{array}$ $\begin{array}{lllll}0.182271 & 0.288128 & 0.823962 & 0.725196\end{array}$ $\begin{array}{llllll}0.206834 & 0.290876 & 0.651324 & 0.821548\end{array}$ $\begin{array}{llll}0.148626 & 0.282595 & 0.860872 & 0.592707\end{array}$ $\begin{array}{llllll}146174 & 0.25238 & 0.90399 & 1.36047\end{array}$ $\begin{array}{lllllll}0.113991 & 0.301817 & 0.792045 & 0.599215\end{array}$ $\begin{array}{lllll}0.156446 & 0.329405 & 1.0465 & 0.483873\end{array}$ $0.154986 \quad 0.3312 \quad 0.7532071 .105434$


$\begin{array}{lllllllll}1000 & 887.9524 & 0.01473 & 0.248069 & 0.198029 & 0.142786 & 5.137688 & 4.980527 & 0.018006\end{array}$ $\begin{array}{llllllll}1000 & 867.3468 & 0.010131 & 0.143903 & 0.13618 & 0.116735 & 4.406122 & 3.884694\end{array} 0.0177642$ $\begin{array}{lllllllll}1000 & 784.7645 & 0.009371 & 0.140954 & 0.147785 & 0.129767 & 4.070304 & 4.461351 & 0.01728 \\ 1000 & 945.9256 & 0.011471 & 0.158451 & 0.1391 & 0.131851 & 4.899382 & 4.566477 & 0.016856\end{array}$ | 1000 | 884.3188 | 0.017953 | 0.204395 | 0.152425 | 0.128734 | 5.824482 | 5.175281 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1160.324 & 0.017389 & 0.176751 & 0.264256 & 0.156078 & 4.651903 & 5.425834 & 0.017313\end{array}$ $\begin{array}{lllllllll}1000 & 1313.846 & 0.021562 & 0.147396 & 0.219131 & 0.143996 & 6.334532 & 4.999667 & 0.01948 \\ 1000 & 798.964 & 0.015901 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 797.964 & 0.015991 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238 \\ 1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142\end{array}$ $\begin{array}{lllllllll}1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142 \\ 1000 & 744.1377 & 0.010678 & 0.130265 & 0.119946 & 0.11263 & 4.4697 & 5.638563 & 0.015663\end{array}$ $\begin{array}{llllllll}1000 & 846.1947 & 0.021427 & 0.134484 & 0.152021 & 0.127934 & 4.442689 & 5.11043\end{array} 0.014506$ $\begin{array}{lllllllll}1000 & 1249.231 & 0.021547 & 0.159864 & 0.207584 & 0.167414 & 5.746253 & 7.260263 & 0.021368\end{array}$ $\begin{array}{lllllllll}1000 & 925.0433 & 0.019497 & 0.138618 & 0.109427 & 0.134722 & 5.552787 & 5.497958 & 0.012596\end{array}$ $\begin{array}{lllllllll}1000 & 7544.79 & 0.016204 & 0.099948 & 0.120966 & 0.101404 & 3.955438 & 3.921658 & 0.009837\end{array}$ $\begin{array}{lllllllll}1000 & 1172.893 & 0.018971 & 0.168977 & 0.156296 & 0.138887 & 5.30376 & 5.447933 & 0.02122\end{array}$ | 1000 | 963.4756 | 0.015143 | 0.205379 | 0.176242 | 0.151974 | 5.20527 | 4.708572 | 0.012716 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 771.4656 & 0.011436 & 0.214561 & 0.171017 & 0.115102 & 5.057164 & 4.70287 & 0.007493\end{array}$ $\begin{array}{lllllllll}1000 & 1225.718 & 0.01196 & 0.171336 & 0.182459 & 0.168498 & 4.824154 & 7.528699 & 0.019295 \\ 1000 & 882.6782 & 0.012412 & 0.152871 & 0.149521 & 0.131225 & 5.26159 & 5.761035 & 0.015812\end{array}$ $\begin{array}{lllllllll}1000 & 1338.528 & 0.013184 & 0.15334 & 0.158204 & 0.119528 & 5.262879 & 5.02923 & 0.018263\end{array}$ $\begin{array}{lllllllll}1000 & 1296.306 & 0.011512 & 0.20774 & 0.295202 & 0.210256 & 5.683772 & 7.912853 & 0.015276\end{array}$ $\begin{array}{lllllllll}1000 & 745.6465 & 0.010502 & 0.194005 & 0.168001 & 0.155749 & 5.852612 & 5.144948 & 0.020733\end{array}$ $\begin{array}{lllllllll}1000 & 757.2693 & 0.012108 & 0.166176 & 0.166317 & 0.1497 & 4.689956 & 3.864714 & 0.016831\end{array}$ $\begin{array}{llllllll}1000 & 1015.736 & 0.014527 & 0.205563 & 0.158379 & 0.168683 & 5.32004 & 5.425239 \\ 0.0221289\end{array}$ $\begin{array}{llllllll}1000 & 1074.823 & 0.013927 & 0.203735 & 0.207421 & 0.217874 & 6.368878 & 6.819768 \\ 1000 & 926.026484 \\ 10855 & 0.015085 & 0.230827 & 0.204376 & 0.182807 & 5.903455 & 5.26396 & 0.024046\end{array}$ | 1000 | 926.5835 | 0.015085 | 0.230827 | 0.204376 | 0.182807 | 5.903455 | 5.26396 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.024046 |  |  |  |  |  |  |
| 1000 | 898.2204 | 0.015649 | 0.195102 | 0.157489 | 0.16402 | 5.050822 | 5.584951 |
| 0 | 0.019425 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 898.2204 & 0.015649 & 0.195102 & 0.157489 & 0.16402 & 5.050822 & 5.584951 & 0.019425 \\ 1000 & 912.5726 & 0.009262 & 0.181564 & 0.186274 & 0.17997 & 4.84903 & 5.128545 & 0.016212\end{array}$

 $\begin{array}{lllllllll}1000 & 1275.078 & 0.012698 & 0.205607 & 0.137215 & 0.174809 & 4.110682 & 4.359856 & 0.016354\end{array}$ $\begin{array}{lllllllll}1000 & 1061.234 & 0.019382 & 0.225091 & 0.319113 & 0.242399 & 5.718729 & 5.575098 & 0.0233336\end{array}$ $\begin{array}{llllllll}1000 & 784.7304 & 0.015147 & 0.224046 & 0.23778 & 0.201353 & 5.197088 & 6.90628 \\ 10.014226\end{array}$ $\begin{array}{llllllll}1000 & 1062.57 & 0.015462 & 0.231463 & 0.261693 & 0.259148 & 5.505104 & 8.205297 \\ 0.0222038\end{array}$ $\begin{array}{lllllllll}1000 & 1019.717 & 0.017795 & 0.24926 & 0.179088 & 0.231229 & 6.305983 & 6.549386 & 0.01858 \\ 1000 & 1138.599 & 0.013649 & 0.205529 & 0.1835 & 0.170692 & 4.715548 & 4.682748 & 0.019628\end{array}$ $\begin{array}{llllllllll}1000 & 1155.414 & 0.007229 & 0.199426 & 0.130836 & 0.192509 & 6.229401 & 5.056332 & 0.011295\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 999.3208 & 0.014832 & 0.190173 & 0.168107 & 0.160541 & 5.63703 & 5.371055 & 0.012433\end{array}$ $\begin{array}{llllllllllll}1000 & 1611.522 & 0.014435 & 0.213377 & 0.138627 & 0.205949 & 4.957959 & 5.090189 & 0.015413\end{array}$ $\begin{array}{lllllllll}1000 & 811.3092 & 0.016964 & 0.169815 & 0.119202 & 0.16115 & 4.467684 & 4.691604 & 0.020149\end{array}$ $\begin{array}{lllllllll}1000 & 1041.512 & 0.01846 & 0.218625 & 0.170534 & 0.206347 & 5.777996 & 5.65135 & 0.024937 \\ 1000 & 809.1549 & 0.015392\end{array}$ $\begin{array}{lllllllll}1000 & 809.1549 & 0.015332 & 0.196723 & 0.226187 & 0.188958 & 7.1115366 & 6.2318815 & 0.019692 \\ 1000 & 9222.9062 & 0.015924 & 0.122791 & 0.113854 & 0.127121 & 306658 & 4.48765 & 0.009234\end{array}$ \begin{tabular}{lllllllll}
1000 \& 922.9062 \& 0.015924 \& 0.122791 \& 0.113854 \& 0.127121 \& 3.906758 \& 4.488765 \& 0.009234 <br>
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 $\begin{array}{lllllllll}1000 & 801.508 & 0.016762 & 0.147692 & 0.203826 & 0.17376 & 6.478555 & 4.779396 & 0.020119 \\ 1000 & 1457.967 & 0.017712 & 0.149609 & 0.210551 & 0.182234 & 4.758408 & 4.207585 & 0.014774\end{array}$ $\begin{array}{lllllllll}1000 & 815.3718 & 0.017265 & 0.163488 & 0.177886 & 0.154695 & 4.041078 & 3.570728 & 0.0155\end{array}$ $\begin{array}{lllllllll}1000 & 1408.84 & 0.025148 & 0.224114 & 0.147099 & 0.21362 & 6.227531 & 5.564914 & 0.01595\end{array}$ $\begin{array}{lllllllll}1000 & 1364.606 & 0.029779 & 0.1752 & 0.207639 & 0.24573 & 6.111625 & 5.587419 & 0.018034\end{array}$ $\begin{array}{lllllllll}1000 & 1034.668 & 0.024839 & 0.2047 & 0.166096 & 0.190413 & 5.739475 & 4.901621 & 0.014788\end{array}$ $\begin{array}{lllllllll}1000 & 1687.716 & 0.026204 & 0.18178 & 0.17546 & 0.195454 & 6.326394 & 5.204213 & 0.019607\end{array}$ $\begin{array}{lllllllll}1000 & 937.2133 & 0.010714 & 0.159886 & 0.198541 & 0.114558 & 4.703155 & 4.431773 & 0.015083\end{array}$ $\left.\begin{array}{llllllll}1000 & 955.6852 & 0.019208 & 0.192642 & 0.21077 & 0.192658 & 5.535497 & 5.040963 \\ 10.014935 \\ 1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095\end{array}\right) 0.01408$ $\begin{array}{lllllllll}1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095 & 0.01408 \\ 1000 & 721.7317 & 0.011259 & 0.126972 & 0.153926 & 0.109748 & 5.168438 & 4.081017 & 0.019884\end{array}$ $\begin{array}{lllllllll}1000 & 978.8613 & 0.020827 & 0.171602 & 0.138375 & 0.135657 & 4.608329 & 4.898688 & 0.01418\end{array}$ $\begin{array}{lllllllll}1000 & 858.4745 & 0.016065 & 0.183134 & 0.148942 & 0.162199 & 4.585432 & 5.236608 & 0.016912\end{array}$ $\begin{array}{lllllllll}1000 & 1139.327 & 0.017657 & 0.181998 & 0.177058 & 0.163322 & 4.226618 & 4.617964 & 0.013363\end{array}$ $\begin{array}{lllllllll}1000 & 908.34406 & 0.018291 & 0.220114 & 0.22481 & 0.224499 & 5.249327 & 5.42221 & 0.0255131\end{array}$ $\begin{array}{lllllllll}1000 & 1059.108 & 0.013934 & 0.194648 & 0.141159 & 0.201267 & 6.749642 & 4.906608 & 0.024667\end{array}$ 

1000 \& 1018.021 \& 0.01271 \& 0.198637 \& 0.185134 \& 0.179844 \& 4.921095 \& 5.086247 \& 0.014283 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 1030.122 & 0.017085 & 0.218791 & 0.210625 & 0.151154 & 5.179916 & 5.981964 & 0.017916 \\ 1000 & 1038.126 & 0.012572 & 0.173904 & 0.135619 & 0.141515 & 6.257767 & 5.54675 & 0.022119\end{array}$ $\begin{array}{lllllllll}1000 & 859.6989 & 0.007786 & 0.15552 & 0.122057 & 0.109844 & 4.642348 & 4.549868 & 0.013024\end{array}$ $\begin{array}{lllllllll}1000 & 1003.592 & 0.008224 & 0.13663 & 0.147302 & 0.130995 & 4.760769 & 4.641888 & 0.020251\end{array}$ $\begin{array}{llllllllll}1000 & 1136.455 & 0.010831 & 0.151009 & 0.154676 & 0.133461 & 6.096725 & 6.86855 & 0.022383\end{array}$



$\begin{array}{llll}0.165271 & 0.338562 & 0.732043 & 0.802811\end{array}$ $\begin{array}{llll}0.08833 & 0.284086 & 0.887289 & 0.899417\end{array}$ $\begin{array}{llllllllll}0.158159 & 0.397397 & 0.888639 & 0.882836\end{array}$ $\begin{array}{llll}0.10796 & 0.32011 & 0.691909 & 0.91527\end{array}$ $\begin{array}{llll}0.172038 & 0.362428 & 0.911608 & 0.877064 \\ 0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0\end{array}$ $\begin{array}{llll}0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0.109168 & 0.359337 & 0.992617 & 1.11677\end{array}$ $\begin{array}{llll}0.129168 & 0.359337 & 0.992617 & 1.1167 \\ 0.176259 & 0.307427 & 0.841979 & 0.816764\end{array}$ $\begin{array}{lllll}0.085104 & 0.199712 & 0.556872 & 0.422675\end{array}$ 01181470.267365 $\begin{array}{llllll}0.181517 & 0.190571 & 0.658322 & 0.499067\end{array}$ $\begin{array}{lllll}0.185258 & 0.326195 & 0.650961 & 0.815807\end{array}$ $\begin{array}{lllll}0.123327 & 0.307502 & 0.665961 & 0.794382\end{array}$ $\begin{array}{llll}0.169806 & 0.28978 & 0.710669 & 0.84874\end{array}$ $\begin{array}{lllll}0.146305 & 0.317436 & 0.802996 & 0.794008\end{array}$ $\begin{array}{llll}0.219157 & 0.22734 & 0.856035 & 1.020257 \\ 0.187093\end{array}$ $\begin{array}{llll}0.181093 & 0.354251 & 0.873314 & 1.071379 \\ 0.162029 & 0.258501 & 0.675359 & 0.575371\end{array}$ $\begin{array}{llll}0.136132 & 0.197712 & 0.530078 & 0.482802\end{array}$ $\begin{array}{lllll}0.121159 & 0.213008 & 0.608518 & 0.922193\end{array}$ $\begin{array}{lllll}0.155293 & 0.272129 & 0.660606 & 0.868754\end{array}$ $\begin{array}{llllll}0.177759 & 0.197887 & 0.557299 & 0.581829\end{array}$ $\begin{array}{llll}0.321271 & 0.276006 & 1.062382 & 0.814761\end{array}$ $\begin{array}{llll}0.289553 & 0.225967 & 0.738939 & 0.608307\end{array}$ $\begin{array}{llll}0.330662 & 0.298546 & 0.802771 & 0.736004 \\ & 0336791 & 0.295036 & 0.7079\end{array}$ $\begin{array}{llll}0.235495 & 0.292528 & 1.23221 & 0.899102\end{array}$ $\begin{array}{lllll}0.284802 & 0.330788 & 1.383711 & 1.264245\end{array}$ $\begin{array}{lllll}0.198263 & 0.228588 & 0.90775 & 0.849767\end{array}$ $0.2379470 .3216510 .779528 \quad 0.891981$ $\begin{array}{llll}0.203474 & 0.204946 & 0.594556 & 0.532672\end{array}$ $\begin{array}{llll}0.135049 & 0.181097 & 0.478103 & 0.428293\end{array}$ $\begin{array}{llll}0.230671 & 0.390474 & 1.044096 & 1.090519 \\ 0\end{array}$ $\begin{array}{lllll}0.197074 & 0.417694 & 0.727016 & 0.81183\end{array}$ $\begin{array}{lllll}0.237592 & 0.330438 & 0.802532 & 1.192467\end{array}$ $\begin{array}{lllll}0.123695 & 0.29601 & 0.565638 & 0.534249\end{array}$ $\begin{array}{llllll}0.130955 & 0.305862 & 0.640145 & 0.846337\end{array}$ $\begin{array}{lllll}0.125303 & 0.286481 & 0.643937 & 0.563699\end{array}$ $\begin{array}{llll}0.126027 & 0.21043 & 0.681041 & 0.546393\end{array}$ $\begin{array}{llll}0.181197 & 0.335136 & 0.736292 & 0.752254 \\ & 0.72715 & 3323128\end{array}$ $\begin{array}{llll}0.2104947 & 0.314711 & 1.8282044 & 0.854767 \\ 0.65071\end{array}$ $\begin{array}{llll}0.095178 & 0.333466 & 0.570041 & 1.077624\end{array}$ $\begin{array}{lllll}0.151505 & 0.382963 & 0.840817 & 0.676775\end{array}$ $\begin{array}{llllll}0.221014 & 0.297386 & 0.863257 & 0.674005\end{array}$ $\begin{array}{llllll}0.138012 & 0.32848 & 1.361703 & 0.742897\end{array}$ $\begin{array}{lllll}0.128781 & 0.36134 & 0.957561 & 0.72816\end{array}$ $\begin{array}{rlll}0.103028 & 0.219795 & 0.654247 & 0.502931 \\ 0.2437 & 0.353494 & 0.763599 & 1039793\end{array}$ | 0.175402 | 0.353494 | 0.763599 | 1.039793 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.164517 & 0.362175 & 0.906525 & 0.993519\end{array}$ $\begin{array}{lllll}0.171937 & 0.260152 & 0.938156 & 0.739868\end{array}$ $\begin{array}{llll}0.132644 & 0.174829 & 0.809374 & 0.470407\end{array}$ $\begin{array}{llll}0.201009 & 0.318549 & 0.687642 & 0.75015\end{array}$ $\begin{array}{llll}0.157142 & 0.333203 & 1.253733 & 0.921224\end{array}$ $0.207218 \quad 0.412280 .9623391 .417192$ $\begin{array}{llll}0.111799 & 0.199117 & 0.518257 & 0.501246 \\ 0.232784 & 0.342213 & 0.890702 & 0.819462\end{array}$ $\begin{array}{lllll}0.2348387 & 0.329643 & 0.89270255 & 0.819462 \\ 0.584618\end{array}$ $\begin{array}{lllll}0.037689 & 0.209663 & 0.505199 & 0.580535\end{array}$ $\begin{array}{llllll}0.141267 & 0.381155 & 0.761783 & 1.014944\end{array}$ 0.102270 .2975240 .7467080 .630682

$\begin{array}{lllllllllllll}1000 & 1176.392 & 0.009339 & 0.223882 & 0.147924 & 0.197233 & 5.936977 & 5.828634 & 0.032122\end{array}$ $\begin{array}{llllllll}1000 & 1449.911 & 0.008455 & 0.201244 & 0.228758 & 0.182252 & 5.894502 & 7.321412\end{array} 0.0180344$ $\begin{array}{lllllllll}1000 & 1206.725 & 0.006613 & 0.208257 & 0.166548 & 0.182256 & 5.410039 & 6.298387 & 0.02793\end{array}$ $\begin{array}{lllllllll}1000 & 1153.112 & 0.011608 & 0.201524 & 0.189737 & 0.223577 & 6.153722 & 6.539302 & 0.016479\end{array}$ $\begin{array}{lllllllllll}1000 & 879.7162 & 0.005654 & 0.15734 & 0.184669 & 0.141257 & 4.800851 & 4.911867 & 0.017684\end{array}$ $\begin{array}{llllllllll}1000 & 1027.488 & 0.016847 & 0.164701 & 0.21048 & 0.190027 & 5.177158 & 5.763312 & 0.023053\end{array}$ $\begin{array}{lllllllll}1000 & 951.7502 & 0.006738 & 0.180962 & 0.145331 & 0.164149 & 6.057076 & 5.41244 & 0.023046 \\ 1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824\end{array}$ $\begin{array}{lllllllll}1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824 \\ 1000 & 885.1377 & 0.006764 & 0.198827 & 0.131814 & 0.169379 & 5426682 & 6.010938 & 0.021124\end{array}$ $\begin{array}{lllllllllllll}1000 & 654.2223 & 0.005489 & 0.121579 & 0.129549 & 0.116736 & 4.104841 & 3.968783 & 0.02032\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 918.0312 & 0.009419 & 0.104564 & 0.136506 & 0.085761 & 4.602403 & 4.310337 & 0.018862\end{array}$ $\begin{array}{lllllllllll}1000 & 700.2395 & 0.008863 & 0.144063 & 0.103809 & 0.121134 & 4.537471 & 4.491602 & 0.016519\end{array}$ $\begin{array}{lllllllll}1000 & 869.2292 & 0.008412 & 0.14245 & 0.11005 & 0.114931 & 4.595378 & 4.358848 & 0.014358\end{array}$ $\begin{array}{lllllllll}1000 & 869.3904 & 0.006875 & 0.125011 & 0.136946 & 0.119646 & 4.237999 & 4.094896 & 0.017452\end{array}$ $\begin{array}{lllllllll}1000 & 891.4142 & 0.011485 & 0.143277 & 0.1025 & 0.146308 & 6.116371 & 5.315717 & 0.015843 \\ 1000 & 118231 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069\end{array}$ $\begin{array}{lllllllll}1000 & 1182.31 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069 \\ 1000 & 1043.289 & 0.007826 & 0.184451 & 0.123694 & 0.112409 & 4.95562 & 6.974302 & 0.019683\end{array}$ $\begin{array}{lllllllll}1000 & 1043.289 & 0.007826 \\ 1000 & 954.4033 & 0.011123 & 0.137867 & 0.090998 & 0.118355 & 3.983603 & 4.160302 & 0.011392\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 893.2369 & 0.011098 & 0.095617 & 0.090043 & 0.1213 & 3.495246 & 3.893414 & 0.017505\end{array}$ $\begin{array}{llllllllll}1000 & 835.9977 & 0.010314 & 0.136617 & 0.12727 & 0.147919 & 4.960541 & 5.59141 & 0.014411\end{array}$ $\begin{array}{lllllllll}1000 & 1297.313 & 0.014084 & 0.140502 & 0.109721 & 0.152725 & 4.666128 & 5.403496 & 0.016234\end{array}$ $\begin{array}{llllllllll}1000 & 752.0421 & 0.007843 & 0.147911 & 0.065681 & 0.093297 & 4.553517 & 4.988777 & 0.015082\end{array}$ $\begin{array}{lllllllll}1000 & 1062.285 & 0.007624 & 0.168544 & 0.128656 & 0.156726 & 6.10898 & 7.585749 & 0.012887 \\ 1000 & 7353933 & 0.09541 & 0.13563 & 0.11779 & 0.125503 & 5.03335 & 4.60448 & 0.016108\end{array}$ $\begin{array}{llllllll}1000 & 735.3933 & 0.009541 & 0.134563 & 0.117798 & 0.125503 & 5.03835 & 4.604488 \\ 0.016102 \\ 1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 0 & 0.016084\end{array}$ $\begin{array}{rrrrrrrr}1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 1000 & 911.2085 & 0.012915 & 0.219113 & 0.221307 & 0.19587 & 5.268428 & 5.498046 \\ 0.017847\end{array}$ $\begin{array}{lllllllll}1000 & 1201.721 & 0.016389 & 0.202642 & 0.2137672 & 0.230505 & 5.272565 & 5.612118 & 0.01259\end{array}$ $\begin{array}{lllllllll}1000 & 1885.152 & 0.017527 & 0.266048 & 0.279222 & 0.258977 & 6.9777264 & 8.691399 & 0.024364\end{array}$ $\begin{array}{lllllllll}1000 & 739.1992 & 0.0159476 & 0.1893356 & 0.2179222 & 0.258977 & 6.977264 & 8.691399 & 0.024364 \\ 1003 & 0.136877 & 4.481139 & 5.351045 & 0.011933\end{array}$ $\begin{array}{llllllll}1000 & 752.9992 & 0.010357 & 0.15088 & 0.15167 & 0.133039 & 4.982923 & 5.020168 \\ 0.014422\end{array}$ $\begin{array}{lllllllll}1000 & 680.2828 & 0.011216 & 0.1245 & 0.090278 & 0.11912 & 3.935628 & 4.657557 & 0.010617 \\ 1000 & 557.0139 & 0.00538 & 0.120956 & 0.137526 & 0.108055 & 3.20269 & 3.785064 & 0.02774\end{array}$ $\begin{array}{lllllllll}1000 & 557.9139 & 0.005538 & 0.120956 & 0.137526 & 0.108085 & 3.120269 & 3.785064 & 0.00774 \\ 1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182\end{array}$ $\begin{array}{lllllllll}1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182 \\ 1000 & 1189.649 & 0.008888 & 0.16959 & 0.126933 & 0.157421 & 5788241 & 4.21145 & 0.012183\end{array}$ $\begin{array}{lllllllll}1000 & 11290.852 & 0.010162 & 0.206757 & 0.13846 & 0.187256 & 5.202437 & 4.758804 & 0.0144266\end{array}$ $\begin{array}{llllllllll}1000 & 1040.924 & 0.009145 & 0.221482 & 0.239852 & 0.204726 & 4.940656 & 6.836391 & 0.017954\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 797.1574 & 0.009127 & 0.165092 & 0.111927 & 0.114574 & 4.989907 & 5.534317 & 0.011612\end{array}$ $\begin{array}{llllllllll}1000 & 842.8301 & 0.015222 & 0.203262 & 0.131686 & 0.141071 & 4.391348 & 4.935339 & 0.011716\end{array}$ $\begin{array}{llllllllll}1000 & 1490.755 & 0.009048 & 0.181139 & 0.217471 & 0.150057 & 4.144053 & 4.451831 & 0.010303\end{array}$ $\begin{array}{lllllllll}1000 & 961.1447 & 0.007994 & 0.183743 & 0.125846 & 0.124451 & 4.247568 & 4.144942 & 0.011485\end{array}$ $\begin{array}{lllllllll}1000 & 962.3905 & 0.011964 & 0.209469 & 0.173386 & 0.17194 & 6.76561 & 5.541092 & 0.012575 \\ 1000 & 873.0617 & 0.007003 & 0.251627 & 0.133829 & 0.144111 & 5.760294 & 5.783176 & 0.014397\end{array}$ $\begin{array}{llllllllll}1000 & 914.313 & 0.012789 & 0.283389 & 0.184466 & 0.223957 & 6.340428 & 5.826989 & 0.02472\end{array}$ $\begin{array}{lllllllllll}1000 & 861.282 & 0.008701 & 0.140124 & 0.155393 & 0.153308 & 3.810806 & 3.752644 & 0.018202\end{array}$ $\begin{array}{lllllllll}1000 & 1100.071 & 0.015636 & 0.176067 & 0.128857 & 0.183139 & 5.060252 & 5.43718 & 0.014926\end{array}$ $\begin{array}{llllllllll}1000 & 839.6375 & 0.01069 & 0.154724 & 0.230483 & 0.131266 & 5.079039 & 4.870354 & 0.011872\end{array}$ $\begin{array}{lllllllll}1000 & 838.8934 & 0.015243 & 0.162842 & 0.200806 & 0.146669 & 4.74062 & 4.918612 & 0.014553\end{array}$ $\begin{array}{lllllllll}1000 & 1378.606 & 0.014767 & 0.155251 & 0.114664 & 0.1482 & 5.818197 & 6.743419 & 0.01637 \\ 1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.99339 & 4.092147 & 3.987655 & 0.010248\end{array}$ $\begin{array}{llllllll}1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.099339 & 4.092147 & 3.987655 \\ 0 & 0.010248 \\ 1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 \\ 0 & 0.010942\end{array}$ $\begin{array}{lllllllll}1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 & 0.010942 \\ 1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581\end{array}$ $\begin{array}{lllllllll}1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581 \\ 1000 & 1220.21 & 0.015937 & 0.119136 & 0.074566 & 0.1284 & 4.988453 & 4.849615 & 0.007617\end{array}$ $\begin{array}{llllllllll}1000 & 967.6882 & 0.018448 & 0.114783 & 0.059078 & 0.087726 & 4.565373 & 5.972436 & 0.010202\end{array}$ $\begin{array}{lllllllll}1000 & 1068.855 & 0.013434 & 0.093523 & 0.08464 & 0.067873 & 4.065189 & 4.546352 & 0.004419\end{array}$ $\begin{array}{lllllllllll}1000 & 1196.088 & 0.014084 & 0.122829 & 0.105532 & 0.061107 & 5.353264 & 5.558762 & 0.008483\end{array}$ $\begin{array}{lllllllll}1000 & 1157.73 & 0.020874 & 0.11678 & 0.163834 & 0.099527 & 4.918226 & 6.4911266 & 0.0074005 \\ 1000 & 1119.189 & 0.022058 & 0.122284 & 0.174515 & 0.105391 & 628878 & 526944 & 0.015879\end{array}$ $\begin{array}{lllllllll}1000 & 1119.189 & 0.022958 & 0.122184 & 0.174519 & 0.105301 & 6.248778 & 5.269644 & 0.015879 \\ 1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536\end{array}$ $\begin{array}{lllllllll}1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536 \\ 1000 & 1333.524 & 0.016198 & 0.146672 & 0.110766 & 0.103401 & 5.952586 & 6.333566 & 0.008493\end{array}$ $\begin{array}{llllllllll}1000 & 1087.527 & 0.015839 & 0.126906 & 0.117121 & 0.112544 & 4.09639 & 4.576249 & 0.0009812\end{array}$ $\begin{array}{llllllllll}1000 & 974.8009 & 0.01059 & 0.069674 & 0.050936 & 0.06646 & 3.033334 & 2.955827 & 0.008834\end{array}$ $\begin{array}{llllllllllll}1000 & 1329.793 & 0.016656 & 0.136245 & 0.094476 & 0.125941 & 5.645652 & 5.429001 & 0.010726\end{array}$ $\begin{array}{lllllllllll}1000 & 1129.234 & 0.012297 & 0.092571 & 0.072281 & 0.09431 & 4.768411 & 4.802033 & 0.008293\end{array}$


[^12]$\begin{array}{llllll}0.12437 & 0.30944 & 0.905182 & 0.666773\end{array}$ $\begin{array}{lllll}0.112747 & 0.381252 & 0.73942 & 0.633301\end{array}$ 0.127410 .2449330 .6447990 .58666 100180.2898040 .5861960 .626755 $\begin{array}{llll}0.079185 & 0.250671 & 0.546795 & 0.577488 \\ 0.094014 & 0.327255 & 0.609622 & 0.705275\end{array}$ $\begin{array}{lllllll}0.067652 & 0.242634 & 0.551861 & 0.452938\end{array}$ $\begin{array}{lllll}0.078676 & 0.283023 & 0.691621 & 0.375085\end{array}$ $\begin{array}{llll}0.122181 & 0.326381 & 0.778171 & 0.659199 \\ 0.074673 & 0.253273 & 0.607094 & 0.588179\end{array}$ $\begin{array}{llll}0.064092 & 0.187657 & 0.580469 & 0.643254\end{array}$ $\begin{array}{llllllllllll}0.085947 & 0.268046 & 0.900378 & 0.685577\end{array}$ $\begin{array}{llllllll}0.068185 & 0.284287 & 0.745242 & 0.663225\end{array}$ $\begin{array}{llllll}0.089826 & 0.414334 & 0.693625 & 0.485931\end{array}$ $\begin{array}{lllllllll}0.106994 & 0.364996 & 1.165837 & 0.683796\end{array}$ $\begin{array}{llll}0.117147 & 0.329575 & 0.751998 & 0.814782\end{array}$ 0.0914310 .3958870 .7392380 .787424 | 0.165342 | 0.297821 | 0.931199 | 0.8494446 |
| :--- | :--- | :--- | :--- | :--- | $0.1736360 .2756390 .661189 \quad 0.680127$ $\begin{array}{llllll}0.169387 & 0.348886 & 0.707563 & 1.677468\end{array}$ $\begin{array}{llllllll}0.081075 & 0.217724 & 0.505679 & 0.545732\end{array}$ $\begin{array}{llllllllll}0.143651 & 0.33046 & 0.835232 & 0.921258\end{array}$ $\begin{array}{llllll}0.147403 & 0.316587 & 0.923051 & 0.779947\end{array}$ $\begin{array}{lllll}0.114674 & 0.236582 & 1.033911 & 0.667252 \\ 0.09075 & 0.23580 & 0.63318 & 0.55774\end{array}$ $\begin{array}{llll}0.05075 & 0.235804 & 1.6373318 & 0.55274 \\ & 0.078227 & 0.257924 & 0.536975\end{array}$ 1263670.3139210 .7194520 .979811 $0.1509570 .447099 \quad 0.7158590 .678464$ $\begin{array}{llllll}0.076217 & 0.266301 & 0.764912 & 0.442219\end{array}$ $\begin{array}{lllll}0.124691 & 0.35631 & 0.990766 & 0.974501\end{array}$ $\begin{array}{llll}0.110196 & 0.305379 & 0.805359 & 1.09134\end{array}$ $\begin{array}{llll}0.10797 & 0.295199 & 0.841204 & 0.532967\end{array}$ $\begin{array}{lllll}0.106575 & 0.269535 & 0.651404 & 0.756117 \\ 0.13957 & 0.300914 & 0.972862 & 0.896515\end{array}$ 0869780.2544580 .566019 $\begin{array}{lllll}0.113092 & 0.245508 & 0.51395 & 0.981856\end{array}$ $\begin{array}{lllll}0.143095 & 0.39238 & 1.286654 & 1.083127\end{array}$ $\begin{array}{llllll}0.097734 & 0.23606 & 0.529174 & 0.565799\end{array}$ $\begin{array}{llllll}0.149912 & 0.426281 & 1.028886 & 0.746812\end{array}$ $\begin{array}{lllll}0.159933 & 0.367895 & 0.797849 & 0.924965\end{array}$ $\begin{array}{llll}0.119984 & 0.278304 & 0.654384 & 0.742527 \\ 0.089225 & 0.302501 & 0.63458 & 0.639997\end{array}$ $\begin{array}{lllll}0.11448 & 0.34959 & 0.715291 & 0780763\end{array}$ $\begin{array}{lllll}0.100671 & 0.232818 & 0.864757 & 0.570118\end{array}$ $\begin{array}{lllll}0.141114 & 0.327564 & 1.11474 & 0.647769\end{array}$ $\begin{array}{llllllll}0.137736 & 0.452474 & 0.703285 & 1.078613\end{array}$ 0.0747430 .3616491 .0867710 .874955 $\begin{array}{llll}0.123009 & 0.271271 & 0.84236 & 0.829999\end{array}$ $\begin{array}{lllll}0.094344 & 0.338133 & 0.823827 & 0.654503\end{array}$ $\begin{array}{lllll}0.1077824 & 0.480215 & 0.835188 & 1.563535\end{array}$ $0.085 \quad 0.3673190 .6383140 .880174$ $\begin{array}{llllll}0.118366 & 0.26524 & 0.860274 & 1.521522\end{array}$ $\begin{array}{lllllll}0.119442 & 0.306921 & 0.706822 & 0.588799\end{array}$ $\begin{array}{llllll}0.097932 & 0.344529 & 0.649995 & 0.720958\end{array}$ $\begin{array}{lllll}0.078623 & 0.171024 & 0.429425 & 0.444682\end{array}$ $\begin{array}{llll}0.102751 & 0.382723 & 0.814195 & 0.974721 \\ 0.084623 & 0.344251 & 0.06696 & 0.757767\end{array}$ $\begin{array}{llll}0.084623 & 0.344251 & 0.906796 & 0.757767\end{array}$ $\begin{array}{llllll}144474 & 0.385752 & 0.938536 & 1204779\end{array}$ $\begin{array}{lllll}0.063574 & 0.253147 & 0.411843 & 0.418881\end{array}$ $\begin{array}{llllll}0.128036 & 0.274318 & 0.679722 & 0.583283\end{array}$ $\begin{array}{lllllll}0.15902 & 0.547362 & 0.999476 & 1.461477\end{array}$


$\begin{array}{lllllllll}1000 & 1105.092 & 0.014766 & 0.096363 & 0.123244 & 0.087826 & 4.755424 & 5.611437 & 0.006861\end{array}$ | 1000 | 892.5568 | 0.018 | 0.11045 | 0.0959907 | 0.123956 | 4.3333891 | 6.0733541 | 0.00078657 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{rrrrrrrrr}1000 & 835.0901 & 0.016605 & 0.08241 & 0.1039 & 0.095414 & 4.806115 & 4.961424 & 0.004806 \\ 1000 & 773.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 & 0.007389\end{array}$ $\begin{array}{llllllll}1000 & 73.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 \\ 1000 & 757.0432 & 0.008656 & 0.071824 & 0.061064 & 0.074791 & 3.571428 & 5.039602 \\ 0.007394\end{array}$ $\begin{array}{lllllllll}1000 & 1446.842 & 0.00979 & 0.097498 & 0.05435 & 0.061092 & 4.295082 & 4.765279 & 0.0073675\end{array}$ $\begin{array}{lllllllll}1000 & 700.1427 & 0.008817 & 0.054148 & 0.061675 & 0.056633 & 3.261626 & 3.370829 & 0.005893 \\ 1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.911855 & 4.87672 & 0.006559\end{array}$ $\begin{array}{lllllllll}1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.991085 & 4.487672 & 0.006559 \\ 1000 & 1690.836 & 0.0141 & 0.088813 & 0.068565 & 0.085737 & 4.18561 & 5.138667 & 0.004562\end{array}$ $\begin{array}{lllllllll}1000 & 1690.836 & 0.0141 & 0.086813 & 0.068565 & 0.085737 & 4.418651 & 5.138067 & 0.004562 \\ 1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808\end{array}$ $\begin{array}{lllllllll}1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808 \\ 1000 & 585.9917 & 0.006335 & 0.051447 & 0.064627 & 0.04872 & 3.269819 & 3.703791 & 0.004785\end{array}$

 $\begin{array}{lllllllll}1000 & 801.2701 & 0.012566 & 0.089683 & 0.07876 & 0.077488 & 4.277399 & 4.133697 & 0.008061\end{array}$ $\begin{array}{llllllll}1000 & 933.0404 & 0.009069 & 0.120497 & 0.090576 & 0.086319 & 5.555397 & 5.002637 \\ 0 & 0.008357\end{array}$ $\begin{array}{llllllllll}1000 & 1052.6 & 0.017549 & 0.111265 & 0.0880533 & 0.087011 & 5.922613 & 5.116567 & 0.0006887\end{array}$ | 1000 | 1236.845 | 0.016572 | 0.10161 | 0.098289 | 0.091245 | 5.82727 | 4.989197 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1198.802 | 0.0007819618 | 0.161823 | 0.0292914 | 0.143539 | 4.366496 | 4.731463 | $\begin{array}{lllllllll}1000 & 1198.802 & 0.019618 & 0.161823 & 0.092919 & 0.143539 & 4.366496 & 4.731463 & 0.011515 \\ 1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809\end{array}$ $\begin{array}{lllllllll}1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809 \\ 1000 & 1316.317 & 0.022939 & 0.094307 & 0.102548 & 0.132539 & 5.223293 & 5.639309 & 0.009799\end{array}$ $\begin{array}{lllllllllllll}1000 & 1091.831 & 0.017279 & 0.109752 & 0.073038 & 0.103167 & 5.416845 & 4.969777 & 0.009119\end{array}$ $\begin{array}{llllllllll}1000 & 1171.01 & 0.01422 & 0.125049 & 0.135668 & 0.128734 & 6.153437 & 6.314737 & 0.009351\end{array}$ $\begin{array}{lllllllll}1000 & 990.0574 & 0.008939 & 0.090201 & 0.077489 & 0.081927 & 3.560224 & 3.929657 & 0.00713\end{array}$ $\begin{array}{lllllllll}1000 & 1177.33 & 0.010043 & 0.121869 & 0.096204 & 0.073022 & 6.835366 & 7.002342 & 0.012133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.726 & 0.020937 & 0.102231 & 0.081104 & 0.109691 & 4.902837 & 6.787431 & 0.006611\end{array}$ $\begin{array}{lllllllll}1000 & 1315.845 & 0.009786 & 0.100325 & 0.076747 & 0.073621 & 5.419315 & 4.868953 & 0.008336\end{array}$ $\begin{array}{lllllllll}1000 & 753.1612 & 0.011546 & 0.08811 & 0.073328 & 0.056216 & 3.311268 & 3.313264 & 0.006551 \\ 1000 & 804.0128 & 0.010611 & 0.083517 & 0.068412 & 0.056384 & 3.310357 & 4.233062 & 0.00843\end{array}$ $\begin{array}{llllllllllllllll}1000 & 1013.1 & 0.013102 & 0.11277 & 0.078353 & 0.094254 & 7.579386 & 5.209694 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 1415.868 & 0.012013 & 0.124035 & 0.120066 & 0.098246 & 5.116583 & 4.88613 & 0.008134\end{array}$ $\begin{array}{lllllllll}1000 & 610.6806 & 0.004706 & 0.069937 & 0.10333 & 0.068003 & 2.917802 & 3.14514 & 0.005375\end{array}$ $\begin{array}{llllllllll}1000 & 1030.009 & 0.01172 & 0.097935 & 0.092336 & 0.104957 & 5.173254 & 4.691363 & 0.006997\end{array}$ $\begin{array}{lllllllll}1000 & 1053.813 & 0.006702 & 0.10595 & 0.060788 & 0.068683 & 4.881885 & 4.12111 & 0.0075338 \\ 1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & .390986 & 414298 & 0.007018\end{array}$ $\begin{array}{lllllllll}1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & 3.960986 & 4.14298 & 0.007018 \\ 1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.07318\end{array}$ $\begin{array}{lllllllll}1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.007318 \\ 1000 & 1372.558 & 0.010668 & 0.096254 & 0.104346 & 0.091741 & 5.159522 & 6.425217 & 0.006457\end{array}$ $\begin{array}{lllllllll}1000 & 824.5876 & 0.006078 & 0.080108 & 0.092562 & 0.0741 & 3.944416 & 3.9977709 & 0.0067047\end{array}$

 $\begin{array}{llllllllll} & 000 & 954.2253 & 0.011048 & 0.149877 & 0.186952 & 0.157538 & 5.91094 & 7.462015 & 0.015875\end{array}$ $\begin{array}{lllllllll}1000 & 1028.729 & 0.008774 & 0.12623 & 0.144816 & 0.097397 & 4.251522 & 4.218424 & 0.006603\end{array}$ $\begin{array}{lllllllll}1000 & 1050.314 & 0.007615 & 0.16769 & 0.18062 & 0.139368 & 7.397999 & 5.359317 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1669.22 & 0.008737 & 0.148415 & 0.118475 & 0.101552 & 4.936108 & 6.267155 & 0.007484\end{array}$ $\begin{array}{lllllllll}1000 & 887.264 & 0.007942 & 0.11573 & 0.092789 & 0.107319 & 4.139735 & 4.746539 & 0.006914\end{array}$ $\begin{array}{lllllllllll}1000 & 888.6373 & 0.005851 & 0.120667 & 0.08249 & 0.117977 & 4.632688 & 5.822165 & 0.009408 \\ 1000 & 988.0648 & 0.005252 & 0.160855 & 0.143556 & 0.140295 & 5.179484 & 5.245099 & 0.008757\end{array}$ $\begin{array}{lllllllllll}1000 & 856.2812 & 0.006825 & 0.132249 & 0.106995 & 0.124418 & 4.679574 & 3.718188 & 0.010609\end{array}$ $\begin{array}{llllllllllll}1000 & 993.5653 & 0.010862 & 0.129773 & 0.149713 & 0.1112 & 5.080851 & 6.309879 & 0.013008\end{array}$ $\begin{array}{lllllllll}1000 & 1121.438 & 0.00788 & 0.209371 & 0.170415 & 0.170407 & 4.95648 & 4.807475 & 0.013147\end{array}$ $\begin{array}{lllllllll}1000 & 1181.319 & 0.007746 & 0.207952 & 0.228154 & 0.128972 & 5.170134 & 5.008281 & 0.011843\end{array}$ $\begin{array}{lllllllll}1000 & 977.0996 & 0.0131 & 0.157712 & 0.113783 & 0.145396 & 5.733117 & 6.279094 & 0.011486\end{array}$ $\begin{array}{lllllllll}1000 & 1080.332 & 0.01095 & 0.117303 & 0.094113 & 0.096145 & 4.616004 & 5.424817 & 0.004899 \\ 1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108\end{array}$ $\begin{array}{lllllllll}1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108 \\ 1000 & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863\end{array}$ $\begin{array}{lllllllll} & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863 \\ 1000 & 1075.87 & 0.010789 & 0.162713 & 0.122742 & 0.14624 & 6.068447 & 5.657683 & 0.009251\end{array}$ $\begin{array}{llllllllll}1000 & 973.179 & 0.007254 & 0.154798 & 0.091279 & 0.103994 & 4.723108 & 4.426468 & 0.011375\end{array}$ $\begin{array}{lllllllll}1000 & 1036.719 & 0.006388 & 0.112896 & 0.107704 & 0.101394 & 3.68412 & 3.670745 & 0.004995\end{array}$ $\begin{array}{lllllllll}1000 & 1122.152 & 0.006653 & 0.118294 & 0.132685 & 0.129507 & 7.106644 & 4.733732 & 0.0095441\end{array}$ $\begin{array}{llllllllll}1000 & 552.2547 & 0.004533 & 0.072366 & 0.04007 & 0.067557 & 3.398653 & 3.273972 & 0.006712\end{array}$ $\begin{array}{lllllllll}1000 & 1077.994 & 0.006838 & 0.131668 & 0.113637 & 0.082503 & 4.636687 & 4.6695 & 0.007225\end{array}$ | 000 | 1117.627 | 0.007624 | 0.116165 | 0.13971 | 0.120569 | 5.151453 | 5.035786 | 0.009776 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 683.0605 | 0.006681 | 0.094835 | 0.063998 | 0.087346 | 3.313042 | 3.356565 | 0.005753 | $\begin{array}{lllllllll}1000 & 683.0605 & 0.006681 & 0.094835 & 0.063998 & 0.087346 & 3.313042 & 3.395635 & 0.005253 \\ 1000 & 1230.066 & 0.014954 & 0.161209 & 0.183921 & 0.111571 & 5.531636 & 7.602663 & 0.010824\end{array}$ $\begin{array}{lllllllll}1000 & 1350.056 & 0.014954 & 0.161109 & 0.183921 & 0.11157 & 5.531636 & 7.602663 & 0.010824 \\ 1000 & 755.2571 & 0.006092 & 0.06626 & 0.050913 & 0.047263 & 3.062147 & 4.499276 & 0.006234\end{array}$ $\begin{array}{lllllllll}000 & 807.0995 & 0.010626 & 0.113431 & 0.118033 & 0.056273 & 4.454462 & 4.652364 & 0.007042\end{array}$ $\begin{array}{lllllllll}1000 & 1606.912 & 0.011159 & 0.14641 & 0.131425 & 0.122007 & 6.592695 & 8.691475 & 0.007447\end{array}$



$\begin{array}{llll}0.083696 & 0.201797 & 0.917095 & 0.845605\end{array}$ $\begin{array}{llll}0.103333 & 0.276703 & 0.661272 & 0.75158 \\ 0.088213 & 0.323538 & 0.916008 & 0.789407\end{array}$ $\begin{array}{llllll}0.079282 & 0.302117 & 1.086334 & 0.863936\end{array}$ $\begin{array}{lllll}0.097405 & 0.324281 & 1.114693 & 1.355481\end{array}$ $\begin{array}{llllll}0.077352 & 0.306383 & 0.921915 & 0.583043\end{array}$ $\begin{array}{llll}0.076344 & 0.266908 & 0.528052 & 0.770031\end{array}$ $\begin{array}{lllll}0.077251 & 0.355244 & 0.701179 & 0.792349\end{array}$ $\begin{array}{rrrr}0.123527 & 0.310076 & 0.8757 & 0.76015 \\ 0.098473 & 0.305204 & 0.66436 & 0.637576\end{array}$ $\begin{array}{lllll}0.111156 & 0.2428 & 0.526604 & 1.001757\end{array}$ $\begin{array}{llllllll}0.075805 & 0.305611 & 0.723196 & 0.746406\end{array}$ $\begin{array}{lllll}0.073657 & 0.268603 & 0.553683 & 0.505668\end{array}$ $\begin{array}{llllllll}0.094724 & 0.210428 & 0.662241 & 1.086058\end{array}$ $\begin{array}{llllllll}0.067853 & 0.324909 & 0.873279 & 0.457086\end{array}$ $\begin{array}{lllll}0.041559 & 0.245832 & 0.787969 & 0.475841\end{array}$ | 0.062717 | 0.377104 | 1.132919 | 0.881158 |
| :--- | :--- | :--- | :--- |
| 078472 | 0.254547 | 0.79151 | 0.577032 | $\begin{array}{llll}0.08472 & 0.254547 & 0.79151 & 0.577032 \\ 0.081907 & 0.405284 & 0.952685 & 0.775906\end{array}$ $\begin{array}{llllll}0.133433 & 0.418531 & 0.89542 & 0.774429\end{array}$ $\begin{array}{llllll}0.043375 & 0.257209 & 0.572246 & 0.53952\end{array}$ $\begin{array}{lllllll}0.062871 & 0.292291 & 0.855482 & 0.744521\end{array}$ $\begin{array}{llllll}0.058979 & 0.214954 & 0.449502 & 0.672705\end{array}$ $\begin{array}{llll}0.058963 & 0.296526 & 0.566583 & 0.74368\end{array}$ $\begin{array}{llll}0.063948 & 0.310955 & 1.431218 & 0.675923\end{array}$ $\begin{array}{lllll}0.065787 & 0.275406 & 0.40973 & 0.481235\end{array}$ $0.040818 \quad 0.271853 \quad 0.60664 \quad 0.502385$ $\begin{array}{llllllllll}0.078382 & 0.312809 & 0.636326 & 0.726662\end{array}$ $\begin{array}{llllll}0.055099 & 0.279054 & 0.860321 & 0.885344\end{array}$ $0.0624 \quad 0.3162150 .4956210 .521928$ $\begin{array}{lllll}0.045926 & 0.282943 & 0.611198 & 0.492008\end{array}$ $\begin{array}{llllll}0.025522 & 0.291445 & 0.518871 & 0.567282\end{array}$ $\begin{array}{llll}0.079169 & 0.406742 & 0.52884 & 0.657153 \\ 0.05595 & 0.392127 & 0.60589 & 0.655529\end{array}$ $\begin{array}{lllll}0.082029 & 0.457817 & 0.844718 & 0.676885\end{array}$ $\begin{array}{llllll}0.046802 & 0.424729 & 0.634265 & 0.582386\end{array}$ $\begin{array}{lllll}0.051101 & 0.398233 & 0.790261 & 0.774236\end{array}$ $\begin{array}{lllll}0.089618 & 0.365711 & 0.5222 & 0.874647\end{array}$ $\begin{array}{llll}0.062073 & 0.412484 & 0.850796 & 1.006944\end{array}$ $\begin{array}{lllll}0.046661 & 0.328859 & 0.519283 & 0.480545\end{array}$ $\begin{array}{llll}0.045325 & 0.354592 & 0.81187 & 0.766764\end{array}$ 0691670.2313630 .5396880 .011879 $\begin{array}{lllll}0.083819 & 0.434603 & 1.476378 & 0.774401\end{array}$ $\begin{array}{lllll}0.058881 & 0.294623 & 1.111291 & 0.64152\end{array}$ $\begin{array}{lllll}0.073583 & 0.336673 & 1.154727 & 0.647747\end{array}$ 0.0643790 .4035670 .9954310 .794958 $\begin{array}{llll}0.07489 & 0.329479 & 0.802012 & 0.572851\end{array}$ $\begin{array}{lllll}0.05626 & 0.188213 & 0.460865 & 0.56473\end{array}$ $\begin{array}{lllll}0.117151 & 0.288318 & 0.86145 & 0.56373\end{array}$ $0.098370 .408764 \quad 1.0533830 .764163$ $\begin{array}{llllll}0.113329 & 0.324361 & 0.909241 & 1.112609\end{array}$ $\begin{array}{lllllll}0.089391 & 0.407538 & 0.991559 & 0.909655\end{array}$ 0.0741430 .2169050 .8189080 .464064 $\begin{array}{llll}0.066423 & 0.32418 & 1.081762 & 0.735518\end{array}$ $\begin{array}{lllll}0.084891 & 0.213973 & 0.583193 & 0.508413\end{array}$ $\begin{array}{llll}0.111603 & 0.397139 & 1.065156 & 0.838418 \\ 0.097847 & 0.272248 & 0.651496 & 0.858592\end{array}$ $\begin{array}{lllll}0.85848 \\ 0.079053 & 0.229241 & 0.5319599 & 0.612442\end{array}$ $\begin{array}{llllll}0.077328 & 0.308199 & 0.740873 & 0.597106\end{array}$ $\begin{array}{llllll}0.124329 & 0.261266 & 0.823266 & 0.73284\end{array}$ $\begin{array}{lllll}0.065222 & 0.18947 & 0.559972 & 0.365039\end{array}$


$\begin{array}{lllllllll}1000 & 1016.221 & 0.007099 & 0.094623 & 0.08589 & 0.092663 & 4.486746 & 4.963973 & 0.011594 \\ 1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 & 0.006518\end{array}$ $\begin{array}{llllllll}1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 \\ 0.006518 \\ 1000 & 950.2908 & 0.01302 & 0.120415 & 0.131304 & 0.10192 & 4.707709 & 6.204489 \\ 0.012003\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.111084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.117084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213 \\ 1000 & 1110.14 & 0.023229 & 0.13956 & 0.174083 & 0.128907 & 5.209649 & 5.21494 & 0.014084\end{array}$ | 1000 | 852.3185 | 0.016419 | 0.103542 | 0.106813 | 0.071966 | 4.23153 | 5.233355 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.008169 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1574.105 & 0.014493 & 0.117124 & 0.103436 & 0.084973 & 4.221981 & 3.819687 & 0.012251 \\ 1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5370208 & 6.677 & 0.012442\end{array}$ $\begin{array}{lllllllll}1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5.370208 & 6.677 & 0.012442 \\ 1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.85036 & 0.008304\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.858036 \\ 0.008304 \\ 1000 & 899.5454 & 0.01397 & 0.150538 & 0.109549 & 0.107297 & 4.375538 & 4.969924 \\ 0.006723\end{array}$ $\begin{array}{lllllllll}1000 & 1090.788 & 0.012767 & 0.14373 & 0.085471 & 0.111843 & 4.124196 & 5.056014 & 0.0010143\end{array}$ $\begin{array}{llllllllll}1000 & 865.9338 & 0.009617 & 0.125013 & 0.089434 & 0.106407 & 4.255877 & 4.462817 & 0.00857\end{array}$ $\begin{array}{llllllllll}1000 & 1135.011 & 0.00989 & 0.102061 & 0.093735 & 0.096517 & 4.20032 & 3.783032 & 0.004361\end{array}$ $\begin{array}{lllllllll}1000 & 1076.333 & 0.01365 & 0.128134 & 0.071661 & 0.139444 & 4.194757 & 5.710145 & 0.009123\end{array}$ $\begin{array}{llllllllll}1000 & 804.5285 & 0.007785 & 0.117597 & 0.15865 & 0.097554 & 4.676369 & 5.116258 & 0.005377\end{array}$ $\begin{array}{lllllllll}1000 & 707.2561 & 0.008202 & 0.114214 & 0.149803 & 0.095782 & 4.322039 & 4.078639 & 0.010286 \\ 1000 & 1170.893 & 0.014653 & 0.142921 & 0.14883 & 0.127582 & 5.1683 & 4.841204 & 0.007479\end{array}$ $\begin{array}{llllllll}1000 & 11770.893 & 0.014653 & 0.149221 & 0.148835 & 0.127582 & 5.16803 & 4.841204 \\ 0 & 0.007479 \\ 1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697\end{array} 0.008242$ $\begin{array}{lllllllll}1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697 & 0.008242 \\ 1000 & 1226.172 & 0.007848 & 0.170748 & 0.176601 & 0.180191 & 6.182361 & 5.684843 & 0.010146\end{array}$ $\begin{array}{llllllllll}1000 & 1215.358 & 0.010439 & 0.152939 & 0.186098 & 0.12052 & 5.126152 & 4.540818 & 0.009699\end{array}$ $\begin{array}{llllllllll}1000 & 593.8731 & 0.005299 & 0.109777 & 0.101871 & 0.101497 & 3.216839 & 2.960629 & 0.007717\end{array}$ $\begin{array}{llllllllll}1000 & 1236.537 & 0.00626 & 0.140107 & 0.104027 & 0.104237 & 4.537283 & 3.949645 & 0.008389\end{array}$ $\begin{array}{llllllllll}1000 & 787.6389 & 0.007324 & 0.101815 & 0.069231 & 0.08097 & 3.740782 & 3.691418 & 0.005012\end{array}$ $\begin{array}{lllllllll}1000 & 871.03377 & 0.007587 & 0.1071 & 0.126963 & 0.111998 & 3.478503 & 3.261468 & 0.007906 \\ 1000 & 1077921 & 0.01638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29292 & 0.006344\end{array}$ $\begin{array}{lllllllll}1000 & 1077.921 & 0.011638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29294 & 0.006344 \\ 1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927\end{array}$ $\begin{array}{lllllllll}1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927 \\ 1000 & 770.8747 & 0.005289 & 0.11753 & 0.095405 & 0.095173 & 3.670777 & 3.688437 & 0.003774\end{array}$ $\begin{array}{lllllllll}1000 & 770.8747 & 0.005289 & 0.11153 & 0.095405 & 0.0951773 & 3.670777 & 3.688337 & 0.003774 \\ 1000 & 729.9977 & 0.003877 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186\end{array}$ $\begin{array}{lllllllll}1000 & 729.9977 & 0.003887 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186 \\ 1000 & 941.9113 & 0.009091 & 0.093606 & 0.129406 & 0.09521 & 3.775278 & 3.929278 & 0.003195\end{array}$ $\begin{array}{llllllllll}1000 & 1344.561 & 0.006621 & 0.105728 & 0.118374 & 0.090613 & 5.301045 & 3.719901 & 0.003686\end{array}$ $\begin{array}{llllllll}1000 & 984.0357 & 0.009991 & 0.124466 & 0.151018 & 0.08435 & 5.026571 & 4.122042\end{array} 0.0006617$ $\begin{array}{lllllllll}1000 & 777.7399 & 0.008141 & 0.146862 & 0.12609 & 0.11483 & 5.090093 & 4.015402 & 0.010302 \\ 1000 & 1160.911 & 0.008077 & 0.115564 & 0.079303 & 0.109646 & 4.52522 & 3.787469 & 0.0068\end{array}$ $\begin{array}{ccccccccc}1000 & 1160.911 & 0.008077 \\ 1000 & 1279.97 & 0.01158564 & 0.0793303 & 0.109646 & 4.52502 & 3.787469 & 0.0068 \\ 1 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201\end{array}$ $\begin{array}{lllllllll}1000 & 1279.97 & 0.010387 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201 \\ 1000 & 889.4979 & 0.008381 & 0.111178 & 0.138824 & 0.12838 & 4.40959 & 5.591435 & 0.006881\end{array}$ $\begin{array}{llllllllll}1000 & 1358.712 & 0.008873 & 0.235041 & 0.174854 & 0.15902 & 6.713883 & 5.873333 & 0.00653\end{array}$ $\begin{array}{lllllllllllllll}1000 & 812.2332 & 0.008073 & 0.10745 & 0.12111 & 0.104481 & 4.479777 & 3.638333 & 0.006397\end{array}$ $\begin{array}{lllllllllll}1000 & 967.6265 & 0.006662 & 0.129528 & 0.055498 & 0.105201 & 4.970915 & 6.723842 & 0.010205\end{array}$ $\begin{array}{lllllllllllllll}1000 & 856.8817 & 0.009959 & 0.094299 & 0.094604 & 0.087075 & 4.985402 & 5.729057 & 0.003508\end{array}$ $\begin{array}{lllllllll}1000 & 1059.811 & 0.00769 & 0.104467 & 0.062987 & 0.08843 & 5.851986 & 5.720256 & 0.004627\end{array}$ | 1000 | 761.5438 | 0.0066133 | 0.090968 | 0.08881 | 0.070664 | 3.50178 | 3.318719 | 0.005394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1305.325 & 0.005612 & 0.100677 & 0.097859 & 0.100891 & 5.103456 & 3.775519 & 0.003332 \\ 1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215\end{array}$ $\begin{array}{lllllllll}1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215 \\ 1000 & 785.0348 & 0.011095 & 0.09686 & 0.096597 & 0.102212 & 3.573946 & 3.465522 & 0.008093\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 785.0338 & 0.011095 & 0.09686 & 0.096597 & 0.1022212 & 3.573946 & 3.465522 & 0.008093 \\ 1000 & 11423.314 & 0.01224 & 0.172575 & 0.111982 & 0.180714 & 6.134168 & 5.690494 & 0.011901\end{array}$ $\begin{array}{llllllllll}1000 & 845.8775 & 0.00831 & 0.117239 & 0.104515 & 0.09534 & 3.43989 & 3.454609 & 0.007993\end{array}$ $\begin{array}{llllllllll}1000 & 920.6605 & 0.013273 & 0.120156 & 0.100762 & 0.146567 & 4.68845 & 4.459565 & 0.010216\end{array}$ $\begin{array}{lllllllll}1000 & 956.5049 & 0.013653 & 0.251992 & 0.165922 & 0.167604 & 5.641193 & 6.856175 & 0.007094\end{array}$ $\begin{array}{llllllllll}1000 & 1085.356 & 0.012672 & 0.197891 & 0.092774 & 0.145275 & 3.54006 & 5.963944 & 0.010315\end{array}$ $\begin{array}{lllllllll}1000 & 824.6639 & 0.011884 & 0.148416 & 0.070722 & 0.139725 & 3.671278 & 4.624993 & 0.006797 \\ 1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682\end{array}$ $\begin{array}{lllllllll}1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682 \\ 1000 & 931.6837 & 0.013511 & 0.131078 & 0.076927 & 0.126919 & 4.394896 & 5.314237 & 0.008008\end{array}$ $\begin{array}{llllllll}1000 & 931.6837 & 0.013511 & 0.131078 & 0.074927 & 0.126919 & 4.394896 & 5.314237 \\ 1000 & 1049.128 & 0.010651 & 0.171883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 0.008501\end{array}$ $\begin{array}{llllllll}1000 & 1049.128 & 0.010651 & 0.1718883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 10.008501 \\ 1000 & 900.3294 & 0.012948 & 0.201184 & 0.15362 & 0.16056 & 4.547869 & 4.570922 \\ 0.010363\end{array}$ | 1000 | 1355.985 | 0.014597 | 0.201627 | 0.1775 | 0.247589 | 4.689395 | 5.177848 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 690.7616 & 0.008249 & 0.197834 & 0.217916 & 0.183749 & 4.140097 & 4.604512 & 0.0006164 \\ 1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.0950 & 0.01848\end{array}$ $\begin{array}{lllllllll}1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.09506 & 0.011843 \\ 1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 354286 & 3.086281 & 0.01456\end{array}$ $\begin{array}{lllllllll}1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 3.542686 & 3.986281 & 0.00456\end{array}$ $\begin{array}{lllllllll}1000 & 1257.304 & 0.019025 & 0.251169 & 0.241427 & 0.25009 & 5.28923 & 5.629704 & 0.015287 \\ 1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3741123 & 3.565873 & 0.01007\end{array}$ $\begin{array}{lllllllll}1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3.741123 & 3.565873 & 0.010007 \\ 1000 & 1248.964 & 0.01498 & 0.289531 & 0.224974 & 0.270115 & 4.571101 & 4.042984 & 0.011198\end{array}$ $\begin{array}{llllllll}1000 & 823.5624 & 0.016809 & 0.394811 & 0.34523 & 0.474367 & 3.763297 & 4.168391\end{array} 0.015613$ $\begin{array}{lllllllll}1000 & 998.6634 & 0.016629 & 0.501138 & 0.326665 & 0.46665 & 4.153445 & 5.534993 & 0.017012\end{array}$ $\begin{array}{llllllllllll}1000 & 750.2849 & 0.01435 & 0.413226 & 0.451846 & 0.36722 & 3.289197 & 3.722567 & 0.009513\end{array}$



$\begin{array}{llll}0.065676 & 0.268865 & 0.738267 & 0.616283 \\ 0.113977 & 0.316248 & 1.140023 & 0.81072\end{array}$ $\begin{array}{llll}0.113977 & 0.316248 & 1.140023 & 0.81072 \\ 0.075655 & 0.234425 & 0.474864 & 0.524759\end{array}$ $\begin{array}{llllll}0.09894 & 0.318365 & 0.75121 & 0.689122\end{array}$ $\begin{array}{llllll}0.045102 & 0.220789 & 0.487006 & 0.549946\end{array}$ $\begin{array}{lllllll}0.076409 & 0.287614 & 0.832738 & 0.655377\end{array}$ $\begin{array}{lllll}0.109905 & 0.275365 & 0.640198 & 0.880878\end{array}$ $\begin{array}{llll}0.058623 & 0.323127 & 0.594344 & 0.61409\end{array}$ $\begin{array}{lllll}0.063886 & 0.328648 & 0.803406 & 0.876994 \\ 0.050537 & 0.299871 & 0.619091 & 0.526927\end{array}$ $\begin{array}{lllll}0.060688 & 0.27798 & 0.473557 & 0.502419\end{array}$ $\begin{array}{lllll}0.076555 & 0.381852 & 0.674898 & 0.921046\end{array}$ $\begin{array}{lllll}0.099239 & 0.275926 & 0.627504 & 0.659976\end{array}$ $\begin{array}{llllll}0.084457 & 0.29799 & 0.549045 & 0.506182\end{array}$ $\begin{array}{lllllll}0.116179 & 0.417042 & 0.709609 & 0.540677\end{array}$ $\begin{array}{llll}0.035856 & 0.171578 & 0.350613 & 0.357328\end{array}$ $\begin{array}{llll}0.069348 & 0.230334 & 0.51509 & 0.384643\end{array}$ $\begin{array}{llll}0.0653579 & 0.245251 & 0.51821 & 0.588234 \\ 0.0785456 & 0.681643\end{array}$ 0.0685770 .2986790 .4738980 .425224 $\begin{array}{llllll}0.072191 & 0.372576 & 0.634176 & 0.679261\end{array}$ 0.0681450 .2237670 .5759020 .529974 $\begin{array}{lllll}0.080033 & 0.26611 & 0.554307 & 0.541584\end{array}$ 0.0919730 .3118610 .5409780 .624562 $\begin{array}{llllllll}0.050829 & 0.188007 & 0.384176 & 0.431768\end{array}$ | 0.04244 | 0.182239 | 0.352643 | 0.373198 |
| :--- | :--- | :--- | :--- |
| 071987 | 0.272691 | 0.544153 | 0.614675 | $\begin{array}{llllll}0.076623 & 0.32011 & 0.898537 & 0.506941\end{array}$ $\begin{array}{lllll}0.066518 & 0.284938 & 0.535653 & 0.365459\end{array}$ $\begin{array}{lllll}0.067368 & 0.31295 & 0.56088 & 0.576897\end{array}$ $\begin{array}{llllll}0.059817 & 0.34385 & 1.197257 & 0.526476\end{array}$ $\begin{array}{llllllllll}0.061617 & 0.280236 & 0.596757 & 0.566262\end{array}$ $\begin{array}{llll}0.060742 & 0.166824 & 0.373552 & 0.31503\end{array}$ $\begin{array}{llll}0.043619 & 0.306752 & 0.643224 & 0.514508 \\ & 0.082247 & 0.289094 & 0.424587\end{array}$ $\begin{array}{lllll}0.081429 & 0.37922 & 0.497026 & 0.858797\end{array}$ $\begin{array}{lllll}0.08065 & 0.288804 & 0.507602 & 0.416375\end{array}$ $\begin{array}{lllll}0.087862 & 0.269682 & 0.578383 & 0.484711\end{array}$ $\begin{array}{lllllll}0.067144 & 0.313885 & 0.624764 & 0.624783\end{array}$ $\begin{array}{llll}0.064276 & 0.249311 & 0.371427 & 0.271022\end{array}$ $\begin{array}{lllll}0.071888 & 0.315816 & 0.363209 & 0.374765\end{array}$ $\begin{array}{llll}0.068193 & 0.246931 & 0.482722 & 0.405621 \\ 0.04629 & 0.17543 & 0.349861 & 0.383319\end{array}$ $\begin{array}{lllll}0.070105 & 0.249137 & 0.406832 & 0.418164\end{array}$ $\begin{array}{lllll}0.094099 & 0.282587 & 0.542026 & 0.513018\end{array}$ $\begin{array}{llllll}0.081242 & 0.336452 & 0.567386 & 0.497003\end{array}$ $\begin{array}{llllll}0.075775 & 0.295109 & 0.393918 & 0.36318\end{array}$ $\begin{array}{llll}0.066286 & 0.264543 & 0.488434 & 0.309966\end{array}$ $\begin{array}{llll}0.041711 & 0.236466 & 0.561484 & 0.27726\end{array}$ $\begin{array}{llll}0.071345 & 0.338379 & 0.335573 & 0.320607\end{array}$ | 0.036835 | 0.226509 | 0.385659 | 0.25353 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.034867 & 0.294721 & 0.260064 & 0.314215\end{array}$ $0.084083 \quad 0.291174 \quad 0.334823 \quad 0.305431$ $\begin{array}{llllllllllll}0.050216 & 0.340251 & 0.295357 & 0.277428\end{array}$ $\begin{array}{llll}0.046059 & 0.299606 & 0.258698 & 0.22819\end{array}$ $\begin{array}{llll}0.054756 & 0.182943 & 0.260061 & 0.196812\end{array}$ $\begin{array}{llll}0.032255 & 0.308419 & 0.322532 & 0.303762\end{array}$ $\begin{array}{llll}0.041426 & 0.355073 & 0.229179 & 0.280469\end{array}$ $\begin{array}{llll}0.041853 & 0.294108 & 0.277086 & 0.282102\end{array}$ $\begin{array}{lllll}0.031071 & 0.337199 & 0.284834 & 0.4231\end{array}$ $\begin{array}{lllllll}0.055782 & 0.347701 & 0.359497 & 0.234332\end{array}$ $\begin{array}{lllll}0.049772 & 0.448418 & 0.424167 & 0.361735\end{array}$


$\begin{array}{llllllllllll}1000 & 872.9719 & 0.014065 & 0.704017 & 0.33957 & 0.291189 & 3.849276 & 4.044059 & 0.010171\end{array}$ | 1000 | 1330.091 | 0.013185 | 0.358471 | 0.350273 | 0.37538 | 5.490088 | 5.3408936 | 0.014696 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll} & 0000 & 893.3956 & 0.014834 & 0.291444 & 0.194535 & 0.188509 & 3.448135 & 3.373683 \\ 1000 & 1420.369 & 0.014366 & 0.256093 & 0.160132 & 0.170031 & 5.021392 & 3.857482 & 0.005449\end{array}$ $\begin{array}{lllllllll}1000 & 649.4856 & 0.009712 & 0.156284 & 0.101053 & 0.09641 & 3.168338 & 2.663237 & 0.004957\end{array}$ $\begin{array}{lllllllll}1000 & 948.4029 & 0.012895 & 0.178114 & 0.181156 & 0.174702 & 4.931106 & 4.486495 & 0.007794\end{array}$ $\begin{array}{lllllllll}1000 & 1228.832 & 0.008471 & 0.187775 & 0.160115 & 0.155118 & 3.667647 & 3.907937 & 0.0077168 \\ 1000 & 899.1288 & 0.11519 & 0.169979 & 0.118793 & 0.14327 & 3.93855 & 4.315453 & 0.014771\end{array}$ $\begin{array}{llllllll}1000 & 899.1228 & 0.011519 & 0.160979 & 0.118793 & 0.143227 & 3.93685 & 4.315453 \\ 1000 & 1276.816 & 0.014771 \\ 1 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.05009\end{array}$ $\begin{array}{lllllllll}1000 & 1276.816 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.005009 \\ 1000 & 1255.613 & 0.009139 & 0.096677 & 0.107209 & 0.111357 & 4.622795 & 3.610387 & 0.006977\end{array}$ $\begin{array}{llllllllll}1000 & 1053.183 & 0.015042 & 0.125036 & 0.146874 & 0.106161 & 4.216895 & 4.201283 & 0.009146\end{array}$ $\begin{array}{llllllllll}1000 & 1678.138 & 0.013739 & 0.114768 & 0.134825 & 0.126052 & 5.6345 & 4.978124 & 0.012016\end{array}$ $\begin{array}{lllllllll}1000 & 1124.756 & 0.012753 & 0.10207 & 0.078082 & 0.09377 & 4.272023 & 3.532683 & 0.010574\end{array}$ $\begin{array}{llllllllll}1000 & 1362.616 & 0.01134 & 0.102 & 0.06596 & 0.080998 & 4.039916 & 4.097019 & 0.008362\end{array}$ $\begin{array}{lllllllll}1000 & 1324.256 & 0.009756 & 0.101336 & 0.137302 & 0.098679 & 4.292796 & 4.947793 & 0.009385\end{array}$ $\begin{array}{lllllllll}1000 & 703.6922 & 0.006659 & 0.084906 & 0.046896 & 0.06574 & 2.840201 & 2.90494 & 0.007919\end{array}$ $\begin{array}{lllllllll}1000 & 825.6332 & 0.010975 & 0.100352 & 0.08978 & 0.07033 & 3.239133 & 3.664747 & 0.006101 \\ 1000 & 1034.259 & 0.012176 & 0.114602 & 0.061401 & 0.05521 & 4.56873 & 4.448224 & 0.009237\end{array}$ $\begin{array}{llllllllll}1000 & 916.2945 & 0.016705 & 0.101138 & 0.120177 & 0.090567 & 5.192324 & 4.502734 & 0.0090375\end{array}$ $\begin{array}{llllllllll}1000 & 825.8778 & 0.007036 & 0.098165 & 0.060628 & 0.070739 & 3.900381 & 3.578411 & 0.012907\end{array}$ $\begin{array}{lllllllll}1000 & 1155.405 & 0.01102 & 0.103596 & 0.135147 & 0.102994 & 4.909748 & 4.706077 & 0.012697\end{array}$ $\begin{array}{lllllllll}1000 & 813.3077 & 0.010929 & 0.102051 & 0.107932 & 0.076639 & 3.817345 & 3.87721 & 0.010811\end{array}$ $\begin{array}{llllllllllllll}1000 & 914.6925 & 0.010652 & 0.076627 & 0.076387 & 0.085377 & 4.407336 & 3.619565 & 0.012099\end{array}$ $\begin{array}{llllllllll}1000 & 920.6502 & 0.015795 & 0.116947 & 0.127196 & 0.070757 & 4.800968 & 5.007915 & 0.010288\end{array}$ $\begin{array}{lllllllll}1000 & 954.6204 & 0.011465 & 0.06894 & 0.095311 & 0.080382 & 3.50812 & 3.812511 & 0.009583 \\ 1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 & 0.006357\end{array}$ $\begin{array}{rrrrrrrr}1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 \\ 10.006357 \\ 1000 & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 \\ 0 & 0.011001\end{array}$ $\begin{array}{lllllllll} & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 & 0.0110067 \\ 1000 & 926.7225 & 0.019365 & 0.096769 & 0.125932 & 0.097836 & 5.89259 & 4.229299 & 0.012267\end{array}$ $\begin{array}{lllllllll}1000 & 828.3485 & 0.011012 & 0.086456 & 0.072677 & 0.075966 & 3.779308 & 3.02274 & 0.009313\end{array}$ $\begin{array}{lllllllll}1000 & 1161.764 & 0.011365 & 0.109718 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005806\end{array}$ $\begin{array}{lllllllll}1000 & 1611.764 & 0.011365 & 0.10971 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005830 \\ 1000 & 1047.277 & 0.00882 & 0.104816 & 0.119221 & 0.087379 & 4.200663 & 4.849936 & 0.009275\end{array}$ | 1000 | 891.3188 | 0.009442 | 0.091106 | 0.114499 | 0.098883 | 3.480927 | 3.562527 | 0.006534 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 977.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 | | 1000 | 797.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1156.795 & 0.009631 & 0.142164 & 0.077825 & 0.111322 & 4.333877 & 5.226023 & 0.013111 \\ 1000 & 944.7618 & 0.008217 & 0.10563 & 0.061842 & 0.079404 & 3.985668 & 4.081635 & 0.005877\end{array}$ $\begin{array}{lllllllll}1000 & 9445.5014 & 0.008816 & 0.093887 & 0.076977 & 0.101333 & 4.385944 & 4.171995 & 0.0048677\end{array}$ $\begin{array}{llllllllll}1000 & 873.9323 & 0.006792 & 0.112003 & 0.094152 & 0.108877 & 4.237036 & 4.216531 & 0.008746\end{array}$ $\begin{array}{llllllllll}1000 & 1410.894 & 0.014165 & 0.113134 & 0.086203 & 0.088789 & 4.513254 & 4.305039 & 0.010252\end{array}$ $\begin{array}{lllllllll}1000 & 948.2983 & 0.003536 & 0.113041 & 0.107225 & 0.091019 & 4.072684 & 4.52745 & 0.006672\end{array}$ $\begin{array}{lllllllll}1000 & 740.6505 & 0.005411 & 0.076641 & 0.066764 & 0.060943 & 3.262087 & 2.835855 & 0.00674 \\ 1000 & 829.9658 & 0.00529 & 0.077766 & 0.054144 & 0.11726 & 3.428368 & 3.865448 & 0.007734\end{array}$ | 1000 | 829.9658 | 0.00529 | 0.077766 | 0.054149 | 0.117286 | 3.498268 | 3.864548 | 0.007734 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 807.4725 & 0.01077 & 0.089988 & 0.102311 & 0.104708 & 3.53959 & 3.951815 & 0.008468\end{array}$ $\begin{array}{llllllllll}1000 & 625.9525 & 0.007907 & 0.066094 & 0.056907 & 0.05721 & 3.039407 & 3.249657 & 0.005351 \\ 1000 & 795.8265 & 0.010302 & 0.068463 & 0.094903 & 0.128941 & 3.32438 & 3.108438 & 0.00443\end{array}$ $\begin{array}{lllllllll}1000 & 1065.478 & 0.013635 & 0.097266 & 0.0559 & 0.071746 & 4.153582 & 3.872499 & 0.007499\end{array}$ $\begin{array}{lllllllll}1000 & 1004.091 & 0.015923 & 0.09168 & 0.080265 & 0.095451 & 5.054765 & 4.364382 & 0.006421\end{array}$ $\begin{array}{lllllllll}1000 & 1045.102 & 0.01334 & 0.102867 & 0.057352 & 0.079753 & 3.461246 & 3.510425 & 0.003583\end{array}$ $\begin{array}{lllllllll}1000 & 1018.723 & 0.010329 & 0.067551 & 0.105888 & 0.064331 & 3.073359 & 2.940115 & 0.004365\end{array}$ $\begin{array}{llllllllll}1000 & 857.1641 & 0.007611 & 0.074142 & 0.058673 & 0.058886 & 2.988797 & 2.959785 & 0.005923 \\ 1000 & & 31.4585 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 380647 & 3.47813 & 0.005086\end{array}$ $\begin{array}{lllllllll}1000 & 931.45855 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 3.80647 & 3.478132 & 0.005086 \\ 1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753\end{array}$ $\begin{array}{lllllllll}1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753 \\ 1000 & 890.6175 & 0.003749 & 0.07393 & 0.063187 & 0.061287 & 3.095169 & 3.189477 & 0.002408\end{array}$ $\begin{array}{lllllllll}1000 & 890.6175 & 0.003749 & 0.07393 & 0.063188 & 0.061287 & 3.095169 & 3.189477 & 0.002408 \\ 1000 & 955.0018 & 0.007812 & 0.071794 & 0.078389 & 0.070699 & 3.26266 & 3.142689 & 0.000858\end{array}$ $\begin{array}{llllllllll}1000 & 9499.4681 & 0.004039 & 0.081506 & 0.081974 & 0.073163 & 3.655159 & 3.428821 & 0.002951\end{array}$ $\begin{array}{lllllllllll}1000 & 1093.527 & 0.011701 & 0.079208 & 0.054211 & 0.076298 & 3.512374 & 3.572749 & 0.004509\end{array}$ $\begin{array}{lllllllll}1000 & 869.6405 & 0.004782 & 0.060918 & 0.10562 & 0.052589 & 3.35508 & 3.336445 & 0.002368\end{array}$ $\begin{array}{lllllllll}1000 & 822.2375 & 0.003044 & 0.066574 & 0.023122 & 0.050034 & 3.000961 & 3.08378 & 0.001469\end{array}$ $\begin{array}{llllllllll}1000 & 1012.584 & 0.00491 & 0.067987 & 0.066981 & 0.057394 & 3.347137 & 3.862973 & 0.004069\end{array}$ $\begin{array}{lllllllll}1000 & 1080.664 & 0.004111 & 0.049027 \\ 1000 & 056.2832 & 0.055718 & 0.068522 & 3.691904 & 3.964249 & 0.001371\end{array}$ $\begin{array}{lllllllll}1000 & 856.2832 & 0.003448 & 0.055312 & 0.068453 & 0.044904 & 3.446015 & 3.456855 & 0.001545 \\ 1000 & 1011.951 & 0.009626 & 0.060266 & 0.022406 & 0.059954 & 4.037772 & 3.789148 & 0.003658\end{array}$ $\begin{array}{lllllllll}1000 & 1004.951 & 0.006057 & 0.067936 & 0.069196 & 0.059292 & 4.27992 & 3.930326 & 0.001364\end{array}$ $\begin{array}{llllllllll}1000 & 1107.037 & 0.004778 & 0.058946 & 0.021915 & 0.050295 & 4.062097 & 4.331422 & 0.001667\end{array}$ $\begin{array}{llllllllll}1000 & 1115.189 & 0.002279 & 0.049183 & 0.048221 & 0.037579 & 3.91192 & 4.057308 & 0.001294\end{array}$



$\begin{array}{lllll}0.035028 & 0.376487 & 0.417775 & 0.428052\end{array}$ $\begin{array}{lllll}0.021857 & 0.410397 & 0.356959 & 0.308907\end{array}$ $\begin{array}{llllll}0.030416 & 0.351169 & 0.287911 & 0.303057\end{array}$ $\begin{array}{lllll}0.030292 & 0.37535 & 0.32485 & 0.267431\end{array}$ $\begin{array}{lllll}0.040283 & 0.277973 & 0.376696 & 0.396013\end{array}$ $\begin{array}{rlll}0.03703 & 0.320573 & 0.303256 & 0.276236\end{array}$ $\begin{array}{llll}0.051772 & 0.327455 & 0.295775 & 0.282363 \\ 0\end{array}$ $\begin{array}{llll}0.031213 & 0.206816 & 0.328234 & 0.235368 \\ 0.029797 & 0.26085 & 0.332935 & 0.341638\end{array}$ $\begin{array}{lllll} & 0.02987 \\ 0.026886 & 0.32711 & 0.370161 & 0.363714\end{array}$ $\begin{array}{lllll}0.020683 & 0.34778 & 0.421404 & 0.50626\end{array}$ $\begin{array}{lllll}0.043793 & 0.374611 & 0.503915 & 0.395932\end{array}$ $\begin{array}{llllll}0.019344 & 0.425115 & 0.544809 & 0.483431\end{array}$ $\begin{array}{lllll}0.035737 & 0.333298 & 0.643927 & 0.936236\end{array}$ $\begin{array}{lllll}0.048138 & 0.379225 & 0.445168 & 0.823688\end{array}$ $\begin{array}{llll}0.08197 & 0.336332 & 0.547675 & 0.399162 \\ 0.047058 & 0.410634 & 0.776648 & 0.749854\end{array}$ $\begin{array}{llll}0.04058 & 0.410634 & 0.776648 & 0.749854 \\ 0.048827 & 0.358637 & 0.628326 & 0.601575\end{array}$ $\begin{array}{lllll}0.043479 & 0.195671 & 0.54747 & 0.56329\end{array}$ $\begin{array}{lllll}0.071734 & 0.267242 & 0.677402 & 0.715816\end{array}$ $\begin{array}{lllll}0.056774 & 0.248151 & 0.807629 & 0.515172\end{array}$ $\begin{array}{llllll}0.058836 & 0.298753 & 0.625254 & 0.586547\end{array}$ $\begin{array}{llll}0.041194 & 0.266268 & 0.56856 & 0.617736 \\ 0\end{array}$ $\begin{array}{llll}0.086047 & 0.263418 & 0.601788 & 0.559653\end{array}$ $\begin{array}{llll}0.059752 & 0.313196 & 0.574159 & 0.424342 \\ 0\end{array}$ $\begin{array}{lllll}0.062386 & 0.271601 & 0.767866 & 0.531861\end{array}$ $\begin{array}{lllll}0.081882 & 0.215644 & 0.557541 & 0.606412\end{array}$ $\begin{array}{lllll}0.039721 & 0.28398 & 0.611658 & 0.516455\end{array}$ $\begin{array}{lllll}0.044551 & 0.263786 & 0.50314 & 0.469553\end{array}$ $\begin{array}{llll}0.070123 & 0.23722 & 0.496852 & 0.514453\end{array}$ $\begin{array}{llll}0.057382 & 0.256137 & 0.491356 & 0.450584\end{array}$ $\begin{array}{llll}0.047699 & 0.266006 & 0.411523 & 0.30543 \\ 0.048341 & 0.288725 & 0.527391 & 0.47777\end{array}$ $\begin{array}{llll}0.054723 & 0.336709 & 0.489652 & 0.529382\end{array}$ $\begin{array}{lllll}0.052886 & 0.249091 & 0.504808 & 0.303952\end{array}$ $\begin{array}{lllll}0.033548 & 0.261595 & 0.526281 & 0.418348\end{array}$ $\begin{array}{lllll}0.04383 & 0.282789 & 0.534421 & 0.489166\end{array}$ $\begin{array}{llll}0.032599 & 0.261806 & 0.875228 & 0.530797\end{array}$ $\begin{array}{lllll}0.04815 & 0.357464 & 0.492851 & 0.477598\end{array}$ $\begin{array}{llll}0.048561 & 0.359645 & 0.568071 & 0.530688 \\ 0.04731 & 0.287309 & 0.459911 & 0.530564\end{array}$ $\begin{array}{lllll}0.047194 & 0.353967 & 0.459911 & 0.530564 \\ 0.75973 & 0.553662\end{array}$ $\begin{array}{lllll}0.070022 & 0.371984 & 0.595693 & 0.692863\end{array}$ $\begin{array}{lllll}0.065923 & 0.312506 & 0.563454 & 0.40364\end{array}$ $\begin{array}{lllll}0.060119 & 0.336135 & 0.760356 & 0.594158\end{array}$ $\begin{array}{llllll}0.053311 & 0.356963 & 0.765681 & 0.760563\end{array}$ $\begin{array}{lllll}0.070797 & 0.278996 & 0.573614 & 0.712964\end{array}$ $\begin{array}{llll}0.040789 & 0.219488 & 0.723918 & 0.539881\end{array}$ $\begin{array}{llll}0.072789 & 0.278736 & 0.578844 & 0.660738 \\ 0.092182 & 0.235582 & 0.924969 & 0.588656\end{array}$ $\begin{array}{lllll}0.055517 & 0.2575434 & 0.589117 & 0.555687 \\ 0.05856\end{array}$ $\begin{array}{lllllll}0.074849 & 0.282057 & 0.625797 & 0.64309\end{array}$ $\begin{array}{llllll}0.060006 & 0.31065 & 0.643697 & 0.556327\end{array}$ $\begin{array}{lllll}0.036844 & 0.2436 & 0.600106 & 0.555423\end{array}$ $\begin{array}{llll}0.059383 & 0.329862 & 0.589537 & 0.458345\end{array}$ $\begin{array}{llll}0.034756 & 0.20102 & 0.481821 & 0.327827\end{array}$ $\begin{array}{llll}0.043194 & 0.213071 & 0.319899 & 0.356155 \\ 0.050184 & 0.39786 & 0.474666 & 0.424577\end{array}$ $\begin{array}{llll}0.050184 & 0.39786 & 0.474666 & 0.424577 \\ 0.028916 & 0.228787 & 0.502222 & 0.345804\end{array}$ 0.054670 .2598030 .4229660 .413569 $\begin{array}{llllll}0.018441 & 0.245527 & 0.446319 & 0.378729\end{array}$ $\begin{array}{lllll}0.057609 & 0.200257 & 0.295037 & 0.345752\end{array}$
$\begin{array}{lllllllll}1000 & 1108.548 & 0.005133 & 0.038956 & 0.022906 & 0.044815 & 4.264096 & 4.252393 & 0.001742\end{array}$ $\begin{array}{llllllll}10000 & 1064.173 & 0.000938 & 0.059692 & 0.0600886 & 0.039183 & 3.733479 & 4.199405\end{array} 0.0002432$ $\begin{array}{lllllllll}1000 & 909.7895 & 0.006343 & 0.06436 & 0.022289 & 0.041722 & 3.82401 & 4.044597 & 0.00325\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.004123 & 0.068476 & 0.062984 & 0.052049 & 3.974952 & 3.95455 & 0.005285\end{array}$ $\begin{array}{llllllll}1000 & 1133.472 & 0.012053 & 0.062466 & 0.039625 & 0.04144 & 3.623068 & 3.699988 \\ 0.00404001\end{array}$ $\begin{array}{llllllll}1000 & 1020.749 & 0.018055 & 0.078434 & 0.065784 & 0.061984 & 4.369759 & 4.1699766 \\ 0 & 0.005539\end{array}$ $\begin{array}{lllllllll}1000 & 1023.759 & 0.016307 & 0.088591 & 0.051384 & 0.060454 & 4.104753 & 4.007953 & 0.0033898\end{array}$ $\begin{array}{lllllllll}1000 & 848.0146 & 0.013916 & 0.058286 & 0.043161 & 0.045413 & 3.152509 & 3.621434 & 0.00517 \\ 1000 & 850.9336 & 0.011538 & 0.071965 & 0.041264 & 0.064923 & 3.618871 & 3.544645 & 0.004401\end{array}$ $\begin{array}{lllllllll}1000 & 766.0989 & 0.008721 & 0.062355 & 0.062714 & 0.047789 & 3.749247 & 3.880926 & 0.00471\end{array}$ $\begin{array}{llllllllll}1000 & 1005.176 & 0.008978 & 0.064304 & 0.074483 & 0.043734 & 4.572506 & 3.831523 & 0.004266\end{array}$ $\begin{array}{lllllllll}1000 & 912.1135 & 0.011277 & 0.077203 & 0.042429 & 0.05936 & 4.215434 & 4.03289 & 0.002832\end{array}$ $\begin{array}{lllllllll}1000 & 970.426 & 0.017992 & 0.067072 & 0.063069 & 0.060768 & 4.630065 & 4.768905 & 0.00252\end{array}$ $\begin{array}{lllllllll}1000 & 1043.775 & 0.022474 & 0.076046 & 0.06702 & 0.108494 & 5.17051 & 4.922747 & 0.009833\end{array}$ $\begin{array}{lllllllll}1000 & 873.2904 & 0.019853 & 0.087224 & 0.062361 & 0.083392 & 4.011397 & 3.84184 & 0.00321 \\ 1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654\end{array}$ $\begin{array}{lllllllll}1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654 \\ 1000 & 1023.371 & 0.023073 & 0.09027 & 0.086384 & 0.063878 & 4.285553 & 4.370276 & 0.007743\end{array}$ $\begin{array}{llllllllll}1000 & 1023.372 & 0.023035 & 0.0927 & 0.08684 & 0.06885 & 4.28553 & 4.370276 & 0.007743 \\ 1000 & 974.7527 & 0.02395 & 0.1507 & 0.06145 & 0.062953 & 4.028921 & 4.512634 & 0.010559\end{array}$ $\begin{array}{llllllllllll}1000 & 893.6566 & 0.021923 & 0.107558 & 0.105299 & 0.097753 & 4.037576 & 3.878276 & 0.008028\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 1039.476 & 0.019774 & 0.115837 & 0.076663 & 0.109107 & 3.757368 & 3.986344 & 0.006872\end{array}$ $\begin{array}{lllllllllll}1000 & 823.1696 & 0.0187 & 0.110961 & 0.085356 & 0.100126 & 3.44885 & 3.916656 & 0.006656\end{array}$ $\begin{array}{lllllllll}1000 & 1060.048 & 0.026804 & 0.10061 & 0.108638 & 0.114556 & 4.237866 & 4.072467 & 0.008969\end{array}$ $\begin{array}{lllllllll}1000 & 1008.253 & 0.026157 & 0.097532 & 0.109355 & 0.108454 & 4.162993 & 4.17463 & 0.013334\end{array}$ $\begin{array}{lllllllll}1000 & 899.848 & 0.027544 & 0.117482 & 0.09932 & 0.133542 & 4.064517 & 3.993839 & 0.007476 \\ 1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937 \\ 1000 & 1023.38 & 0.025085 & 0.114501 & 0.136092 & 0.096634 & 4.138614 & 3.81941 & 0.006509\end{array}$ $\begin{array}{llllllllll}1000 & 970.3587 & 0.020799 & 0.10025 & 0.08143 & 0.098163 & 4.206118 & 4.317794 & 0.003154\end{array}$ $\begin{array}{llllllllll}1000 & 915.5065 & 0.011175 & 0.118047 & 0.112181 & 0.089042 & 3.618862 & 3.70401 & 0.010017\end{array}$ $\begin{array}{lllllllll}1000 & 1089.335 & 0.009007 & 0.088039 & 0.147232 & 0.102797 & 3.531798 & 4.255163 & 0.004955\end{array}$ $\begin{array}{lllllllll}1000 & 1038.068 & 0.009626 & 0.074058 & 0.060089 & 0.072338 & 3.42897 & 3.495564 & 0.004745\end{array}$ $\begin{array}{llllllll}1000 & 948.7363 & 0.007992 & 0.068884 & 0.061609 & 0.088961 & 3.50209 & 3.692827 \\ 0 & 0.004187\end{array}$ $\begin{array}{lllllllll}1000 & 877.7375 & 0.00959 & 0.073013 & 0.077498 & 0.093423 & 3.418535 & 3.832004 & 0.006234 \\ 1000 & 956.7108 & 0.005436 & 0.07089 & 0.086999 & 0.08103 & 3.726575 & 3.603131 & 0.002786\end{array}$ $\begin{array}{llllllll}1000 & 956.7108 & 0.005436 & 0.070897 & 0.086999 & 0.08103 & 3.726575 & 3.603131\end{array} 0.002786$ $\begin{array}{lllllllll}1000 & 1132.198 & 0.007035 & 0.095474 & 0.05324 & 0.077769 & 3.818563 & 4.265658 & 0.0044429\end{array}$ $\begin{array}{lllllllll}1000 & 832.1126 & 0.002605 & 0.061511 & 0.074868 & 0.06125 & 3.255207 & 3.280071 & 0.004004\end{array}$

 $\begin{array}{lllllllll}1000 & 996.8766 & 0.006269 & 0.087424 & 0.100508 & 0.083565 & 3.424422 & 3.843026 & 0.002962\end{array}$ $\begin{array}{llllllll}1000 & 11566.703 & 0.004006 & 0.07669 & 0.143069 & 0.07541 & 4.075957 & 4.187035 \\ 0.0008059\end{array}$ $\begin{array}{lllllllll}1000 & 891.4227 & 0.005092 & 0.071734 & 0.099173 & 0.066068 & 3.936154 & 3.715779 & 0.003858 \\ 1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.149235 & 3.635626 & 0.006679\end{array}$ $\begin{array}{lllllllll}1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.419235 & 3.635626 & 0.006679 \\ 1000 & 887.3393 & 0.007285 & 0.070707 & 0.068663 & 0.068881 & 3.750428 & 3.773376 & 0.007114\end{array}$ $\begin{array}{llllllllll}1000 & 1066.959 & 0.019271 & 0.093481 & 0.093181 & 0.077137 & 5.787344 & 4.372779 & 0.00946\end{array}$ $\begin{array}{llllllllll}1000 & 1302.067 & 0.015506 & 0.082069 & 0.124692 & 0.131703 & 4.986151 & 4.585501 & 0.007337\end{array}$ $\begin{array}{lllllllllllll}1000 & 812.4959 & 0.012109 & 0.079873 & 0.06104 & 0.073313 & 3.527808 & 3.821447 & 0.006674\end{array}$ $\begin{array}{llllllllll}1000 & 966.9775 & 0.020721 & 0.140384 & 0.134148 & 0.161083 & 4.422682 & 4.712396 & 0.013498\end{array}$ $\begin{array}{lllllllll}1000 & 1229.557 & 0.026476 & 0.231236 & 0.219388 & 0.204314 & 5.637636 & 5.061217 & 0.011036\end{array}$ $\begin{array}{lllllllll}1000 & 1313.712 & 0.033448 & 0.239708 & 0.20347 & 0.228106 & 4.579264 & 4.589 & 0.013898\end{array}$ $\begin{array}{lllllllll}1000 & 914.5175 & 0.026937 & 0.133971 & 0.126773 & 0.111383 & 3.678068 & 3.943558 & 0.010162 \\ 1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573\end{array}$ $\begin{array}{lllllrlll}1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573 \\ 1000 & 1240.811 & 0.030683 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.672415 & 0.009696\end{array}$ $\begin{array}{lllllllll}1000 & 1240.811 & 0.030383 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.678415 & 0.009696 \\ 1000 & 938.2688 & 0.037719 & 0.12271 & 0.098416 & 0.091121 & 3.680776 & 3.610763 & 0.007546\end{array}$ $\begin{array}{llllllllll}1000 & 955.4093 & 0.024604 & 0.105046 & 0.126463 & 0.124623 & 4.207025 & 4.286892 & 0.007193\end{array}$ $\begin{array}{llllllllll}1000 & 996.0414 & 0.030438 & 0.120475 & 0.089153 & 0.114515 & 4.168469 & 4.529134 & 0.012263\end{array}$ $\begin{array}{llllllllll}1000 & 9999.7431 & 0.024646 & 0.109388 & 0.125527 & 0.094572 & 4.160495 & 4.009752 & 0.009175\end{array}$ $\begin{array}{lllllllll}1000 & 9933.2419 & 0.025452 & 0.130885 & 0.124318 & 0.110991 & 3.697623 & 4.156844 & 0.006706 \\ 1000 & 817.6111 & 0.020671 & 0.092829 & 0.082038 & 0.072505 & 351454 & 3.16952 & 0.004626\end{array}$ $\begin{array}{lllllllll}1000 & 817.6111 & 0.020671 & 0.098229 & 0.082039 & 0.072505 & 3.514754 & 3.16052 & 0.004626\end{array}$ | 1000 | 804.1267 | 0.018368 | 0.101029 | 0.083987 | 0.085626 | 2.83094 | 3.259825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 982.0805 | 0.006618 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 982.0805 & 0.022924 & 0.122517 & 0.069108 & 0.089649 & 3.891964 & 3.569157 & 0.007357 \\ 1000 & 959.0853 & 0.012008 & 0.083894 & 0.067447 & 0.089008 & 3.451132 & 3.487726 & 0.003747\end{array}$ $\begin{array}{lllllllll}1000 & 9028.965 & 0.018894 & 0.081575 & 0.069721 & 0.083393 & 3.542995 & 3.851619 & 0.008792\end{array}$ $\begin{array}{llllllllll}1000 & 1009.537 & 0.015858 & 0.067928 & 0.085206 & 0.080828 & 3.688952 & 3.454282 & 0.003702\end{array}$ $\begin{array}{llllllllllllll}1000 & 755.3925 & 0.009323 & 0.066262 & 0.039059 & 0.041791 & 2.989262 & 2.906366 & 0.003535\end{array}$


$\begin{array}{llll}0.054092 & 0.289757 & 0.340842 & 0.368277\end{array}$ $\begin{array}{lllll}0.033654 & 0.321184 & 0.391179 & 0.387664\end{array}$ $\begin{array}{llllll}0.030532 & 0.279849 & 0.286134 & 0.274418\end{array}$ $\begin{array}{llllll}0.035466 & 0.267416 & 0.355427 & 0.436274\end{array}$ $\begin{array}{lllll}0.030554 & 0.291698 & 0.427795 & 0.398125\end{array}$ $\begin{array}{llllll}0.036795 & 0.360412 & 0.394157 & 0.442223\end{array}$ $\begin{array}{lllll}0.030096 & 0.285217 & 0.423649 & 0.329241\end{array}$ $\begin{array}{llll}0.055956 & 0.241749 & 0.54953 & 0.3979 \\ 0.048328 & 0.342476 & 0.50657 & 0.36987\end{array}$ $\begin{array}{lllll}0.044503 & 0.340649 & 0.530332 & 0.475021\end{array}$ $\begin{array}{lllll}0.051932 & 0.260829 & 0.519429 & 0.532244\end{array}$ $\begin{array}{lllll}0.054454 & 0.25881 & 0.63729 & 0.587583\end{array}$ $\begin{array}{llllll}0.041082 & 0.311026 & 0.536662 & 0.481904\end{array}$ $\begin{array}{lllllll}0.036808 & 0.263224 & 0.532341 & 0.501419\end{array}$ $\begin{array}{llllllll}0.057375 & 0.285146 & 0.490599 & 0.525493\end{array}$ $\begin{array}{llll}0.044492 & 0.342901 & 0.661416 & 0.764035 \\ 0.041267 & 0.298813 & 0.671696 & 0.701571\end{array}$ $\begin{array}{lllll}0.038368 & 0.271879 & 0.446489 & 0.506191\end{array}$ 0.0907130 .2569230 .6603050 .704226 $\begin{array}{llllllll}0.039179 & 0.305213 & 0.625065 & 0.597752\end{array}$ $\begin{array}{llllllll}0.030202 & 0.280147 & 0.746868 & 0.630979\end{array}$ $\begin{array}{lllllll}0.04115 & 0.25171 & 0.516556 & 0.566256\end{array}$ $\begin{array}{llll}0.04404 & 0.301776 & 0.598822 & 0.596956\end{array}$ $\begin{array}{llll}0.054676 & 0.183754 & 0.742675 & 0.469875\end{array}$ $\begin{array}{rrrr}0.062838 & 0.304259 & 0.728099 & 0.652668 \\ 0.091059 & 0.317841 & 0.633 & 0.759683\end{array}$ $0.0535390 .338518 \quad 0.710589 \quad 0.68128$ $\begin{array}{lllll}0.063652 & 0.214742 & 0.744885 & 0.676176\end{array}$ 0.0479970 .2058470 .5853780 .534424 $\begin{array}{llllllll}0.075172 & 0.342219 & 0.614194 & 0.797316\end{array}$ $\begin{array}{lllll}0.05574 & 0.24852 & 0.593205 & 0.554679\end{array}$ $\begin{array}{lllll}0.03444 & 0.297361 & 0.808939 & 0.747512\end{array}$ $\begin{array}{llll}0.072958 & 0.243379 & 0.437268 & 0.411238 \\ 0.063089 & 0.292698 & 0.527147 & 0.365824\end{array}$ $\begin{array}{lllll}0.044431 & 0.241997 & 0.470228 & 0.383968\end{array}$ $\begin{array}{llllll}0.044248 & 0.252502 & 0.478351 & 0.515959\end{array}$ $\begin{array}{lllll}0.052418 & 0.311691 & 0.487453 & 0.468492\end{array}$ $\begin{array}{llllll}0.053004 & 0.294721 & 0.507214 & 0.464104\end{array}$ $\begin{array}{lllllllll}0.04542 & 0.381908 & 0.569264 & 0.401692\end{array}$ $\begin{array}{llll}0.047889 & 0.2619 & 0.395656 & 0.402793\end{array}$ $\begin{array}{lllll}0.032389 & 0.140739 & 0.377277 & 0.315399\end{array}$ $\begin{array}{lllll}0.027599 & 0.211179 & 0.380193 & 0.337554\end{array}$ $\begin{array}{lllll}0.05389 & 0.23173 & 0.489868 & 0.423171\end{array}$ $\begin{array}{lllll}0.035395 & 0.284612 & 0.529018 & 0.337781\end{array}$ $\begin{array}{lllllll}0.057315 & 0.236459 & 0.440994 & 0.411801\end{array}$ $\begin{array}{llllll}0.02678 & 0.275264 & 0.4325 & 0.409186\end{array}$ $\begin{array}{llllll}0.038734 & 0.245814 & 0.397612 & 0.399987\end{array}$ $\begin{array}{llll}0.046876 & 0.269148 & 0.44984 & 0.379988 \\ 0\end{array}$ $\begin{array}{llll}0.045548 & 0.16684 & 0.346027 & 0.398413\end{array}$ $\begin{array}{llllll}0.040967 & 0.239262 & 0.351237 & 0.425069\end{array}$ $\begin{array}{lllll}0.037768 & 0.207041 & 0.43951 & 0.265456\end{array}$ 0.0327980 .2231490 .2234040 .26864 $\begin{array}{llllll}0.034179 & 0.195723 & 0.434751 & 0.32026\end{array}$ $\begin{array}{lllll}0.032551 & 0.330623 & 0.50207 & 0.388566\end{array}$ $\begin{array}{llllllll}0.040341 & 0.221148 & 0.452714 & 0.430264\end{array}$ $\begin{array}{llll}0.037549 & 0.253045 & 0.402368 & 0.425946 \\ 0.048674 & 0.301212 & 0.48684 & 0.397498\end{array}$ $\begin{array}{lllll}0.03533 & 0.1903 & 0.343706 & 0.4613488\end{array}$ $\begin{array}{llll}0.030153 & 0.226496 & 0.374542 & 0.415161\end{array}$ $\begin{array}{llllllll}0.042013 & 0.306414 & 0.687507 & 0.405286\end{array}$ $\begin{array}{llllllll}0.051944 & 0.280186 & 0.636568 & 0.351326\end{array}$

$\begin{array}{lllllllllll}1000 & 954.7402 & 0.011517 & 0.076657 & 0.073026 & 0.053915 & 3.454273 & 3.722854 & 0.004414\end{array}$ | 100 | 1272.714 | 0.00827 | 0.078577 | 0.079631 | 0.06909 | 3.380522 | 3.60338 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.005034 |  |  |  |  |  |  |
| 1000 | 1090.563 | 0.012696 | 0.11002 | 0.155683 | 0.080239 | 3.342793 | 3.353529 | $\begin{array}{llllllll}1000 & 1090.563 & 0.012696 & 0.11002 & 0.135683 & 0.080239 & 3.342793 & 3.355329\end{array} 0.00738$ $\begin{array}{lllllllll}1000 & 1108.202 & 0.005335 & 0.109308 & 0.063518 & 0.067985 & 3.879584 & 3.752298 & 0.008857\end{array}$ $\begin{array}{lllllllll}1000 & 806.8444 & 0.004324 & 0.102574 & 0.059605 & 0.073346 & 3.653791 & 3.516556 & 0.0004051\end{array}$ $\begin{array}{lllllllll}1000 & 914.2567 & 0.004153 & 0.114086 & 0.049489 & 0.080209 & 3.794394 & 3.571954 & 0.004479 \\ 1000 & 893.4262 & 0.006385 & 0.042731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022\end{array}$ $\begin{array}{lllllllll}1000 & 893.4262 & 0.006385 & 0.082731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022 \\ 1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043\end{array}$ $\begin{array}{lllllllll}1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043 \\ 1000 & 1169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434\end{array}$ $\begin{array}{lllllllll}1000 & 169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434 \\ 1000 & 1053.112 & 0.013905 & 0.094439 & 0.126871 & 0.084418 & 3.853167 & 3.719851 & 0.007851\end{array}$ $\begin{array}{llllllllll}1000 & 924.9597 & 0.013821 & 0.095901 & 0.092919 & 0.083954 & 3.303534 & 3.69245 & 0.008313\end{array}$ $\begin{array}{llllllllll}1000 & 929.897 & 0.011303 & 0.100757 & 0.124632 & 0.102378 & 3.70694 & 4.155721 & 0.006357\end{array}$ $\begin{array}{lllllllllllll}1000 & 816.8621 & 0.012361 & 0.068867 & 0.110598 & 0.067444 & 3.685269 & 3.213626 & 0.006508\end{array}$ $\begin{array}{lllllllll}1000 & 949.325 & 0.009912 & 0.106425 & 0.100117 & 0.096079 & 3.538048 & 3.874579 & 0.00542\end{array}$ $\begin{array}{llllllllll}1000 & 926.7873 & 0.007784 & 0.096236 & 0.118035 & 0.086178 & 3.763401 & 3.563227 & 0.005645\end{array}$ $\begin{array}{lllllllll}1000 & 912.4806 & 0.006225 & 0.086799 & 0.07192 & 0.071014 & 4.445459 & 3.966092 & 0.003644 \\ 1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679 \\ 1000 & 739.955 & 0.008665 & 0.072257 & 0.059415 & 0.04739 & 3.539247 & 3.431989 & 0.003882\end{array}$ $\begin{array}{llllllllll}1000 & 923.6396 & 0.015139 & 0.088651 & 0.107531 & 0.101202 & 4.080767 & 4.18379 & 0.007229\end{array}$ $\begin{array}{lllllllll}1000 & 998.7942 & 0.014375 & 0.092799 & 0.069904 & 0.077983 & 4.859558 & 4.062325 & 0.00789\end{array}$ $\begin{array}{llllllllll}1000 & 964.0702 & 0.018234 & 0.095121 & 0.065995 & 0.08995 & 3.717948 & 3.640993 & 0.00806\end{array}$ $\begin{array}{llllllllll}1000 & 742.7638 & 0.015159 & 0.067252 & 0.065988 & 0.057898 & 3.160749 & 3.546165 & 0.005081\end{array}$ $\begin{array}{llllllllll}1000 & 905.9696 & 0.029472 & 0.080984 & 0.089015 & 0.088469 & 3.896241 & 3.704055 & 0.006701 \\ 1000 & 677.0832 & 0.018717 & 0.04472 & 0.0633 & 0.067052 & 2.083352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{lllllllll}1000 & 677.0832 & 0.017817 & 0.06472 & 0.0683 & 0.067052 & 2.983352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{rrrrrrrr}1000 & 835.3986 & 0.0193 & 0.107959 & 0.061102 & 0.089965 & 3.770492 & 3.983881 \\ 1000 & 1055.227 & 0.031029 & 0.130869 & 0.149497 & 0.164357 & 4.198231 & 4.428987 \\ & 0.010879\end{array}$ $\begin{array}{lllllllll}1000 & 1135.769 & 0.024039 & 0.235507 & 0.261928 & 0.220107 & 5.123973 & 5.447309 & 0.011872\end{array}$ $\begin{array}{lllllllllll}1000 & 901.5444 & 0.024493 & 0.217719 & 0.170897 & 0.216832 & 3.868588 & 3.896199 & 0.008384\end{array}$ $\begin{array}{lllllllll}1000 & 816.8693 & 0.020738 & 0.159573 & 0.105127 & 0.128959 & 3.802623 & 3.555526 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1104.072 & 0.031599 & 0.212523 & 0.119492 & 0.157064 & 4.515302 & 4.766327 & 0.011752 \\ 1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.731092 & 0.05317\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.730092 & 0.005317 \\ 1000 & 1437.525 & 0.029841 & 0.115872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044\end{array}$ $\begin{array}{lllllllll}1000 & 1437.525 & 0.029841 & 0.135872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044 \\ 1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337\end{array}$ $\begin{array}{lllllllll}1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337 \\ 1000 & 886.2676 & 0.025805 & 0.107506 & 0.089154 & 0.095463 & 3.506874 & 3.711658 & 0.003538\end{array}$ $\begin{array}{lllllllllll}1000 & 842.032 & 0.01552 & 0.084389 & 0.063155 & 0.04805 & 2.955204 & 3.227979 & 0.008163\end{array}$

 $\begin{array}{llllllllll}1000 & 1032.266 & 0.015278 & 0.093465 & 0.063198 & 0.092677 & 4.303188 & 4.427348 & 0.006097\end{array}$ $\begin{array}{llllllllll}1000 & 1163.191 & 0.012721 & 0.082095 & 0.074277 & 0.086568 & 3.662919 & 4.265463 & 0.005579\end{array}$ $\begin{array}{lllllllll}1000 & 952.1707 & 0.013492 & 0.094063 & 0.058444 & 0.058092 & 3.449602 & 4.095555 & 0.005638\end{array}$ $\begin{array}{lllllllll}1000 & 920.5129 & 0.01448 & 0.076023 & 0.110567 & 0.070273 & 4.091825 & 3.791303 & 0.005693 \\ 1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.01231 & 0.057516\end{array}$ $\begin{array}{lllllllll}1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.912316 & 0.007516 \\ 1000 & 807.0471 & 0.006223 & 0.074684 & 0.046534 & 0.038346 & 3.623401 & 3.187006 & 0.004204\end{array}$ $\begin{array}{lllllllll}1000 & 786.2466 & 0.012113 & 0.075306 & 0.057192 & 0.0595963 & 3.457622 & 3.091417 & 0.0002475\end{array}$ $\begin{array}{llllllllll}1000 & 821.9089 & 0.009124 & 0.089605 & 0.072783 & 0.07465 & 3.35769 & 3.287442 & 0.005517\end{array}$ $\begin{array}{llllllllll}1000 & 894.1228 & 0.009497 & 0.069158 & 0.062235 & 0.06349 & 3.289014 & 3.156752 & 0.004948\end{array}$ $\begin{array}{lllllllll}1000 & 1255.886 & 0.004502 & 0.086547 & 0.049195 & 0.084082 & 4.200069 & 4.239499 & 0.007604\end{array}$ $\begin{array}{llllllllll}1000 & 979.8236 & 0.007467 & 0.074937 & 0.055611 & 0.062682 & 3.302284 & 3.395145 & 0.003378\end{array}$ $\begin{array}{llllllllll}1000 & 801.0604 & 0.006625 & 0.057144 & 0.060472 & 0.086758 & 3.259972 & 3.024607 & 0.004495\end{array}$ $\begin{array}{lllllllll}1000 & 1124.954 & 0.006173 & 0.09285 & 0.105135 & 0.059538 & 3.774991 & 3.56253 & 0.001245 \\ 1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183\end{array}$ $\begin{array}{lllllllll}1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183 \\ 1000 & 854.2436 & 0.009424 & 0.089798 & 0.089011 & 0.055893 & 2.709052 & 2.916583 & 0.003743\end{array}$ $\begin{array}{llllllllll}1000 & 989.3375 & 0.0037 & 0.103038 & 0.156974 & 0.088905 & 3.726456 & 3.665479 & 0.004032\end{array}$ $\begin{array}{llllllll}1000 & 821.8877 & 0.008867 & 0.061957 & 0.090673 & 0.0882364 & 3.141303 & 3.178633 \\ 10.004269\end{array}$ $\begin{array}{llllllll}1000 & 866.6323 & 0.006408 & 0.066915 & 0.06133 & 0.032564 & 2.802162 & 2.939539\end{array} 0.0004649$ $\begin{array}{llllllllll}1000 & 1055.696 & 0.005932 & 0.126907 & 0.117148 & 0.107324 & 3.778802 & 3.430813 & 0.007249\end{array}$ $\begin{array}{llllllllll}1000 & 969.0599 & 0.006237 & 0.155476 & 0.165314 & 0.170515 & 3.348268 & 3.577276 & 0.007243\end{array}$ $\begin{array}{lllllllll}1000 & 905.1569 & 0.004503 & 0.224265 & 0.174133 & 0.181586 & 3.8038818 & 3.540683 & 0.004902\end{array}$ | 1000 | 951.0365 | 0.004052 | 0.154738 | 0.121003 | 0.181383 | 3.551357 | 3.640752 | 0.004787 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1060767 |  |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1067.671 & 0.010989 & 0.207167 & 0.158832 & 0.146679 & 3.860261 & 3.480168 & 0.009125 \\ 1000 & 931.7469 & 0.010827 & 0.13804 & 0.138839 & 0.15096 & 3.981674 & 3.594659 & 0.004702\end{array}$ $\begin{array}{llllllllll}1000 & 1294.978 & 0.009199 & 0.172773 & 0.150369 & 0.144599 & 3.823617 & 3.834228 & 0.004968\end{array}$ $\begin{array}{llllllllll}1000 & 924.7106 & 0.010711 & 0.124015 & 0.086709 & 0.098492 & 4.29976 & 4.196463 & 0.005101\end{array}$ $\begin{array}{llllllllll}1000 & 897.9803 & 0.007428 & 0.136189 & 0.127603 & 0.115538 & 4.292719 & 4.271929 & 0.004848\end{array}$



$\begin{array}{llll}0.038442 & 0.25717 & 0.516831 & 0.406998 \\ 0.0527 & 0.257097 & 0.620386 & 0.34931\end{array}$ $\begin{array}{llll}0.02527 & 0.257097 & 0.620386 & 0.434931 \\ 0.061144 & 0.310332 & 0.730268 & 0.680519\end{array}$ $\begin{array}{llllll}0.071205 & 0.314298 & 0.583505 & 0.478512\end{array}$ $\begin{array}{llllll}0.052534 & 0.276871 & 0.445369 & 0.504774\end{array}$ $\begin{array}{lllll}0.015175 & 0.293396 & 0.585299 & 0.549769\end{array}$ $\begin{array}{llll}0.03165 & 0.22969 & 0.519583 & 0.518659\end{array}$ $\begin{array}{llll}0.045952 & 0.23459 & 0.563636 & 0.396522\end{array}$ $\begin{array}{llll}0.057147 & 0.18637 & 0.799558 & 0.473108 \\ 0.068757 & 0.267118 & 0.605823 & 0.467768\end{array}$ $\begin{array}{lllll}0.043187 & 0.244831 & 0.461797 & 0.587721\end{array}$ $\begin{array}{lllll}0.037772 & 0.310535 & 0.620091 & 0.551422\end{array}$ $\begin{array}{llllll}0.065119 & 0.355241 & 0.662569 & 0.473378\end{array}$ $\begin{array}{llllllll}0.059956 & 0.234089 & 0.626285 & 0.509287\end{array}$ $\begin{array}{llllll}0.033424 & 0.234696 & 0.637721 & 0.476822\end{array}$ $\begin{array}{lllll}0.040207 & 0.258841 & 0.429187 & 0.386615\end{array}$ $\begin{array}{llll}0.077969 & 0.23213 & 0.398758 & 0.363042\end{array}$ $\begin{array}{lllll}0.036864 & 0.268675 & 0.377199 & 0.481184\end{array}$ $\begin{array}{llllll}0.041442 & 0.189062 & 0.30631 & 0.449111\end{array}$ $\begin{array}{llllll}0.052248 & 0.287395 & 0.579813 & 0.526782\end{array}$ $\begin{array}{lllllllll}0.063923 & 0.239549 & 0.520816 & 0.483008\end{array}$ $\begin{array}{lllll}0.057084 & 0.280712 & 0.58164 & 0.48744\end{array}$ 0.0634230 .2595940 .4948980 .523258 $\begin{array}{llll}0.058473 & 0.235757 & 0.455991 & 0.501626\end{array}$ $\begin{array}{lllll}0.047727 & 0.191102 & 0.477394 & 0.41884\end{array}$ $0.046566 \quad 0.189850 .390194 \quad 0.518502$ $\begin{array}{llllll}0.048197 & 0.238425 & 0.315025 & 0.320648\end{array}$ $\begin{array}{lllll}0.028413 & 0.22096 & 0.406216 & 0.361386\end{array}$ $\begin{array}{lllllllll}0.047731 & 0.242989 & 0.325732 & 0.331523\end{array}$ $\begin{array}{llllll}0.043665 & 0.297089 & 0.395603 & 0.414018\end{array}$ $\begin{array}{llll}0.026401 & 0.223158 & 0.389837 & 0.288353 \\ 0.047581\end{array}$ $\begin{array}{llll}0.047581 & 0.260213 & 0.46345 & 0.453713 \\ 0.03868 & 0.27180 & 0.41396\end{array}$ $\begin{array}{lllll}0.033133 & 0.328421 & 0.478138 & 0.42187\end{array}$ $\begin{array}{lllll}0.029398 & 0.206787 & 0.313435 & 0.291317\end{array}$ $\begin{array}{lllll}0.036079 & 0.242836 & 0.500053 & 0.489265\end{array}$ $\begin{array}{lllll}0.042607 & 0.33338 & 0.528459 & 0.539427\end{array}$ $\begin{array}{llllllll}0.051765 & 0.206022 & 0.495715 & 0.468539\end{array}$ $\begin{array}{lllll}0.058844 & 0.29485 & 0.560731 & 0.49751\end{array}$ $\begin{array}{llll}0.0517 & 0.298168 & 0.512608 & 0.563671\end{array}$ $0.04832 \quad 0.257184 \quad 0.5396970 .531525$ $\begin{array}{llllll}0.048428 & 0.246065 & 0.475737 & 0.582102\end{array}$ $\begin{array}{lllll}0.064369 & 0.282002 & 0.798178 & 0.558916\end{array}$ $\begin{array}{lllll}0.0432 & 0.278067 & 0.712591 & 0.411828\end{array}$ $\begin{array}{lllll}0.03775 & 0.238837 & 0.5676 & 0.58576\end{array}$ $\begin{array}{llll}0.060746 & 0.364108 & 0.702367 & 0.656429\end{array}$ $\begin{array}{lllll}0.057087 & 0.284162 & 0.48523 & 0.5973\end{array}$ $\begin{array}{lllll}0.047673 & 0.253842 & 0.6202924 & 0.516247\end{array}$ $\begin{array}{lllll}0.045499 & 0.232241 & 0.672168 & 0.576548\end{array}$ $\begin{array}{llllll}0.045464 & 0.315771 & 0.722766 & 0.493657\end{array}$ 0.0575830 .2455960 .6069050 .714614 0.0612110 .2619110 .7010140 .566689 $\begin{array}{lllll}0.078006 & 0.28854 & 1.068701 & 0.803587\end{array}$ 0.0631130 .2561910 .711990 .558512 | 0.066681 | 0.243699 | 0.841431 | 0.630426 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088124 & 0.336349 & 0.711457 & 0.631812\end{array}$ $\begin{array}{lllllllllll}0.086743 & 0.288037 & 0.638205 & 0.677122\end{array}$ $\begin{array}{llllll}0.064036 & 0.264724 & 0.707442 & 0.5739\end{array}$ $0.0598670 .204498 \quad 0.8126870 .759961$


$\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509\end{array}$ $\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509 \\ 1000 & 762.0388 & 0.00795 & 0.128038 & 0.074348 & 0.079606 & 3.476258 & 3.034351 & 0.005465 \\ 100 & 1052.09 & 0.00533 & 0.09129 & 0.112255 & 0.08046 & 3.664733 & 354152 & 0.006605\end{array}$ $\begin{array}{lllllllll}1000 & 1052.099 & 0.00533 & 0.091295 & 0.112255 & 0.080486 & 3.664733 & 3.54152 & 0.006605 \\ 1000 & 1051.951 & 0.008579 & 0.165697 & 0.16662 & 0.118474 & 3.802618 & 4.566825 & 0.011598\end{array}$ | 1000 | 989.5235 | 0.008902 | 0.200976 | 0.145518 | 0.118474 | 3.802618 | 4.566825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 972.0827 & 0.004235 & 0.206003 & 0.250322 & 0.183376 & 3.723078 & 4.528188 & 0.013964 \\ 1000 & 8918153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 & 0.009422\end{array}$ $\begin{array}{llllllll}1000 & 981.8153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 \\ 1000 & 726.1338 & 0.0009422 \\ 1 & 0.003448 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826\end{array}$ $\begin{array}{lllllllll}1000 & 726.1338 & 0.009348 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826 \\ 1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1226.964 & 0.009147 & 0.177234 & 0.090228 & 0.118526 & 4.50919 & 4.470555 & 0.016023 \\ 1000 & 1085.245 & 0.010195 & 0.115909 & 0.098565 & 0.112037 & 4.157035 & 4.397444 & 0.010475\end{array}$ $\begin{array}{lllllllll}1000 & 939.0951 & 0.008627 & 0.088813 & 0.092862 & 0.062909 & 3.879353 & 4.08061 & 0.010917\end{array}$ $\begin{array}{llllllllll}1000 & 956.2717 & 0.014147 & 0.092143 & 0.103312 & 0.104097 & 4.150971 & 3.924027 & 0.01226\end{array}$ $\begin{array}{lllllllll}1000 & 1268.439 & 0.023652 & 0.093111 & 0.062893 & 0.086107 & 4.704849 & 3.951365 & 0.008615\end{array}$ $\begin{array}{llllllllll}1000 & 921.0053 & 0.020339 & 0.112914 & 0.098795 & 0.067773 & 3.749381 & 4.035968 & 0.01057\end{array}$ $\begin{array}{lllllllll}1000 & 939.862 & 0.015328 & 0.106537 & 0.094315 & 0.056636 & 4.096933 & 3.679957 & 0.007764 \\ 1000 & 969.6646 & 0.015642 & 0.094104 & 0.065526 & 0.102136 & 3.633843 & 3.429528 & 0.008389\end{array}$ $\begin{array}{lllllllll}1000 & 969.6646 & 0.015642 & 0.094104 & 0.066526 & 0.102136 & 3.633843 & 3.429528 & 0.008389 \\ 1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174\end{array}$ $\begin{array}{lllllllll}1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174 \\ 1000 & 1007.789 & 0.00971 & 0.081533 & 0.059426 & 0.085335 & 3.948402 & 3.629657 & 0.004987\end{array}$ $\begin{array}{lllllllll}1000 & 779.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565\end{array}$ $\begin{array}{lllllllll}1000 & 79.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565 \\ 1000 & 1066.358 & 0.00749 & 0.190354 & 0.189874 & 0.199806 & 3.625899 & 3.923751 & 0.002367\end{array}$ $\begin{array}{llllllll}1000 & 932.7008 & 0.008039 & 0.186358 & 0.22455 & 0.162356 & 3.84742 & 4.001767 \\ 10.0063837\end{array}$ $\begin{array}{lllllllll}1000 & 980.2405 & 0.011095 & 0.247101 & 0.14842 & 0.202215 & 3.554103 & 3.964025 & 0.005584\end{array}$ $\begin{array}{lllllllll}1000 & 1015.092 & 0.0059 & 0.19079 & 0.1428 & 0.200354 & 3.66321 & 3.684331 & 0.0054656 \\ 1000 & 1232576 & 0.00892 & 0.169017 & 0.122214 & 0.170122 & 377353 & 3.45667 & 0.007528\end{array}$ $\begin{array}{lllllllll}1000 & 1232.576 & 0.008992 & 0.169017 \\ 1000 & 937.2437 & 0.007459 & 0.117415 & 0.0921056 & 0.170122 & 3.773353 & 3.845667 & 0.007528 \\ 1 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 937.2437 & 0.007459 & 0.117415 & 0.091056 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 1022.361 & 0.011118 & 0.142214 & 0.072042 & 0.092509 & 3.62891 & 3.852747 & 0.005411 \\ 1000 & 899.6914 & 0.009343 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 & 0.007031\end{array}$ $\begin{array}{llllllll}1000 & 899.6914 & 0.009383 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 \\ 1000 & 842.7406 & 0.008896 & 0.088817 & 0.059609 & 0.104841 & 2.940103 & 3.123158 \\ 0.003311\end{array}$ $\begin{array}{lllllllll}1000 & 1104.459 & 0.014924 & 0.090176 & 0.042275 & 0.070423 & 4.073826 & 3.79903 & 0.003844\end{array}$ $\begin{array}{lllllllll}1000 & 978.4407 & 0.00805 & 0.082218 & 0.0070286 & 0.065493 & 3.223089 & 3.60059 & 0.0033515\end{array}$ $\begin{array}{lllllllll}1000 & 1162.722 & 0.009449 & 0.099094 & 0.085935 & 0.102102 & 4.027651 & 4.378036 & 0.003163\end{array}$ $\begin{array}{lllllllll}1000 & 756.8576 & 0.0078821 & 0.05696 & 0.0688695 & 0.068883 & 3.040587 & 2.94512 & 0.002299\end{array}$ $\begin{array}{lllllllll}1000 & 971.519 & 0.007318 & 0.069 & 0.094197 & 0.043817 & 3.513508 & 4.053341 & 0.003582\end{array}$ $\begin{array}{lllllllll}1000 & 959.3546 & 0.009271 & 0.087096 & 0.102484 & 0.07995 & 3.634127 & 3.926655 & 0.003381 \\ 1000 & 1019.094 & 0.006991 & 0.084875 & 0.095649 & 0.069527 & 4.09079 & 4.045614 & 0.004528\end{array}$ $\begin{array}{lllllllll}1000 & 763.6563 & 0.0005523 & 0.060883 & 0.0377828 & 0.0677001 & 2.750182 & 2.646371 & 0.001986\end{array}$ $\begin{array}{lllllllll}1000 & 892.8149 & 0.003764 & 0.08229 & 0.074591 & 0.075081 & 3.599805 & 4.337732 & 0.002417\end{array}$ $\begin{array}{llllllllll}1000 & 1077.353 & 0.006662 & 0.123206 & 0.075494 & 0.078135 & 4.048893 & 4.267745 & 0.004194\end{array}$ $\begin{array}{lllllllll}1000 & 1125.596 & 0.003603 & 0.094028 & 0.108934 & 0.092433 & 5.967074 & 4.696057 & 0.006665\end{array}$ $\begin{array}{lllllllll}1000 & 939.0287 & 0.004171 & 0.073003 & 0.041026 & 0.044625 & 3.420683 & 3.260777 & 0.0004614\end{array}$ $\begin{array}{lllllllll}1000 & 1139.014 & 0.001388 & 0.106343 & 0.102611 & 0.09935 & 4.500358 & 4.412559 & 0.010617 \\ 1000 & 1417.454 & 0.006477 & 0.113838 & 0.124553 & 0.094324 & 4.017941 & 4.145774 & 0.007085\end{array}$ $\begin{array}{llllllllll}1000 & 1417.454 .807 & 0.002359 & 0.085815 & 0.067423 & 0.076991 & 3.222431 & 3.381846 & 0.008018\end{array}$ $\begin{array}{llllllllll}1000 & 751.5371 & 0.005428 & 0.081747 & 0.080985 & 0.074071 & 2.786299 & 3.351637 & 0.011626\end{array}$ $\begin{array}{lllllllll}1000 & 975.036 & 0.010226 & 0.111202 & 0.165294 & 0.082725 & 4.409912 & 4.142978 & 0.009188\end{array}$ $\begin{array}{llllllllll}1000 & 786.2157 & 0.00564 & 0.102191 & 0.161635 & 0.092193 & 3.372319 & 3.721701 & 0.007232\end{array}$ $\begin{array}{llllllllll}1000 & 861.0951 & 0.005876 & 0.107937 & 0.105989 & 0.079509 & 3.549053 & 3.95556 & 0.007697\end{array}$ $\begin{array}{rrrrrrrr}1000 & 954.2135 & 0.009775 & 0.12469 & 0.106612 & 0.10979 & 4.590091 & 4.425664\end{array} 0.0011692$ $\begin{array}{lllllllll}1000 & 1041.884 & 0.008112 & 0.132957 & 0.109909 & 0.074753 & 4.222446 & 5.159665 & 0.009473 \\ 1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758\end{array}$ $\begin{array}{lllllllll}1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758 \\ 1000 & 904.946 & 0.010895 & 0.073672 & 0.119999 & 0.079519 & 4.270964 & 4.144797 & 0.010374\end{array}$ $\begin{array}{llllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.010464\end{array}$ $\begin{array}{lllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.01046 \\ 1000 & 911.0554 & 0.01067 & 0.088499 & 0.09556 & 0.096052 & 4.670143 & 4.43382 & 0.009184\end{array}$ $\begin{array}{lllllllll}1000 & 889.0681 & 0.011204 & 0.102134 & 0.107378 & 0.11104 & 3.894069 & 5.12506 & 0.012518\end{array}$

 | 1000 | 1211.922 | 0.011633 | 0.193457 | 0.14533 | 0.188593 | 5.694847 | 5.9206474 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.015963 $\begin{array}{lllllllll}1000 & 981.8394 & 0.014366 & 0.144531 & 0.103728 & 0.130518 & 4.183408 & 4.338904 & 0.010961 \\ 1000 & 845.2668 & 0.011602 & 0.139455 & 0.18139 & 0.148425 & 5.08163 & 4.01214 & 0.016106\end{array}$ $\begin{array}{lllllllll}1000 & 845.2668 & 0.011602 & 0.139455 & 0.181369 & 0.148425 & 5.08163 & 4.01214 & 0.016106 \\ 1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.512167 & 0.01294\end{array}$ $\begin{array}{lllllllll}1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.510167 & 0.011294 \\ 1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534\end{array}$ $\begin{array}{lllllllll}1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534 \\ 1000 & 1130.177 & 0.011671 & 0.137384 & 0.143126 & 0.104623 & 4.115838 & 4.484978 & 0.017592\end{array}$ $\begin{array}{llllllllll}1000 & 1100.734 & 0.008856 & 0.126336 & 0.105349 & 0.148234 & 4.620265 & 4.866172 & 0.01935\end{array}$ $\begin{array}{lllllllll}1000 & 988.9117 & 0.011863 & 0.12533 & 0.119406 & 0.113521 & 4.459507 & 4.108756 & 0.012289\end{array}$



$\begin{array}{llll}0.088276 & 0.301746 & 0.684175 & 0.726887\end{array}$ $\begin{array}{llll}0.061252 & 0.2266 & 0.613263 & 0.527212 \\ 0.082422 & 0.252141 & 0.638955 & 0.65554\end{array}$ $\begin{array}{llllll}0.066214 & 0.188481 & 0.407644 & 0.532784\end{array}$ $\begin{array}{llllll}0.062069 & 0.271612 & 0.642627 & 0.690178\end{array}$ $\begin{array}{llllll}0.060618 & 0.23348 & 0.643379 & 0.482898\end{array}$ $\begin{array}{llllll}0.074204 & 0.316499 & 0.805413 & 0.761162\end{array}$ $\begin{array}{llllll}0.061303 & 0.241004 & 0.728796 & 0.659874\end{array}$ | 0.062817 | 0.262773 | 0.607984 | 0.54725 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.074315 & 0.229177 & 0.532464 & 0.589107\end{array}$ $\begin{array}{lllll}0.090322 & 0.269939 & 0.928538 & 0.579235\end{array}$ $\begin{array}{lllll}0.045584 & 0.396844 & 0.630934 & 0.45254\end{array}$ $\begin{array}{lllllll}0.066522 & 0.361326 & 0.576329 & 0.414493\end{array}$ $\begin{array}{llllll}0.061807 & 0.250508 & 0.605018 & 0.444609\end{array}$ $\begin{array}{lllll}0.019469 & 0.188175 & 0.364697 & 0.439939\end{array}$ $\begin{array}{llll}0.056201 & 0.341304 & 0.519805 & 0.539248\end{array}$ 083953 0.0636730 .2833760 .6229480 .442476 $\begin{array}{llllllll}0.085354 & 0.330917 & 0.561869 & 0.426571\end{array}$ 0.0633350 .3124160 .6146060 .645965 $0.056895 \quad 0.218410 .7316680 .544225$ $\begin{array}{lllll}0.057601 & 0.251343 & 0.773882 & 0.760661\end{array}$ $\begin{array}{lllll}0.072158 & 0.200817 & 0.72924 & 0.586831\end{array}$ | 0.0258304 | 0.29844 | 0.711803 | 0.551968 |
| :--- | :--- | :--- | :--- | :--- |
| 042546 | 0.350998 | 0.680474 | 0.677959 | 0.0513050 .3386450 .6995920 .623646 $\begin{array}{lllll}0.050569 & 0.263866 & 0.789198 & 0.578686\end{array}$ $\begin{array}{lllllll}0.052159 & 0.292072 & 0.863879 & 0.544516\end{array}$ $\begin{array}{llllll}0.052515 & 0.271795 & 0.563818 & 0.585331\end{array}$ $\begin{array}{lllll}0.065539 & 0.242077 & 0.592998 & 0.538706\end{array}$ $\begin{array}{llllll}0.093555 & 0.342871 & 0.752932 & 0.633264\end{array}$ $\begin{array}{lllll}0.045633 & 0.181018 & 0.497428 & 0.29859 \\ 0.060617 & 0.226135 & 0.711152 & 0.500131\end{array}$ $0.0819380 .294266 \quad 0.606523 \quad 0.531855$ $\begin{array}{llll}0.066549 & 0.214035 & 0.67254 & 0.37811\end{array}$ $\begin{array}{llllll}0.087322 & 0.262825 & 0.496692 & 0.575454\end{array}$ $\begin{array}{llllll}0.094805 & 0.2694 & 0.572967 & 0.625262\end{array}$ $\begin{array}{lllll}0.077395 & 0.24767 & 0.520745 & 0.555115\end{array}$ $\begin{array}{lllll}0.104466 & 0.192254 & 0.668985 & 0.561807\end{array}$ $\begin{array}{llll}0.104908 & 0.276741 & 0.781278 & 0.658763\end{array}$ $\begin{array}{lllll}0.062864 & 0.228395 & 0.612342 & 0.518708\end{array}$ 01126350.2874230 .7258550 .783772 0.0892710 .2112760 .591070 .693697 0.0597660 .2260260 .9191020 .502028 $\begin{array}{llllllll}0.094103 & 0.292796 & 0.794171 & 0.631834\end{array}$ $\begin{array}{llll}0.047497 & 0.246617 & 0.477928 & 0.589447\end{array}$ $\begin{array}{llll}0.084941 & 0.226485 & 0.575785 & 0.596837 \\ 0.067965 & 0.22133 & 0.546085 & 0.547582\end{array}$ $\begin{array}{lllll}0.1007 & 0.246375 & 0.645385 & 0.7444845\end{array}$ $0.06558 \quad 0.180890 .5108620 .403974$ $\begin{array}{lllll}0.110081 & 0.245778 & 0.82607 & 0.697008\end{array}$ $\begin{array}{lllll}0.064119 & 0.216909 & 0.65652 & 0.48817\end{array}$ $\begin{array}{llllllll}0.050474 & 0.225042 & 0.558581 & 0.791978\end{array}$ $\begin{array}{llll}0.104281 & 0.391839 & 0.75692 & 0.508091\end{array}$ $\begin{array}{llll}0.090344 & 0.197166 & 0.607726 & 0.513741\end{array}$ $\begin{array}{llll}100516 & 0.242699 & 0.484892 & 0.430921\end{array}$ $\begin{array}{lllll}0.06642 & 0.264238 & 0.666401 & 0.504242\end{array}$ $\begin{array}{llllll}0.080936 & 0.270039 & 0.760565 & 0.639192\end{array}$ $\begin{array}{lllll}0.127452 & 0.256219 & 1.224445 & 0.748797\end{array}$ $\begin{array}{lllllll}0.092625 & 0.251734 & 0.722863 & 0.877018\end{array}$


$\begin{array}{lllllllll}1000 & 1028.654 & 0.01416 & 0.146036 & 0.127012 & 0.12246 & 4.537907 & 4.526973 & 0.013951\end{array}$ | 1000 | 1028.654 | 0.01416 | 0.146036 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 741.1929 | 0.010975 | 0.105124 | 0.09514 | 0.107808 | 4.4249924 | 4.0712412 |
| 1000 | 952.0595 | 0.0143951 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 952.0595 & 0.014329 & 0.12192 & 0.137419 & 0.108744 & 4.581381 & 4.244194 & 0.012851 \\ 1000 & 729.668 & 0.012671 & 0.111895 & 0.071418 & 0.088819 & 3.029747 & 3.228529 & 0.007106\end{array}$ $\begin{array}{llllllllll}1000 & 854.5858 & 0.016368 & 0.139891 & 0.129363 & 0.115504 & 4.236453 & 4.770272 & 0.018807\end{array}$ $\begin{array}{llllllllll}1000 & 842.921 & 0.010945 & 0.129997 & 0.102735 & 0.109373 & 3.79367 & 3.548281 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 794.2845 & 0.016659 & 0.141958 & 0.104014 & 0.113704 & 4.640105 & 3.849413 & 0.0137706\end{array}$ $\begin{array}{lllllllll}1000 & 1167.565 & 0.017254 & 0.160906 & 0.105409 & 0.114498 & 4.568694 & 3.776259 & 0.018366 \\ 1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 389191 & 0.016555\end{array}$ $\begin{array}{lllllllll}1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 3.89191 & 0.016555 \\ 1000 & 965.6001 & 0.015165 & 0.136527 & 0.116746 & 0.143778 & 4.170457 & 3.644165 & 0.012015\end{array}$ $\begin{array}{llllllllll} \\ 1000 & 1083.225 & 0.011244 & 0.206303 & 0.183779 & 0.14417 & 3.601772 & 3.602176 & 0.014059\end{array}$ $\begin{array}{lllllllllll}1000 & 1064.777 & 0.013144 & 0.163366 & 0.147514 & 0.157111 & 4.303764 & 4.500307 & 0.011653\end{array}$ $\begin{array}{lllllllllllll}1000 & 1062.437 & 0.019864 & 0.129004 & 0.120001 & 0.188427 & 4.549566 & 4.011885 & 0.017755\end{array}$ $\begin{array}{lllllllll}1000 & 923.2339 & 0.011635 & 0.143064 & 0.126858 & 0.139267 & 3.941547 & 4.85899 & 0.008863\end{array}$ $\begin{array}{lllllllll}1000 & 1213.813 & 0.010406 & 0.169858 & 0.152512 & 0.119851 & 3.806865 & 4.150082 & 0.02047\end{array}$ $\begin{array}{lllllllll}1000 & 923.6479 & 0.012256 & 0.095026 & 0.116664 & 0.093599 & 2.715465 & 2.984093 & 0.007217\end{array}$ $\begin{array}{llllllll}1000 & 1085.34 & 0.012975 & 0.136139 & 0.077288 & 0.132261 & 4.865842 & 4.405829 \\ 1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 \\ 0.007217\end{array}$ $\begin{array}{lllllllll}1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 & 0.007217 \\ 1000 & 862.2706 & 0.007757 & 0.111988 & 0.205936 & 0.103626 & 4.083303 & 3.97382 & 0.007812\end{array}$ $\begin{array}{llllllllll}1000 & 1166.525 & 0.012139 & 0.129308 & 0.139162 & 0.140302 & 4.250565 & 4.191167 & 0.009151\end{array}$ $\begin{array}{lllllllll}1000 & 952.1571 & 0.011935 & 0.133134 & 0.083742 & 0.122043 & 4.088579 & 4.19907 & 0.009608\end{array}$ $\begin{array}{lllllllll}1000 & 941.5586 & 0.009338 & 0.143548 & 0.15874 & 0.170051 & 4.659294 & 4.373576 & 0.008744\end{array}$ $\begin{array}{llllllll}1000 & 923.5269 & 0.012528 & 0.162324 & 0.18333 & 0.170523 & 4.541743 & 4.142688 \\ 0.011822\end{array}$ $\begin{array}{lllllllll}1000 & 1026.94 & 0.012264 & 0.180105 & 0.172468 & 0.144151 & 4.342586 & 4.366974 & 0.009263\end{array}$ $\begin{array}{lllllllll}1000 & 898.3809 & 0.008114 & 0.130117 & 0.099964 & 0.126973 & 3.777385 & 3.928593 & 0.008312 \\ 1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712\end{array}$ $\begin{array}{lllllllll}1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712 \\ 1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158 \\ 1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313 \\ 1000 & 1109.7 & 0.009778 & 0.157751 & 0.141267 & 0.137804 & 4.241498 & 4.38585 & 0.01028\end{array}$ $\begin{array}{llllllll}1000 & 1339.654 & 0.011492 & 0.14929 & 0.199302 & 0.149522 & 4.421682 & 4.237524 \\ 0 & 0.010604\end{array}$ $\begin{array}{llllllll}1000 & 997.6421 & 0.010745 & 0.153524 & 0.100455 & 0.155497 & 4.359638 & 4.041261\end{array} 0.013399$ $\begin{array}{lllllllll}1000 & 11177.886 & 0.017531 & 0.128017 & 0.111663 & 0.104768 & 4.660146 & 4.858161 & 0.006231\end{array}$ $\begin{array}{lllllllll}1000 & 1210.461 & 0.015324 & 0.132435 & 0.145524 & 0.136851 & 4.77324 & 4.363775 & 0.014741 \\ 1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016\end{array}$ $\begin{array}{lllllllll}1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016 \\ 1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.101064 & 4.203854 & 3.677148 & 0.008598\end{array}$ $\begin{array}{lllllllll}1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.121064 & 4.203854 & 3.677148 & 0.008598 \\ & 10.01391 & 0.123925 & 0.079661 & 0.125541 & 4.107858 & 3.94834 & 0.013828\end{array}$ $\begin{array}{lllllllll}1000 & 1037.696 & 0.012634 & 0.1386 & 0.107391 & 0.105282 & 3.854211 & 3.969999 & 0.005841\end{array}$ $\begin{array}{llllllllll}1000 & 1129.114 & 0.015067 & 0.152818 & 0.112047 & 0.137587 & 4.371954 & 3.912304 & 0.015591\end{array}$ $\begin{array}{lllllllll}1000 & 1117.029 & 0.012253 & 0.148224 & 0.128415 & 0.137544 & 5.162413 & 4.703488 & 0.015218\end{array}$ $\begin{array}{lllllllll}1000 & 979.7382 & 0.01333 & 0.154674 & 0.111552 & 0.129612 & 3.934826 & 4.590088 & 0.014709\end{array}$ $\begin{array}{lllllllll}1000 & 843.3477 & 0.014759 & 0.139713 & 0.190255 & 0.16747 & 3.8035111 & 4.431059 & 0.015695 \\ 1000 & 1085.636 & 0.019048 & 0.197431 & 0.21304 & 0.169659 & 5.12123 & 5.455344 & 0.020732\end{array}$ $\begin{array}{lllllllll}1000 & 1085.636 & 0.019048 & 0.194431 & 0.21304 & 0.189659 & 5.121123 & 5.458534 & 0.020732 \\ 1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605\end{array}$ $\begin{array}{lllllllll}1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605 \\ 1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519\end{array}$ $\begin{array}{lllllllll}1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519 \\ 1000 & 1190.229 & 0.013511 & 0.21934 & 0.168678 & 0.194457 & 5.622224 & 5.323735 & 0.020317\end{array}$ $\begin{array}{lllllllll}1000 & 834.8856 & 0.01246 & 0.1542 & 0.127333 & 0.11528 & 4.061896 & 4.29263 & 0.010769\end{array}$ $\begin{array}{lllllllll}1000 & 804.4719 & 0.022858 & 0.173054 & 0.099757 & 0.141127 & 4.473441 & 4.824668 & 0.013614\end{array}$ $\begin{array}{lllllllll}1000 & 1024.253 & 0.012255 & 0.137631 & 0.147053 & 0.132348 & 4.726544 & 4.72257 & 0.01114\end{array}$ $\begin{array}{lllllllll}1000 & 772.5668 & 0.013253 & 0.113755 & 0.125139 & 0.111188 & 3.578967 & 3.349036 & 0.010864\end{array}$ $\begin{array}{lllllllll}1000 & 797.7377 & 0.01562 & 0.119882 & 0.088036 & 0.091384 & 3.778864 & 4.390999 & 0.013533 \\ 1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595\end{array}$ $\begin{array}{lllllllll}1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595 \\ 1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392\end{array}$ $\begin{array}{lllllllll}1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392 \\ 1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.016209\end{array}$ $\begin{array}{lllllllll}1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.013209 \\ 1000 & 793.5016 & 0.016685 & 0.103893 & 0.07264 & 0.094659 & 5.38651 & 4.247234 & 0.016791\end{array}$ $\begin{array}{llllllll}1000 & 1185.312 & 0.016539 & 0.132666 & 0.094909 & 0.094659 & 5.38651 & 4.247234\end{array} 0.01677911$ $\begin{array}{llllllllll}1000 & 697.6078 & 0.01846 & 0.094662 & 0.091253 & 0.084946 & 4.182955 & 5.041107 & 0.02312\end{array}$ $\begin{array}{lllllllll}1000 & 11335.368 & 0.017434 & 0.148563 & 0.105108 & 0.123007 & 5.409202 & 6.143914 & 0.0186445\end{array}$ $\begin{array}{lllllllll}1000 & 787.6569 & 0.015712 & 0.104125 & 0.106238 & 0.086148 & 3.792894 & 3.997855 & 0.020601\end{array}$ $\begin{array}{lllllllll}1000 & 855.5005 & 0.015852 & 0.089105 & 0.089334 & 0.112328 & 4.459324 & 4.034535 & 0.016094 \\ 1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383\end{array}$ $\begin{array}{lllllllll}1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383 \\ 1000 & 798.7366 & 0.011834 & 0.106116 & 0.073641 & 0.077116 & 3.848758 & 3.920447 & 0.015228\end{array}$ $\begin{array}{lllllllll}1000 & 1131.456 & 0.020422 & 0.141462 & 0.150011 & 0.146175 & 5.627302 & 4.606008 & 0.0344136\end{array}$ $\begin{array}{lllllllllll}1000 & 1279.131 & 0.028515 & 0.143399 & 0.126882 & 0.153472 & 5.532589 & 6.666819 & 0.025455\end{array}$ $\begin{array}{lllllllll}1000 & 911.3863 & 0.02108 & 0.162773 & 0.112613 & 0.134924 & 4.442642 & 5.100058 & 0.030516\end{array}$



$\begin{array}{lllll}0.090057 & 0.180101 & 0.830395 & 0.754403\end{array}$ $\begin{array}{llrr}0.083849 & 0.278798 & 0.62593 & 0.548057 \\ 0.075134 & 0.286475 & 0.7264 & 0.693681\end{array}$ $\begin{array}{llllll}0.070151 & 0.271443 & 0.592123 & 0.583905\end{array}$ $\begin{array}{llllll}0.061049 & 0.242137 & 0.611778 & 0.468276\end{array}$ $\begin{array}{lllllll}0.093781 & 0.283921 & 0.800553 & 0.890701\end{array}$ $\begin{array}{llllll}0.128203 & 0.262215 & 0.564806 & 0.565075\end{array}$ $\begin{array}{llll}0.077443 & 0.301605 & 0.653682 & 0.788995\end{array}$ $\begin{array}{llll}0.067364 & 0.279434 & 0.764247 & 0.674885 \\ 0.068625 & 0.182857 & 0.49929 & 0.456977\end{array}$ $\begin{array}{lllll}0.063606 & 0.243555 & 0.520023 & 0.647503\end{array}$ $\begin{array}{lllll}0.092354 & 0.305761 & 0.698869 & 0.615705\end{array}$ $\begin{array}{lllll}0.075596 & 0.267653 & 0.686297 & 0.632793\end{array}$ 0.1064810 .2906210 .8572110 .787656 $\begin{array}{llll}0.082494 & 0.291002 & 0.96837 & 0.809503\end{array}$ $\begin{array}{llll}0.074321 & 0.210896 & 0.686823 & 0.69662\end{array}$ $\begin{array}{llll}0.091215 & 0.33628 & 0.730852 & 0.671029\end{array}$ $\begin{array}{lllll}0.066948 & 0.28887 & 0.68104 & 0.60688 \\ 0.081486 & 0.306322 & 0.711047 & 1.079506\end{array}$ $\begin{array}{llllll}0.065462 & 0.248445 & 0.689863 & 0.611956\end{array}$ $\begin{array}{lllllll}0.089089 & 0.268386 & 0.733076 & 0.703218\end{array}$ $\begin{array}{llllll}0.06911 & 0.228116 & 0.698244 & 0.643961\end{array}$ $\begin{array}{llllllll}0.029895 & 0.296329 & 0.837482 & 0.740833\end{array}$ $\begin{array}{lllllll}0.072636 & 0.276498 & 0.763179 & 0.747061\end{array}$ 0.0368090 .2551370 .7331030 .647129 $\begin{array}{llll}0.03837 & 0.21482 & 0.68111 & 0.843815\end{array}$ 0.0342480 .2465050 .6324640 .646172 $\begin{array}{llllll}0.074181 & 0.262642 & 0.892867 & 0.816515\end{array}$ $\begin{array}{llllllll}0.052496 & 0.238135 & 0.795326 & 0.691265\end{array}$ $\begin{array}{llllll}0.077356 & 0.288994 & 0.808497 & 0.81003\end{array}$ $\begin{array}{llllll}0.057233 & 0.232916 & 0.626737 & 0.757556\end{array}$ $\begin{array}{llll}0.079342 & 0.181322 & 0.847465 & 0.699947\end{array}$ $\begin{array}{llll}0.056261 & 0.22874 & 0.714012 & 0.428302 \\ 0.052135 & 0.278671 & 0.633279 & 0.57916\end{array}$ $\begin{array}{lllllll}0.07018 & 0.295099 & 0.575787 & 0.596536\end{array}$ $\begin{array}{lllll}0.029332 & 0.244052 & 0.523411 & 0.563131\end{array}$ 0.0540190 .2818710 .6094650 .551886 $\begin{array}{llllll}0.034087 & 0.19179 & 0.591307 & 0.469939\end{array}$ $\begin{array}{lllll}0.074669 & 0.31026 & 0.562337 & 0.48022\end{array}$ $\begin{array}{llll}0.047757 & 0.372461 & 0.703879 & 0.55887\end{array}$ | 0.055755 | 0.258088 | 0.613692 | 0.557978 |
| :--- | :--- | :--- | :--- | 04577202615320.5766330 .0 .50423 $\begin{array}{llllll}0.048644 & 0.281172 & 0.836609 & 0.58781\end{array}$ 0.0869740 .3269550 .5643510 .558935 $\begin{array}{llllllll}0.041806 & 0.289478 & 0.793145 & 0.633843\end{array}$ $\begin{array}{llllll}0.066083 & 0.239037 & 0.806439 & 0.649824\end{array}$ $\begin{array}{lllll}0.048886 & 0.253014 & 0.638303 & 0.568521\end{array}$ $\begin{array}{lllll}0.048273 & 0.210509 & 0.731103 & 0.880153\end{array}$ $\begin{array}{llll}0.052744 & 0.289267 & 1.018621 & 0.690509 \\ 0.038332 & 0.220743 & 0.794439 & 1.071487\end{array}$ $\begin{array}{llllll}0.045271 & 0.269298 & 0.607697 & 0.63781\end{array}$ $\begin{array}{lllll}0.051492 & 0.244513 & 0.713634 & 0.656599\end{array}$ $\begin{array}{lllll}0.055043 & 0.29409 & 0.548967 & 0.709825\end{array}$ $\begin{array}{llllllll}0.043631 & 0.225766 & 0.553996 & 0.627067\end{array}$ $\begin{array}{lllll}0.054931 & 0.364089 & 1.179798 & 0.899678\end{array}$ $\begin{array}{llll}0.060538 & 0.273018 & 0.89157 & 0.751192\end{array}$ | 0.080024 | 0.305151 | 1.064447 | 0.637774 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.067099 & 0.320474 & 0.730043 & 0.904355\end{array}$ $\begin{array}{lllll}0.077519 & 0.301803 & 0.77401 & 0.785512\end{array}$ $\begin{array}{llllllll}0.047662 & 0.325748 & 1.001534 & 0.732589\end{array}$ $\begin{array}{llllll}0.081793 & 0.344131 & 0.883718 & 1.123488\end{array}$


$\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952\end{array}$ $\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952 \\ 1000 & 852.7033 & 0.022526 & 0.12547 & 0.100848 & 0.163057 & 4.580898 & 5.659965 & 0.020954\end{array}$ $\begin{array}{lllllllll}1000 & 874.9718 & 0.018863 & 0.151649 & 0.134745 & 0.146621 & 4.861314 & 5.084336 & 0.027006 \\ 1000 & 929.3493 & 0.013599 & 0.130454 & 0.118402 & 0.130938 & 4.799933 & 5.642004 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 806.2195 & 0.021178 & 0.118562 & 0.084522 & 0.117048 & 4.325884 & 4.025501 & 0.016481\end{array}$ $\begin{array}{llllllllll}1000 & 1264.182 & 0.01856 & 0.144559 & 0.146817 & 0.154722 & 4.590265 & 5.581338 & 0.020769\end{array}$ $\begin{array}{lllllllll}1000 & 1141.243 & 0.020414 & 0.162398 & 0.10281 & 0.156608 & 5.356503 & 5.208311 & 0.021378 \\ 1000 & 897.9089 & 0.01598 & 0.117317 & 0.18531 & 0.11238 & 4.59936 & 4.88282 & 0.016553\end{array}$ $\begin{array}{lllllllll}1000 & 897.9089 & 0.01598 & 0.117317 & 0.186319 & 0.111228 & 4.599356 & 4.88182 & 0.016553 \\ 1000 & 789.5533 & 0.13431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664\end{array}$ $\begin{array}{lllllllll}1000 & 789.5533 & 0.013431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664 \\ 1000 & 830.4513 & 0.011214 & 0.117648 & 0.1027 & 0.072961 & 3.466176 & 3.860394 & 0.011476\end{array}$ | 1000 | 830.4513 | 0.011214 | 0.117648 | 0.1027 | 0.072961 | 3.466176 | 3.860394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1026.596 | 0.010509 | 0.132961 | 0.138198 | 0.129651 | 4.88703 | 4.694534 | $\begin{array}{lllllllllllllllllll}1000 & 906.5125 & 0.012535 & 0.125429 & 0.119937 & 0.143361 & 4.849786 & 4.842747 & 0.017174\end{array}$ $\begin{array}{lllllllll}1000 & 066.51125 & 0.012535 & 0.125429 & 0.119937 & 0.143341 & 4.849876 & 4.842747 & 0.017174 \\ 1000 & 874.1378 & 0.014713 & 0.166582 & 0.132514 & 0.149416 & 4.44108 & 4.252585 & 0.015486\end{array}$ $\begin{array}{lllllllll}1000 & 918.9848 & 0.01071 & 0.19845 & 0.204507 & 0.171952 & 4.358566 & 4.711296 & 0.018166\end{array}$ $\begin{array}{lllllllll}1000 & 932.5596 & 0.013281 & 0.141466 & 0.183964 & 0.152985 & 4.393513 & 4.527203 & 0.0127775 \\ 1000 & 9055958\end{array}$ $\begin{array}{lllllllllll}1000 & 905.9589 & 0.010355 & 0.164632 & 0.117362 & 0.132887 & 3.831499 & 3.867516 & 0.012228\end{array}$ $\begin{array}{llllllll}1000 & 1003.854 & 0.010741 & 0.15347 & 0.081156 & 0.124061 & 4.390127 & 4.404645\end{array} 0.018499$ $\begin{array}{lllllllll}1000 & 1087.447 & 0.009096 & 0.111276 & 0.070753 & 0.115521 & 3.819932 & 4.125442 & 0.016509 \\ 1000 & 1165.679 & 0.011897 & 0.085796 & 0.054679 & 0.060075 & 3.898947 & 3.799543 & 0.009413\end{array}$ $\begin{array}{llllllllll}1000 & 1234.877 & 0.00553 & 0.107366 & 0.057808 & 0.087369 & 4.042756 & 4.246076 & 0.01063\end{array}$ $\begin{array}{lllllllll}1000 & 1099.013 & 0.012884 & 0.109704 & 0.087559 & 0.098853 & 4.593207 & 4.198 & 0.00959\end{array}$ $\begin{array}{lllllllll}1000 & 986.3523 & 0.003527 & 0.095674 & 0.073038 & 0.096257 & 4.056269 & 4.001018 & 0.012981\end{array}$ $\begin{array}{lllllllll}1000 & 1121.947 & 0.009057 & 0.119062 & 0.071335 & 0.09803 & 4.149483 & 4.217536 & 0.015653\end{array}$ $\begin{array}{lllllllll}1000 & 989.7175 & 0.006253 & 0.084097 & 0.09053 & 0.069706 & 4.326785 & 3.617283 & 0.012811\end{array}$ $\begin{array}{llllllll}1000 & 920.3768 & 0.009283 & 0.111957 & 0.089144 & 0.108179 & 4.038343 & 3.730325\end{array} 0.010578$ $\begin{array}{lllllllll}1000 & 996.9348 & 0.013789 & 0.133275 & 0.154769 & 0.114669 & 3.908295 & 3.608121 & 0.010197 \\ 1000 & 922.5062 & 0.012161 & 0.107979 & 0.064695 & 0.11 & 3.663677 & 4.123842 & 0.0091\end{array}$ $\begin{array}{llllllllll}1000 & 967.3259 & 0.009346 & 0.133964 & 0.088783 & 0.151347 & 3.340391 & 3.67791 & 0.008218\end{array}$ $\begin{array}{lllllllll}1000 & 821.8274 & 0.01201 & 0.112924 & 0.161463 & 0.117992 & 4.418531 & 4.126708 & 0.014034\end{array}$ $\begin{array}{llllllllll}1000 & 938.0528 & 0.012979 & 0.143831 & 0.090488 & 0.101102 & 4.093314 & 4.04827 & 0.008095\end{array}$ $\begin{array}{llllllllll}1000 & 963.8098 & 0.010389 & 0.141231 & 0.135047 & 0.112962 & 4.806208 & 4.55614 & 0.010506\end{array}$ $\begin{array}{lllllllll}1000 & 1010.771 & 0.009601 & 0.113105 & 0.093508 & 0.115327 & 3.634634 & 4.224371 & 0.00671 \\ 1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.788621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.678621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 945.002 & 0.008883 & 0.128579 & 0.062934 & 0.105994 & 4.119318 & 3.811908 & 0.008776 \\ 1000 & 1000.38 & 0.01160 & 0.103859 & 0.092075 & 0.082194 & 4.527413 & 3.886186 & 0.012626\end{array}$ $\begin{array}{lllllllllll}1000 & 941.513 & 0.011288 & 0.091369 & 0.073175 & 0.091502 & 4.268201 & 3.966664 & 0.006225\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 832.7509 & 0.011358 & 0.123557 & 0.117717 & 0.08752 & 3.926826 & 3.870103 & 0.005305\end{array}$ $\begin{array}{llllllllll}000 & 1091.785 & 0.009596 & 0.112907 & 0.131083 & 0.089413 & 3.980519 & 4.504179 & 0.008531\end{array}$ $\begin{array}{lllllllll}1000 & 798.7042 & 0.006648 & 0.072744 & 0.067197 & 0.069213 & 3.572284 & 3.213242 & 0.006301\end{array}$ $\begin{array}{lllllllll}1000 & 856.797 & 0.012389 & 0.073575 & 0.060721 & 0.080388 & 3.55837 & 4.237214 & 0.00613\end{array}$ $\begin{array}{llllllllll}1000 & 933.9843 & 0.008909 & 0.090247 & 0.059186 & 0.091978 & 3.827035 & 4.416919 & 0.007066\end{array}$ $\begin{array}{lllllllll}1000 & 1005.044 & 0.010942 & 0.080755 & 0.11284 & 0.100049 & 4.257321 & 3.888248 & 0.007668 \\ 1000 & 1109.264 & 0.013906 & 0.084676 & 0.090272 & 0.127708 & 4.082888 & 4.159102 & 0.007039\end{array}$

 $\begin{array}{lllllllll}1000 & 1050.892 & 0.012639 & 0.095231 & 0.108829 & 0.069224 & 3.48895 & 3.433321 & 0.00651 \\ 10.012256 & 0.083559 & 0.094399 & 0.08595 & 3.588081 & 3.84616 & 0.006362\end{array}$ $\begin{array}{llllllllll}1000 & 1073.743 & 0.016611 & 0.094162 & 0.050613 & 0.077413 & 3.750747 & 4.084998 & 0.005941\end{array}$ $\begin{array}{lllllllll}1000 & 1040.508 & 0.013303 & 0.085952 & 0.055027 & 0.0993271 & 4.431008 & 3.641332 & 0.006345\end{array}$ $\begin{array}{llllllllll}1000 & 948.8302 & 0.017151 & 0.120521 & 0.107967 & 0.105458 & 4.450501 & 4.169837 & 0.011552\end{array}$

 $\begin{array}{lllllllll}1000 & 1150.978 & 0.01103 & 0.112328 & 0.140965 & 0.104858 & 4.527291 & 4.246741 & 0.008904\end{array}$ $\begin{array}{lllllllll}1000 & 1078.461 & 0.010312 & 0.113554 & 0.110995 & 0.094182 & 4.582837 & 5.216003 & 0.007964 \\ 1000 & 979.3589 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563\end{array}$ $\begin{array}{lllllllll}1000 & 979.3559 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563 \\ 1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979\end{array}$ $\begin{array}{lllllllll}1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979 \\ 1000 & 973.635 & 0.007862 & 0.095273 & 0.097306 & 0.056644 & 4.777448 & 4.033135 & 0.004704\end{array}$ $\begin{array}{lllllllll}1000 & 898.0397 & 0.0012928 & 0.084047 & 0.0973761 & 0.056644 & 4.777448 & 4.033135 & 0.004704 \\ 10.0964684 & 5.850733 & 4.297753 & 0.009108\end{array}$ $\begin{array}{lllllllll}1000 & 822.2072 & 0.009701 & 0.10902 & 0.077634 & 0.094442 & 4.545877 & 4.32527 & 0.005085\end{array}$ $\begin{array}{lllllllll}1000 & 944.5036 & 0.014902 & 0.128787 & 0.07847 & 0.101693 & 5.689784 & 5.067543 & 0.011265 \\ 1000 & 873.0413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ $\begin{array}{lllllllll}1000 & 873.9413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ | 1000 | 1160.539 | 0.016712 | 0.1056 | 0.124497 | 0.101001 | 5.15125 | 5.059805 | 0.006411 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1035.832 & 0.019257 & 0.104078 & 0.073098 & 0.089762 & 4.602694 & 4.446512 & 0.00825 \\ 1000 & 996.6967 & 0.020022 & 0.094208 & 0.072893 & 0.091969 & 4.68461 & 4.47308 & 0.009578\end{array}$ $\begin{array}{lllllllll}1000 & 1161.63 & 0.015064 & 0.119751 & 0.0660777 & 0.103982 & 4.663641 & 4.280423 & 0.008475\end{array}$ $\begin{array}{llllllllll}1000 & 1075.271 & 0.019046 & 0.136875 & 0.144539 & 0.112855 & 4.445872 & 4.013315 & 0.008608\end{array}$ $\begin{array}{llllllllll}1000 & 1047.164 & 0.028758 & 0.142505 & 0.167969 & 0.15747 & 5.70897 & 5.048413 & 0.011243\end{array}$

| 559.8638 | 101.01 | 133.02 | 350.39 | 371.44 | 9180.22 | 161664.1 | 255.07 | 248.07 | 31 | 207.05 | 7637.67 | 62026.25 | 50 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 560.1976 | 99.01 | 157.03 | 295.28 | 433.59 | 8903.88 | 193284.4 | 240.06 | 217.05 | 29 | 186.04 | 7869.58 | 69510.75 | 30 |
| 560.532 | 133.02 | 156.03 | 243.19 | 358.41 | 11063.63 | 183742.7 | 344.13 | 224.05 | 33 | 182.04 | 7534.98 | 70969.93 | 54 |
| 560.8658 | 104.01 | 175.03 | 359.41 | 362.42 | 9667.34 | 197549.6 | 338.12 | 273.08 | 43 | 220.05 | 7518.71 | 65877.77 | 32 |
| 561.1996 | 112.01 | 137.02 | 279.25 | 485.75 | 8136.66 | 152128.3 | 330.12 | 170.03 | 34 | 144.02 | 7443.49 | 64626.49 | 39 |
| 561.5339 | 117.01 | 149.02 | 425.57 | 388.48 | 8930.33 | 144822.1 | 300.1 | 158.03 | 26 | 157.03 | 7213.83 | 60076.08 | 24 |
| 561.8678 | 101.01 | 123.02 | 235.17 | 373.44 | 7790.66 | 135401.4 | 280.08 | 117.01 | 23 | 118.02 | 7053.34 | 56419.16 | 20 |
| 562.2016 | 101.01 | 176.03 | 316.32 | 341.37 | 7428.64 | 116872 | 310.1 | 91.01 | 3 | 114.01 | 6459.6 | 56851.48 | 5 |
| 562.5359 | 104.01 | 99.01 | 219.15 | 348.38 | 7434.93 | 121152.1 | 278.08 | 97.01 | 16 | 109.01 | 6027.73 | 52843.54 | 19 |
| 562.8698 | 79.01 | 149.02 | 226.16 | 330.34 | 7402.44 | 109689.1 | 259.07 | 73.01 | 11 | 84.01 | 5828.15 | 52872.66 | 18 |
| 563.2036 | 104.01 | 137.02 | 254.2 | 292.27 | 7618.47 | 119417.6 | 249.07 | 76.01 | 11 | 87.01 | 6180.77 | 48701.12 | 18 |

## Standard NIST SRN 610 used for shell 2388 <br> 2:|2016 herath_dilmil 2016-09-05\ruu Created: Mon Sep 05 17:58:12 2016

## All values are reported in ppm

GLITTER!: Trace Element Concentrations MDL filtered. Element std610_7 std610_8 stdd10_9 std610 $\begin{array}{llllll}\text { Li7 } & 473.25 & 462.46 & 465.96 & 470.24\end{array}$ $\begin{array}{lrrrr}\text { B11 } & 351.45 & 348.46 & 349.08 & 350.9 \\ \text { Mg25 } & 430.34 & 433.81 & 432.15 & 43.7\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 430.34 & 433.81 & 432.13 & 431.73\end{array}$ $\begin{array}{lrrrr}\text { Mg26 } & 4424 & 440.21 & 430.13 & 431.73 \\ \text { Ca43 } & 81473.75 & 8143.75 & 81473.77 & 814737\end{array}$ $\begin{array}{llllll}\text { Ca43 } & 81473.75 & 8140.21 & 430.29 & 432.72 \\ & 81473.77 & 81473.77\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 81210.13 & 81780.01 & 81439.73 & 81474.34\end{array}$ $\begin{array}{llrrr}\text { Mn55 } & 443.02 & 445.26 & 442.08 & 445.52\end{array}$ $\begin{array}{lllll}\text { Zn66 } & 436.91 & 492.07 & 460.31 & 457.04 \\ \text { Zn67 } & 441.38 & 483.82 & 459.25 & 45.57\end{array}$ $\begin{array}{lllll}\text { Zn67 } & 441.38 & 483.82 & 459.25 & 458.57 \\ \text { Zn68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ & & 53.5 & 51.96 & 54.57\end{array}$ $\begin{array}{lllll}\text { 2r68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ \text { Sr86 } & 497.56 & 536.02 & 514.46 & 514.57 \\ \text { Sr88 } & 515.41 & 515.64 & 514.93 & 5152\end{array}$ $\begin{array}{llllll}\text { Sr88 } & 515.41 & 565.64 & 514.93 & 515.96 \\ \text { Ba137 } & 448.46 & 456.23 & & \end{array}$

GUITER!: Mean Raw CPS background NOT subtrated Element Mean Raw CPS background NOT subtracted.
std610 7
std610
8 std610 9 std610 Element std610_7 std610_8 std610_9 std610_10 $\begin{array}{lllll}\text { Li7 } & 840630 & 774959 & 634379 & 666687 \\ \text { B11 } & 176916 & 163919 & 122115 & 126585\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 87675 & 81348 & 63959 & 6631\end{array}$ $\begin{array}{llllll}\text { Mg26 } & 105876 & 95037 & 74052 & 77259\end{array}$ $\begin{array}{llllll}\text { Са43 } & 197179 & 186631 & 157114 & 164209\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 3301874 & 3109408 & 2608571 & 2726212\end{array}$ $\begin{array}{llllll}\text { Mn55 } & 834433 & 771902 & 598662 & 625398\end{array}$

| Zn66 | 115890 | 124138 | 102559 | 106915 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Zn67 | 19811 | 20548 | 16357 | 17053 |


|  | 19811 | 20548 | 16357 | 17053 |
| :--- | :--- | :--- | :--- | :--- |
| 2n68 | 90695 | 94465 | 75776 | 78915 |


| Sr86 | 108902 | 94465 | 75776 | 78915 |
| ---: | ---: | ---: | ---: | ---: | ---: |
|  | 10341 | 85315 | 89330 |  |

 $\begin{array}{llllll}\text { Ba137 } & 108577 & 104945 & 90541 & 95266\end{array}$

Average CPS/ppm X/Ca43
467.97751558 .117720 .123 $349.9725421 .1295 \quad 194.6357$ 432.0025 173.2039 80.0505 431.805 203.9254 94.24927 $81473.76 \quad 2.163681$
$81476.05 \quad 36.04146 \quad 16.65747$ $\begin{array}{r}443.97 \quad 1593.799736 .6143 \\ 461.5825 \\ 243.257 \\ \hline\end{array}$ $460.755 \quad 40.02615 \quad 18.499$ $461.6425 \quad 184.0445 \quad 85.060$ 515.6525186 .602486 .24302 $\begin{array}{lll}515.485 & 1556.279 & 719.2735\end{array}$ 452.035 220.8507 102.0717

Average
729163.8
147383.8
74824.5

88056 176283.3 2936516 707598.8
112375.5 84962.75 96222 99832.2
$\begin{array}{llllll}0.045024 & 0.242562 & 0.815599 & 0.658407\end{array}$ $\begin{array}{llllll}0.044512 & 0.304164 & 0.707952 & 0.801319\end{array}$ $\begin{array}{llll}0.044512 & 0.304164 & 0.707952 & 0.801319 \\ 0.061963 & 0.242966 & 0.468588 & 0.525642\end{array}$ $\begin{array}{llllll}0.045394 & 0.317474 & 0.794539 & 0.608854\end{array}$ $\begin{array}{lllllll}0.062297 & 0.283536 & 0.732397 & 0.989375\end{array}$ $\begin{array}{lllll}0.061521 & 0.285277 & 1.019278 & 0.710314\end{array}$ $\begin{array}{lllll}0.053057 & 0.260096 & 0.643378 & 0.780374\end{array}$
 $\begin{array}{lllll}0.059028 & 0.207786 & 0.627878 & 0.758577\end{array}$ $\begin{array}{llll}0.030565 & 0.344174 & 0.650979 & 0.719146\end{array}$

$\begin{array}{lllllllll}1000 & 1032.632 & 0.013431 & 0.155637 & 0.113652 & 0.141987 & 4.764557 & 4.591321 & 0.016482\end{array}$ $\begin{array}{llllllll}1000 & 1273.089 & 0.012058 & 0.140289 & 0.109384 & 0.128847 & 5.063505 & 5.305071\end{array} 0.010108$ $\begin{array}{lllllllll}1000 & 973.9181 & 0.019691 & 0.116563 & 0.100574 & 0.101002 & 3.89951 & 4.358914 & 0.014784\end{array}$ $\begin{array}{llllllllll}1000 & 1096.326 & 0.024948 & 0.120047 & 0.141027 & 0.102593 & 5.237366 & 5.397477 & 0.014452\end{array}$ $\begin{array}{llllllll}1000 & 950.8609 & 0.019161 & 0.101593 & 0.097402 & 0.104307 & 4.622672 & 4.571424 \\ 0.008019\end{array}$ $\begin{array}{lllllllll}1000 & 1019.028 & 0.019236 & 0.08596 & 0.09829 & 0.082331 & 5.179594 & 4.921326 & 0.0077618 \\ 1000 & 922.319 & 0.024655 & 0.069876 & 0.009644 & 0.0723 & 4.96557 & 5 & 200764\end{array}$ | 1000 | 1029.019 | 0.019236 | 0.08596 | 0.0982 | 0.082331 | 5.179594 | 4.921326 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 0.007618 |  |  |  |  |  |  | $\begin{array}{llllllll}1000 & 955.3226 & 0.019871 & 0.074492 & 0.070319 & 0.077259 & 4.627473 & 4.830022\end{array} 0.000757$ $\begin{array}{llllllllll}1000 & 918.9416 & 0.015349 & 0.05673 & 0.045847 & 0.053921 & 4.632462 & 4.344124 & 0.006986\end{array}$

Acquired :5/01/2017 1:02:08 PM using Batch RUN3.b
 70.4927

### 70.8265 71.1608

71.1608
71.4947
71.4947
71.829
71.829
72.1628
72.4966
$72.4966 \quad 74$
72.49266
72.831
73.1648

| 73.16 |
| :--- |
| 73.48 |

7

| 74.16 |
| :--- |
| 74.5 |


| 74.50 |
| :--- |
| 74.83 |


| 74.81 |
| :--- |
| 75.1 |


| 75.168 |
| :--- |
| 75.5026 |
| 75.83 |


| 75.836 |
| :--- |
| 76.17 |

76.81798
76.5046
76.5046
76.8399
76.8399
77.1738

| 77.1738 |
| :--- |
| 77.50 |


| 77.507 |
| :--- |
| 77.841 |
| 78.1757 |


| 77.841 |
| :--- |
| 78.175 |

78.50
79.1
79.51
79.84
79.8459
80.1797
80.1797
80.5135
80.5135
80.8479
81.1817
80.8479
81.1817
815155
81.5155
81.8499
821837
$82 . .1837$
82.5175
82.5175
82.8518
83.1857
83.1857
83.52
8.538
83.52
83.8538
84.1876
83.8538
84.1876
84.522
84.1876
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84.8568
84.8568
85.1907
85.1907
85.525
85.525
85.5888
85.8588
86.1926
86.527
86.527
86.8608
$\begin{array}{r}86.8608 \\ 87.1946 \\ \hline 87.529\end{array}$
86.1946
87.529
87.8628
87.8628
88.1966
88.1966
88.5309
88.5309
88.8648
$\begin{array}{rrrrrrrrrr}88.1986 & 111.01 & 166.03 & 63.01 & 124.05 & 6438.07 & 6233 & 123838.8 & 196.04 & 94.01 \\ & 177.03 & 90.03 & 91.03 & 6726.88 & 130548.3 & 191.04 & 119.02\end{array}$

$206.13 \quad 6937 .{ }^{2} 179$ $\begin{array}{llll} & 6937.81 & 112650.8\end{array}$ | 179.1 | 6197.63 | 1119965.6 |
| :--- | :--- | :--- |
| 1519 | 6519.34 | 98035.8 |

 $\stackrel{\circ}{\circ}$ $\stackrel{\infty}{\infty}{ }_{\infty}^{\infty}$
$5 r 86$

01

336 $\begin{array}{llll}85.01 & 3361.39 & 33209.72\end{array}$ $\begin{array}{lll}87.01 & 3465.17 & 33931.2 \\ 90.01 & 40.77 & 3547.24\end{array}$ \begin{tabular}{llll}
\hline .01 \& 4026.77 \& 35547.29

 $\begin{array}{lll}76.01 & 3489.35 & 31910.24 \\ 70.01 & 4359.82 & 2901627\end{array}$ $\begin{array}{rrr}70.01 & 4359.82 & 29016.27 \\ 67 & 3356.35 & 30960.71\end{array}$ $\begin{array}{llll}67 & 3356.35 & 30960.71 \\ .01 & 4106.48 & 35093.96\end{array}$ $\begin{array}{lll}69.01 & 4106.48 & 35093.96 \\ 80.01 & 3662.71 & 36699.88\end{array}$ 

80.01 <br>
69.01 <br>
\hline 7.01

 

3662.01 \& 34489.1 <br>
3999.53 \& 29366.7 <br>
\hline
\end{tabular}

 $\begin{array}{llll}73.01 & 4410.31 & 31338.37 \\ 74.01 & 3885.55 & 31480.73\end{array}$ 66
74.01 38773.6132687 .78
31738 $\begin{array}{lll}3773.71 & 32607.78 \\ 30633.37\end{array}$ $4039.88 \quad 26954.74$ $\begin{array}{ll}4039.88 & 26954.74 \\ 361.46 & 31070.87\end{array}$ 76.01 $\begin{array}{ll}9 & \\ 5 & 0 \\ 9 & 0 \\ 4 & 0\end{array}$

Convertion mmol/mol (Georem)
${ }^{L i 7} \quad{ }^{\text {B11 }} \quad \mathrm{Mg} 25 \quad \mathrm{Mg} 26 \quad \mathrm{Ca43}$ $\begin{array}{lllll}0.014212 & 0.477124 & 0.400065 & 0.453168 \\ 0.036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{llll}036508 & 0.747779 & 0.54156 & 0.430774\end{array}$ $\begin{array}{lllll}0.024304 & 0.6252999 & 0.4721542 & 0.5330387\end{array}$ $\begin{array}{llll}0.024304 & 0.625299 & 0.471542 & 0.530357 \\ 0.071327 & 0.86506 & 0.626596 & 0.689338\end{array}$ $\begin{array}{lllll}0.032441 & 0.65367 & 0.509878 & 0.588591\end{array}$ $\begin{array}{lllll}0.045964 & 0.836121 & 0.683849 & 0.496286\end{array}$ $\begin{array}{llllllll}0.023956 & 0.722269 & 0.746994 & 0.418764\end{array}$ $\begin{array}{lllllllll}0.0314 & 0.809139 & 0.492741 & 0.597374\end{array}$ $\begin{array}{llll}0.035631 & 0.68044 & 0.394908 & 0.419953\end{array}$ $\begin{array}{llll}0.042699 & 0.645016 & 0.382305 & 0.423525\end{array}$ $\begin{array}{llll}0.038644 & 0.732868 & 0.303948 & 0.363932 \\ 0.050167 & 0.6052 & 0.262075 & 0.339768\end{array}$ $04678 \quad 0.696277 \quad 0.474610 .332669$ $\begin{array}{lllll}0.041127 & 0.786182 & 0.496357 & 0.502365\end{array}$ 0.030360 .6868030 .7443420 .386995 0.0272210 .6776730 .5259210 .286233 0.0418050 .5988560 .4249670 .304504 $\begin{array}{llll}0.044409 & 0.529427 & 0.230359 & 0.29566\end{array}$ $\begin{array}{rrrr}0.047104 & 0.661144 & 0.347343 & 0.364 \\ 0 & 045462 & 0.616712 & 0.362359\end{array}$ $\begin{array}{llllll}0.049756 & 0.446333 & 0.435203 & 0.327911\end{array}$ $\begin{array}{llll}0.062749 & 0.375359 & 0.252237 & 0.239868\end{array}$ $\begin{array}{llllll}0.088728 & 0.535161 & 0.238787 & 0.279027\end{array}$ $\begin{array}{lllllll}0.127013 & 0.588532 & 0.429127 & 0.327099\end{array}$ $\begin{array}{lllllllll}0.085732 & 0.597896 & 0.355955 & 0.359016\end{array}$ $0.077984 \quad 0.515370 .2200480 .274219$ $\begin{array}{llll}0.066519 & 0.581484 & 0.195853 & 0.231953\end{array}$ $\begin{array}{lllll}0.046257 & 0.481883 & 0.259778 & 0.259115\end{array}$ $\begin{array}{lllllll}0.101143 & 0.473082 & 0.261028 & 0.367494\end{array}$ $\begin{array}{llll}0.132016 & 0.513791 & 0.245818 & 0.3089\end{array}$ $\begin{array}{llllll}0.097711 & 0.457082 & 0.258896 & 0.194549\end{array}$ $\begin{array}{llllll}0.094896 & 0.464772 & 0.247803 & 0.220315\end{array}$ $0.1374370 .442277 \quad 0.2136520 .210203$ $\begin{array}{lllll}0.143102 & 0.52655 & 0.267642 & 0.226465\end{array}$ $\begin{array}{lllll}0.130366 & 0.450118 & 0.194497 & 0.198305 \\ 0.05261 & 0.432313 & 0.262108 & 0.219594\end{array}$ 0.0878880 .4460670 .3442540 .221977 $\begin{array}{llllll}0.082093 & 0.458292 & 0.270474 & 0.168049\end{array}$ $\begin{array}{llllll}0.087772 & 0.434892 & 0.253075 & 0.214525\end{array}$ $\begin{array}{lllllll}0.066281 & 0.287609 & 0.174145 & 0.185087\end{array}$ $\begin{array}{lllll}0.052363 & 0.333942 & 0.187762 & 0.208832\end{array}$ $\begin{array}{lllll}0.062725 & 0.378172 & 0.185271 & 0.177175\end{array}$ $\begin{array}{llll}0.088444 & 0.419751 & 0.262195 & 0.260536 \\ & 0.05335 & 0.358938 & 0.2029\end{array}$ $\begin{array}{lllll}0.027028 & 0.342342 & 0.250189 & 0.271304\end{array}$ $\begin{array}{llllll}0.034908 & 0.419729 & 0.245391 & 0.171974\end{array}$ $\begin{array}{llllllll}0.02841 & 0.355781 & 0.267222 & 0.337443\end{array}$ $\begin{array}{llllllllllll}0.054306 & 0.507699 & 0.277764 & 0.363138\end{array}$ $\begin{array}{lllllllllllll}0.051474 & 0.468197 & 0.318724 & 0.271393\end{array}$ $\begin{array}{llll}0.064388 & 0.456206 & 0.24802 & 0.181336\end{array}$ $\begin{array}{llll}0.036547 & 0.420079 & 0.222493 & 0.195849\end{array}$ $\begin{array}{lllll}0.061872 & 0.39398 & 0.2279807 & 0.174905\end{array}$ $0773440379804 \quad 0.2384060185501$ $\begin{array}{llllll}0.098567 & 0.423807 & 0.254163 & 0.150082\end{array}$ $0.0799650 .463494 \quad 0.210790 .273347$ $\begin{array}{llllllll}0.125941 & 0.462248 & 0.281605 & 0.167139\end{array}$

$\begin{array}{llllllll}\text { Ca44 Mn55 Zn66 } & \text { Zn67 } & \text { Zn68 } & \text { Sr86 } & \text { Sr88 } & \text { Ba137 }\end{array}$ $\begin{array}{llllllllll}1000 & 951.8809 & 0.000472 & 0.066472 & 0.035339 & 0.057069 & 2.730254 & 3.252972 & 0.003694 \\ 0.000 & 1125.394 & 0.001214 & 0.062262 & 0.050761 & 0.066287 & 3.153538 & 3.720711 & 0.002157\end{array}$ | 1000 | 8272.4309 | 0.011745 | 0.06626297 | 0.050781 | 0.066287 | 3.153538 | 0.066437 | 3.49748 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 894.2208 & 0.008809 & 0.045705 & 0.045435 & 0.053409 & 3.195475 & 3.520361 & 0.001673\end{array}$ $\begin{array}{llllllllll}1000 & 1196.172 & 0.009453 & 0.056956 & 0.021967 & 0.058739 & 5.108527 & 4.072927 & 0.004028\end{array}$

 $\begin{array}{lllllllllll}1000 & 1015.424 & 0.00658 & 0.057904 & 0.000394 & 0.048907 & 4.108248 & 3.211709 & 0.002902\end{array}$ $\begin{array}{llllllllll}1000 & 953.4733 & 0.000197 & 0.044156 & 0.047832 & 0.06131 & 3.925668 & 4.005544 & 0.003333\end{array}$ $\begin{array}{lllllllll}1000 & 1107.276 & 0.010057 & 0.059699 & 0.051875 & 0.076142 & 4.196812 & 3.698962 & 0.004751 \\ 1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039452 & 3.185524 & 3.263367 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 844.128 & 0.006603 & 0.045419 & 0.019891 & 0.039052 & 3.185524 & 3.2633667 & 0.003182\end{array}$ $\begin{array}{lllllllll}1000 & 838.1201 & 0.003764 & 0.035212 & 0.032305 & 0.047074 & 3.84113 & 3.268843 & 0.001111 \\ 1000 & 947.8219 & 0.007628 & 0.03652 & 0.033167 & 0.042495 & 2.973707 & 2.894111 & 0.003053\end{array}$ $\begin{array}{llllllllllll}1000 & 939.1253 & 0.004274 & 0.039855 & 0.021759 & 0.039266 & 3.290681 & 3.426599 & 0.002062\end{array}$ $\begin{array}{llllllllll}1000 & 990.8375 & 0.003539 & 0.050894 & 0.038741 & 0.049636 & 3.273834 & 3.225031 & 0.004534\end{array}$ $\begin{array}{lllllllllll}1000 & 1039.072 & 0.007752 & 0.068145 & 0.063606 & 0.03552 & 4.165834 & 3.335605 & 0.004109\end{array}$ $\begin{array}{llllllllll}1000 & 973.6845 & 0.006464 & 0.039137 & 0.062032 & 0.039928 & 3.038355 & 3.128238 & 0.002435\end{array}$ $\begin{array}{lllllllll}1000 & 988.1532 & 0.004017 & 0.03546 & 0.036964 & 0.049601 & 3.10776 & 3.036294 & 0.005251\end{array}$ $\begin{array}{llllllllll}1000 & 791.2393 & 0.005467 & 0.027768 & 0.044877 & 0.040568 & 3.253481 & 3.256181 & 0.004531\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1288.02 & 0.010661 & 0.034051 & 0.065232 & 0.020502 & 3.942886 & 3.211692 & 0.009562 \\ 1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539\end{array}$ $\begin{array}{lllllllll}1000 & 1001.734 & 0.006084 & 0.055125 & 0.032513 & 0.037026 & 3.154551 & 3.276531 & 0.002539 \\ 1000 & 874.6547 & 0.006293 & 0.038395 & 0.065143 & 0.032661 & 3.779576 & 3.800531 & 0.006849\end{array}$ $\begin{array}{llllllllllll}1000 & 813.2915 & 0.002637 & 0.048345 & 0.063684 & 0.044975 & 2.376965 & 2.619135 & 0.002756\end{array}$ $\begin{array}{lllllllllll}1000 & 863.7948 & 0.00845 & 0.078664 & 0.078354 & 0.071598 & 3.281222 & 3.162489 & 0.003841\end{array}$ $\begin{array}{llllllllllll}1000 & 1092.823 & -0.00016 & 0.090327 & 0.103329 & 0.105717 & 3.728971 & 3.581617 & 0.002709\end{array}$ $\begin{array}{lllllllll}1000 & 1094.188 & 0.003495 & 0.073767 & 0.086995 & 0.084989 & 3.801596 & 4.045545 & 0.009261\end{array}$ $\begin{array}{llllllllll}1000 & 969.9872 & 0.005439 & 0.080255 & 0.054503 & 0.061475 & 2.846943 & 3.156836 & 0.016691\end{array}$ $\begin{array}{lllllllll}1000 & 1004.166 & 0.002931 & 0.080088 & 0.101573 & 0.085763 & 3.453176 & 3.540166 & 0.040678\end{array}$ $\begin{array}{lllllllll}1000 & 898.636 & 0.002932 & 0.088486 & 0.070601 & 0.094927 & 3.047474 & 3.39936 & 0.04539 \\ 1000 & 937.6714 & 0.00867 & 0.084467 & 0.094624 & 0.085575 & 3.413075 & 3.554065 & 0.046439\end{array}$ $\begin{array}{llllllllll}1000 & 1009.745 & 0.009716 & 0.087166 & 0.09835 & 0.076867 & 3.829196 & 3.570973 & 0.063827\end{array}$ $\begin{array}{llllllllll}1000 & 1451.672 & 0.002636 & 0.089023 & 0.059244 & 0.076001 & 4.012703 & 3.429175 & 0.055041\end{array}$ $\begin{array}{llllllllllll}1000 & 947.4987 & 0.007241 & 0.083048 & 0.066248 & 0.079119 & 3.364185 & 3.560657 & 0.050137\end{array}$ $\begin{array}{lllllllll}1000 & 915.0917 & 0.012553 & 0.069763 & 0.031058 & 0.073791 & 3.437191 & 3.490126 & 0.058979\end{array}$ $\begin{array}{llllllllll}1000 & 1145.088 & 0.004697 & 0.070796 & 0.071398 & 0.082256 & 3.132771 & 3.345793 & 0.040727\end{array}$ $\begin{array}{lllllllll}1000 & 972.705 & 0.012894 & 0.074341 & 0.11221 & 0.076753 & 3.451217 & 3.240828 & 0.037346 \\ 1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 850.0569 & 0.006157 & 0.056087 & 0.044394 & 0.069517 & 3.060751 & 3.177904 & 0.0352 \\ 1000 & 1042.33 & 0.004907 & 0.073958 & 0.103134 & 0.062686 & 3.803777 & 3.897937 & 0.022875\end{array}$ $\begin{array}{lllllllll}1000 & 1062.367 & 0.011058 & 0.066356 & 0.04477 & 0.099023 & 4.045204 & 3.70536 & 0.016849\end{array}$ $\begin{array}{lllllllllll}1000 & 923.2817 & 0.004866 & 0.074117 & 0.07465 & 0.059718 & 3.08433 & 3.020962 & 0.014164\end{array}$ $\begin{array}{llllllllllllll}1000 & 860.2757 & 0.007473 & 0.060675 & 0.074516 & 0.052496 & 3.488818 & 3.520501 & 0.012804\end{array}$ $\begin{array}{llllllllll}1000 & 749.476 & 0.005608 & 0.060766 & 0.051304 & 0.034845 & 2.634693 & 2.910926 & 0.007272\end{array}$ $\begin{array}{lllllllll}1000 & 891.3057 & 0.00787 & 0.072405 & 0.059901 & 0.0415 & 2.786632 & 3.268306 & 0.008651\end{array}$ | 1000 | 941.8271 | 0.007392 | 0.093496 | 0.046279 | 0.06055 | 4.03341 | 3.974286 | 0.006266 |
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| 1000 | 958.3042 | 0.004492 | 0.074719 | 0.038281 | 0.06304 | 3.513881 |  |  | $\begin{array}{llllllllll}1000 & 958.3042 & 0.004492 & 0.074719 & 0.038281 & 0.065304 & 3.519881 & 3.564174 & 0.006874\end{array}$ $\begin{array}{lllllllll}1000 & 1071.578 & 0.005013 & 0.077214 & 0.041172 & 0.091066 & 3.785611 & 3.545129 & 0.004221\end{array}$ $\begin{array}{llllllllll}1000 & 814.1257 & 0.000581 & 0.064182 & 0.074776 & 0.056095 & 3.03215 & 3.393862 & 0.005082\end{array}$ $\begin{array}{lllllllll}1000 & 982.3351 & 0.004408 & 0.075003 & 0.097783 & 0.06291 & 3.667249 & 3.784144 & 0.005147\end{array}$ $\begin{array}{lllllllll}1000 & 1219.838 & 0.0088 & 0.076281 & 0.069258 & 0.083944 & 3.667925 & 3.80834 & 0.008296\end{array}$ $\begin{array}{llllllllll}1000 & 1052.024 & 0.00993 & 0.098466 & 0.072977 & 0.123589 & 3.96565 & 3.669712 & 0.005606\end{array}$ $\begin{array}{lllllllll}1000 & 887.4477 & 0.003827 & 0.094128 & 0.093797 & 0.082602 & 3.36748 & 3.572334 & 0.003376 \\ 1000 & 885.8544 & 0.004056 & 0.077334 & 0.09468 & 0.000252 & 3.358893 & 3.064162 & 0.005986\end{array}$ $\begin{array}{lllllllll}1000 & 885.8544 & 0.004056 & 0.073734 & 0.094686 & 0.090252 & 3.358983 & 3.064162 & 0.005986 \\ 1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241\end{array}$ $\begin{array}{lllllllll}1000 & 874.5232 & 0.007651 & 0.08621 & 0.053107 & 0.082528 & 3.309539 & 3.284596 & 0.005241 \\ 1000 & 1005.464 & 0.004205 & 0.074607 & 0.094794 & 0.081233 & 3.114214 & 3.440002 & 0.003489\end{array}$ $\begin{array}{lllllllllll}1000 & 1342.256 & 0.007262 & 0.07879 & 0.080743 & 0.072064 & 3.146068 & 3.008 & 0.002117\end{array}$ $\begin{array}{llllllllll}1000 & 1089.571 & 0.008758 & 0.087828 & 0.054255 & 0.093846 & 3.603448 & 3.582285 & 0.002077\end{array}$ $\begin{array}{lllllllllll}1000 & 1164.891 & 0.009728 & 0.086072 & 0.061609 & 0.113651 & 4.158845 & 3.825655 & 0.002145\end{array}$ $\begin{array}{llllllllll}1000 & 1137.878 & 0.008224 & 0.101288 & 0.067403 & 0.086499 & 3.312141 & 3.70104 & 0.001988\end{array}$

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$\begin{array}{llll}0.118851 & 0.37433 & 0.259692 & 0.214372 \\ 0.170714 & 0.358238 & 0.216677 & 0.219052\end{array}$ $\begin{array}{llll}0.170714 & 0.358238 & 0.216677 & 0.219052 \\ 0.136293 & 0.451017 & 0.294004 & 0.217436\end{array}$ $\begin{array}{lllllll}0.144901 & 0.497665 & 0.222551 & 0.152535\end{array}$ $\begin{array}{lllll}0.179913 & 0.46306 & 0.223666 & 0.250856\end{array}$ $\begin{array}{llllll}0.178273 & 0.400702 & 0.275914 & 0.178043\end{array}$ $\begin{array}{llll}0.160625 & 0.408582 & 0.282087 & 0.188593 \\ 0\end{array}$ $\begin{array}{llll}0.173689 & 0.353839 & 0.173898 & 0.278287\end{array}$ $\begin{array}{llll}0.190814 & 0.390799 & 0.182025 & 0.241513 \\ 0 & 201015 & 0.365881 & 0.25338 \\ 0\end{array}$ $\begin{array}{lllll}0.231876 & 0.464771 & 0.2253877 & 0.182255 \\ 0.204869\end{array}$ $\begin{array}{lllll}0.207273 & 0.490209 & 0.305904 & 0.261771\end{array}$ $\begin{array}{llllll}0.173558 & 0.469886 & 0.215718 & 0.250293\end{array}$ $\begin{array}{lllll}0.164121 & 0.49889 & 0.20852 & 0.205221\end{array}$ $\begin{array}{lllll}0.234856 & 0.365297 & 0.182624 & 0.168479\end{array}$ $\begin{array}{llll}0.167435 & 0.401373 & 0.110809 & 0.187595\end{array}$ $\begin{array}{llll}0.27688 & 0.582093 & 0.193286 & 0.19965 \\ 0.217958 & 0.471522 & 0.174407 & 0.22693\end{array}$ $\begin{array}{llll}0.217988 & 0.471522 & 0.174407 & 0.22693 \\ 0.222884 & 0.459433 & 0.179438 & 0.208157\end{array}$ $\begin{array}{lllll}0.150165 & 0.57902 & 0.174384 & 0.254814\end{array}$ $\begin{array}{lllll}0.203815 & 0.714681 & 0.242645 & 0.218275\end{array}$ $\begin{array}{lllll}0.180368 & 0.446052 & 0.360615 & 0.294283\end{array}$ $\begin{array}{lllll}0.071237 & 0.538947 & 0.277759 & 0.328447\end{array}$ $\begin{array}{llll}0.130598 & 0.69645 & 0.34135 & 0.360065\end{array}$ $\begin{array}{lllll}0.098843 & 0.65377 & 0.676307 & 0.410491\end{array}$ $\begin{array}{llll}0.104922 & 0.943184 & 0.865769 & 0.776322 \\ 0.040938 & 0.691043 & 0.77151 & 0.629973\end{array}$ $\begin{array}{lllll}0.025689 & 0.781073 & 1.208556 & 0.843902\end{array}$ $\begin{array}{llll}0.049064 & 0.684149 & 1.211672 & 0.975762\end{array}$ $\begin{array}{lllll}0.052452 & 0.722255 & 0.966243 & 0.917476\end{array}$ $\begin{array}{llll}0.035855 & 0.712508 & 1.251157 & 1.334088\end{array}$ $\begin{array}{llll}0.004774 & 0.794482 & 1.42477 & 1.33097\end{array}$ $\begin{array}{rrrr}0.01533 & 0.716821 & 1.380249 & 1.019492 \\ 0.008619 & 0.848255 & 1.477547 & 1130183\end{array}$ $\begin{array}{llll}0.008619 & 0.843255 & 1.477547 & 1.130183 \\ 0.057207 & 0.920017 & 1.315637 & 1.513824\end{array}$ $\begin{array}{lllll}0.018025 & 0.740061 & 1.046815 & 1.082261\end{array}$ $\begin{array}{lllll}-0.00059 & 0.744924 & 1.290903 & 1.178212\end{array}$ $0.0074990 .799498 \quad 0.817070 .853003$ $\begin{array}{lllll}0.037226 & 0.697422 & 0.759803 & 0.652097\end{array}$ $\begin{array}{llll}0.036922 & 0.645372 & 0.536409 & 0.59236\end{array}$ $\begin{array}{llll}0.04308 & 0.665748 & 0.5797 & 0.756277\end{array}$ $\begin{array}{llll}0.037874 & 0.715212 & 0.54262 & 0.482653 \\ 0.064756 & 0.455277 & 0.399401 & 0.373305\end{array}$ $\begin{array}{llll}0.10729 & 0.347264 & 0.311457 & 0.361366\end{array}$ $\begin{array}{llll}0.10676 & 0.617127 & 0.512927 & 0.372814\end{array}$ $\begin{array}{llllll}0.12763 & 0.572752 & 0.426613 & 0.378862\end{array}$ $\begin{array}{lllll}0.080305 & 0.518073 & 0.413452 & 0.392405\end{array}$ $\begin{array}{lllll}0.110695 & 0.553277 & 0.404886 & 0.827832\end{array}$ $\begin{array}{lllll}0.066012 & 0.548737 & 0.368205 & 0.38103\end{array}$ $\begin{array}{llll}0.111926 & 0.418364 & 0.369723 & 0.343052 \\ 0\end{array}$ $\begin{array}{llll}0.087696 & 0.413118 & 0.310493 & 0.40318 \\ 0.157165 & 0.474184 & 0.321666 & 0.314178\end{array}$ $\begin{array}{lllll}0.15984 & 0.592124 & 0.298767 & 0.325941\end{array}$ $\begin{array}{llllll}0.118792 & 0.336448 & 0.419941 & 0.479956\end{array}$ $\begin{array}{lllll}0.05874 & 0.456113 & 0.330277 & 0.297012\end{array}$ $\begin{array}{llll}0.072845 & 0.373145 & 0.319667 & 0.274059\end{array}$ $\begin{array}{llllll}0.044833 & 0.366563 & 0.195473 & 0.231454\end{array}$ $\begin{array}{llll}0.066279 & 0.345255 & 0.352563 & 0.268416\end{array}$ $\begin{array}{llll}0.109344 & 0.548296 & 0.326416 & 0.258488 \\ 0.068731 & 0.481528 & 0.456158 & 0.31852\end{array}$ $\begin{array}{llll}0.046675 & 0.442061 & 0.493742 & 0.352075\end{array}$ $\begin{array}{llllll}0.029568 & 0.299152 & 0.259549 & 0.178506\end{array}$ $\begin{array}{lllll}0.058166 & 0.542147 & 0.33527 & 0.29786\end{array}$ $\begin{array}{llll}0.06965 & 0.496335 & 0.389144 & 0.335432\end{array}$

$1000 \quad 905.7420 .0025460 .0988350 .058740 .089986$ 3.429429 3.4926620 .005746 | 1000 | 890.6126 | 0.002877 | 0.086703 | 0.069178 | 0.082464 | 3.526752 | 3.3959981 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.0044067 |  |  |  |  |  |  |
| 1000 | 1073.441 | 0.001675 | 0.082106 | 0.054641 | 0.058455 | 3.507604 | 3.403786 |
| 0 | 0.003647 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1073.441 & 0.001675 & 0.082106 & 0.054641 & 0.058455 & 3.507604 & 3.403786 & 0.003647 \\ 1000 & 929.3177 & 0.004843 & 0.061961 & 0.072055 & 0.079167 & 3.102895 & 3.164053 & 0.00311\end{array}$ $\begin{array}{lllllllll}1000 & 1225.217 & 0.004303 & 0.07071 & 0.090447 & 0.069996 & 3.217689 & 3.264866 & 0.003256\end{array}$ $\begin{array}{llllllllll}1000 & 970.7881 & 0.007138 & 0.09723 & 0.067582 & 0.085619 & 3.421184 & 3.432714 & 0.006105\end{array}$ $\begin{array}{lllllllll}1000 & 947.7764 & 0.00102 & 0.092931 & 0.093504 & 0.102446 & 3.519516 & 3.577147 & 0.002111 \\ 1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.06585 & 3338964 & 3.358839 & 0.00520\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1040.355 & 0.004617 & 0.068931 & 0.047021 & 0.0658 & 3.338964 & 3.350839 \\ 1000 & 904.7969 & 0.00025206 \\ 100 & 0.06308 & 0.067713 & 0.035117 & 0.052449 & 3.164404 & 3.369318 & 0.002793\end{array}$ | 1000 | 904.7969 | 0.003208 | 0.067713 | 0.035117 | 0.052449 | 3.164404 | 3.369318 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.002793 $\begin{array}{llllllllll}1000 & 1280.452 & 0.001371 & 0.079236 & 0.061353 & 0.059695 & 3.458863 & 3.501312 & 0.001646\end{array}$ $\begin{array}{llllllllll}1000 & 1031.921 & 0.001119 & 0.089958 & 0.096619 & 0.063459 & 3.967561 & 3.67656 & 0.003911\end{array}$ $\begin{array}{lllllllllll}1000 & 899.5557 & -0.00403 & 0.066704 & 0.049284 & 0.054816 & 3.018213 & 3.1865 & 0.002319\end{array}$ $\begin{array}{llllllllllllll}1000 & 946.1591 & 0.00817 & 0.087604 & 0.104637 & 0.051187 & 3.701981 & 3.581155 & 0.002743\end{array}$ $1000993.24640 .0011930 .0850390 .0437290 .0715763 .201924 \begin{array}{llllll}3.072473 & 0.004841\end{array}$ $\begin{array}{lllllllll}1000 & 829.7013 & 0.003745 & 0.065475 & 0.089444 & 0.061567 & 3.417848 & 3.364582 & 0.004294\end{array}$ $\begin{array}{lllllllll}1000 & 1399.821 & 0.003509 & 0.064642 & 0.067814 & 0.049206 & 3.851482 & 3.486635 & 0.007043 \\ 1000 & 1062.504 & 0.03156 & 0.075391 & 0.05437 & 0.062787 & 3.341506 & 3580388 & 0.003513\end{array}$ $\begin{array}{lllllllll}1000 & 1062.504 & 0.003156 & 0.073391 & 0.05437 & 0.062787 & 3.341506 & 3.580388 & 0.003513 \\ 1000 & 1288.647 & 0.001885 & 0.064578 & 0.044822 & 0.063408 & 3.439779 & 3.511351 & 0.004105\end{array}$ $\begin{array}{llllllllll}1000 & 958.7214 & 0.002609 & 0.057147 & 0.06394 & 0.059327 & 3.709795 & 3.428895 & 0.006255\end{array}$ $\begin{array}{lllllllllll}1000 & 1326.65 & 0.001774 & 0.051449 & 0.040624 & 0.039714 & 3.54729 & 4.085923 & 0.004247\end{array}$ $\begin{array}{llllllllll}1000 & 922.5494 & 0.008058 & 0.062168 & 0.050684 & 0.054205 & 4.225361 & 3.607393 & 0.003142\end{array}$ $\begin{array}{lllllllll}1000 & 926.0248 & 0.004348 & 0.052341 & 0.014006 & 0.042347 & 2.858641 & 2.99682 & 0.002972\end{array}$ $\begin{array}{lllllllll}1000 & 10944.093 & 0.004463 & 0.054263 & 0.093812 & 0.054794 & 3.424035 & 3.397338 & 0.001542\end{array}$ $\begin{array}{lllllllll}1000 & 1142.049 & 0.001762 & 0.057779 & 0.017504 & 0.039449 & 3.790318 & 3.588461 & 0.001696 \\ 1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361\end{array}$ $\begin{array}{lllllllll}1000 & 1205.412 & 0.003413 & 0.048587 & 0.059159 & 0.075855 & 4.37801 & 3.962937 & 0.001361 \\ 1000 & 920.2568 & 0.0077 & 0.034261 & 0.033104 & 0.040039 & 3.735436 & 3.415903 & 0.007889\end{array}$ $\begin{array}{lllllllll}1000 & 1052.672 & 0.010716 & 0.057902 & 0.060937 & 0.052204 & 4.032544 & 4.654298 & 0.004371\end{array}$ $\begin{array}{lllllllll}1000 & 1058.219 & 0.001879 & 0.035675 & 0.034252 & 0.030765 & 4.590401 & 4.726898 & 0.0032303\end{array}$ $\begin{array}{llllllllll}1000 & 1252.312 & 0.003046 & 0.04192 & 0.000398 & 0.024161 & 4.136815 & 3.775635 & 0.002383\end{array}$ $\begin{array}{lllllllllll}1000 & 1203.704 & 0.006028 & 0.042508 & 0.013982 & 0.025003 & 3.896073 & 4.005617 & 0.003806\end{array}$ $\begin{array}{lllllllll}1000 & 11101.566 & -0.002205 & 0.035857 & 0.023016 & 0.0164661 & 4.863489 & 4.798971 & 0.00223 \\ 1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.00331\end{array}$ $\begin{array}{llllllllll}1000 & 864.7441 & 0.006882 & 0.042975 & 0.03581 & 0.045855 & 3.991976 & 4.184816 & 0.003318\end{array}$ $\begin{array}{lllllllll}1000 & 1058.409 & 0.009446 & 0.052058 & 0.050708 & 0.050175 & 4.652786 & 4.801299 & 0.000756 \\ 1000 & 1183.255 & 0.010478 & 0.043883 & 0.012169 & 0.050827 & 4.573784 & 4.355595 & 0.000188\end{array}$ $\begin{array}{llllllllllll}1000 & 803.8904 & 0.009577 & 0.037524 & 0.040648 & 0.053182 & 4.120374 & 4.371965 & 0.0001496\end{array}$ $\begin{array}{lllllllll}1000 & 1037.693 & 0.001658 & 0.066333 & 0.000384 & 0.057836 & 5.041496 & 4.693602 & 0.003352\end{array}$ $\begin{array}{llllllllll}1000 & 925.5876 & 0.006262 & 0.053149 & 0.037427 & 0.054935 & 3.407574 & 3.769117 & 0.002198\end{array}$ $\begin{array}{llllllllll}1000 & 843.6636 & 0.006927 & 0.055849 & 0.07241 & 0.063077 & 3.607112 & 3.68253 & 0.001427\end{array}$ $\begin{array}{lllllllll}1000 & 805.7752 & 0.008382 & 0.066314 & 0.031675 & 0.056916 & 3.140758 & 3.685913 & 0.001727\end{array}$ $\begin{array}{lllllllll}1000 & 872.5966 & 0.003589 & 0.07632 & 0.056564 & 0.068877 & 3.25273 & 3.405482 & 0.00511 \\ 1000 & 1094.094 & 0.014232 & 0.07559 & 0.093232 & 0.07731 & 3.735111 & 3.52045 & 0.00558\end{array}$ $\begin{array}{lllllllll}1000 & 1094.094 & 0.014232 & 0.075594 & 0.093232 & 0.067318 & 3.735111 & 3.52045 & 0.000588 \\ 1000 & 1136.891 & 0.006728 & 0.070606 & 0.093671 & 0.066265 & 3.353711 & 3.772757 & 0.002211\end{array}$ $\begin{array}{llllllllll}1000 & 643.5551 & 0.003235 & 0.064861 & 0.045898 & 0.053631 & 2.466275 & 2.753502 & 0.004146\end{array}$ $\begin{array}{llllllllll}1000 & 1007.207 & 0.009489 & 0.104798 & 0.101768 & 0.092928 & 3.365738 & 3.481152 & 0.002528\end{array}$ $\begin{array}{llllllllll}1000 & 981.4423 & 0.005573 & 0.081417 & 0.066412 & 0.076956 & 3.78825 & 3.615239 & 0.000662\end{array}$ $\begin{array}{llllllllllllll}1000 & 902.3315 & 0.002563 & 0.070003 & 0.091977 & 0.076141 & 3.140902 & 2.804534 & 0.003079\end{array}$ $\begin{array}{lllllllll}1000 & 932.0316 & 0.00459 & 0.102028 & 0.060143 & 0.110296 & 3.21881 & 3.759883 & 0.005003\end{array}$ $\begin{array}{rrrrrrrr}1000 & 860.124 & 0.007311 & 0.09571 & 0.075124 & 0.071388 & 3.570918 & 3.45387 \\ 1000 & 1039.437 & 0.0001884 & 0.095932 & 0.059 & 0.050909 & 0.07152 & 3.058191\end{array}$ $\begin{array}{lllllllll}1000 & 1039.437 & 0.001884 & 0.095799 & 0.030909 & 0.071252 & 3.958191 & 3.569328 & 0.0073666 \\ 1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774\end{array}$ $\begin{array}{lllllllll}1000 & 861.021 & 0.006699 & 0.056691 & 0.091338 & 0.05486 & 3.506059 & 3.342812 & 0.005774 \\ 1000 & 828.783 & 0.001097 & 0.075206 & 0.057932 & 0.068643 & 3.481892 & 3.233353 & 0.014633\end{array}$ $\begin{array}{llllllll}1000 & 128.7821 & 0.0056 & 0.047063 & 0.025682 & 0.089367 & 3.603593 & 4.031645 \\ 1000 & 1247.822 & 0.017631\end{array}$ $\begin{array}{lllllllllll}1000 & 1013.95 & 0.008459 & 0.059136 & 0.050498 & 0.052941 & 4.676865 & 4.152523 & 0.031187\end{array}$ $\begin{array}{lllllllll}1000 & 898.0917 & 0.008767 & 0.065534 & 0.079227 & 0.060491 & 4.655381 & 4.30596 & 0.021502\end{array}$ $\begin{array}{lllllllll}1000 & 1083.251 & 0.004121 & 0.062631 & 0.060933 & 0.056853 & 4.164407 & 3.759606 & 0.019272\end{array}$ $\begin{array}{llllllllllll}1000 & 823.1413 & 0.005656 & 0.049786 & 0.02715 & 0.044668 & 3.361296 & 3.02752 & 0.018793\end{array}$ $\begin{array}{lllllllllll}1000 & 844.7162 & 0.008494 & 0.053126 & 0.057647 & 0.057584 & 3.7277777 & 3.990325 & 0.021677\end{array}$ $\begin{array}{lllllllll}1000 & 1355.153 & 0.006074 & 0.072735 & 0.083726 & 0.059459 & 4.642025 & 4.456776 & 0.010294\end{array}$ $\begin{array}{lllllllll}1000 & 1038.849 & 0.006568 & 0.063042 & 0.051207 & 0.05379 & 3.845864 & 3.856597 & 0.014046 \\ 1000 & 916.6377 & 0.003637 & 0.04579 & 0.074328 & 0.059461 & 4.432084 & 3.905216 & 0.00713\end{array}$ $\begin{array}{llllllllllll}1000 & 958.7189 & 0.005053 & 0.044903 & 0.023287 & 0.041139 & 2.777737 & 3.01019 & 0.004182\end{array}$ $\begin{array}{llllllllll}1000 & 1016.01 & 0.008067 & 0.068378 & 0.033805 & 0.061769 & 4.005572 & 4.108602 & 0.00607\end{array}$ $\begin{array}{llllllllllll}1000 & 1038.673 & 0.009541 & 0.065047 & 0.050537 & 0.060513 & 4.812117 & 4.194778 & 0.004595\end{array}$


| 10.912 | 103.01 | 166.03 | 117.04 | 195.12 | 8016.69 | 139670.9 | 162.03 | 79.01 | 8 | 96.01 | 5248.14 | 48187.35 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 111.2458 | 170.03 | 148.02 | 111.04 | 140.06 | 6881.4 | 120978 | 176.03 | 84.01 | 23 | 75.01 | 5330.09 | 39947.81 |  |
| 111.5797 | 94.01 | 189.04 | 113.04 | 160.08 | 8205.11 | 106905.4 | 160.03 | 74.01 | 18 | 81.01 | 5260.28 | 44469.92 |  |
| 111.914 | 121.02 | 172.03 | 177.1 | 179.1 | . 25 | 159670.2 | 166.03 | 98.01 | 15 | 85.01 | 83 | 45544.06 |  |
| 112.2478 | 133.02 | 207.04 | 116.04 | 85.11 | 8164.04 | 158706.1 | 174.03 | 102.01 | 14 | 101.01 | 4946.79 | 43993.6 |  |
| 112.5816 | 134.02 | 191.04 | 124.05 | 185.11 | 7731.85 | 119433.4 | 153.03 | 106.01 | 14 | 111.01 | 5412.05 | 46783.14 |  |
| 112.916 | 114.01 | 136.02 | 158.08 | 170.09 | 7007.84 | 118180.9 | 167.03 | 114.01 | 18 | 97.01 | 5228.92 | 44937.84 |  |
| 113.2498 | 78.01 | 171.03 | 117.04 | 187.11 | 9133.6 | 118618.3 | 178.03 | 119.02 | 18 | 92.01 | 4896.25 | 41111.18 |  |
| 113.5836 | 115.01 | 139.02 | 123.05 | 188.11 | 7892.6 | 122290.1 | 180.03 | 110.01 | 9 | 136.02 | 5390.8 | 40042.64 |  |
| 113.91 | 123.02 | 147.02 | 210.14 | 2.08 | 1.7 | 118876 | 185.04 | 129.02 | 13 | 159. | 16.3 | 40847. |  |
| 114.2518 | 118.01 | 139.02 | 153.07 | 182.1 | 9307.43 | 139822.4 | 188.0 | 141.02 | 6 | 136.0 | 4735.56 | 44018.9 |  |
| 114.585 | 119.01 | 158. | 146.07 | 179.1 | 6828.13 | 145393.7 | 145.02 | 159.03 | 8 | 121.02 | 5093.4 | 40110.25 |  |
| 114.9199 | 91.01 | 154.02 | 149.07 | 203.13 | 7781.21 | 135404.5 | 138.02 | 160.03 | 12 | 146.02 | 5156.1 | 47129.38 |  |
| 115.2538 | 108.01 | 136.02 | 135.06 | 189.11 | 7296.63 | 145341.8 | 140.02 | 170.03 | 24 | 122.02 | 4953.87 | 42777.16 |  |
| 115.5876 | 123.02 | 158.03 | 37.06 | 215.15 | 6975.44 | 146561.6 | 163.03 | 156.03 | 26 | 121.02 | 4714.34 | 42006.93 |  |
| 115.9219 | 116.0 | 155.0 | 167.09 | 205.13 | 7208.68 | 135788.7 | 171.03 | 110.01 | 21 | 136.02 | 5828.15 | 41200.78 |  |
| 116.2557 | 110.01 | 129.02 | 156.08 | 185.11 | 8624.85 | 119387.1 | 147.02 | 99.01 | 16 | 95.01 | 4571.89 | 41538.61 |  |
| 116.5896 | 97.01 | 130.02 | 167.09 | 192.12 | 6944.08 | 135200.2 | 169.03 | 120.02 | 22 | 100.01 | 5456.58 | 40771.47 |  |
| 116.9249 | 153.02 | 154.02 | 143.06 | 173.09 | 6931.55 | 105899.4 | 213.05 | 117.01 | 16 | 127.02 | 4679.98 | 45478.98 |  |
| 117.2588 | 118.01 | 123.02 | 163.08 | 217.15 | 7627.92 | 137938.6 | 167.03 | 142.02 | 15 | 129.02 | 5045.87 | 45042.49 |  |
| 117.5926 | 131.02 | 163.03 | 145.07 | 33.17 | 8341.04 | 147298.6 | 142.02 | 137.02 | 17 | 125.02 | 5209.7 | 38158.14 |  |
| 117.9269 | 123.02 | 138.02 | 166.09 | 188.11 | 8837.25 | 115959.1 | 146.02 | 149.02 | 20 | 150.02 | 4653.72 | 41348.36 |  |
| 118.2607 | 125.02 | 125.02 | 180.1 | 179.1 | 7071.62 | 118152.5 | 174.03 | 115.01 | 21 | 94.01 | 4753.74 | 40639.38 |  |
| 118.5946 | 143.02 | 144.02 | 136.06 | 199.13 | 7014.11 | 130211.8 | 170.03 | 120.02 | 26 | 152.03 | 4791.13 | 41305.71 |  |
| 118.9289 | 141.02 | 154.02 | 149.07 | 170.09 | 7956.73 | 123459.2 | 175.03 | 134.02 | 27 | 145.02 | 4621.39 | 45100.88 |  |
| 119.2627 | 1.02 | 130.02 | 178.1 | 0.07 | 8169.3 | 206000.9 | 75.03 | 158.03 | 11 | 149.02 | 5609.42 | 41980.66 |  |
| 119.5965 | 189.04 | 125.02 | 128.05 | 229.17 | 7695.1 | 134846 | 160.03 | 171.03 | 29 | 140.02 | 4966 | 47544.54 |  |
| 119.9309 | 181.03 | 119.01 | 128.05 | 209.14 | 7309.2 | 128876.8 | 164.03 | 152.03 | 33 | 143.02 | 5401.93 | 47834.79 |  |
| 120.2647 | 208.05 | 123.02 | 140.06 | 218.15 | 8219.85 | 127136.3 | 166.03 | 135.02 | 25 | 121.02 | 5782.57 | 43207.19 |  |
| 120.5985 | 207.04 | 131.02 | 133.06 | 173.09 | 6758.19 | 134596.4 | 146.02 | 119.02 | 18 | 137.02 | 5258.26 | 43263.17 |  |
| 120.9329 | 209.05 | 142.02 | 128.05 | 196.12 | 7746.55 | 138418.3 | 157.03 | 127.02 | 22 | 145.0 | 4756.7 | 42489.96 |  |
| 121.2667 | 224.05 | 153.02 | 167.09 | 5.28 | 7624.77 | 122400.2 | 79.03 | 44.02 | 27 | 151.0 | 5214.7 | 48129.68 |  |
| 121.6005 | 227.05 | 106.01 | 183.11 | 186.11 | 8657.59 | 121692 | 154.03 | 157.03 | 23 | 166.03 | 5476.82 | 43681.56 |  |
| 121.9348 | 169.03 | 166.03 | 158.08 | 211.14 | 8722.03 | 145593.1 | 140.02 | 178.03 | 19 | 177.03 | 5769.41 | 45257.38 |  |
| 122.2687 | 169.03 | 138.02 | 168.09 | 204.13 | 8280.96 | 146165.6 | 169.03 | 224.05 | 27 | 190.04 | 6717.3 | 49203.21 |  |
| 122.6025 | 212.05 | 136.02 | 176.1 | 195.12 | 8124.03 | 149994.3 | 159.03 | 215.05 | 44 | 204.05 | 5299.74 | 43068.93 |  |
| 122.9368 | 155.03 | 128.02 | 174.1 | 254.2 | 7907.32 | 132814.5 | 181.0 | 225.05 | 33 | 196. | 5112.61 | 47200.21 |  |
| 123.2707 | 164.03 | 155.03 | 126.05 | 34.17 | 8534.06 | 124005.4 | 167.03 | 209.05 | 27 | 188.0 | 5854.49 | 40740.9 |  |
| 123.605 | 108.01 | 130.02 | 199.13 | 227.16 | 7849.5 | 113768.8 | 196.04 | 282.09 | 31 | 207.05 | 5998.34 | 48019.91 |  |
| 123.9388 | 134.02 | 163.03 | 188.11 | 275.24 | 8137.72 | 131651.1 | 239.06 | 239.06 | 45 | 210.05 | 5678.27 | 44916.91 |  |
| 124.2726 | 149.02 | 140.02 | 142.06 | 207.14 | 8393.75 | 125694.7 | 195.04 | 208.05 | 44 | 169.03 | 5542.61 | 49649.09 |  |
| 124.607 | 129.02 | 139.02 | 200.13 | 203.13 | 9153.73 | 170036.9 | 226.06 | 209.05 | 40 | 185.04 | 5099.46 | 43419.06 |  |
| 124.9418 | 117.01 | 154.02 | 199.13 | 248.19 | 8132.45 | 134296.6 | 236.06 | 201.04 | 39 | 190.0 | 5481.88 | 45281.63 |  |
| 125.2757 | 148.02 | 130.02 | 218.15 | 270.23 | 7857.9 | 113314.9 | 255.07 | 221.05 | 29 | 183.04 | 5401.93 | 47630.93 |  |
| 125.61 | 146.02 | 137.02 | 177.1 | 292.27 | 7630.01 | 130716.1 | 215.05 | 202.04 | 35 | 180.04 | 5585.13 | 44630.61 |  |
| 125.9438 | 118.01 | 165.03 | 219.15 | 204.13 | 7383.58 | 128576 | 236.06 | 214.05 | 50 | 157.03 | 5782.57 | 49154.3 |  |
| 126.2776 | 142.02 | 123.02 | 190.11 | 215.15 | 6528.72 | 126516.8 | 216.05 | 183.04 | 21 | 165.03 | 5682.32 | 40495.3 |  |
| 126.612 | 136.02 | 144.02 | 126.05 | 206.13 | 7564.96 | 111027 | 228.06 | 160.03 | 36 | 169.03 | 5253.2 | 46077.06 |  |
| 126.9458 | 114.01 | 150.02 | 145.07 | 263.22 | 8211.43 | 135761 | 247.07 | 184.04 | 20 | 167.03 | 5037.78 | 42595.16 |  |
| 127.2796 | 125.02 | 147.02 | 185.11 | 227.16 | 9413.51 | 119914.5 | 213.05 | 157.03 | 23 | 155.03 | 5247.13 | 43167.68 |  |
| 127.614 | 135.02 | 149.02 | 161.08 | 262.22 | 7821.13 | 136845.4 | 219.05 | 138.02 | 28 | 160.03 | 5701.56 | 46422.79 |  |
| 127.9478 | 125.02 | 133.02 | 165.09 | 191.12 | 7218.1 | 135168.7 | 255.07 | 143.02 | 27 | 145.02 | 5144.97 | 45565.01 |  |
| 128.2816 | 146.02 | 146.02 | 143.06 | 198.12 | 7447.51 | 141243.3 | 201.04 | 125.02 | 36 | 122.02 | 5229.93 | 41493.77 |  |
| 128.6159 | 160.03 | 119.01 | 194.12 | 174.1 | 7100.91 | 148006.7 | 187.04 | 151.02 | 27 | 142.02 | 4885.13 | 43501.41 |  |
| 128.9498 | 144.02 | 142.02 | 158.08 | 282.25 | 8255.67 | 129921.3 | 177.03 | 157.03 | 24 | 121.02 | 4832.57 | 38475.32 |  |
| 129.2836 | 158.03 | 92.01 | 111.04 | 190.11 | 7337.48 | 135638.7 | 174.03 | 177.03 | 26 | 126.02 | 4831.56 | 43278.54 |  |
| 129.6179 | 118.01 | 177.03 | 138.06 | 174.1 | 7180.42 | 113730.3 | 200.04 | 170.03 | 28 | 128.02 | 5039.8 | 42904.38 |  |
| 129.9517 | 132.02 | 132.02 | 166.09 | 216.15 | 7365.77 | 111272.6 | 160.03 | 163.03 | 23 | 170.03 | 4822.46 | 41918.2 |  |
| 130.2856 | 149.02 | 139.02 | 150.07 | 8.12 | 7538.74 | 111044.7 | 173.03 | 161.03 | 23 | 151.02 | 4991.27 | 47995.52 |  |
| 130.6199 | 99.01 | 146.02 | 175.1 | 202.13 | 7203.45 | 123824.4 | 162.03 | 163.03 | 23 | 108.01 | 4909.39 | 44482.02 |  |
| 130.9537 | 114.01 | 126.02 | 141.06 | 180.1 | 7384.63 | 111506.3 | 183.04 | 146.02 | 11 | 105.01 | 4980.15 | 41936.87 |  |
| 131.2876 | 99.01 | 155.03 | 130.05 | 176.1 | 9568.53 | 132619.8 | 157.03 | 102.01 | 15 | 123.02 | 5073.17 | 41740.98 |  |
| 131.6219 | 99.01 | 126.02 | 109.04 | 179.1 | 8648.09 | 138957.8 | 171.03 | 111.01 | 10 | 108.01 | 5136.88 | 43933.2 |  |
| 131.9557 | 111.01 | 131.02 | 124.05 | 146.07 | 7815.8 | 113781 | 161.03 | 89.01 | 12 | 94.01 | 6895.95 | 47109.46 |  |

$0.0536820 .360345 \quad 0.3086690 .368069$ $\begin{array}{llll}0.145371 & 0.367326 & 0.340874 & 0.288409\end{array}$ $\begin{array}{llllll}0.043121 & 0.408302 & 0.291106 & 0.284683\end{array}$ $\begin{array}{llllll}0.075184 & 0.38771 & 0.485077 & 0.343968\end{array}$ $\begin{array}{lllll}0.083974 & 0.454568 & 0.300465 & 0.339911 \\ 0.089769 & 0.438487 & 0.339521 & 0.358915\end{array}$ $\begin{array}{llll}0.089769 & 0.438487 & 0.339521 & 0.358915 \\ 0.074762 & 0.326358 & 0.478932 & 0.358397\end{array}$ $\begin{array}{lllll}0.023839 & 0.3227248 & 0.478932 & 0.350916 & 0.307663\end{array}$ $\begin{array}{llllll}0.067457 & 0.297387 & 0.329882 & 0.358273\end{array}$ $\begin{array}{llllll}0.06949 & 0.290165 & 0.517778 & 0.274356\end{array}$
 $\begin{array}{llllll}0.042192 & 0.340302 & 0.406444 & 0.397273\end{array}$ $\begin{array}{llllllll}0.064809 & 0.313438 & 0.392194 & 0.389948\end{array}$ $\begin{array}{llllllll}0.086095 & 0.39115 & 0.416417 & 0.473413\end{array}$ $\begin{array}{lllll}0.075038 & 0.370146 & 0.492437 & 0.433701\end{array}$ $\begin{array}{llll}0.056798 & 0.248885 & 0.38414 & 0.321746 \\ & 054628 & 0.312029 & 0.511206\end{array}$ $\begin{array}{llll}0.054628 & 0.312029 & 0.511206 & 0.417356 \\ 0.123449 & 0.382026 & 0.437651 & 0.369937\end{array}$ $\begin{array}{llllllll}0.073143 & 0.265647 & 0.454072 & 0.437509\end{array}$ $\begin{array}{lllll}0.080153 & 0.339117 & 0.368857 & 0.433796\end{array}$ $\begin{array}{llllll}0.067953 & 0.263323 & 0.399239 & 0.319968\end{array}$ $0.0873290 .2922210 .541509 \quad 0.37752$ $\begin{array}{lllll}0.10987 & 0.348939 & 0.411058 & 0.430725\end{array}$ 0.0947130 .3327930 .3974770 .315646 $\begin{array}{lllll}0.102539 & 0.265221 & 0.46347 & 0.264431 \\ 0.151005 & 0.268539 & 0.35231 & 0.461097\end{array}$ $0.14966 \quad 0.266232 \quad 0.370915 \quad 0.437362$ $\begin{array}{lllll}0.161031 & 0.246513 & 0.361202 & 0.408131\end{array}$ $\begin{array}{lllll}0.194597 & 0.323581 & 0.417091 & 0.379429\end{array}$ $\begin{array}{llllll}0.17197 & 0.310761 & 0.349969 & 0.383172\end{array}$ $\begin{array}{llll}0.191448 & 0.344655 & 0.465558 & 0.617488\end{array}$ $\begin{array}{lllll}0.171551 & 0.194649 & 0.449759 & 0.322556\end{array}$ $\begin{array}{llll}0.113712 & 0.331198 & 0.384785 & 0.370525 \\ 0.11977 & 0.281016 & 0.431253 & 0.375411\end{array}$ $\begin{array}{llllll}0.167118 & 0.281509 & 0.460767 & 0.363205\end{array}$ $\begin{array}{llllll}0.110373 & 0.268938 & 0.467964 & 0.504261\end{array}$ $\begin{array}{llllllll}0.111235 & 0.312648 & 0.312633 & 0.426038\end{array}$ $\begin{array}{llllllll}0.060243 & 0.276029 & 0.539916 & 0.447532\end{array}$ $\begin{array}{llll}0.085291 & 0.347592 & 0.491697 & 0.535347\end{array}$ $\begin{array}{llll}0.097887 & 0.282017 & 0.358836 & 0.376658\end{array}$ $\begin{array}{llll}0.071177 & 0.256408 & 0.46532 & 0.337694\end{array}$ $01034810275733 \quad 0591338 \quad 0.543227$ $\begin{array}{lllll}0.104343 & 0.302368 & 0.493423 & 0.610142\end{array}$ $\begin{array}{llllll}0.075564 & 0.388534 & 0.632245 & 0.421049\end{array}$ 0.1167380 .3103840 .6194910 .005814 $\begin{array}{lllllllll}0.093999 & 0.323524 & 0.352692 & 0.41559\end{array}$ $\begin{array}{llll}0.063801 & 0.3127 & 0.37468 & 0.504856\end{array}$ $\begin{array}{llll}0.065599 & 0.266371 & 0.4182 & 0.373162\end{array}$ 0.085320 .3257450 .4373590 .527812 $\begin{array}{lllll}106901 & 0.334013 & 0.407324 & 0.403274\end{array}$ $\begin{array}{lllll}0.1289 & 0.274043 & 0.581692 & 0.363607\end{array}$ 0.0943740 .2915930 .4065270 .542596 $\begin{array}{llllllllll} & 0.122424 & 0.191416 & 0.319681 & 0.390167\end{array}$ $\begin{array}{lllll}0.077702 & 0.433043 & 0.407519 & 0.35958\end{array}$ $\begin{array}{lllll}0.091923 & 0.299606 & 0.479016 & 0.450701\end{array}$ $\begin{array}{lllll}0.45991 & 0.31135 & 0.42237 & 0.398392\end{array}$ $\begin{array}{lllllll}0.070947 & 0.282547 & 0.404974 & 0.363891\end{array}$ $\begin{array}{llllll}0.041419 & 0.278841 & 0.287808 & 0.273487\end{array}$ $\begin{array}{llllll}0.045829 & 0.24126 & 0.266255 & 0.308687\end{array}$ $\begin{array}{llllll}0.063767 & 0.279782 & 0.335869 & 0.267411\end{array}$

$\begin{array}{llllllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786\end{array}$ $\begin{array}{lllllllll}1000 & 1021.544 & 0.003059 & 0.056079 & 0.030582 & 0.059591 & 3.727627 & 4.084734 & 0.007786 \\ 1000 & 1030.703 & 0.005724 & 0.069542 & 0.111281 & 0.046729 & 4.411835 & 3.945086 & 0.005952 \\ 100 & 763.7365 & 0.00273 & 0.051261 & 0.072176 & 0.04627 & 3.550583 & 3.38027 & 0.00686\end{array}$ $\begin{array}{lllllllll}1000 & 1206.393 & 0.003706 & 0.0572105 & 0.072176 & 0.044628 & 0.6505058 & 3.683027 & 0.00686 \\ 10.051013 & 3.829933 & 3.987757 & 0.004487\end{array}$ $\begin{array}{lllllllll}1000 & 1139.93 & 0.004564 & 0.071385 & 0.055535 & 0.051013 & 0.82639933 & 3.987757 & 0.004487 \\ 10.446269 & 3.661917 & 0.003515\end{array}$ $\begin{array}{llllllll}1000 & 905.5828 & 0.001935 & 0.078373 & 0.05864 & 0.076215 & 3.987927 & 4.11183 \\ 0.002918\end{array}$ $\begin{array}{lllllllll}1000 & 988.6773 & 0.004257 & 0.093085 & 0.08451 & 0.069234 & 4.248488 & 4.3578 & 0.006282 \\ 1000 & 7613368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 761.3368 & 0.004544 & 0.074593 & 0.064837 & 0.049046 & 3.048276 & 3.058656 & 0.006162\end{array}$ $\begin{array}{lllllllll}1000 & 908.375 & 0.005528 & 0.079712 & 0.03546 & 0.098228 & 3.891071 & 3.447692 & 0.011792\end{array}$ $\begin{array}{lllllllll}1000 & 886.428 & 0.005664 & 0.085542 & 0.048449 & 0.109513 & 3.101087 & 3.212075 & 0.007577 \\ 1080.8056 & 0.005601 & 0.08689 & 0.018883 & 0.083294 & 2.891213 & 3.21382 & 0.0044\end{array}$ $\begin{array}{lllllllll}1000 & 1248.595 & 0.000946 & 0.133727 & 0.086735 & 0.097208 & 4.245227 & 3.992039 & 0.006896\end{array}$ $\begin{array}{llllllllll}1000 & 1020.289 & -0.00013 & 0.118088 & 0.049348 & 0.109192 & 3.771862 & 4.11598 & 0.005264\end{array}$ $\begin{array}{llllllllllll}1000 & 1167.989 & 0.000158 & 0.133871 & 0.109703 & 0.091984 & 3.861684 & 3.984044 & 0.003093\end{array}$ $\begin{array}{llllllllll}1000 & 1232.046 & 0.003667 & 0.128411 & 0.124706 & 0.095154 & 3.840393 & 4.092499 & 0.004114\end{array}$ $\begin{array}{lllllllll}1000 & 1104.47 & 0.004727 & 0.087276 & 0.096598 & 0.10755 & 4.612181 & 3.884053 & 0.005682 \\ 1000 & 811.466 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.01025 & 327279 & 0.003682\end{array}$ $\begin{array}{lllllllll}1000 & 811.486 & 0.000995 & 0.065555 & 0.060615 & 0.054526 & 3.010025 & 3.27279 & 0.003682 \\ 1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574\end{array}$ $\begin{array}{lllllllll}1000 & 1141.593 & 0.004601 & 0.098953 & 0.105278 & 0.073082 & 4.477643 & 3.990075 & 0.004574 \\ 1000 & 895.5792 & 0.011353 & 0.096616 & 0.075427 & 0.102195 & 3.835968 & 4.45883 & 0.006351\end{array}$ $\begin{array}{llllllllll}1000 & 1060.293 & 0.00391 & 0.106786 & 0.063989 & 0.094813 & 3.763873 & 4.012791 & 0.006575\end{array}$ $\begin{array}{llllllllll}1000 & 1035.477 & 0.000392 & 0.094182 & 0.066839 & 0.083139 & 3.555916 & 3.108759 & 0.00785\end{array}$ $\begin{array}{lllllllllll}1000 & 769.2149 & 0.000851 & 0.096758 & 0.074866 & 0.099507 & 2.991364 & 3.179485 & 0.007409\end{array}$ $\begin{array}{lllllllll}1000 & 979.5221 & 0.005269 & 0.093064 & 0.098471 & 0.065454 & 3.82046 & 3.9054 & 0.005792\end{array}$ | 1000 | 1088.455 | 0.004707 | 0.097965 | 0.124019 | 0.12751 | 3.882708 | 4.00199 | 0.007588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 909.675 & 0.004816 & 0.096548 & 0.1113685 & 0.105878 & 3.29891 & 3.851913 & 0.005148\end{array}$ $\begin{array}{lllllllll}1000 & 1478.939 & 0.004691 & 0.111059 & 0.042755 & 0.106735 & 3.914445 & 3.492105 & 0.00689 \\ 1000 & 1027.449 & 0.00291 & 0.12769 & 0.126571 & 0.104616 & 3.670812 & 4.198713 & 0.008908\end{array}$ $\begin{array}{lllllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 & 0.004765\end{array}$ $\begin{array}{llllllll}1000 & 1033.782 & 0.003645 & 0.119376 & 0.152248 & 0.113193 & 4.210553 & 4.447431 \\ 1000 & 906.8016 & 0.0035 & 0.094162 & 0.101601 & 0.080746 & 4.012529 & 3.572027 \\ 0.007593\end{array}$ $\left.\begin{array}{llllllll}1000 & 1167.758 & 0.001113 & 0.100818 & 0.087633 & 0.08115821 & 4.430648 & 4.350418\end{array}\right) .0005607$ $\begin{array}{lllllllll}1000 & 1047.686 & 0.00248 & 0.093934 & 0.09437 & 0.108721 & 3.489795 & 3.727402 & 0.0054496\end{array}$ $\begin{array}{lllllllll}1000 & 941.1382 & 0.005583 & 0.108349 & 0.118635 & 0.11631 & 3.893886 & 4.289603 & 0.0097994 \\ 1000 & 824.0397 & 0.001851 & 0.104125 & 0.088446 & 0.115325 & 3.60483 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 824.0397 & 0.001851 & 0.104125 & 0.0888446 & 0.115325 & 3.604803 & 3.428617 & 0.007917\end{array}$ $\begin{array}{lllllllll}1000 & 978.7613 & 0.000132 & 0.117302 & 0.071876 & 0.123852 & 3.772706 & 3.526057 & 0.00575 \\ 1000 & 1034.962 & 0.003858 & 0.155741 & 0.109233 & 0.142134 & 4.637519 & 4.037715 & 0.006427\end{array}$ $\begin{array}{llllllllll}1000 & 1082.615 & 0.002626 & 0.152333 & 0.183965 & 0.157705 & 3.715198 & 3.602601 & 0.006928\end{array}$ $\begin{array}{lllllllllll}1000 & 984.7912 & 0.005653 & 0.163834 & 0.140729 & 0.154494 & 3.679797 & 4.056408 & 0.007893\end{array}$ $\begin{array}{llllllllll}1000 & 851.878 & 0.003495 & 0.14094 & 0.105992 & 0.136175 & 3.913636 & 3.244094 & 0.011265\end{array}$ $\begin{array}{lllllllll}1000 & 849.6564 & 0.007724 & 0.207133 & 0.132923 & 0.166064 & 4.361304 & 4.157261 & 0.0142\end{array}$ $\begin{array}{lllllllll}1000 & 948.5133 & 0.013063 & 0.169167 & 0.18792 & 0.162923 & 3.978705 & 3.750861 & 0.010683\end{array}$ $\begin{array}{llllllllll}1000 & 877.9314 & 0.007097 & 0.142606 & 0.178052 & 0.121609 & 3.763591 & 4.019546 & 0.009999\end{array}$ $\begin{array}{lllllllll}1000 & 1089.298 & 0.010105 & 0.131397 & 0.148102 & 0.124517 & 3.170311 & 3.223259 & 0.011841 \\ 1000 & 968.2181 & 0.01268 & 0.142196 & 0.162437 & 0.14473 & 3.841237 & 3.783769 & 0.012952\end{array}$ $\begin{array}{lllllllllll}1000 & 845.25571 & 0.015692 & 0.161916 & 0.123948 & 0.143163 & 3.916467 & 4.11917 & 0.008723\end{array}$ $\begin{array}{lllllllll}1000 & 1004.452 & 0.010592 & 0.152322 & 0.154942 & 0.144516 & 4.172721 & 3.975007 & 0.006573\end{array}$ $\begin{array}{llllllllll}1000 & 1020.974 & 0.013967 & 0.166828 & 0.23062 & 0.126164 & 4.467101 & 4.524065 & 0.011359\end{array}$ $\begin{array}{lllllllll}1000 & 1136.185 & 0.012542 & 0.161165 & 0.106662 & 0.151801 & 4.963122 & 4.215248 & 0.006743\end{array}$ $\begin{array}{llllllllll}1000 & 860.3527 & 0.012509 & 0.121465 & 0.160862 & 0.134935 & 3.954148 & 4.139133 & 0.006225\end{array}$ $\begin{array}{lllllllll}1000 & 969.3694 & 0.013982 & 0.128837 & 0.088573 & 0.122498 & 3.490637 & 3.52504 & 0.003868\end{array}$ $\begin{array}{lllllllll}1000 & 746.7746 & 0.008359 & 0.095762 & 0.081342 & 0.097373 & 3.173777 & 3.116145 & 0.005653\end{array}$ $\begin{array}{lllllllll}1000 & 1025.892 & 0.010876 & 0.101185 & 0.120094 & 0.121956 & 4.157065 & 4.033571 & 0.005237 \\ 1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 & 0.00525\end{array}$ $\begin{array}{llllllll}1000 & 1097.988 & 0.017083 & 0.113653 & 0.125321 & 0.116683 & 4.05725 & 4.289876 \\ 1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 0.003442\end{array}$ $\begin{array}{rlllllll}1000 & 1112.025 & 0.008854 & 0.096151 & 0.1634 & 0.09012 & 3.998401 & 3.786202 \\ 10.003442 \\ 1000 & 1222.215 & 0.007193 & 0.122055 & 0.12739 & 0.115467 & 3.912007 & 4.163196\end{array}$ $\begin{array}{lllllllll}1000 & 922.6626 & 0.004899 & 0.109195 & 0.096956 & 0.080395 & 3.327776 & 3.167022 & 0.005332\end{array}$ | 1000 | 1083.879 | 0.005078 | 0.138652 | 0.118552 | 0.095526 | 3.743507 | 4.008295 | 0.006 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 928.534 & 0.009036 & 0.136039 & 0.130812 & 0.099687 & 3.993602 & 4.060579 & 0.008266\end{array}$ $\begin{array}{lllllllll}1000 & 885.5814 & 0.003041 & 0.12711 & 0.103961 & 0.139594 & 3.721961 & 3.867395 & 0.010138\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 863.4832 & 0.004802 & 0.122656 & 0.101575 & 0.117638 & 3.766406 & 4.326472 & 0.00584 \\ 1000 & 1007.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 10077.8 & 0.003404 & 0.129975 & 0.106304 & 0.07871 & 3.875838 & 4.196431 & 0.003984 \\ 1000 & 885.1764 & 0.006341 & 0.113442 & 0.047299 & 0.073757 & 3.836293 & 3.859227 & 0.002641\end{array}$ $\begin{array}{lllllllll}1000 & 812.5939 & 0.002008 & 0.060905 & 0.051009 & 0.070917 & 3.016918 & 2.964329 & 0.002679\end{array}$ $\begin{array}{lllllllllll}1000 & 942.1062 & 0.00394 & 0.073417 & 0.036375 & 0.065559 & 3.380806 & 3.452158 & 0.005445\end{array}$ $\begin{array}{llllllll}1000 & 853.4041 & 0.003001 & 0.064931 & 0.049129 & 0.05922 & 5.046094 & 4.095986\end{array} 0.002887$


$0.044437 \quad 0.312571 \quad 0.3427810 .308624$ $\begin{array}{llll}0.046762 & 0.336857 & 0.370035 & 0.340106 \\ 0.068011 & 0.326076 & 0.3969 & 0.52308\end{array}$ $\begin{array}{lllll}0.056868 & 0.342325 & 0.41955 & 0.330288\end{array}$ $\begin{array}{lllllll}0.078507 & 0.267993 & 0.465506 & 0.383965\end{array}$ $\begin{array}{llllll}0.074248 & 0.277665 & 0.365257 & 0.264165\end{array}$ $\begin{array}{lllll}0.087761 & 0.317996 & 0.424742 & 0.470755\end{array}$ $\begin{array}{llll}0.059405 & 0.282427 & 0.468836 & 0.42556\end{array}$ $\begin{array}{llll}0.046608 & 0.266311 & 0.351871 & 0.356288 \\ 0.051645 & 0.316809 & 0.524103 & 0.406413\end{array}$ $\begin{array}{lllll}0.065676 & 0.387286 & 0.445211 & 0.500101\end{array}$ $\begin{array}{llllll}0.082519 & 0.344969 & 0.397571 & 0.513949\end{array}$ $\begin{array}{llllll}0.108877 & 0.367639 & 0.382537 & 0.708788\end{array}$ $\begin{array}{lllll}0.089773 & 0.322717 & 0.456213 & 0.468827\end{array}$ 0.0665620 .3295210 .5005860 .677443 $\begin{array}{llll}0.072219 & 0.297353 & 0.567465 & 0.38169\end{array}$ $\begin{array}{llll}0.08197 & 0.334285 & 0.572469 & 0.524167 \\ 0.107833\end{array}$ $\begin{array}{llll}0.10883 & 0.422019 & 0.598455 & 0.517814 \\ 0.048601 & 0.404893 & 0.56953 & 0.693092\end{array}$ $\begin{array}{llll}0.058346 & 0.291126 & 0.48466 & 0.418928\end{array}$ $\begin{array}{llll}0.050163 & 0.257065 & 0.567555 & 0.400535\end{array}$ $\begin{array}{llllll}0.094217 & 0.293535 & 0.455265 & 0.65651\end{array}$ $\begin{array}{lllll}0.071373 & 0.413759 & 0.733668 & 0.504353\end{array}$ $\begin{array}{lllll}0.069974 & 0.325375 & 0.57928 & 0.443203\end{array}$ $\begin{array}{llll}0.092585 & 0.294887 & 0.786703 & 0.463063\end{array}$ $\begin{array}{llll}0.076388 & 0.195029 & 0.507872 & 0.4513 \\ 0.108478 & 0.391038 & 0.697866 & 0.520909\end{array}$ $\begin{array}{llll}0.078621 & 0.416351 & 0.454281 & 0.578721\end{array}$ $\begin{array}{llllll}0.084047 & 0.327839 & 0.551684 & 0.541032\end{array}$ $\begin{array}{lllll}0.090689 & 0.344969 & 0.768355 & 0.718153\end{array}$ $\begin{array}{llll}0.085384 & 0.29482 & 0.750217 & 0.409055\end{array}$ $\begin{array}{lllll}0.073679 & 0.263221 & 0.579498 & 0.62424\end{array}$ $\begin{array}{llll}0.073099 & 0.320249 & 0.635172 & 0.417421\end{array}$ $\begin{array}{llrr}0.053004 & 0.298549 & 0.55278 & 0.553536 \\ 0.144452 & 0.399464 & 0.750494 & 0.646404\end{array}$ $\begin{array}{llll}0.144452 & 0.399464 & 0.750494 & 0.645404 \\ 0.147509 & 0.283438 & 0.542936 & 0.647094\end{array}$ $\begin{array}{lllll}0.123596 & 0.883438 & 0.542936 & 0.647094 \\ 0.624061 & 0.618997\end{array}$ $\begin{array}{lllll}0.079763 & 0.195689 & 0.486438 & 0.749942\end{array}$ $\begin{array}{lllll}0.123407 & 0.349928 & 0.458067 & 0.532548\end{array}$ $\begin{array}{lllll}0.087468 & 0.384601 & 0.45797 & 0.778764\end{array}$ $\begin{array}{llll}0.137182 & 0.330022 & 0.623682 & 0.826923\end{array}$ $\begin{array}{llll}0.104886 & 0.367212 & 0.947521 & 0.802826 \\ 0.1368\end{array}$ $\begin{array}{lllll}0.114237 & 0.277753 & 1.077965 & 0.422333 \\ 0\end{array}$ $\begin{array}{lllll}0.145731 & 0.306307 & 0.579653 & 0.759567\end{array}$ $\begin{array}{lllll}0.106197 & 0.323544 & 0.753855 & 0.664579\end{array}$ $\begin{array}{llllll}0.084714 & 0.292601 & 0.715029 & 0.664531\end{array}$ 0.0878470 .3046850 .7324390 .751661 $\begin{array}{llll}0.100183 & 0.266213 & 0.820922 & 0.675898\end{array}$ $\begin{array}{llll}0.081279 & 0.38997 & 0.949931 & 0.903547\end{array}$ $\begin{array}{llll}0.106233 & 0.302203 & 0.554148 & 0.747692 \\ 0\end{array}$ $\begin{array}{llll}0.113736 & 0.314435 & 0.756194 & 0.6886429\end{array}$ 0.1505040 .3406050 .8156540 .870402 $\begin{array}{llllll}0.127428 & 0.304201 & 0.691778 & 0.68899\end{array}$ $\begin{array}{lllllll}0.178187 & 0.359958 & 0.820624 & 0.721558\end{array}$ $\begin{array}{lllll}0.093498 & 0.339944 & 0.966806 & 0.850388\end{array}$ $\begin{array}{llll}0.193156 & 0.421763 & 1.188669 & 0.876418\end{array}$ $\begin{array}{llll}0.137766 & 0.333697 & 0.651909 & 0.709143 \\ 0.134618 & 0.270548 & 0.698365 & 0.635313\end{array}$ $\begin{array}{lllll}0.134618 & 0.270548 & 0.698365 & 0.635313 \\ 0.139768 & 0.38192 & 0.725671 & 0.63301\end{array}$ $\begin{array}{lllll}0.135768 & 0.38192 & 0.725671 & 0.63301 \\ 0.168121 & 0.36959 & 1.063112 & 1.243994\end{array}$ $\begin{array}{lllll}0.089243 & 0.260714 & 0.65309 & 0.663478\end{array}$ 0.1056030 .4238720 .8301331 .209013
$\begin{array}{lllllllllllllllllllll}1000 & 840.3494 & 0.000383 & 0.057415 & 0.065311 & 0.041154 & 3.623085 & 3.701606 & 0.02284\end{array}$ $\begin{array}{llllllll}1000 & 1061.045 & 0.003464 & 0.071077 & 0.066098 & 0.080807 & 4.369445 & 3.86114\end{array} 0.00032056$ $\begin{array}{lllllllll}1000 & 915.0597 & 0.00626 & 0.074844 & 0.058606 & 0.083265 & 3.64233 & 4.01798 & 0.004182 \\ 1000 & 805.2487 & 0.006299 & 0.073032 & 0.072776 & 0.078774 & 3.965154 & 4.079849 & 0.00511\end{array}$ $\begin{array}{llllllllll}1000 & 784.7264 & 0.005287 & 0.081616 & 0.038562 & 0.051922 & 3.565576 & 3.521751 & 0.002491\end{array}$ $\begin{array}{llllllllll}1000 & 756.2541 & 0.006085 & 0.069283 & 0.064254 & 0.052317 & 3.554549 & 3.031669 & 0.004628\end{array}$ $\begin{array}{lllllllll}1000 & 1049.136 & 0.00736 & 0.10402 & 0.105341 & 0.0838843 & 4.595381 & 4.58908 & 0.008994\end{array}$ $\begin{array}{lllllllll}1000 & 1161.497 & 0.009502 & 0.118106 & 0.084861 & 0.086822 & 5.308292 & 4.725501 & 0.0004299 \\ 1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3257185 & 3833038 & 0.005326\end{array}$ $\begin{array}{lllllllll}1000 & 821.0705 & 0.004973 & 0.077279 & 0.088695 & 0.062583 & 3.257185 & 3.843038 & 0.005326 \\ 1000 & 915.8291 & 0.007943 & 0.06993 & 0.080999 & 0.09036 & 3.835892 & 4.223846 & 0.008767\end{array}$ $\begin{array}{lllllllll}1000 & 915.8255 & 0.007943 & 0.06993 & 0.080999 & 0.09076 & 3.835892 & 4.223846 & 0.008767 \\ 1000 & 976.8455 & 0.006504 & 0.101866 & 0.111171 & 0.079777 & 4.056693 & 4.131008 & 0.006966\end{array}$ $\begin{array}{llllllllll}1000 & 971.1109 & 0.005599 & 0.08445 & 0.089356 & 0.116674 & 3.899515 & 4.132749 & 0.005256\end{array}$ $\begin{array}{lllllllllll}1000 & 973.9524 & -0.00144 & 0.086831 & 0.099975 & 0.109076 & 4.746058 & 4.634094 & 0.005601\end{array}$ $\begin{array}{llllllllll}1000 & 871.2542 & 0.005707 & 0.081617 & 0.084865 & 0.091767 & 3.795049 & 3.931069 & 0.007233\end{array}$ $\begin{array}{lllllllllll}1000 & 769.8815 & 0.004008 & 0.094897 & 0.095265 & 0.08589 & 3.483721 & 3.731971 & 0.007819\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1087.01 & 0.009351 & 0.105956 & 0.087468 & 0.09178 & 3.881985 & 4.113441 & 0.007455 \\ 1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 914.7769 & 0.006461 & 0.106718 & 0.063052 & 0.089581 & 4.657673 & 4.382234 & 0.008459 \\ 1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184\end{array}$ $\begin{array}{lllllllll}1000 & 983.8759 & 0.010303 & 0.113537 & 0.144407 & 0.118623 & 4.066938 & 4.661803 & 0.011184 \\ 1000 & 1585.812 & 0.006972 & 0.109793 & 0.06852 & 0.112331 & 4.166565 & 4.054399 & 0.009787\end{array}$ $\begin{array}{lllllllllll}1000 & 669.7533 & 0.003889 & 0.090898 & 0.116451 & 0.105854 & 2.96478 & 3.005759 & 0.005712\end{array}$ $\begin{array}{lllllllll}1000 & 722.1542 & 0.006213 & 0.085484 & 0.062338 & 0.05342 & 3.380033 & 3.485522 & 0.006747\end{array}$ $\begin{array}{llllllll}1000 & 1017.45 & 0.005019 & 0.101303 & 0.063221 & 0.101846 & 4.198801 & 4.232066 \\ 0.0066436\end{array}$ $\begin{array}{lllllllll}1000 & 906.6995 & 0.006856 & 0.09953 & 0.106006 & 0.069929 & 3.702846 & 3.632989 & 0.010907\end{array}$ $\begin{array}{lllllllll}1000 & 861.3421 & 0.005527 & 0.084509 & 0.066461 & 0.069574 & 3.752558 & 3.261971 & 0.008241 \\ 1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.833342 & 3.956222 & 3.876826 & 0.007955\end{array}$ $\begin{array}{llllllll}1000 & 1117.045 & 0.005818 & 0.097547 & 0.093026 & 0.083342 & 3.956222 & 3.876826 \\ 10.007955 \\ 1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3567666\end{array}$ $\begin{array}{lllllllll}1000 & 1066.045 & 0.006034 & 0.089574 & 0.080586 & 0.084558 & 3.503866 & 3.567666 & 0.005449 \\ 1000 & 1259.153 & 0.004301 & 0.085981 & 0.087286 & 0.094481 & 3.458067 & 4.621623 & 0.015092\end{array}$ $\begin{array}{lllllllllllll}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 & 0.007901\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1058.164 & 0.00706 & 0.082212 & 0.067272 & 0.104318 & 3.436044 & 3.779284 \\ 1000 & 985.29 & 0.007489 & 0.103127 & 0.12244 & 0.07221 & 3.652008 & 4.124948 \\ 0.010544\end{array}$ $\begin{array}{lllllllll}1000 & 1271.157 & 0.006054 & 0.102386 & 0.078339 & 0.087798 & 4.565835 & 4.936716 & 0.006229\end{array}$ $\begin{array}{lllllllll}1000 & 889.0004 & 0.005434 & 0.082683 & 0.082401 & 0.0877293 & 3.660402 & 4.141533 & 0.0093\end{array}$ $\begin{array}{llllllll}1000 & 827.6853 & 0.006054 & 0.07305 & 0.044586 & 0.059788 & 3.706969 & 3.819392\end{array} 0.0058233$ $\begin{array}{llllllll}1000 & 937.2945 & 0.008042 & 0.089423 & 0.054419 & 0.076084 & 4.096222 & 4.000774 \\ 0 & 0.007859\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1045.96 & 0.00779 & 0.070455 & 0.012365 & 0.060733 & 3.767958 & 3.66603 & 0.008326 \\ 1000 & 1212.542 & 0.009489 & 0.128837 & 0.09987 & 0.11521 & 5.148501 & 5.335056 & 0.015803\end{array}$ $\begin{array}{llllllllll}1000 & 901.0016 & 0.014762 & 0.087171 & 0.0979896 & 0.088232 & 3.744692 & 4.508962 & 0.011239\end{array}$ $\begin{array}{lllllllllll}1000 & 1041.753 & 0.008453 & 0.11327 & 0.069254 & 0.093831 & 3.878469 & 4.182264 & 0.010704\end{array}$ $\begin{array}{llllllllll}1000 & 828.9609 & 0.014728 & 0.083868 & 0.050257 & 0.049656 & 3.704146 & 3.957295 & 0.008278\end{array}$ $\begin{array}{lllllllll}1000 & 826.2644 & 0.013427 & 0.0722 & 0.087942 & 0.079845 & 4.020759 & 5.231754 & 0.01009\end{array}$ $\begin{array}{llllllllll}1000 & 1081.572 & 0.010193 & 0.106454 & 0.052125 & 0.077991 & 5.717274 & 4.325932 & 0.008534\end{array}$ $\begin{array}{lllllllll}1000 & 1158.809 & 0.012329 & 0.084835 & 0.098576 & 0.084475 & 4.699481 & 4.742884 & 0.01379\end{array}$ $\begin{array}{lllllllll}1000 & 988.9078 & 0.016678 & 0.074627 & 0.062399 & 0.080076 & 6.240697 & 5.281331 & 0.018293 \\ 1000 & 922.5537 & 0.009058 & 0.081265 & 0.041477 & 0.080484 & 3.695352 & 4.154507 & 0.004968\end{array}$
 $\begin{array}{lllllllll}1000 & 817.0579 & 0.010624 & 0.079742 & 0.089864 & 0.093718 & 4.073043 & 4.311346 & 0.008384\end{array}$ $\begin{array}{llllllllll}1000 & 1084.49 & 0.016402 & 0.072996 & 0.12106 & 0.079598 & 5.571624 & 4.230026 & 0.013644\end{array}$ $\begin{array}{llllllllll}1000 & 939.1421 & 0.011518 & 0.081843 & 0.087007 & 0.078445 & 3.872192 & 4.045657 & 0.014806\end{array}$ $\begin{array}{lllllllll}1000 & 1353.304 & 0.016413 & 0.128761 & 0.105702 & 0.121684 & 4.541174 & 5.740499 & 0.009451\end{array}$ $\begin{array}{llllllll}1000 & 8933.2644 & 0.012123 & 0.08505 & 0.090183 & 0.088859 & 3.445699 & 4.225009\end{array} 0.009967$ $\begin{array}{lllllllll}1000 & 812.2482 & 0.019665 & 0.11235 & 0.166888 & 0.121277 & 5.145005 & 4.401694 & 0.011258 \\ 1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055\end{array}$ $\begin{array}{lllllllll}1000 & 820.1335 & 0.012714 & 0.097002 & 0.076086 & 0.067766 & 5.076261 & 5.095857 & 0.011055 \\ 1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158\end{array}$ $\begin{array}{lllllllll}1000 & 1275.206 & 0.014399 & 0.085085 & 0.107481 & 0.082399 & 5.098572 & 4.762525 & 0.016158 \\ 1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876\end{array}$ $\begin{array}{lllllllll}1000 & 997.5735 & 0.020572 & 0.096725 & 0.066203 & 0.091178 & 4.508578 & 4.188309 & 0.016876 \\ 1000 & 1422.214 & 0.029031 & 0.108416 & 0.142051 & 0.06573 & 4.848992 & 4.701888 & 0.020098\end{array}$ $\begin{array}{lllllllll}1000 & 1164.626 & 0.022369 & 0.118601 & 0.113708 & 0.120797 & 5.004748 & 5.414754 & 0.021783\end{array}$ $1000959.44930 .0276850 .1313640 .1294490 .1445655 . .9836945 .02498600 .019703$ $\begin{array}{lllllllll}1000 & 951.8791 & 0.022156 & 0.119238 & 0.096977 & 0.090578 & 4.009289 & 4.906479 & 0.013452 \\ 1000 & 1544424 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 665097 & 6.051457 & 0.012161\end{array}$ $\begin{array}{lllllllll}1000 & 1544.224 & 0.036519 & 0.117264 & 0.095932 & 0.16419 & 6.650997 & 6.051457 & 0.016161 \\ 1000 & 1034.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255\end{array}$ $\begin{array}{lllllllll}1000 & 10344.413 & 0.029053 & 0.121476 & 0.15692 & 0.112439 & 5.177628 & 5.101587 & 0.024255 \\ 1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863\end{array}$ $\begin{array}{lllllllll}1000 & 1258.213 & 0.022831 & 0.145623 & 0.124522 & 0.112948 & 5.573767 & 4.845008 & 0.015863 \\ 1000 & 1007.007 & 0.024715 & 0.148499 & 0.159922 & 0.137078 & 5.169488 & 5.274469 & 0.011108\end{array}$ $\begin{array}{llllllllll}1000 & 995.3571 & 0.025366 & 0.157365 & 0.174694 & 0.157017 & 4.912779 & 5.573006 & 0.021975\end{array}$
 $\begin{array}{lllllllll}1000 & 1114.484 & 0.020506 & 0.15558 & 0.141491 & 0.13104 & 4.796965 & 5.131221 & 0.013824\end{array}$



| 0.070166 | 0.305322 | 0.637478 | 0.560187 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.100958 & 0.226672 & 0.62193 & 0.506074 \\ 0.115944 & 0.310525 & 0.659577 & 0.540391\end{array}$ $\begin{array}{llllll}0.172416 & 0.335122 & 0.646864 & 1.125561\end{array}$ $\begin{array}{llllll}0.099547 & 0.352427 & 1.232759 & 0.582476\end{array}$ $\begin{array}{llll}0.111246 & 0.268509 & 0.6444 & 0.73459\end{array}$ $\begin{array}{llll}0.081824 & 0.257021 & 0.682069 & 0.545541\end{array}$ $\begin{array}{llll}0.163624 & 0.323026 & 1.314208 & 0.644711\end{array}$ | 0.138836 | 0.279715 | 0.644183 | 0.74108 |
| :--- | :--- | :--- | :--- | $\begin{array}{llllll}0.206464 & 0.37894 & 0.803536 & 0.701444\end{array}$ $\begin{array}{llllll}0.178885 & 0.310916 & 0.797606 & 0.655694\end{array}$ $\begin{array}{llllll}0.169601 & 0.293206 & 0.892304 & 1.003422\end{array}$ $\begin{array}{lllllll}0.155052 & 0.366755 & 0.751608 & 0.758993\end{array}$ $\begin{array}{lllll}0.168676 & 0.375786 & 0.92122 & 1.088639\end{array}$ $\begin{array}{llll}0.174344 & 0.365233 & 0.870116 & 0.854656 \\ 0\end{array}$ $\begin{array}{llll}0.116114 & 0.211242 & 0.475684 & 0.51968\end{array}$ $\begin{array}{llll}0.166645 & 0.279274 & 0.693826 & 0.663499\end{array}$ 0.1875490 .2205240 .5220230 .794646 $\begin{array}{llllllll}0.265234 & 0.303693 & 0.819364 & 0.883433\end{array}$ $\begin{array}{lllll}0.269457 & 0.4522 & 1.031794 & 0.804736\end{array}$ 0.2835050 .2551730 .5405590 .850332 0.334958 0.340213 1.0999190 .892129 $\begin{array}{lllll}0.338785 & 0.441416 & 0.642605 & 0.562222\end{array}$ |  | 287615 | 0.307697 | 0.596099 | 0.507654 |
| :--- | :--- | :--- | :--- | :--- |
| .307946 | 0.360825 | 0.767901 | 0.791306 |  | $\begin{array}{lllll}0.227217 & 0.28317 & 1.077618 & 0.586499\end{array}$ $\begin{array}{llllll}0.224559 & 0.309 & 0.7441 & 0.553485\end{array}$ $\begin{array}{lllllll}0.231673 & 0.395289 & 0.779906 & 0.692405\end{array}$ 0.2652540 .3001110 .8441420 .952458 $\begin{array}{llll}0.312394 & 0.272555 & 0.650304 & 0.74038\end{array}$ 0.2146570 .2710260 .6628730 .9884355 $\begin{array}{lllll}0.349373 & 0.453222 & 1.092683 & 0.562615 \\ 0.443746 & 0.297024 & 0521814 & 0.69563\end{array}$ $\begin{array}{lllllllllll}0.347795 & 0.330737 & 0.767845 & 0.703116\end{array}$ $\begin{array}{lllll}0.31625 & 0.314294 & 1.262569 & 0.606719\end{array}$ $0.3199580 .272254 \quad 0.5002270 .562796$ $\begin{array}{llllll}0.352653 & 0.479601 & 1.072193 & 0.729182\end{array}$ $\begin{array}{llllll}0.429886 & 0.406837 & 0.632348 & 0.739743\end{array}$ $\begin{array}{lllll}0.330311 & 0.241416 & 0.906729 & 0.432265\end{array}$ 0.3694220 .3782990 .6173730 .675375 $\begin{array}{lllll}0.697981 & 0.341515 & 0.787835 & 0.662748\end{array}$ $\begin{array}{lllll}0.698007 & 0.323434 & 0.983805 & 0.74301\end{array}$ $\begin{array}{llllll}0.591063 & 0.414227 & 0.931748 & 0.696604\end{array}$ $\begin{array}{llllll}0.412555 & 0.393621 & 0.962502 & 0.70071\end{array}$ $\begin{array}{llll}0.2765 & 0.176714 & 0.464528 & 0.392168\end{array}$ 0.4183840 .31501600 .661350 .667308 $\begin{array}{llll}0.450904 & 0.405787 & 0.691612 & 0.672456\end{array}$ | 0.681547 | 0.458542 | 0.989446 | 1.00428 |
| :--- | :--- | :--- | :--- | :--- |
| .491515 | 0.334784 | 0.7966 | 0.586402 | $\begin{array}{llllll}0.522275 & 0.307988 & 0.790515 & 0.688409\end{array}$ 0.4619550 .3715720 .5989010 .828593 $\begin{array}{lllll}0.634461 & 0.366599 & 1.150138 & 1.463936\end{array}$ $\begin{array}{lllll}0.390051 & 0.316154 & 1.093359 & 0.92177\end{array}$ $\begin{array}{lllll}0.343635 & 0.245675 & 0.911538 & 0.538728\end{array}$ 0.4043940 .3121070 .61399900 .910773 | 0.373739 | 0.333742 | 1.115637 | 0.790886 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.393276 & 0.323386 & 0.971754 & 0.74599\end{array}$ $\begin{array}{lllll}0.325921 & 0.288428 & 0.42655 & 0.754845\end{array}$ $0.217109 \quad 0.2196750 .5015150 .394959$ $\begin{array}{lllll}0.338486 & 0.299064 & 0.79133 & 0.630918\end{array}$

$\begin{array}{lllllllll}1000 & 615.1407 & 0.005173 & 0.104665 & 0.115842 & 0.078526 & 3.261963 & 2.816708 & 0.008105\end{array}$ $\begin{array}{llllllll}1000 & 683.0143 & 0.014714 & 0.119487 & 0.141533 & 0.088757 & 3.600766 & 3.935939\end{array} 0.0009161$ $\begin{array}{lllllllll} & 1000 & 933.9332 & 0.010152 & 0.123231 & 0.094411 & 0.112329 & 3.34186 & 3.803757 \\ 1 & 0.0182 & 0.148082 & 0.145249 & 0.132783 & 4.66348 & 4.729982 & 0.01893\end{array}$ $\begin{array}{llllllllll}1000 & 1265.707 & 0.015255 & 0.125145 & 0.111909 & 0.092234 & 4.12627 & 4.686623 & 0.013789\end{array}$ $\begin{array}{lllllllll}1000 & 896.5135 & 0.013821 & 0.10678 & 0.0799911 & 0.10356 & 4.525468 & 5.297169 & 0.009909\end{array}$ $\begin{array}{lllllllll}1000 & 988.4561 & 0.01062 & 0.092842 & 0.089699 & 0.105178 & 4.011247 & 3.519359 & 0.011103 \\ 1000 & 1071.182 & 0.015113 & 0.135812 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167\end{array}$ $\begin{array}{lllllllll}1000 & 1071.182 & 0.015113 & 0.135512 & 0.131216 & 0.153466 & 5.738179 & 5.781471 & 0.012167 \\ 1000 & 924.7046 & 0.012635 & 0.144089 & 0.113338 & 0.082656 & 4.409304 & 3.874484 & 0.013439\end{array}$ $\begin{array}{lllllllll}1000 & 924.7046 & 0.012635 & 0.144089 & 0.103382 & 0.082656 & 4.409304 & 3.874484 & 0.013439 \\ 1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367\end{array}$ $\begin{array}{lllllllll}1000 & 966.6559 & 0.015939 & 0.154107 & 0.313475 & 0.147903 & 5.545515 & 4.807492 & 0.010367 \\ 1000 & 1059.863 & 0.020231 & 0.201989 & 0.159248 & 0.175889 & 5.807578 & 4.945245 & 0.016828\end{array}$ $\begin{array}{lllllllllll}1000 & 805.272 & 0.013576 & 0.177161 & 0.107854 & 0.162546 & 4.801086 & 5.286248 & 0.01572\end{array}$ $\begin{array}{lllllllll}1000 & 999.8509 & 0.012219 & 0.145906 & 0.139009 & 0.138671 & 5.838568 & 4.411256 & 0.014307\end{array}$ $\begin{array}{lllllllll}1000 & 1030.448 & 0.015548 & 0.247645 & 0.155392 & 0.129167 & 5.398257 & 5.121953 & 0.011358\end{array}$ $\begin{array}{lllllllll}1000 & 994.0685 & 0.015578 & 0.162133 & 0.110847 & 0.125339 & 5.013065 & 4.599762 & 0.009997\end{array}$ $\begin{array}{lllllllll}1000 & 1042.028 & 0.015345 & 0.138331 & 0.117631 & 0.13371 & 4.382344 & 4.740095 & 0.013697\end{array}$ $\begin{array}{lllllllll}1000 & 1104.708 & 0.024211 & 0.133994 & 0.119808 & 0.091304 & 3.769654 & 3.533041 & 0.007442 \\ 1000 & 7197501\end{array}$ $\begin{array}{lllllllll}1000 & 719.7501 & 0.017032 & 0.152678 & 0.090131 & 0.132934 & 3.511273 & 3.788978 & 0.012755 \\ 1000 & 919.0552 & 0.017138 & 0.154127 & 0.121875 & 0.136508 & 4.320497 & 4.051453 & 0.01147\end{array}$ $\begin{array}{llllllllll}1000 & 1011.449 & 0.016863 & 0.172207 & 0.140587 & 0.119742 & 4.483319 & 4.10234 & 0.014101\end{array}$ $\begin{array}{llllllllll}1000 & 1089.502 & 0.017473 & 0.197778 & 0.193182 & 0.179687 & 4.260298 & 5.005731 & 0.00847\end{array}$ $\begin{array}{lllllllll}1000 & 1539.157 & 0.027772 & 0.251749 & 0.159774 & 0.220271 & 6.661555 & 5.459224 & 0.014243\end{array}$ $\begin{array}{lllllllll}1000 & 1000.147 & 0.018395 & 0.131447 & 0.130495 & 0.152198 & 6.005535 & 4.082518 & 0.0099704\end{array}$ $\begin{array}{llllllll}1000 & 888.9333 & 0.020262 & 0.15559 & 0.154505 & 0.135922 & 4.878716 & 4.762051\end{array} 0.0011244$ $\begin{array}{lllllllll}1000 & 998.5492 & 0.016868 & 0.175857 & 0.171536 & 0.152994 & 5.762313 & 5.255829 & 0.017725 \\ 1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.01115 & 0.105838 & 0.144463 & 0.122363 & 4.336708 & 3.510876 & 0.00648 \\ 1000 & 1074.347 & 0.014231 & 0.194372 & 0.101931 & 0.13507 & 5.949344 & 5.470627 & 0.019815\end{array}$ $\begin{array}{lllllllll}1000 & 1074.344 & 0.014231 & 0.194372 & 0.101931 & 0.13550 & 5.949344 & 5.470627 & 0.019815 \\ 1000 & 1551.844 & 0.017482 & 0.148345 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067\end{array}$ $\begin{array}{lllllllll}1000 & 15551.844 & 0.017482 & 0.14834 & 0.157883 & 0.133505 & 6.630009 & 5.441836 & 0.017067 \\ 1000 & 762.7059 & 0.00497 & 0.136231 & 0.0868444 & 0.122142 & 3.976746 & 3.746443 & 0.018388\end{array}$ $\begin{array}{lllllllll}1000 & 1077.447 & 0.013965 & 0.144608 & 0.180014 & 0.172167 & 4.426677 & 5.397274 & 0.017564\end{array}$ $\begin{array}{lllllllll}1000 & 1610.395 & 0.012975 & 0.187498 & 0.200675 & 0.126143 & 5.265085 & 5.119423 & 0.015833\end{array}$ $\begin{array}{lllllllll}1000 & 957.072 & 0.00963 & 0.123634 & 0.117203 & 0.118485 & 4.225857 & 3.810033 & 0.005605 \\ 1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919\end{array}$ $\begin{array}{lllllllll}1000 & 704.4098 & 0.010642 & 0.112396 & 0.098037 & 0.102103 & 3.657079 & 4.17354 & 0.012919 \\ 1000 & 912.3527 & 0.009288 & 0.125501\end{array}$ $\begin{array}{llllllll}1000 & 912.3527 & 0.009288 & 0.125901 & 0.157881 & 0.130141 & 5.596311 & 5.064982\end{array} 0.017264$ $\begin{array}{lllllllll}1000 & 958.6201 & 0.007594 & 0.11839 & 0.171514 & 0.091561 & 5.01051 & 6.253751 & 0.012992\end{array}$ $\begin{array}{llllllllll}1000 & 1241.856 & 0.014024 & 0.134731 & 0.082505 & 0.090642 & 4.70376 & 4.510542 & 0.0010225\end{array}$ $\begin{array}{lllllllll}1000 & 723.9128 & 0.009811 & 0.084709 & 0.081842 & 0.107166 & 3.454398 & 3.45261 & 0.010362\end{array}$ $\begin{array}{lllllllll}1000 & 1036.759 & 0.013993 & 0.157663 & 0.168107 & 0.142096 & 5.859936 & 5.913273 & 0.015794\end{array}$ $\begin{array}{lllllllll}1000 & 1109.802 & 0.012283 & 0.175961 & 0.160656 & 0.128161 & 6.304868 & 5.169573 & 0.024931\end{array}$ $\begin{array}{lllllllll}1000 & 657.6888 & 0.008552 & 0.091616 & 0.097976 & 0.090784 & 4.07463 & 3.426213 & 0.010591 \\ 1000 & 7688.0823 & 0.014598 & 0.124463 & 0.153391 & 0.123681 & 4.325913 & 4.363612 & 0.013937\end{array}$ $\begin{array}{lllllllll}1000 & 768.0823 & 0.014598 & 0.124463 & 0.135391 & 0.123681 & 4.325913 & 4.366312 & 0.013937 \\ 1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806\end{array}$ $\begin{array}{lllllllll}1000 & 1065.656 & 0.00987 & 0.119619 & 0.085135 & 0.120063 & 3.823299 & 3.611553 & 0.013806 \\ 1000 & 1015.129 & 0.017444 & 0.168599 & 0.085281 & 0.151438 & 4.892969 & 4.977255 & 0.020033\end{array}$ $\begin{array}{llllllllll}1000 & 1042.995 & 0.017137 & 0.168141 & 0.124127 & 0.126052 & 6.570883 & 5.973721 & 0.023642\end{array}$ $\begin{array}{lllllllll}1000 & 1081.528 & 0.017307 & 0.167908 & 0.114921 & 0.144144 & 5.910046 & 5.37411 & 0.0250991\end{array}$ $\begin{array}{lllllllll}1000 & 1158.966 & 0.010766 & 0.112212 & 0.095421 & 0.161049 & 4.138073 & 4.162919 & 0.012081\end{array}$ $\begin{array}{lllllllll}1000 & 521.8401 & 0.006478 & 0.084265 & 0.048416 & 0.061202 & 3.485362 & 4.318165 & 0.006773\end{array}$
 $\begin{array}{lllllllll}1000 & 1088.286 & 0.016968 & 0.140386 & 0.140649 & 0.124633 & 4.208166 & 4.632637 & 0.013193 \\ 1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501\end{array}$ $\begin{array}{lllllllll}1000 & 1116.89 & 0.017354 & 0.132898 & 0.193898 & 0.172282 & 6.301227 & 5.568935 & 0.018501 \\ 1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 & 0.010625\end{array}$ $\begin{array}{llllllll}1000 & 976.5018 & 0.020791 & 0.135496 & 0.134493 & 0.138304 & 4.016818 & 4.382845 \\ 1000 & 1214.488 & 0.021718 & 0.150671 & 0.13987 & 0.134859 & 4.319282 & 6.4252562 \\ 0.013424\end{array}$ $\begin{array}{llllllllll}1000 & 802.9925 & 0.012888 & 0.177304 & 0.12102 & 0.181405 & 4.622962 & 6.875247 & 0.020082\end{array}$ $\begin{array}{llllllllll}1000 & 1099.036 & 0.019158 & 0.170134 & 0.191411 & 0.16688 & 6.990077 & 5.074537 & 0.014335\end{array}$ $\begin{array}{lllllllll}1000 & 1447.803 & 0.016753 & 0.194759 & 0.188431 & 0.19061 & 6.788696 & 5.378928 & 0.026424\end{array}$ $\begin{array}{llllllllll}1000 & 866.7119 & 0.010962 & 0.114482 & 0.131219 & 0.122075 & 4.126844 & 3.781339 & 0.015625\end{array}$ $\begin{array}{lllllllll}1000 & 1285.837 & 0.016288 & 0.165102 & 0.18294 & 0.170753 & 4.655373 & 4.964436 & 0.019492\end{array}$ $\begin{array}{lllllllll}1000 & 850.7799 & 0.011107 & 0.176048 & 0.076377 & 0.154675 & 7.740666 & 5.513382 & 0.023468 \\ 1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.118826 & 6.777419 & 8.988642 & 0.024539\end{array}$ $\begin{array}{lllllllll}1000 & 1662.182 & 0.01414 & 0.158415 & 0.163586 & 0.178826 & 6.777419 & 8.988642 & 0.024539 \\ 1000 & 1125.395 & 0.009553 & 0.122341 & 0.128397 & 0.088883 & 5.384903 & 7.337034 & 0.020506\end{array}$ $\begin{array}{llllllllll}1000 & 639.4741 & 0.010489 & 0.114665 & 0.150231 & 0.095226 & 3.497213 & 4.559818 & 0.012779\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 762.3578 & 0.004854 & 0.105552 & 0.138384 & 0.082832 & 3.191831 & 3.345072 & 0.016113\end{array}$ $\begin{array}{llllllllll}1000 & 1000.711 & 0.009602 & 0.107549 & 0.185285 & 0.109455 & 4.381901 & 4.679184 & 0.013129\end{array}$


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$\begin{array}{lllll}0.405687 & 0.386892 & 1.15372 & 0.824328\end{array}$ $\begin{array}{llll}0.405687 & 0.386892 & 1.15372 & 0.824328 \\ 0.254905 & 0.324564 & 0.653603 & 0.768255 \\ & 0.377645 & 0.45 & 0.563\end{array}$ $\begin{array}{lllll}0.326498 & 0.420208 & 0.75263 & 0.574703\end{array}$ $\begin{array}{lllll}0.306806 & 0.440424 & 0.923341 & 0.963292\end{array}$ $\begin{array}{lllll}0.219761 & 0.33841 & 0.728601 & 0.746664\end{array}$ $\begin{array}{lllll}0.129884 & 0.307047 & 0.446992 & 0.477489\end{array}$ $\begin{array}{llll}0.163412 & 0.252977 \\ 0.55727878 & 0.621452\end{array}$ $\begin{array}{lllll}0.257217 & 0.359565 & 0.61576 & 1.348487 \\ & 0.2023 & 0.262589 & 0.761777 & 0.961287\end{array}$ $\begin{array}{llllll}0.339326 & 0.450002 & 0.650281 & 0.766609\end{array}$ $\begin{array}{llllll}0.321392 & 0.343236 & 0.779336 & 0.756268\end{array}$ $\begin{array}{lllll}0.328481 & 0.349371 & 0.80745 & 0.708801\end{array}$ $\begin{array}{llllll}0.279806 & 0.403248 & 0.834258 & 0.610594\end{array}$ $\begin{array}{lllll}0.418049 & 0.329833 & 0.663175 & 0.613753\end{array}$ $\begin{array}{lllll}0.210771 & 0.222184 & 0.540472 & 0.540489\end{array}$ $\begin{array}{llll}0.255822 & 0.444036 & 0.625497 & 2.287415 \\ & 0.27198\end{array}$ $\begin{array}{lllll}0.21988 \\ 0.223117 & 0.36795 & 1.143577 & 0.8348655\end{array}$ 0.1281020 .2129030 .4526720 .556213 $\begin{array}{lllll}0.149937 & 0.275508 & 0.927598 & 0.919326\end{array}$ $\begin{array}{llll}0.093123 & 0.270913 & 0.850573 & 0.556849\end{array}$ $\begin{array}{llllll}0.168277 & 0.303743 & 0.773384 & 0.493693\end{array}$ $\begin{array}{lllll}0.119381 & 0.375062 & 0.720864 & 0.806443\end{array}$ $\begin{array}{llll}0.193045 & 0.398649 & 1.21424 & 1.002309\end{array}$ $\begin{array}{lllll}0.14185 & 0.405361 & 1.016439 & 0.907663 \\ 0.150461 & 0.315199 & 0.581857 & 0.788913\end{array}$ $\begin{array}{lllll}0.126206 & 0.365832 & 1.546331 & 0.758583 \\ 0.126813\end{array}$ $\begin{array}{lllll}0.074547 & 0.358222 & 0.91506 & 0.751424\end{array}$ $\begin{array}{llll}0.092751 & 0.285655 & 0.903391 & 0.707807\end{array}$ $\begin{array}{lllll}0.229485 & 0.545259 & 0.837998 & 0.847867\end{array}$ $\begin{array}{llll}0.347049 & 0.365594 & 0.814738 & 0.699417 \\ 0.0187053 & 0.295857\end{array}$ $\begin{array}{llll}0.187053 & 0.296857 & 1.120547 & 0.662537\end{array}$ $\begin{array}{llll}0.355304 & 0.482304 & 1.617459 & 1.671062 \\ 0.299733 & 0.420282 & 1.287999 & 0.666375\end{array}$ $\begin{array}{lllll}0.375853 & 0.33679 & 0.851748 & 1.046033\end{array}$ $\begin{array}{lllll}0.307724 & 0.528537 & 0.856405 & 1.062011\end{array}$ $\begin{array}{lllll}0.265932 & 0.445146 & 0.810333 & 0.59214\end{array}$ $\begin{array}{llll}0.300383 & 0.308261 & 1.084016 & 0.690203\end{array}$ $\begin{array}{llll}0.241777 & 0.330983 & 0.927533 & 0.73873\end{array}$ $\begin{array}{llll}0.213897 & 0.362781 & 0.650527 & 0.883652\end{array}$ $\begin{array}{llll}0.236495 & 0.355602 & 0.92921 & 1.162252 \\ 0.279628 & 0.589427 & 1.556525 & 0.796985\end{array}$ $\begin{array}{lllll}0.279628 & 0.589427 & 1.556525 & 0.796985 \\ 0.357886 & 0.45674 & 1.253068 & 0.94343\end{array}$ $\begin{array}{llll}0.248151 & 0.422981 & 0.900983 & 1.185943\end{array}$ $\begin{array}{llll}0.230579 & 0.418428 & 0.975372 & 1.10013\end{array}$ 0.3079780 .4997640 .6807140 .927593 $\begin{array}{lllll}0.299619 & 0.454852 & 1.127011 & 0.675554\end{array}$ $\begin{array}{lllll}0.419069 & 0.396086 & 0.781791 & 0.676771\end{array}$ $\begin{array}{llll}0.533663 & 0.412949 & 1.011379 & 0.720694\end{array}$ $\begin{array}{lllll}0.26172 & 0.427589 & 0.730171 & 0.751385 \\ 0.27719 & 0.375524 & 0.783687 & 0.693326\end{array}$ $\begin{array}{lllll}0.213461 & 0.351117 & 0.65426 & 0.572119\end{array}$ $\begin{array}{lllll}0.35723 & 0.430449 & 0.817973 & 0.685635\end{array}$ $\begin{array}{lllll}0.205824 & 0.336146 & 1.263542 & 0.794692\end{array}$ $\begin{array}{lllll}0.188362 & 0.282918 & 0.759685 & 0.913846\end{array}$ $\begin{array}{llll}0.25332 & 0.463461 & 0.809973 & 0.779689\end{array}$ | 0.21322 | 0.36927 | 0.79205 | 0.64039 |
| :--- | :--- | :--- | :--- |
| 0.15824 | 0.3107 |  |  | $\begin{array}{llll}0.168424 & 0.31107 & 0.616793 & 0.563946 \\ 0.195126 & 0.439694 & 0.657592 & 0.964206\end{array}$ $\begin{array}{lllll}0.154588 & 0.325809 & 0.75316 & 0.576467\end{array}$ $\begin{array}{lllll}0.289561 & 0.411948 & 1.040791 & 1.232496\end{array}$ $\begin{array}{llllll}0.221283 & 0.37144 & 0.713211 & 0.69551\end{array}$ 0.1871180 .3661720 .6396760 .883783


$\begin{array}{llllllllll}1000 & 1396.953 & 0.008293 & 0.148664 & 0.137964 & 0.122325 & 5.673182 & 5.963023 & 0.018599\end{array}$ $\begin{array}{lllllllll}100 & 793.7691 & 0.007095 & 0.1116348 & 0.171728 & 0.104937 & 4.877611 & 6.960961 & 0.01263 \\ 1000 & 968.4998 & 0.004942 & 0.13074 & 0.11244 & 0.132204 & 3.861344 & 4.720961 & 0.01529\end{array}$ $\begin{array}{lllllllll}1000 & 968.4498 & 0.004942 & 0.136074 & 0.111244 & 0.132204 & 3.861344 & 4.720961 & 0.015297 \\ 1000 & 1100.307 & 0.002963 & 0.135981 & 0.142341 & 0.169841 & 5.220472 & 6.180301 & 0.026145\end{array}$ $\begin{array}{lllllllll}1000 & 1370.139 & 0.008287 & 0.179396 & 0.157621 & 0.178305 & 5.202132 & 5.672738 & 0.019261\end{array}$ $\begin{array}{llllllllll}1000 & 1353.605 & 0.01027 & 0.166082 & 0.196931 & 0.151571 & 5.622929 & 4.885601 & 0.016327\end{array}$ $\begin{array}{lllllllll}1000 & 676.3096 & 0.004639 & 0.1234 & 0.071031 & 0.116079 & 2.987049 & 3.331499 & 0.01233\end{array}$ $\begin{array}{lllllllll}1000 & 684.8687 & 0.004842 & 0.101404 & 0.112086 & 0.108069 & 3.633289 & 3.9304949 & 0.012021 \\ 1000 & 1349.403 & 0.002964 & 0.170346 & 0.164263 & 0.119742 & 6.413787 & 5.289474 & 0.015061\end{array}$ | 1000 | 1349.403 | 0.002964 | 0.170346 | 0.164263 | 0.169742 | 6.413787 | 5.284974 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1152.06 | 0.006012061 | 0.136182 | 0.134198 | 0.117067 | 4.798683 | 5.563818 | $\begin{array}{lllllllll}1000 & 1452.05 & 0.006012 & 0.136182 & 0.134198 & 0.11706 & 4.798683 & 5.563818 & 0.019159 \\ 1000 & 1423.257 & 0.009892 & 0.157379 & 0.11423 & 0.146738 & 4.850453 & 4.691174 & 0.016084\end{array}$ $\begin{array}{llllllllll}1000 & 1500.697 & 0.007537 & 0.13057 & 0.171945 & 0.131478 & 5.134288 & 4.951768 & 0.014899\end{array}$ $\begin{array}{lllllllll}1000 & 1500.657 & 0.007737 & 0.13057 & 0.117934 & 0.131448 & 5.134288 & 4.951768 & 0.014899 \\ 1000 & 1104.585 & 0.007528 & 0.110404 & 0.097738 & 0.109681 & 5.120284 & 4.585277 & 0.013557\end{array}$ $\begin{array}{lllllllll}1000 & 11045.5353 & 0.01241 & 0.137954 & 0.094807 & 0.106331 & 4.962931 & 5.4955731 & 0.0092857 \\ 1000 & 1085 & 0.120857\end{array}$ $\begin{array}{lllllllll}1000 & 1307.403 & 0.011073 & 0.128277 & 0.157221 & 0.110298 & 5.048947 & 5.510477 & 0.016532\end{array}$ $\begin{array}{llllllllll}1000 & 857.1596 & 0.008069 & 0.110863 & 0.099876 & 0.132145 & 4.394766 & 4.106075 & 0.009544\end{array}$ $\begin{array}{lllllllll}1000 & 871.2658 & 0.008775 & 0.148424 & 0.163926 & 0.126874 & 5.555129 & 4.962407 & 0.023431 \\ 1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1764.257 & 0.011268 & 0.173852 & 0.178473 & 0.131859 & 5.140531 & 4.365776 & 0.009834 \\ 1000 & 1077.99 & 0.016428 & 0.198821 & 0.215849 & 0.194705 & 5.1344 & 5.690352 & 0.01654\end{array}$ $\begin{array}{lllllllllllll}1000 & 580.8152 & 0.011281 & 0.133371 & 0.089107 & 0.123339 & 4.378684 & 3.56751 & 0.010478\end{array}$ $\begin{array}{lllllllll}1000 & 790.3351 & 0.010665 & 0.160248 & 0.157756 & 0.163659 & 5.701389 & 4.086713 & 0.02173\end{array}$ $\begin{array}{lllllllll}1000 & 524.165 & 0.010432 & 0.148467 & 0.087688 & 0.10329 & 3.470764 & 3.370482 & 0.009207\end{array}$ $\begin{array}{lllllllll}1000 & 866.3908 & 0.01401 & 0.165108 & 0.189257 & 0.175216 & 3.628515 & 3.174641 & 0.015814\end{array}$ $\begin{array}{lllllllll}1000 & 1054.802 & 0.013551 & 0.130551 & 0.118246 & 0.140189 & 4.411737 & 5.020302 & 0.01316 \\ 1000 & 1337326 & 017093 & 0.107956 & 0.10563 & 0.14469 & 5302916 & 5.230873 & 0.015513\end{array}$ $\begin{array}{lllllllll}1000 & 1337.326 & 0.017093 & 0.207956 & 0.105633 & 0.144696 & 5.302916 & 5.230873 & 0.015513 \\ 1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605\end{array}$ $\begin{array}{lllllllll}1000 & 1188.206 & 0.015278 & 0.149719 & 0.123779 & 0.131496 & 5.582854 & 5.061918 & 0.017605 \\ 1000 & 824.1597 & 0.005494 & 0.14539 & 0.101517 & 0.099527 & 4.242573 & 3.941077 & 0.012853\end{array}$ $\begin{array}{llllllllllll}1000 & 891.1662 & 0.006204 & 0.152089 & 0.142353 & 0.132167 & 4.385448 & 5.096825 & 0.016489\end{array}$ $\begin{array}{llllllllll}1000 & 947.4673 & 0.005252 & 0.187601 & 0.155194 & 0.173242 & 4.544169 & 4.154008 & 0.016336\end{array}$ $\begin{array}{llllllllll}1000 & 1182.27 & 0.008025 & 0.183056 & 0.143877 & 0.157736 & 4.071976 & 4.444731 & 0.010207\end{array}$ $\begin{array}{lllllllll}1000 & 1090.319 & 0.006033 & 0.168922 & 0.232359 & 0.172156 & 5.64255 & 5.252416 & 0.021547\end{array}$ $\begin{array}{lllllllll}1000 & 1046.382 & 0.011817 & 0.165942 & 0.125884 & 0.159817 & 6.115659 & 6.017204 & 0.011237 \\ 1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5020828 & 4.34651 & 0.00865\end{array}$ $\begin{array}{llllllll}1000 & 997.5998 & 0.00618 & 0.153433 & 0.137188 & 0.129827 & 5.029828 & 4.348651\end{array} 0.009865$ $\begin{array}{llllllll}1000 & 910.5936 & 0.008477 & 0.126121 & 0.208892 & 0.153797 & 5.280407 & 5.271385 \\ 1000 & 894.2576 & 0.012416 & 0.155286 & 0.167415 & 0.09872 & 5.384546 & 4.599106 \\ 0.010837\end{array}$ $\begin{array}{llllllllll}1000 & 1161.576 & 0.021837 & 0.165211 & 0.204631 & 0.153049 & 5.502131 & 6.942604 & 0.0155\end{array}$ $\begin{array}{llllllllll}1000 & 1196.84 & 0.00853 & 0.180528 & 0.174252 & 0.148296 & 6.423038 & 7.013416 & 0.016399\end{array}$ $\begin{array}{llllllllll}1000 & 1286.995 & 0.015045 & 0.138015 & 0.133477 & 0.139397 & 5.365532 & 4.566677 & 0.011531\end{array}$ $\begin{array}{llllllllll}1000 & 699.1323 & 0.013264 & 0.129587 & 0.136581 & 0.098161 & 4.70075 & 4.860768 & 0.014294\end{array}$ $\begin{array}{lllllllll}1000 & 836.5271 & 0.018104 & 0.15773 & 0.129594 & 0.134831 & 4.448758 & 5.676407 & 0.009528\end{array}$ $\begin{array}{lllllllll}1000 & 772.0621 & 0.013847 & 0.123137 & 0.094693 & 0.109373 & 4.020572 & 3.621689 & 0.017393 \\ 1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 565793 & 8.294556 & 0.019131\end{array}$ $\begin{array}{lllllllll}1000 & 1739.673 & 0.022579 & 0.192043 & 0.156553 & 0.157219 & 5.65793 & 8.294556 & 0.019131 \\ 1000 & 923.4622 & 0.01562 & 0.266229 & 0.336533 & 0.265697 & 7.073136 & 5.926424 & 0.019974\end{array}$ $\begin{array}{lllllllllll}1000 & 1017.646 & 0.020249 & 0.312863 & 0.27448 & 0.305615 & 7.498768 & 6.780234 & 0.0277708\end{array}$ $\begin{array}{lllllllllllll}1000 & 906.3254 & 0.018548 & 0.297953 & 0.227418 & 0.227408 & 5.66481 & 6.445643 & 0.022894\end{array}$ $\begin{array}{lllllllll}1000 & 1323.342 & 0.019382 & 0.166497 & 0.14989 & 0.153628 & 5.002878 & 4.530529 & 0.016203\end{array}$ $\begin{array}{lllllllll}1000 & 1118.386 & 0.010922 & 0.202227 & 0.160065 & 0.124908 & 5.352393 & 4.782177 & 0.014607\end{array}$ $\begin{array}{lllllllll}1000 & 1162.582 & 0.014096 & 0.175622 & 0.087728 & 0.106742 & 6.380501 & 5.185586 & 0.014373\end{array}$ $\begin{array}{llllllll}1000 & 887.0313 & 0.00773 & 0.100769 & 0.109567 & 0.120941 & 6.165185 & 4.693691 \\ 10.011273\end{array}$ $\begin{array}{lllllllll}1000 & 11771.926 & 0.017691 & 0.136582 & 0.121923 & 0.203328 & 7.656832 & 5.460789 & 0.012244\end{array}$ $\begin{array}{lllllllll}1000 & 918.2899 & 0.010107 & 0.155428 & 0.094538 & 0.104246 & 6.098693 & 5.310121 & 0.013884 \\ 1000 & 1088.781 & 0.014522 & 0.161658 & 0.193422 & 0.149812 & 4.736032 & 4.697954 & 0.013322\end{array}$ $\begin{array}{lllllllll}1000 & 718.9957 & 0.009876 & 0.11251 & 0.108811 & 0.126733 & 3.83229 & 3.727693 & 0.015395\end{array}$ $\begin{array}{lllllllll}1000 & 929.8775 & 0.016673 & 0.14438 & 0.074312 & 0.127153 & 5.672222 & 4.96006 & 0.023987\end{array}$ $\begin{array}{lllllllll}1000 & 1014.914 & 0.009563 & 0.13228 & 0.132685 & 0.111695 & 5.165994 & 5.22949 & 0.013514\end{array}$ $\begin{array}{lllllllll}1000 & 1128.354 & 0.010943 & 0.118443 & 0.039527 & 0.072916 & 3.577841 & 4.083905 & 0.008634\end{array}$ $\begin{array}{lllllllll}1000 & 802.1751 & 0.015721 & 0.126486 & 0.046937 & 0.10022 & 4.733112 & 4.877326 & 0.009877\end{array}$ $\begin{array}{lllllllll}1000 & 883.755 & 0.010369 & 0.104947 & 0.067964 & 0.106296 & 5.491923 & 4.814622 & 0.011346 \\ 1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.52754 & 3.61118 & 0.011154\end{array}$ $\begin{array}{rrrrrrrr}1000 & 595.5585 & 0.00834 & 0.065079 & 0.07842 & 0.07995 & 3.652754 & 3.61118 \\ 1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509\end{array}$ $\begin{array}{lllllllll}1000 & 1146.009 & 0.012469 & 0.102684 & 0.086613 & 0.102428 & 5.22295 & 4.308509 & 0.01139 \\ 1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222\end{array}$ $\begin{array}{lllllllll}1000 & 1585.691 & 0.011782 & 0.104648 & 0.095455 & 0.103855 & 4.016732 & 3.621021 & 0.011222 \\ 1000 & 1159.175 & 0.009997 & 0.170992 & 0.175532 & 0.19318 & 8.544723 & 6.156318 & 0.020464\end{array}$ $\begin{array}{llllllllll}1000 & 661.964 & 0.010609 & 0.113436 & 0.107985 & 0.083482 & 4.501985 & 4.064206 & 0.008959\end{array}$ $\begin{array}{lllllllllll}1000 & 1696.82 & 0.007692 & 0.12611 & 0.087909 & 0.100957 & 4.482484 & 4.41486 & 0.014907\end{array}$






$0.0875950 .4058470 .449683 \quad 0.264282$ $\begin{array}{llll}0.029256 & 0.331626 & 0.327032 & 0.3642822 \\ 0 & 0.3025939 & 0.39526 & 0.28514 \\ 0 & 0.221159\end{array}$ $\begin{array}{llllll}0.083242 & 0.398726 & 0.273288 & 0.299204\end{array}$ $\begin{array}{lllllllll}0.024962 & 0.414271 & 0.277788 & 0.300645\end{array}$ $\begin{array}{lllll}0.024101 & 0.637263 & 0.47401 & 0.302946\end{array}$ $\begin{array}{lllll}0.031129 & 0.475691 & 0.454005 & 0.455832\end{array}$ $\begin{array}{lllll}0.026783 & 0.502601 & 0.688304 & 0.487624\end{array}$ $\begin{array}{llll}0.016026 & 0.417348 & 0.461625 & 0.34541\end{array}$ $\begin{array}{lllll}0.01584 & 0.595857 & 0.363574 & 0.371657\end{array}$ $\begin{array}{lllll}0.016442 & 0.511243 & 0.366694 & 0.431415\end{array}$ $\begin{array}{lllll}0.022771 & 0.560009 & 0.36116 & 0.300418\end{array}$ $\begin{array}{lllll}-0.00181 & 0.278995 & 0.152558 & 0.228715\end{array}$ $\begin{array}{llllll}0.037036 & 0.416284 & 0.43189 & 0.340545\end{array}$ $\begin{array}{llll}0.056096 & 0.590361 & 0.321428 & 0.327246\end{array}$ $\begin{array}{lllll}0.066682 & 0.402714 & 0.367376 & 0.333148 \\ 0.055372 & 0.335946 & 0.34688 & 0.3738\end{array}$ $\begin{array}{lllll}0.025431 & 0.317941 & 0.326481 & 0.282297\end{array}$ $\begin{array}{lllll}0.070926 & 0.36946 & 0.526174 & 0.33899\end{array}$ $\begin{array}{llll}0.039191 & 0.340965 & 0.406275 & 0.338302\end{array}$ $\begin{array}{lllll}0.030461 & 0.317916 & 0.511366 & 0.428591\end{array}$ $\begin{array}{lllllllllll}0.062607 & 0.311958 & 0.337687 & 0.538769\end{array}$ $\begin{array}{lllllll}0.032066 & 0.287187 & 0.481756 & 0.348492\end{array}$ $\begin{array}{llll}0.036277 & 0.283068 & 0.386427 & 0.349183 \\ 0 & 073398 & 0.282533 & 0.36338\end{array} 0.44472$ $\begin{array}{lllll}0.0757444 & 0.2987763 & 0.479931 & 0.4244723\end{array}$ 0.0625860 .3360040 .3987690 .390621 $\begin{array}{lllll}0.075914 & 0.443215 & 0.402478 & 0.302677\end{array}$ 0.0629290 .4236460 .5362920 .440613 $\begin{array}{llllll}0.065486 & 0.316571 & 0.333701 & 0.298644\end{array}$ $\begin{array}{llllll}0.03811 & 0.406626 & 0.258337 & 0.285738\end{array}$ | 0.082565 | 0.431762 | 0.482743 | 0.420908 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.05059 & 0.325683 & 0.311208 & 0.359414\end{array}$ $\begin{array}{llllll}0.046687 & 0.336805 & 0.471117 & 0.387172\end{array}$ $\begin{array}{lllll}0.068573 & 0.359055 & 0.400684 & 0.50483\end{array}$ $\begin{array}{llllll}0.047461 & 0.239135 & 0.352306 & 0.262261\end{array}$ $\begin{array}{llllll}0.062438 & 0.300024 & 0.295868 & 0.278575\end{array}$ $\begin{array}{lllllllll}0.075821 & 0.372331 & 0.311054 & 0.317962\end{array}$ $\begin{array}{lllll}0.022507 & 0.296813 & 0.324508 & 0.309801\end{array}$ $\begin{array}{lllll}0.038045 & 0.301197 & 0.366847 & 0.368068\end{array}$ $\begin{array}{llllll}0.060161 & 0.339784 & 0.318093 & 0.349949\end{array}$ $\begin{array}{llllll}0.013656 & 0.304107 & 0.381596 & 0.268879\end{array}$ $\begin{array}{lllll}0.02656 & 0.176647 & 0.242548 & 0.265977\end{array}$ $\begin{array}{lllllllllll}0.042183 & 0.354027 & 0.31759 & 0.288572\end{array}$ $\begin{array}{lllllll}0.045205 & 0.356506 & 0.361358 & 0.50397\end{array}$ $\begin{array}{llll}0.036283 & 0.235671 & 0.292772 & 0.350181\end{array}$ $\begin{array}{llll}0.046684 & 0.327624 & 0.373182 & 0.269085\end{array}$

 $\begin{array}{lllll}0.0614 & 0.331737 & 0.43617 & 0.44657\end{array}$ $\begin{array}{lllll}0.061675 & 0.240624 & 0.287804 & 0.25425\end{array}$ $\begin{array}{llllll}0.030204 & 0.349603 & 0.367952 & 0.294501\end{array}$ $\begin{array}{llllllllllll}0.026809 & 0.161671 & 0.262642 & 0.249738\end{array}$ $\begin{array}{lllll}0.050591 & 0.386268 & 0.366269 & 0.329109\end{array}$ $\begin{array}{llll}0.32571 & 0.269532 & 0.3545450 & 0.317413\end{array}$ | 0.062954 | 0.307232 | 0.392339 | 0.288171 |
| :--- | :--- | :--- | :--- |
| 041588 | 0.376736 | 0.38886 | 0.301815 | $\begin{array}{lllll}0.050636 & 0.318716 & 0.308728 & 0.365687\end{array}$ $\begin{array}{lllll}0.051319 & 0.345848 & 0.303868 & 0.354974\end{array}$ $\begin{array}{llllll}0.042759 & 0.346495 & 0.262264 & 0.327719\end{array}$ 0.0214620 .3292720 .373580 .319241

$\begin{array}{lllllllll}1000 & 1018.507 & 0.005875 & 0.058693 & 0.075806 & 0.064953 & 4.175173 & 3.747122 & 0.004285\end{array}$ $\begin{array}{llllllll}1000 & 1022.548 & 0.0077108 & 0.043137 & 0.052523 & 0.030083 & 3.333266 & 3.767521\end{array} 0.0003768$ $\begin{array}{lllllllll}1000 & 972.087 & 0.00592 & 0.053617 & 0.045768 & 0.056232 & 4.012782 & 3.42573 & 0.00369 \\ 1000 & 996.1152 & 0.007287 & 0.049924 & 0.00617 & 0.023883 & 3.819858 & 3.433025 & 0.000697\end{array}$ $\begin{array}{llllllllll}1000 & 893.2013 & 0.012278 & 0.037463 & 0.023879 & 0.037625 & 3.255102 & 3.511555 & 0.004732\end{array}$ $\begin{array}{lllllllll}1000 & 1100.671 & 0.010536 & 0.05006 & 0.018163 & 0.040932 & 3.896906 & 4.028722 & 0.003854\end{array}$ $\begin{array}{lllllllll}1000 & 1426.013 & 0.004975 & 0.024447 & 0.026337 & 0.039196 & 4.334701 & 4.339855 & 0.005358 \\ 1000 & 1111.85 & 0.006847 & 0.047995 & 0.035628 & 0.034278 & 4.655726 & 4.644049 & 0.000188\end{array}$ $\begin{array}{llllllll}1000 & 1111.85 & 0.006847 & 0.0404795 & 0.035628 & 0.0342788 & 4.655726 & 4.644049 \\ 1000 & 0.000188 \\ 1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4220661 & 4.258551\end{array}$ $\begin{array}{llllllll}1000 & 957.3339 & 0.004158 & 0.031637 & 0.022926 & 0.003902 & 4.220611 & 4.258551 \\ 1000 & 845.8845 & 0.00895 & 0.033799 & 0.000313 & 0.012754 & 3.721676 & 3.863423 \\ 0.001875\end{array}$ $\begin{array}{llllllllllll}1000 & 1233.734 & 0.00476 & 0.032166 & 0.020646 & 0.065313 & 5.73997 & 4.797446 & 0.002595\end{array}$ $\begin{array}{llllllllllllllll}1000 & 826.2289 & 0.002297 & 0.031661 & 0.03231 & 0.012819 & 3.883105 & 4.029032 & 0.003464\end{array}$ $\begin{array}{llllllllll}1000 & 1007.966 & 0.001556 & 0.057579 & 0.00036 & 0.047086 & 3.78389 & 4.405332 & 0.006114\end{array}$ $\begin{array}{lllllllll}1000 & 618.73 & 0.00142 & 0.028018 & 0.034015 & 0.035073 & 2.404641 & 2.685501 & 0.004986\end{array}$ $\begin{array}{lllllllll}1000 & 1255.774 & 0.008326 & 0.06563 & 0.094827 & 0.044561 & 4.542364 & 4.61628 & 0.01218\end{array}$ $\begin{array}{lllllllll}1000 & 894.2564 & 0.009751 & 0.060488 & 0.041388 & 0.042053 & 3.842731 & 3.922405 & 0.00515 \\ 1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 965.7304 & 0.005722 & 0.083882 & 0.115555 & 0.083743 & 3.684501 & 3.875626 & 0.010835\end{array}$ $\begin{array}{lllllllll}1000 & 975.6827 & 0.002637 & 0.047277 & 0.043161 & 0.055369 & 2.813435 & 2.605905 & 0.0099427\end{array}$ $1000 \quad 906.2528 \quad 0.0108120 .0773330 .0668020 .06819543 .306129 \begin{array}{lllll}3.537613 & 0.004228\end{array}$ $\begin{array}{lllllllll}1000 & 718.523 & 0.005493 & 0.056599 & 0.06145 & 0.069507 & 3.003796 & 3.512904 & 0.005156\end{array}$ $\begin{array}{lllllllll}1000 & 1033.648 & 0.009103 & 0.081336 & 0.187333 & 0.043883 & 3.656527 & 3.623245 & 0.0004061\end{array}$ $\begin{array}{llllllllll}1000 & 780.9178 & 0.012286 & 0.060003 & 0.084485 & 0.059665 & 3.3777035 & 3.302077 & 0.004968\end{array}$ $\begin{array}{lllllllll}1000 & 842.8682 & 0.000464 & 0.052215 & 0.049503 & 0.049789 & 2.771971 & 3.191253 & 0.003198 \\ 1000 & 9355.8288 & 0.006145 & 0.061867 & 0.06713 & 0.075406 & 4057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{lllllllll}000 & 935.8288 & 0.006145 & 0.061867 & 0.067133 & 0.075406 & 4.057468 & 3.654105 & 0.005584\end{array}$ $\begin{array}{llllllllll}1000 & 1060.426 & 0.010995 & 0.076903 & 0.052331 & 0.055976 & 3.572116 & 3.59736 & 0.004299 \\ 1000 & 940.83 & 0.008899 & 0.087587 & 0.032602 & 0.075156 & 3.181318 & 3.848753 & 0.006819\end{array}$ $\begin{array}{lllllllll}1000 & 866.642 & 0.007158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.642 & 0.0071158 & 0.069673 & 0.057482 & 0.07886 & 2.871643 & 3.126785 & 0.007306 \\ 1000 & 947.9187 & 0.0094 & 0.105472 & 0.071893 & 0.062698 & 3.586713 & 3.482639 & 0.006033\end{array}$ $\begin{array}{lllllllll} & 1021.53 & 0.01418 & 0.092534 & 0.009954 & 0.0072309 & 4.07674631 & 3.482639 & 0.006033 \\ 1000 & 10276275 & 0.00553\end{array}$
 $\begin{array}{llllllll}1000 & 773.2339 & 0.010352 & 0.065359 & 0.046579 & 0.0756608 & 3.391013 & 2.98869 \\ 10.005462 \\ 1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912\end{array}$ $\begin{array}{lllllllll}1000 & 1380.688 & 0.011039 & 0.100452 & 0.048017 & 0.067245 & 3.702658 & 3.73912 & 0.009527 \\ 1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.26211 & 3.072142 & 0.006848\end{array}$ $\begin{array}{lllllllll}1000 & 683.1073 & 0.014503 & 0.085039 & 0.061855 & 0.048941 & 3.262211 & 3.072142 & 0.006842 \\ 1000 & 844.5102 & 0.007143 & 0.072032 & 0.06554 & 0.066144 & 3.403397 & 2.969735 & 0.005088\end{array}$ $\begin{array}{lllllllll}1000 & 1078.876 & 0.01397 & 0.106231 & 0.106723 & 0.075172 & 3.413149 & 3.375104 & 0.002884\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404\end{array}$ $\begin{array}{lllllllll}1000 & 1222.896 & 0.011536 & 0.114778 & 0.100783 & 0.101149 & 4.064551 & 4.572155 & 0.007404 \\ 1000 & 871.76 & 0.011003 & 0.056613 & 0.059391 & 0.057707 & 3.12075 & 3.17915 & 0.005767\end{array}$ $\begin{array}{llllllllll}1000 & 1033.756 & 0.010924 & 0.067909 & 0.068487 & 0.056435 & 3.233753 & 3.633045 & 0.002482\end{array}$

 $\begin{array}{lllllllll}1000 & 1327.824 & 0.011949 & 0.074666 & 0.039813 & 0.076423 & 3.150242 & 3.217665 & 0.008879\end{array}$ \begin{tabular}{lllllllll}
1000 \& 1211.923 \& 0.017124 \& 0.084806 \& 0.098049 \& 0.074715 \& 3.371931 \& 3.968405 \& 0.004488 <br>
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 $\begin{array}{lllllllll}1000 & 1921.122 & 0.009456 & 0.0965 & 0.136825 & 0.077847 & 3.377593 & 3.93396 & 0.002809 \\ 1000 & 1127.238 & 0.014476 & 0.08138 & 0.13867 & 0.089202 & 3.31681 & 3.734356 & 0.007819\end{array}$ $\begin{array}{llllllllll}1000 & 1015.557 & 0.00919 & 0.094485 & 0.11607 & 0.072413 & 3.216633 & 3.412717 & 0.002491\end{array}$ $\begin{array}{lllllllll}1000 & 1215.857 & 0.00919 & 0.094485 & 0.1667 & 0.072413 & 3.216633 & 3.412717 & 0.002491 \\ 1000 & 757.9824 & 0.005248 & 0.03985 & 0.061374 & 0.057828 & 2.682081 & 2.839498 & 0.001929\end{array}$ $\begin{array}{lllllllll}1000 & 1154.905 & 0.010355 & 0.079849 & 0.042578 & 0.05797 & 3.070056 & 2.969252 & 0.0002967\end{array}$ $\begin{array}{lllllllll}1000 & 1003.121 & 0.0085 & 0.060064 & 0.090892 & 0.05606 & 3.430117 & 3.459236 & 0.003179\end{array}$ $\begin{array}{lllllllll}1000 & 1124.964 & 0.00461 & 0.078437 & 0.043257 & 0.070388 & 3.193118 & 3.313862 & 0.005383 \\ 1000 & 1454.436 & 0.008063 & 0.0532525 & 0.06465 & 0.075424 & 3.724503 & 3.638949 & 0.000187\end{array}$ 

\hline 000 \& 1454.536 \& 0.008063 \& 0.053252 \& 0.06465 \& 0.075424 \& 3.724503 \& 3.638944 \& 0.000187 <br>
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\end{tabular} $\begin{array}{lllllllll}000 & 1002.82 & 0.007827 & 0.055483 & 0.068434 & 0.064712 & 3.386305 & 3.481609 & 0.002185 \\ 1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552\end{array}$ $\begin{array}{lllllllll}1000 & 1105.238 & 0.014504 & 0.041091 & 0.029969 & 0.029454 & 3.499782 & 3.357104 & 0.008552 \\ 1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 996.243 & 0.007758 & 0.044909 & 0.055935 & 0.055853 & 3.853334 & 4.121927 & 0.002377 \\ 1000 & 801.04 & 0.006895 & 0.042806 & 0.014662 & 0.059709 & 2.710409 & 3.348897 & 0.001421\end{array}$ $\begin{array}{lllllllll}1000 & 1216.442 & 0.01154 & 0.053901 & 0.074537 & 0.035734 & 3.529982 & 3.239082 & 0.004214\end{array}$ $\begin{array}{llllllllll}1000 & 831.2548 & 0.009073 & 0.048467 & 0.008489 & 0.019588 & 2.452892 & 2.438065 & 0.0001221\end{array}$ $\begin{array}{lllllllll}1000 & 1047.79 & 0.009328 & 0.068324 & 0.05408 & 0.059114 & 3.660183 & 3.56248 & 0.002298 \\ 1000 & 0163138 & 0.07999 & 0.06777 & 0.02811 & 0.034765 & 3390161 & 35474 & 0.0369\end{array}$ $\begin{array}{lllllllll}1000 & 916.3138 & 0.007999 & 0.060777 & 0.028111 & 0.034765 & 3.349161 & 3.5874 & 0.003609\end{array}$ $\begin{array}{lllllllll}1000 & 1067.927 & 0.010279 & 0.048158 & 0.057351 & 0.036916 & 3.924216 & 3.564714 & 0.00579\end{array}$ $\begin{array}{lllllllll}1000 & 1101.395 & 0.022409 & 0.057058 & 0.049581 & 0.042459 & 3.693115 & 4.010436 & 0.002911 \\ 1000 & 1081.761 & 0.022623 & 0.046996 & 0.027108 & 0.032378 & 3.284741 & 2.946767 & 0.00348\end{array}$ $\begin{array}{llllllllll}1000 & 850.7295 & 0.013431 & 0.037536 & 0.010647 & 0.042262 & 3.119029 & 3.154912 & 0.002442\end{array}$ $\begin{array}{llllllllll}1000 & 1013.511 & 0.0141 & 0.041629 & 0.027104 & 0.034666 & 3.4637 & 3.008152 & 0.003007\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 866.2754 & 0.010962 & 0.035047 & 0.033257 & 0.028476 & 2.6535937 & 0.001398\end{array}$



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$\begin{array}{llll}0.031611 & 0.401195 & 0.565759 & 0.680515\end{array}$ $\begin{array}{llll}0.047697 & 0.41712 & 0.559176 & 0.442672 \\ 0.033864 & 0.318373 & 0.557024 & 0.462136\end{array}$ $\begin{array}{lllll}0.052034 & 0.227194 & 0.528364 & 0.519206\end{array}$ $\begin{array}{llllllllll}0.053555 & 0.225225 & 0.430557 & 0.437268\end{array}$ $\begin{array}{lllll}0.081266 & 0.39672 & 0.813177 & 0.814696\end{array}$ $\begin{array}{rlll}0.10417 & 0.310136 & 0.623135 & 0.677599\end{array}$ $\begin{array}{lllll}0.139115 & 0.224537 & 0.908507 & 0.660577 \\ 0\end{array}$ $\begin{array}{llll}0.192163 & 0.312041 & 0.769898 & 0.68971 \\ 0 & 0.149146 & 0.360103 & 0.701746\end{array}$ | 0.13312 | 0.315093 | 0.684883 | 0.87778 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088229 & 0.266661 & 0.456966 & 0.739526\end{array}$ $\begin{array}{llll}0.12593 & 0.195205 & 0.721266 & 0.625943\end{array}$ $\begin{array}{lllll}0.099571 & 0.289353 & 0.656671 & 0.671575\end{array}$ $\begin{array}{llll}0.13594 & 0.331815 & 0.951157 & 1.076207\end{array}$ $\begin{array}{llll}0.155103 & 0.242672 & 0.949812 & 0.687928\end{array}$ | 0.081648 | 0.266666 | 0.686311 | 0.830989 |
| :--- | :--- | :--- | :--- | $\begin{array}{llll}0.092273 & 0.351706 & 0.885922 & 0.845525 \\ 0.088259 & 0.335323 & 0.72666 & 0.740185\end{array}$ $\begin{array}{llll}0.070835 & 0.283668 & 0.909258 & 0.666004\end{array}$ $\begin{array}{llll}0.087727 & 0.258627 & 0.741565 & 0.612933\end{array}$ $\begin{array}{llllll}0.070825 & 0.185364 & 0.554206 & 0.636004\end{array}$ $\begin{array}{lllll}0.14918 & 0.309444 & 1.006352 & 0.774642\end{array}$ $\begin{array}{llll}0.165965 & 0.350032 & 0.848652 & 0.802348\end{array}$ $\begin{array}{llll}0.084192 & 0.261942 & 0.695531 & 0.653218\end{array}$ $\begin{array}{llll}0.113611 & 0.357862 & 0.805593 & 1.067474 \\ 0.135272 & 0.300744 & 1.037675 & 0.77824\end{array}$ $\begin{array}{lllll}0.066924 & 0.276958 & 0.790702 & 0.754784\end{array}$ $\begin{array}{lllll}0.071813 & 0.290907 & 0.457531 & 0.639797\end{array}$ $\begin{array}{lllll}0.064215 & 0.357847 & 0.815127 & 0.663215\end{array}$ $\begin{array}{lllll}0.075605 & 0.359288 & 0.991256 & 0.60056\end{array}$ $\begin{array}{llll}0.129049 & 0.28988 & 0.75347 & 0.537963\end{array}$ $\begin{array}{llll}0.105974 & 0.272886 & 0.632027 & 0.755164\end{array}$ $\begin{array}{llll}0.079567 & 0.275442 & 0.762438 & 0.883553 \\ 0.051876 & 0.287631 & 0.572844 & 0.787908\end{array}$ $\begin{array}{llll}0.061619 & 0.2777796 & 0.517844 & 0.787908 \\ 0.0 .517046\end{array}$ $\begin{array}{lllll}0.0 .109503 & 0.501367 & 0.928316 & 1.099436\end{array}$ $\begin{array}{lllll}0.074202 & 0.252329 & 0.717445 & 0.819267\end{array}$ $\begin{array}{llll}0.092096 & 0.430531 & 1.066901 & 1.22305\end{array}$ $\begin{array}{llll}0.119834 & 0.363694 & 1.092045 & 1.128597\end{array}$ $\begin{array}{llll}0.05136 & 0.400559 & 0.652173 & 0.870842\end{array}$ $\begin{array}{lllll}0.080817 & 0.271879 & 0.744266 & 0.803881 \\ 0.038103 & 0.248781 & 0.465322 & 0.650427\end{array}$ | 0.08521 | 0.347368 | 1.2659 | 1.341401 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.079931 & 0.372017 & 0.753862 & 0.563623\end{array}$ $\begin{array}{lllll}0.088712 & 0.323032 & 1.04567 & 0.739648\end{array}$ $\begin{array}{llll}0.084064 & 0.308333 & 1.228756 & 0.982288\end{array}$ $\begin{array}{llll}0.131225 & 0.38279 & 0.887654 & 1.05749\end{array}$ $\begin{array}{llll}0.120489 & 0.322183 & 1.856678 & 0.765613\end{array}$ $\begin{array}{llll}0.094513 & 0.297818 & 1.113155 & 1.245263\end{array}$ $\begin{array}{llll}0.116088 & 0.258409 & 0.793007 & 0.666836 \\ 0.115628 & 0.554125 & 1.385854 & 0.891609\end{array}$ $\begin{array}{lllll}0.171548 & 0.417791 & 1.670533 & 0.896359 \\ 0 & 0.175469\end{array}$ $\begin{array}{lllll}0.047204 & 0.263044 & 0.690082 & 1.004585\end{array}$ $\begin{array}{lllll}0.094619 & 0.38646 & 0.959242 & 0.974591\end{array}$ $\begin{array}{lllll}0.101405 & 0.322548 & 0.636257 & 0.66876\end{array}$ $\begin{array}{lllll}0.092319 & 0.249774 & 0.629481 & 0.627155\end{array}$ $\begin{array}{llll}0.09091 & 0.507514 & 1.579029 & 0.9947\end{array}$ $\begin{array}{llll}0.064357 & 0.209214 & 1.205438 & 0.906858 \\ 0.053311 & 0.222872 & 0.671731 & 0.69517\end{array}$ $\begin{array}{llll}0.066661 & 0.389646 & 1.179674 & 1.002656\end{array}$ $\begin{array}{lllll}0.067598 & 0.313037 & 0.632427 & 0.735122\end{array}$ 0.0530670 .2292671 .0156210 .576187 0.0659770 .2512611 .0900180 .538506


$\begin{array}{rrrrrrrrr}1000 & 1104.585 & 0.006035 & 0.104545 & 0.093259 & 0.074059 & 3.953608 & 4.364116 & 0.00645 \\ 1000 & 1257.54 & 0.065368 & 0.110976 & 0.120624 & 0.081112 & 5.414032 & 4.129046 & 0.007418 \\ 1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288\end{array}$ $\begin{array}{lllllllll}1000 & 1038.629 & 0.00711 & 0.107749 & 0.116261 & 0.08721 & 3.778051 & 3.329305 & 0.002288 \\ 1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082608 & 3.609368 & 0.008277\end{array}$ $\begin{array}{lllllllll}1000 & 1019.646 & 0.001262 & 0.116384 & 0.127926 & 0.133714 & 4.082668 & 3.609368 & 0.008277 \\ 1000 & 767.6288 & 0.002344 & 0.081015 & 0.093444 & 0.094608 & 3.623066 & 3.352541 & 0.00612\end{array}$ $\begin{array}{lllllllll}1000 & 1346.292 & 0.005777 & 0.142547 & 0.109712 & 0.127866 & 4.094525 & 4.147194 & 0.007168\end{array}$ $\begin{array}{lllllllll}1000 & 889.9435 & 0.009896 & 0.107471 & 0.062839 & 0.117472 & 4.082828 & 4.094529 & 0.006147\end{array}$ $\begin{array}{lllllllll}100 & 9566.3881 & 0.006035 & 0.151806 & 0.134978 & 0.09348 & 3.534949 & 4.103572 & 0.003367 \\ 1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139677 & 3.822485 & 0.005259\end{array}$ $\begin{array}{lllllllll}1000 & 1021.831 & 0.010921 & 0.112505 & 0.068466 & 0.103595 & 4.139767 & 3.822485 & 0.005259 \\ 1000 & 1102252 & 0.0101014 & 0.129579 & 0.10221 & 0.114552 & 5.367171 & 4.851436 & 0.00654\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1102.252 & 0.011014 & 0.149579 & 0.10221 & 0.114552 & 5.366171 & 4.851436 \\ 1000 & 1108.405 & 0.00948 & 0.112798 & 0.123083 & 0.074963 & 4.642873 & 4.118653 \\ 0.005795\end{array}$ $\begin{array}{llllllllll}1000 & 895.7373 & 0.009562 & 0.094821 & 0.095261 & 0.097149 & 3.040463 & 3.6052 & 0.005737\end{array}$ $\begin{array}{llllllllll}1000 & 837.7235 & 0.012442 & 0.106334 & 0.077864 & 0.081389 & 3.868081 & 4.069236 & 0.006191\end{array}$ $\begin{array}{lllllllll}1000 & 1098.392 & 0.012208 & 0.100269 & 0.102364 & 0.097104 & 4.013613 & 3.208568 & 0.004877\end{array}$ $\begin{array}{lllllllllll}1000 & 884.7027 & 0.01706 & 0.108713 & 0.131075 & 0.154975 & 4.179335 & 3.977426 & 0.010221\end{array}$ $\begin{array}{lllllllll}1000 & 1007.146 & 0.013022 & 0.110895 & 0.11053 & 0.11447 & 4.241605 & 4.00682 & 0.006656 \\ 1000 & 1028.177 & 0.000105 & 0.097764 & 0.117145 & 0.097033 & 3.735913 & 3.95997 & 0.006589\end{array}$ $\begin{array}{lllllllll}1000 & 1028.177 & 0.006105 & 0.097764 & 0.107145 & 0.097033 & 3.735913 & 3.955977 & 0.006589 \\ 1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309\end{array}$ $\begin{array}{lllllllll}1000 & 1041.297 & 0.013541 & 0.124177 & 0.120903 & 0.141749 & 4.63288 & 4.076374 & 0.009309 \\ 1000 & 1185.576 & 0.009078 & 0.144852 & 0.169585 & 0.120745 & 4.523395 & 4.465378 & 0.007665\end{array}$ $\begin{array}{lllllllllll}1000 & 950.5291 & 0.009091 & 0.139177 & 0.086629 & 0.151678 & 4.747335 & 4.246047 & 0.007793\end{array}$ $\begin{array}{llllllllllll}1000 & 834.5023 & 0.011622 & 0.120635 & 0.068397 & 0.140954 & 3.26875 & 3.499491 & 0.009605\end{array}$ $\begin{array}{llllllllll}1000 & 739.873 & 0.007514 & 0.096104 & 0.139823 & 0.114192 & 2.660341 & 2.781871 & 0.005785\end{array}$ $\begin{array}{lllllllll}1000 & 2071.548 & 0.015152 & 0.185146 & 0.174935 & 0.157428 & 4.619002 & 5.343776 & 0.007895\end{array}$ $\begin{array}{llllllll}1000 & 1305.815 & 0.009038 & 0.148201 & 0.095118 & 0.137948 & 3.705276 & 4.482354 \\ 1000 & 7006679\end{array}$ $\begin{array}{lllllllll}1000 & 773.2958 & 0.004765 & 0.183434 & 0.060694 & 0.115833 & 4.045818 & 3.392222 & 0.005093 \\ 1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1241.625 & 0.005493 & 0.133759 & 0.107775 & 0.139525 & 4.025263 & 3.676353 & 0.004683 \\ 1000 & 1210.22 & 0.009188 & 0.124234 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174\end{array}$ $\begin{array}{rrrrrrrrr}100 & 1110.22 & 0.009188 & 0.124634 & 0.130431 & 0.148155 & 5.35724 & 4.617727 & 0.006174 \\ 1000 & 1125.653 & 0.010462 & 0.156559 & 0.132135 & 0.119664 & 5.037179 & 4.350906 & 0.005481\end{array}$ $\begin{array}{lllllllll}1000 & 889.8157 & 0.002976 & 0.068199 & 0.056156 & 0.064095 & 4.470407 & 3.054077 & 0.0004399\end{array}$ $\begin{array}{lllllllll}1000 & 1102.592 & 0.001774 & 0.082192 & 0.067496 & 0.072232 & 4.256491 & 3.368424 & 0.002697\end{array}$ $\begin{array}{llllllllll}1000 & 1679.977 & 0.005548 & 0.101486 & 0.090769 & 0.097152 & 4.548325 & 5.144612 & 0.003175\end{array}$ | 1000 | 1198.4 | 0.004685 | 0.082437 | 0.136621 | 0.076201 | 5.09823 | 4.230119 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1037.254 | 0.004346 | 0.092671 | 0.0947713 | 0.078129 | 4.180365 | 4.112147 | $\begin{array}{lllllllll}1000 & 1037.254 & 0.004346 & 0.092671 & 0.094713 & 0.078129 & 4.180365 & 4.112147 & 0.007656\end{array}$ $\begin{array}{lllllllll}1000 & 1094.13 & 0.006966 & 0.088417 & 0.105626 & 0.111897 & 4.139989 & 4.449202 & 0.007517\end{array}$ | 1000 | 954.5932 | 0.005921 | 0.107152 | 0.068928 | 0.141843 | 4.986799 | 3.91965 | 0.014538 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017\end{array}$ $\begin{array}{lllllllll}1000 & 2508.766 & 0.006699 & 0.130831 & 0.187597 & 0.142067 & 5.457327 & 6.106508 & 0.009017 \\ 1000 & 668.541 & 0.011409 & 0.126087 & 0.156438 & 0.086027 & 3.915031 & 3.766427 & 0.007202\end{array}$ $\begin{array}{lllllllll}1000 & 1320.996 & 0.014521 & 0.157875 & 0.079361 & 0.157503 & 5.282454 & 5.699404 & 0.014634\end{array}$ $\begin{array}{lllllllll}1000 & 1054.252 & 0.018354 & 0.149633 & 0.138198 & 0.135136 & 4.574326 & 4.412258 & 0.013951\end{array}$ $\begin{array}{llllllllll}1000 & 827.7968 & 0.00777 & 0.094939 & 0.072102 & 0.088051 & 3.866194 & 3.553529 & 0.0034494\end{array}$ $\begin{array}{lllllllll}1000 & 1221.32 & 0.002555 & 0.11232 & 0.116552 & 0.090394 & 4.27087 & 4.26617 & 0.007996 \\ 1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822\end{array}$ $\begin{array}{lllllllll}1000 & 679.3952 & 0.004604 & 0.094462 & 0.043588 & 0.065953 & 2.672734 & 2.786399 & 0.004822 \\ 1000 & 1240.728 & 0.012871 & 0.133032 & 0.099552 & 0.120324 & 4.930731 & 4.585453 & 0.01616\end{array}$ | 1000 | 603.0229 | 0.008228 | 0.094646 | 0.063427 | 0.095816 | 3.8018 | 3.332945 | 0.010588 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllll}100 & 63.0229 & 0.008228 & 0.094646 & 0.063427 & 0.095816 & 3.8018 & 3.332945 \\ 10.0100588 \\ 100 & 1047.295 & 0.008957 & 0.097216 & 0.107991 & 0.122217 & 5.531403 & 4.437567 \\ 0.012843\end{array}$ $\begin{array}{lllllllll}1000 & 786.9462 & 0.007696 & 0.155031 & 0.068315 & 0.116813 & 4.414235 & 4.449219 & 0.009404\end{array}$ $\begin{array}{lllllllll}1000 & 998.9427 & 0.010061 & 0.203719 & 0.119222 & 0.147068 & 6.06349 & 4.977139 & 0.013678 \\ 1000 & 1049 & 045 & 0.07143 & 0.14607 & 0.12654 & 0.103038 & 4.3249 & 4.43859\end{array}$ | 1000 | 1049.264 | 0.007143 | 0.144607 | 0.123647 | 0.103038 | 4.32489 | 4.435859 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{llllllllll}1000 & 818.5269 & 0.010941 & 0.106948 & 0.112545 & 0.118318 & 3.529968 & 3.6833236 & 0.007371 \\ 1000 & 909.6484 & 0.012093 & 0.161649 & 0.16 & 0.114391 & 3948704 & 3.933055 & 0.011073\end{array}$ $\begin{array}{rrrrrrrr}000 & 909.6484 & 0.012093 & 0.161649 & 0.162 & 0.114391 & 3.948704 & 3.933055 \\ 1000 & 10866.072 & 0.011073\end{array}$ $\begin{array}{lllllllll}1000 & 1086.672 & 0.011882 & 0.192049 & 0.161915 & 0.136467 & 4.215195 & 4.632561 & 0.010161 \\ 1000 & 1050.723 & 0.011154 & 0.156771 & 0.135526 & 0.184147 & 5.598658 & 3.875003 & 0.005218\end{array}$ $\begin{array}{lllllllll}1000 & 1287.95 & 0.009071 & 0.161222 & 0.101892 & 0.121418 & 3.217528 & 3.091693 & 0.008725\end{array}$ | 1000 | 1292.464 | 0.016846 | 0.17516 | 0.092006 | 0.1214379 | 4.62898 | 3.575707 | 0.000922 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 965.1603 & 0.020637 & 0.14464 & 0.137199 & 0.107438 & 4.273696 & 4.634317 & 0.010397\end{array}$ $\begin{array}{lllllllll}1000 & 761.6293 & 0.009266 & 0.100747 & 0.115459 & 0.081211 & 3.279596 & 2.516649 & 0.004568 \\ 1000 & 1533.3 & 0.012946 & 0.148041 & 0.082667 & 0.173166 & 4.253332 & 5.062553 & 0.0074466\end{array}$ | 1000 | 1533.3 | 0.012946 | 0.148041 | 0.082667 | 0.173166 | 4.253332 | 5.062553 |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| 1000 | 1004.464 | 0.005833 | 0.130589 | 0.144131 | 0.128514 | 3.38235 | 3.669022 | $\begin{array}{lllllllll}1000 & 1004.464 & 0.005833 & 0.130589 & 0.144131 & 0.128514 & 3.38235 & 3.669022 & 0.007115 \\ 1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865\end{array}$ $\begin{array}{lllllllll}1000 & 684.9384 & 0.007835 & 0.105424 & 0.069256 & 0.061955 & 3.215577 & 3.195626 & 0.005865 \\ 1000 & 1398.472 & 0.008961 & 0.118102 & 0.125651 & 0.116338 & 4.41598 & 4.635854 & 0.012835\end{array}$ $\begin{array}{llllllllll}1000 & 626.3881 & 0.003477 & 0.072847 & 0.078916 & 0.07236 & 2.788303 & 2.278825 & 0.006775\end{array}$ $\begin{array}{llllllllll}1000 & 1193.053 & 0.008992 & 0.093745 & 0.039915 & 0.086896 & 2.834928 & 2.725949 & 0.007133\end{array}$ $\begin{array}{llllllllll}1000 & 638.3693 & 0.003977 & 0.083763 & 0.091754 & 0.068009 & 4.051773 & 3.434407 & 0.0045\end{array}$


| 281.941 | 113.01 | 160.03 | 495.78 | 438.61 | 7003.66 | 100848.2 | 211.05 | 161.03 | 25 | 156.03 | 5122.72 | 47459.26 | 16 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 282.2748 | 115.01 | 195.04 | 274.24 | 330.34 | 6329.78 | 141856.9 | 214.05 | 158.03 | 28 | 146.02 | 5785.61 | 40273.83 | 20 |
| 282.6086 | 113.01 | 138.02 | 291.27 | 316.32 | 6556.87 | 135626.7 | 193.04 | 167.03 | 28 | 151.02 | 6087.52 | 35927.57 | 32 |
| 282.943 | 113.01 | 145.02 | 300.28 | 61 | 127 | 113473.2 | 215.05 | 173.03 | 25 | 129.02 | 7275.8 | 38767.71 | 21 |
| 283.2768 | 120.01 | 145.02 | 269.23 | 313.31 | 6916.92 | 124810.5 | 203.04 | 224.05 | 27 | 133.02 | 4743.6 | 39250.72 | 20 |
| 283.6106 | 158.03 | 154.02 | 213.14 | 377.45 | 7337.48 | 117611.6 | 219.05 | 149.02 | 16 | 137.02 | 6013.54 | 42658.75 | 20 |
| 283.9449 | 127.02 | 129.02 | 441.62 | 401.51 | 9615.27 | 107721.3 | 213.05 | 167.03 | 26 | 158.03 | 5184.42 | 43455.3 | 22 |
| 284.2788 | 101.01 | 169.03 | 274.24 | 510.82 | 10170.88 | 172748.4 | 227.06 | 143.02 | 34 | 154.03 | 5554.76 | 40609.9 | 30 |
| 284.6126 | 102.01 | 180.03 | 270.23 | 339.36 | 7275.69 | 98657.13 | 191.04 | 199.04 | 31 | 189.04 | 4454.74 | 40597.89 | 30 |
| 284.94 | 145.02 | 141.02 | 29. | 395. | 11687.74 | 93 | 250.07 | 213.05 | 34 | 40.0 | 6033.81 | 57005.0 | 9 |
| 285.2818 | 113.01 | 157.03 | 322.33 | 433.59 | 8731.54 | 135640.7 | 213.05 | 158.03 | 30 | 171.03 | 4350.7 | 37450.6 | 20 |
| 285.6156 | 106.01 | 205.04 | 429.58 | 445.63 | 9030.87 | 149360.6 | 240.06 | 185.04 | 29 | 189.04 | 4637.55 | 39224.6 | 18 |
| 285.95 | 102.01 | 142.02 | 332.35 | 430.59 | 8816.1 | 141602.7 | 220.05 | 168.03 | 39 | 150.02 | 5957.82 | 37622.01 | 24 |
| 286.2838 | 97.01 | 116.01 | 266.22 | 367.43 | 6938.86 | 135709.6 | 211.05 | 170.03 | 24 | 140.02 | 4954.88 | 46294.63 | 18 |
| 286.6176 | 96.01 | 171.03 | 273.24 | 614.19 | 6305.84 | 184683.4 | 204.04 | 142.02 | 33 | 179.03 | 5255.2 | 40618.6 | 14 |
| 286.9519 | 121.02 | 155.03 | 297.28 | 472.71 | 8088.24 | 115908.3 | 205.05 | 157.03 | 18 | 179.03 | 5226. | 35578.6 | 29 |
| 287.2858 | 99.01 | 142.02 | 326.34 | 453.65 | 7296.63 | 108100.1 | 264.08 | 141.02 | 18 | 125.02 | 4818.4 | 39488.05 | 23 |
| 287.6196 | 136.02 | 181.03 | 249.2 | 470.7 | 6571.46 | 154130.3 | 205.05 | 139.02 | 19 | 158.03 | 5399.91 | 48225.06 | 14 |
| 287.9539 | 109.01 | 127.02 | 374.44 | 453.65 | 8500.29 | 173146.1 | 217.05 | 145.02 | 19 | 98.01 | 6444.39 | 42158.03 | 24 |
| 288.2878 | 134.02 | 142.02 | 345.38 | 40.52 | 8678.72 | 122186.1 | 221.05 | 139.02 | 26 | 139.02 | 35.5 | 46282.48 | 22 |
| 288.6216 | 154.02 | 106.01 | 337.36 | 309.3 | 8137.72 | 105499.7 | 181.04 | 142.02 | 18 | 101.01 | 5071.15 | 43155.61 | 22 |
| 288.9559 | 143.02 | 167.03 | 341.37 | 439.61 | 7844.25 | 106856.9 | 236.06 | 139.02 | 28 | 129.02 | 6498.15 | 44238 | 21 |
| 289.2897 | 206.04 | 142.02 | 261.22 | 373.44 | 8253.57 | 103658.7 | 181.04 | 175.03 | 31 | 119.02 | 5180.37 | 53041.81 | 28 |
| 289.6236 | 151.02 | 118.01 | 410.53 | 359.41 | 6828.13 | 134379.3 | 194.04 | 207.05 | 25 | 205.05 | 6052.05 | 41141.77 | 31 |
| 289.9579 | 182.03 | 131.02 | 540.92 | 326.34 | 10308.47 | 164506.7 | 212.05 | 142.02 | 26 | 147.02 | 4876.0 | 51253.7 | 24 |
| 290.2917 | 203.04 | 156.03 | 293.27 | 331.35 | 8705.13 | 167189.1 | 209.05 | 159.03 | 37 | 166.03 | 6166.5 | 41410.66 | 17 |
| 290.6255 | 164.03 | 131.02 | 356.4 | 557.98 | 7412.92 | 149084.3 | 207.05 | 149.02 | 26 | 148.02 | 6142.25 | 44561.26 | 26 |
| 290.9599 | 212.05 | 146.02 | 276.24 | 403.51 | 8355.79 | 115493.3 | 259.07 | 199.04 | 33 | 153.03 | 5374.61 | 42083.56 | 18 |
| 291.2937 | 213.05 | 171.03 | 297.28 | 396.5 | 7600.63 | 141879.1 | 169.03 | 293.09 | 24 | 147.02 | 4897.26 | 44792.45 | 27 |
| 291.6275 | 254.07 | 157.03 | 350.39 | 878.43 | 12372.61 | 135568.8 | 186.04 | 215.05 | 29 | 164.03 | 6911.18 | 49577.9 | 33 |
| 291.9619 | 191.04 | 121.02 | 345.38 | 491.76 | 13403.75 | 143773.9 | 239.06 | 170.03 | 38 | 152.03 | 6202.0 | 55171.82 | 30 |
| 292.2957 | 194.04 | 132.02 | 238.18 | 91.76 | 6489.12 | 122288.5 | 242.06 | 180.04 | 22 | 172.03 | 6406.8 | 52549. | 26 |
| 292.63 | 219.05 | 112.01 | 409.53 | 368.43 | 7737.1 | 125469.8 | 230.06 | 191.04 | 47 | 130.02 | 7754.63 | 44769.33 | 29 |
| 292.9649 | 191.04 | 172.03 | 450.64 | 385.47 | 11457.58 | 132037.5 | 283.09 | 188.04 | 34 | 158.03 | 5434.31 | 55795.65 | 27 |
| 293.2987 | 244.06 | 147.02 | 315.31 | 422.56 | 10413.09 | 124175.9 | 257.07 | 188.04 | 22 | 213.05 | 5745.1 | 93518.92 | 35 |
| 293.6325 | 211.05 | 128.02 | 370.43 | 353.39 | 6972.3 | 165493.4 | 256.07 | 227.06 | 24 | 171.03 | 5824 | 61632.97 | 34 |
| 293.9669 | 211.05 | 144.02 | 380.46 | 386.47 | 6468.28 | 107299.4 | 303.1 | 193.04 | 43 | 195.04 | 6599 | 62510.45 | 24 |
| 294.3007 | 173.03 | 148.02 | 419.56 | 695.53 | 8113.5 | 129317.2 | 338.12 | 227.06 | 21 | 158.03 | 6214.2 | 48603.42 | 20 |
| 294.635 | 191.04 | 136.02 | 324.33 | 304.29 | 12800.1 | 189095.6 | 291.09 | 199.04 | 45 | 156.03 | 8305.24 | 53741.41 | 31 |
| 294.9688 | 302.09 | 116.01 | 271.23 | 894.52 | 7824.29 | 169879.9 | 234.06 | 202.04 | 47 | 190.04 | 6874.63 | 59447.84 | 17 |
| 295.3026 | 231.06 | 167.03 | 426.57 | 427.58 | 8666.04 | 121768.8 | 268.08 | 222.05 | 20 | 160.03 | 6112.85 | 48401.45 | 32 |
| 295.637 | 260.07 | 137.02 | 484.74 | 290.27 | 10011.02 | 145464.1 | 295.59 | 178.03 | 19 | 183.04 | 6411.9 | 56685.5 | 23 |
| 295.9708 | 226.05 | 157.03 | 329.34 | 484.74 | 6720.62 | 183552.9 | 240.06 | 187.04 | 43 | 146.02 | 7063.4 | 55616.52 | 24 |
| 296.3046 | 274.08 | 118.01 | 337.36 | 453.65 | 8392.7 | 172811.1 | 257.07 | 207.05 | 18 | 166.03 | 6698.02 | 58603.87 | 24 |
| 296.639 | 195.04 | 144.02 | 270.23 | 318.32 | 10207.13 | 162922.5 | 328.12 | 211.05 | 40 | 184.04 | 5800.8 | 43807.92 | 44 |
| 296.9728 | 188.04 | 124.02 | 260.21 | 523.87 | 6726.88 | 104165.9 | 258.07 | 183.04 | 28 | 189.04 | 6646.27 | 52002.12 | 25 |
| 297.3066 | 188.04 | 139.02 | 274.24 | 334.35 | 7635.26 | 127653.8 | 280.08 | 185.04 | 31 | 164.03 | 6429.18 | 44125.61 | 38 |
| 297.641 | 190.04 | 129.02 | 330.34 | 401.51 | 7546.08 | 137971.9 | 263.07 | 161.03 | 23 | 126.02 | 4944.77 | 52797.62 | 30 |
| 297.9748 | 247.06 | 155.03 | 386.47 | 505.81 | 7024.57 | 104420.3 | 254.07 | 144.02 | 31 | 163.03 | 7099.04 | 41007.39 | 27 |
| 298.3086 | 144.02 | 167.03 | 385.47 | 324.33 | 12801.19 | 128938.7 | 324.11 | 185.04 | 37 | 156.03 | 5339.19 | 53549.59 | 21 |
| 298.6429 | 143.02 | 144.02 | 356.4 | 401.51 | 8228.28 | 134321.5 | 239.06 | 229.06 | 25 | 155.03 | 6371.37 | 49267.67 | 14 |
| 298.9768 | 159.03 | 149.02 | 234.17 | 435.6 | 7746.55 | 98324.29 | 259.07 | 189.04 | 30 | 113.01 | 6749.78 | 46001.98 | 41 |
| 299.3106 | 172.03 | 192.04 | 233.17 | 291.27 | 9548.34 | 155218.2 | 242.06 | 133.02 | 24 | 137.02 | 5250.17 | 40411.29 | 4 |
| 299.6449 | 185.04 | 195.04 | 368.43 | 324.33 | 8792.85 | 117946.9 | 230.06 | 171.03 | 22 | 133.02 | 4713.33 | 53489.03 | 19 |
| 299.9788 | 159.03 | 173.03 | 261.22 | 311.31 | 11174.1 | 148494 | 214.05 | 146.02 | 19 | 107.01 | 5046.88 | 38128.82 | 24 |
| 300.3126 | 131.02 | 124.02 | 297.28 | 361.41 | 10670.64 | 207061.8 | 220.05 | 129.02 | 18 | 149.02 | 4549.67 | 46240.5 | 19 |
| 300.6479 | 167.03 | 179.03 | 358.41 | 329.34 | 7804.32 | 128759.5 | 197.04 | 147.02 | 29 | 150.02 | 4465.8 | 40948.39 | 27 |
| 300.9818 | 174.03 | 168.03 | 302.29 | 472.71 | 8025.1 | 155659.8 | 226.06 | 152.03 | 27 | 138.02 | 5230.9 | 46840.65 | 5 |
| 301.3156 | 149.02 | 177.03 | 284.26 | 348.38 | 8178.78 | 147030.1 | 226.06 | 176.03 | 32 | 168.03 | 6243.62 | 43300.49 | 21 |
| 301.6499 | 134.02 | 131.02 | 501.79 | 319.32 | 9932.22 | 154920.3 | 193.04 | 187.04 | 22 | 161.03 | 6204.08 | 45228.71 | 13 |
| 301.9837 | 120.01 | 121.02 | 257.21 | 378.45 | 6908.56 | 140342 | 218.05 | 147.02 | 29 | 149.02 | 4640.58 | 52452.86 | 17 |
| 302.3176 | 136.02 | 124.02 | 315.31 | 321.33 | 6792.63 | 137934.1 | 188.04 | 162.03 | 36 | 128.02 | 6081.44 | 40647.01 | 16 |
| 302.6519 | 126.02 | 153.02 | 341.37 | 286.26 | 8911.29 | 118819 | 151.02 | 119.02 | 23 | 142.02 | 4813.3 | 54588.12 | 16 |
| 302.9857 | 100.01 | 136.02 | 513.8 | 312.31 | 12475.33 | 102174 | 163.03 | 154.0 | 27 | 99.01 | 4870.98 | 48786.61 | 18 |

$\begin{array}{llll}0.073592 & 0.3953 & 1.515117 & 1.031364\end{array}$ $\begin{array}{lllll}0.084117 & 0.548314 & 0.924519 & 1.031364 \\ 0.841048\end{array}$ $\begin{array}{llll}0.078608 & 0.354928 & 0.948291 & 0.774391\end{array}$ $\begin{array}{llll}0.040461 & 0.193704 & 0.50329 & 0.947215 \\ 0.083122 & 0.35672 & 0.836435\end{array}$ $\begin{array}{llll}0.083122 & 0.356742 & 0.83046 & 0.726435 \\ 0.122424 & 0.360886 & 0.618622 & 0.838173\end{array}$ $\begin{array}{llll}0.065991 & 0.223243 & 0.982515 & 0.8833483\end{array}$ $\begin{array}{lllll}0.040638 & 0.289925 & 0.575307 & 0.834709 \\ 0.057932\end{array}$ $\begin{array}{lllll}0.057982 & 0.43564 & 0.792452 & 0.753431 \\ 0.067384 & 0.2304239 & 0.621022 & 0.553322\end{array}$ $\begin{array}{lllll}0.059026 & 0.310169 & 0.78848 & 0.817139\end{array}$ $\begin{array}{llllll}0.050478 & 0.406487 & 1.017467 & 0.813442\end{array}$ $\begin{array}{llllll}0.047849 & 0.273053 & 0.805332 & 0.803329\end{array}$ $\begin{array}{llllll}0.054669 & 0.271775 & 0.818514 & 0.860997\end{array}$ $\begin{array}{llllll}0.05881 & 0.47404 & 0.924623 & 1.634125\end{array}$ $\begin{array}{lllll}0.072144 & 0.329885 & 0.784671 & 0.96701\end{array}$ $\begin{array}{llll}0.054319 & 0.329928 & 0.955383 & 1.026112\end{array}$ $\begin{array}{lllll}0.056631 & 0.247814 & 0.941634 & 0.880781\end{array}$ $\begin{array}{lllll}0.079973 & 0.277376 & 0.850337 & 0.765362\end{array}$ $\begin{array}{lllllllll}0.106192 & 0.207086 & 0.885708 & 0.608787\end{array}$ $\begin{array}{lllllllll}0.09824 & 0.370824 & 0.929834 & 0.923055\end{array}$ $\begin{array}{lllll}0.158302 & 0.291667 & 0.67509 & 0.736596\end{array}$ $\begin{array}{lllll}0.122828 & 0.282057 & 1.285847 & 0.854353\end{array}$ $\begin{array}{llll}0.106933 & 0.212119 & 1.123367 & 0.50957\end{array}$ $\begin{array}{llll}0.147158 & 0.308806 & 0.719158 & 0.613542 \\ 0.128062 & 0.294995 & 1.027509 & 1.256966\end{array}$ $\begin{array}{llllll}0.162482 & 0.297697 & 0.705447 & 0.790727\end{array}$ $\begin{array}{llllll}0.179748 & 0.393266 & 0.835023 & 0.853125\end{array}$ 0.1386040 .2188780 .6051271 .207443 $\begin{array}{lllll}0.087953 & 0.148169 & 0.55054 & 0.608409\end{array}$ $\begin{array}{llll}0.18563 & 0.340092 & 0.782423 & 1.256891\end{array}$ $\begin{array}{lllll}0.183172 & 0.233362 & 1.131971 & 0.774415\end{array}$ $\begin{array}{llll}0.102894 & 0.262611 & 0.841419 & 0.549003 \\ 0.156516 & 0.240797 & 0.64644 & 0.66576\end{array}$ 1935110.3050131 .1356910 .021533 $\begin{array}{llllllll}0.208594 & 0.378392 & 1.257525 & 0.975307\end{array}$ $\begin{array}{lllll}0.126435 & 0.311532 & 1.106003 & 1.445875\end{array}$ $\begin{array}{lllll}0.092101 & 0.178655 & 0.54118 & 0.380141\end{array}$ $\begin{array}{llll}0.271389 & 0.241013 & 0.739622 & 1.945583\end{array}$ $\begin{array}{llll}0.175319 & 0.335652 & 1.052848 & 0.811148\end{array}$ $\begin{array}{lllll}0.176404 & 0.23044 & 1.038197 & 0.461495\end{array}$ $\begin{array}{llllll}0.224622 & 0.229465 & 0.858793 & 0.892075\end{array}$ $\begin{array}{lllll}0.118834 & 0.239764 & 0.564824 & 0.500844\end{array}$ $\begin{array}{lllll}0.171482 & 0.30422 & 0.82512 & 1.296215\end{array}$ $\begin{array}{lllllll}0.151075 & 0.307413 & 0.766407 & 0.706427\end{array}$ $\begin{array}{llllll}0.155115 & 0.284473 & 0.935181 & 0.870943\end{array}$ $\begin{array}{lllll}0.235668 & 0.379849 & 1.176295 & 1.196156\end{array}$ $\begin{array}{llll}0.060858 & 0.227212 & 0.643732 & 0.407575\end{array}$ $\begin{array}{lllll}0.093654 & 0.297438 & 0.924699 & 0.798719\end{array}$ $\begin{array}{lllll}0.106541 & 0.357153 & 0.520421 & 0.4857\end{array}$ $\begin{array}{lllll}0.12828 & 0.394688 & 0.895613 & 0.593411\end{array}$ 0.0811440 .2710690 .4986160 .446489 $\begin{array}{llllll}0.062651 & 0.191764 & 0.594741 & 0.549937\end{array}$ $\begin{array}{llllll}0.124907 & 0.403555 & 0.981499 & 0.679857\end{array}$ $\begin{array}{llll}0.128888 & 0.364965 & 0.804258 & 0.97462\end{array}$ 0.10046 $\begin{array}{llllll}0.083223 & 0.287509 & 0.794086 & 0.892764\end{array}$ $\begin{array}{lllll}104689 & 0.301274 & 0.991403 & 0.760449\end{array}$ $0.0702510 .294888 \quad 0.8184730 .510564$ 0.0324490 .1833070 .8815730 .401318

$\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724\end{array}$ $\begin{array}{lllllllll}1000 & 844.0303 & 0.010933 & 0.132029 & 0.119248 & 0.131947 & 4.163083 & 4.605064 & 0.006724 \\ 1000 & 1314.134 & 0.0126 & 0.143344 & 0.148397 & 0.134237 & 5.213793 & 4.323989 & 0.009377 \\ 1000 & 1212.845 & 0.008761 & 0.146329 & 0.143256 & 0.135258 & 5300213 & 3.723712 & 0.014662\end{array}$ $\begin{array}{llllllllll}1000 & 122.822 .8042 & 0.006344 & 0.078045 & 0.065562 & 0.056775 & 3.26906 & 206815 & 0.0049\end{array}$ $\begin{array}{lllllllllllll}1000 & 1057.926 & 0.00984 & 0.186461 & 0.130779 & 0.108862 & 3.89746 & 3.856332 & 0.008581\end{array}$ $\begin{array}{llllllllll}1000 & 939.6962 & 0.011593 & 0.11654 & 0.071253 & 0.106675 & 4.67773 & 3.950891 & 0.008089\end{array}$ $\begin{array}{lllllllll}1000 & 656.6868 & 0.008184 & 0.099776 & 0.090462 & 0.097649 & 3.069346 & 3.071073 & 0.00681\end{array}$ $\begin{array}{lllllllll}1000 & 995.9863 & 0.009199 & 0.080652 & 0.112816 & 0.089389 & 3.1128 & 2.713171 & 0.008849 \\ 1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.106755 & .474943 & 3.791959 & 0.012371\end{array}$ $\begin{array}{lllllllll}1000 & 794.7917 & 0.007604 & 0.157353 & 0.143409 & 0.160755 & 3.474943 & 3.791959 & 0.012371 \\ 1000 & 468.1662 & 0.010095 & 0.104887 & 0.098172 & 0.068873 & 2.946436 & 3.314206 & 0.002193\end{array}$ $\begin{array}{lllllllll} & 1000 & 910.8068 & 0.0009012 & 0.103906 & 0.115518 & 0.118607 & 2.826357 & 2.914637 \\ 0.0006797\end{array}$ $\begin{array}{lllllllllllll}1000 & 969.7647 & 0.011889 & 0.117785 & 0.107846 & 0.129505 & 2.916834 & 2.951496 & 0.005893\end{array}$ $\begin{array}{llllllllll}1000 & 941.7539 & 0.009769 & 0.10948 & 0.149838 & 0.099746 & 3.856378 & 2.899882 & 0.008123\end{array}$ $\begin{array}{llllllll}1000 & 1146.76 & 0.011035 & 0.140776 & 0.115361 & 0.11602 & 4.061689 & 4.534017\end{array} 0.00767$ $\begin{array}{lllllllll}1000 & 1717.709 & 0.010963 & 0.129181 & 0.17648 & 0.17368 & 4.745775 & 4.377571 & 0.006496\end{array}$ $\begin{array}{llllllllll}1000 & 840.095 & 0.008679 & 0.111456 & 0.0773219 & 0.135398 & 3.679415 & 2.989215 & 0.010749\end{array}$ $\begin{array}{lllllllll}000 & 868.459 & 0.018211 & 0.110842 & 0.081165 & 0.095042 & 3.754026 & 3.677707 & 0.009394\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1375.4 & 0.010683 & 0.1212313 & 0.095405 & 0.142891 & 4.681594 & 4.987215 & 0.006233 \\ 1000 & 1194.518 & 0.009757 & 0.097869 & 0.073752 & 0.05795 & 4.331643 & 3.370279 & 0.008424\end{array}$ $\begin{array}{llllllllll}1000 & 825.3739 & 0.010046 & 0.091852 & 0.100227 & 0.0919 & 2.900233 & 3.623924 & 0.007545\end{array}$ $\begin{array}{llllllllll}1000 & 759.9252 & 0.005493 & 0.100095 & 0.072774 & 0.063274 & 3.546043 & 3.603778 & 0.008046\end{array}$ $\begin{array}{lllllllll}1000 & 798.5154 & 0.013146 & 0.101625 & 0.11974 & 0.092197 & 4.73374 & 3.832405 & 0.007957\end{array}$ $\begin{array}{lllllllll}1000 & 736.1666 & 0.005416 & 0.121856 & 0.126414 & 0.078614 & 3.573001 & 4.367172 & 0.010162\end{array}$ $\begin{array}{lllllllll}1000 & 1153.928 & 0.008569 & 0.174465 & 0.122331 & 0.188732 & 5.05947 & 4.094705 & 0.013631\end{array}$ $\begin{array}{lllllllll}1000 & 935.774 & 0.00753 & 0.079013 & 0.084378 & 0.083139 & 2.689425 & 3.378592 & 0.006946 \\ 1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761\end{array}$ $\begin{array}{lllllllll}1000 & 1126.246 & 0.008552 & 0.104887 & 0.143775 & 0.114695 & 4.044614 & 3.232614 & 0.005761 \\ 1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487\end{array}$ $\begin{array}{lllllllll}1000 & 1179.289 & 0.009756 & 0.115354 & 0.117345 & 0.116625 & 4.730809 & 4.085087 & 0.010487 \\ 1000 & 810.2753 & 0.015265 & 0.137008 & 0.133174 & 0.107921 & 3.664093 & 3.422518 & 0.006369\end{array}$ $\begin{array}{llllllll}1000 & 1094.526 & 0.004204 & 0.2223 & 0.105314 & 0.112766 & 3.663998 & 4.004846 \\ 0.010632\end{array}$ $\begin{array}{llllllllll}1000 & 642.3901 & 0.004042 & 0.100016 & 0.078713 & 0.07949 & 3.194528 & 2.722818 & 0.008017\end{array}$ $\begin{array}{llllllllll}1000 & 628.8855 & 0.00793 & 0.072868 & 0.095958 & 0.066717 & 2.641954 & 2.796912 & 0.006714\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1104.88 & 0.016874 & 0.159471 & 0.112661 & 0.16075 & 5.640984 & 5.503371 & 0.011981 \\ 1000 & 950.7537 & 0.012505 & 0.141978 & 0.206623 & 0.094436 & 5.741114 & 3.93216 & 0.011237\end{array}$ | 1000 | 950.7537 | 0.012505 | 0.141978 |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 675.6155 | 0.01306623 | 0.094436 | 5.741144 | 3.93216 | 0.011237 | $\begin{array}{lllllllll}1000 & 675.6155 & 0.013358 & 0.094351 & 0.100145 & 0.081945 & 2.702212 & 3.309064 & 0.007052 \\ 1000 & 699.0919 & 0.012045 & 0.103817 & 0.0702 & 0.129459 & 3.146384 & 6.102771 & 0.010115\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 1391.952 & 0.017838 & 0.18748 & 0.114807 & 0.148541 & 4.765218 & 6.007297 & 0.014668\end{array}$ $\begin{array}{lllllllll}1000 & 972.4422 & 0.026949 & 0.171627 & 0.225703 & 0.187725 & 5.831971 & 6.567721 & 0.011072\end{array}$ $\begin{array}{lllllllll}1000 & 934.4642 & 0.026066 & 0.161105 & 0.085823 & 0.115728 & 4.373668 & 4.070834 & 0.007315\end{array}$ $\begin{array}{llllllllll}1000 & 866.3168 & 0.01262 & 0.089431 & 0.119461 & 0.072188 & 3.719378 & 2.852897 & 0.00727\end{array}$ $\begin{array}{lllllllll}1000 & 1273.248 & 0.012908 & 0.148538 & 0.20432 & 0.150431 & 5.024866 & 5.163222 & 0.00641\end{array}$ $\begin{array}{lllllllll}1000 & 823.7565 & 0.015822 & 0.147482 & 0.076345 & 0.110064 & 4.026913 & 3.795389 & 0.011093 \\ 1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.650954 & 3.84770 & 0\end{array}$ $\begin{array}{lllllllll}1000 & 851.9605 & 0.016614 & 0.102196 & 0.06262 & 0.112367 & 3.659054 & 3.847701 & 0.006847 \\ 1000 & 1601.796 & 0.015977 & 0.160009 & 0.217227 & 0.126429 & 6.013255 & 5.623932 & 0.010656\end{array}$

 $\begin{array}{lllllllll}1000 & 1207.492 & 0.014945 & 0.141934 & 0.070562 & 0.118966 & 4.56244 & 4.745123 & 0.008532 \\ 1000 & 935.9584 & 0.019678 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 & 0.013021\end{array}$ $\begin{array}{lllllllll} & 1000 & 935.9584 & 0.019668 & 0.118969 & 0.132814 & 0.110936 & 3.241528 & 2.916441 \\ 100.013021\end{array}$ $\begin{array}{lllllllll}1000 & 980.2241 & 0.019628 & 0.13932 & 0.136654 & 0.128822 & 4.810954 & 3.927325 & 0.015\end{array}$ $\begin{array}{lllllllll}1000 & 1072.054 & 0.017466 & 0.122536 & 0.101476 & 0.092885 & 3.727004 & 4.754726 & 0.011927 \\ 1000 & 871.3588 & 017403 & 0.117609 & 0.145537 & 0.13896 & 5.782348 & 3.067168 & 0.015504\end{array}$ | 1000 | 871.3598 | 0.017403 | 0.1177609 | 0.148537 | 0.138966 | 5.782348 | 3.967168 | 0.011504 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 50 | 0.486 | 0.015357 | 0.083089 | 0.097764 | 0.0721181 | 2.37546 | 2.844772 | $\begin{array}{lllllllll}1000 & 590.4886 & 0.015357 & 0.083089 & 0.097764 & 0.072181 & 2.37546 & 2.842472 & 0.004875 \\ 1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978\end{array}$ $\begin{array}{lllllllll}1000 & 957.1171 & 0.01292 & 0.160265 & 0.101497 & 0.111401 & 4.423404 & 4.068895 & 0.004978 \\ 1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971\end{array}$ $\begin{array}{lllllllll}1000 & 743.9491 & 0.016466 & 0.140309 & 0.13021 & 0.07799 & 4.981837 & 4.035497 & 0.015971 \\ 1000 & 953.1981 & 0.011467 & 0.079845 & 0.083828 & 0.081971 & 3.130798 & 2.875965 & 0.0075\end{array}$ $\begin{array}{llllllllll}1000 & 786.3665 & 0.011003 & 0.111745 & 0.083138 & 0.085632 & 3.045788 & 4.138835 & 0.006401\end{array}$ $1000779.17980 .007137 \quad 0.074965 \quad 0.0561010 .050071 \quad 2.569714 \begin{array}{llllll}2.318661 & 0.006408\end{array}$ $\begin{array}{lllllllll}1000 & 1138.032 & 0.008071 & 0.069274 & 0.055496 & 0.081711 & 2.420766 & 2.944648 & 0.005274\end{array}$ $\begin{array}{lllllllll}1000 & 967.2996 & 0.007905 & 0.108083 & 0.124799 & 0.112681 & 3.24776 & 3.565569 & 0.010354\end{array}$ $\begin{array}{llllllllll}000 & 1137.394 & 0.011527 & 0.108725 & 0.112716 & 0.098459 & 3.711297 & 3.966414 & 0.009305\end{array}$ $\begin{array}{lllllllll}1000 & 1054.098 & 0.01131 & 0.123678 & 0.131814 & 0.123897 & 4.359598 & 3.59772 & 0.007631 \\ 1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.567727 & 3.09438 & 0.073815\end{array}$ $\begin{array}{lllllllll}1000 & 914.5902 & 0.005783 & 0.108261 & 0.073599 & 0.096779 & 3.566727 & 3.094386 & 0.003815 \\ 1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726\end{array}$ $\begin{array}{lllllllll}1000 & 1191.142 & 0.012159 & 0.1221 & 0.140985 & 0.126218 & 3.815661 & 5.159691 & 0.00726 \\ 1000 & 1190.673 & 0.007676 & 0.136985 & 0.179157 & 0.10538 & 5.111012 & 4.06661 & 0.006932\end{array}$ $\begin{array}{llllllllll}1000 & 781.6559 & 0.00144 & 0.076454 & 0.085927 & 0.092004 & 3.070401 & 4.162695 & 0.005284\end{array}$ $\begin{array}{lllllllll}1000 & 480.0231 & 0.00205 & 0.070863 & 0.072502 & 0.040079 & 2.21988 & 2.657295 & 0.004266\end{array}$



$\begin{array}{llll}0.064153 & 0.428219 & 1.073572 & 1.003504\end{array}$ $\begin{array}{llll}0.140171 & 0.293634 & 0.950208 & 1.022423 \\ 0.138607 & 0.302868 & 0.547557 & 0.758566\end{array}$ $\begin{array}{llllllll}0.205069 & 0.334294 & 0.839476 & 0.990811\end{array}$ $\begin{array}{lllll}0.117092 & 0.327536 & 0.664661 & 0.615615\end{array}$ $\begin{array}{llllll}0.070089 & 0.348601 & 0.742771 & 0.717867\end{array}$ $\begin{array}{lllll}0.14173 & 0.401964 & 1.244778 & 0.727814\end{array}$ $\begin{array}{llll}0.14673 & 0.441382 & 0.728918 & 0.86081 \\ 0.05107 & 0.16422 & 0.389158 & 0.847918\end{array}$ $\begin{array}{llll}0.05107 & 0.160429 & 0.389158 & 0.347918 \\ 0.073356 & 0.152928 & 1.109681 & 0.40038\end{array}$ $\begin{array}{lllll}0.092766 & 0.266071 & 0.906047 & 0.641815\end{array}$ $\begin{array}{lllll}0.105051 & 0.44471 & 1.203955 & 0.955418\end{array}$ $\begin{array}{llllll}0.137519 & 0.291295 & 0.840887 & 0.686718\end{array}$ $\begin{array}{llllll}0.134755 & 0.400055 & 1.503777 & 0.933686\end{array}$ $\begin{array}{lllll}0.077926 & 0.214366 & 0.949633 & 0.819108\end{array}$ $\begin{array}{llll}0.164977 & 0.485574 & 1.189996 & 1.260271 \\ & 0.07714\end{array}$ $\begin{array}{llll}0.097614 & 0.317064 & 1.075284 & 0.677857 \\ & 0.08327 & 0.283005 & 0.650712\end{array}$ $\begin{array}{lllll}0.120502 & 0.395006 & 0.788366 & 0.665403\end{array}$ $\begin{array}{lllll}0.095494 & 0.304593 & 1.25892 & 0.871324\end{array}$ $\begin{array}{llll}0.178691 & 0.368321 & 0.723138 & 0.75187\end{array}$ $\begin{array}{lllll}0.092462 & 0.367114 & 1.216624 & 1.691076\end{array}$ $\begin{array}{llllll}0.091478 & 0.319751 & 0.716276 & 0.748216\end{array}$ $\begin{array}{llll}0.076688 & 0.400829 & 0.578085 & 0.899799\end{array}$ $\begin{array}{llll}0.100714 & 0.268723 & 0.557764 & 1.147369\end{array}$ $\begin{array}{llll}0.18815 & 0.250353 & 1.325762 & 0.905227 \\ 0.197822 & 0.317974 & 1.075452 & 1.116858\end{array}$ $\begin{array}{llll}0.170597 & 0.307017 & 0.592119 & 0.909335\end{array}$ $\begin{array}{lllllll}0.222245 & 0.380056 & 0.796409 & 0.808202\end{array}$ $\begin{array}{lllllll}0.212248 & 0.424086 & 0.819878 & 0.86843\end{array}$ $\begin{array}{lllll}0.227464 & 0.46127 & 0.835362 & 1.225868\end{array}$ $\begin{array}{lllll}0.109399 & 0.236563 & 0.587713 & 0.529187 \\ & 0.151325 & 0.296208 & 1.327717 & 0.619148\end{array}$ $\begin{array}{llll}0.151325 & 0.296208 & 1.324717 & 0.610147\end{array}$ $\begin{array}{lllll}0.200734 & 0.288888 & 0.768089 & 0.779582 \\ 0.12759 & 0.285911 & 0.652162 & 0.707576\end{array}$ 0.126570 .31334800 .7545691279064 $\begin{array}{lllll}0.137394 & 0.415276 & 0.726612 & 0.868712\end{array}$ $\begin{array}{lllll}0.106277 & 0.385841 & 0.727755 & 1.01888\end{array}$ $\begin{array}{lllllllll}0.124579 & 0.267779 & 0.901066 & 0.740187\end{array}$ 0.1339760 .4018130 .8351210 .913973 $\begin{array}{llll}0.227371 & 0.369062 & 0.756709 & 1.063088\end{array}$ $\begin{array}{llll}0.142988 & 0.364877 & 0.785734 & 0.765374 \\ & 0.16683 & 0.322104 & 0.663781\end{array}$ $\begin{array}{llll}0.170449 & 0.262537 & 0.652873 \\ 0 & 0.517265\end{array}$ $\begin{array}{lllll}0.28426 & 0.374279 & 1.127742 & 0.658041\end{array}$ $\begin{array}{lllll}0.245513 & 0.24353 & 0.969393 & 0.846725\end{array}$ $\begin{array}{llll}0.168267 & 0.341253 & 1.328516 & 0.943692\end{array}$ $\begin{array}{lllll}0.243765 & 0.412919 & 0.751608 & 0.887613\end{array}$ $\begin{array}{lllll}0.16887 & 0.329726 & 0.649183 & 0.582005\end{array}$ $\begin{array}{llll}0.199974 & 0.40495 & 1.045296 & 0.891274 \\ 0.195102 & 0.265352 & 0.3361 & 0.893641\end{array}$ $\begin{array}{lllll}0.195102 & 0.265352 & 0.93661 & 0.893641 \\ 0.141689 & 0.335065 & 0.812248 & 1.086095\end{array}$ | 0.219309 | 0.345642 | 2.033384 | 1.222271 |
| :--- | :--- | :--- | :--- | 0.1097840 .2973960 .7933151 .053296 $\begin{array}{lllll}0.205643 & 0.261881 & 0.820912 & 1.083314\end{array}$ $\begin{array}{llll}0.143569 & 0.232453 & 1.20309 & 0.561548\end{array}$ $\begin{array}{llll}0.172645 & 0.358922 & 0.681656 & 0.724674\end{array}$ $\begin{array}{llll}0.209062 & 0.472229 & 0.884543 & 1.244\end{array}$ $\begin{array}{llll}0.11362 & 0.268746 & 0.620917 & 0.680286 \\ 0.175269 & 0.420059 & 0.873942 & 0.97393\end{array}$ $\begin{array}{llll}0.115269 & 0.420059 & 0.873942 & 0.97393 \\ 0.150392 & 0.419424 & 1.35535 & 0.962739\end{array}$ $\begin{array}{lllll}0.214344 & 0.400134 & 0.984841 & 1.220825\end{array}$ $\begin{array}{lllll}0.153693 & 0.3126 & 0.611566 & 0.530872\end{array}$ 0.1287230 .2315920 .9233220 .851162

$\begin{array}{lllllllllll}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 866.0648 & 0.006271 & 0.093015 & 0.073009 & 0.090813 & 4.593151 & 4.872079 & 0.004561 \\ 100 & 1009.83 & 0.011537 & 0.102049 & 0.101 & 0.110023 & 5.890018 & 4.048303 & 0.005168 \\ 1000 & 7225421 & 0.0073 & 0.102356 & 0.09873 & 0.082814 & 3.99296 & 390313 & 0.009318\end{array}$ $\begin{array}{rrrrrrrr}1000 & 722.5421 & 0.0073 & 0.102356 & 0.099873 & 0.082814 & 3.99296 & 3.90313 \\ 0.009318 \\ 1000 & 1303.767 & 0.006945 & 0.126795 & 0.106335 & 0.105594 & 4.05284 & 4.028797 \\ 0.007816\end{array}$ $\begin{array}{lllllllll}1000 & 1468.719 & 0.009617 & 0.093574 & 0.083098 & 0.086163 & 3.98247 & 4.347284 & 0.010149\end{array}$ $\begin{array}{lllllllll}1000 & 1265.676 & 0.006611 & 0.133749 & 0.076141 & 0.10549 & 4.167701 & 3.366054 & 0.004713\end{array}$ $\begin{array}{lllllllll}10000 & 1217.176 & 0.0007694 & 0.2039 & 0.11013 & 0.144815 & 5.108663 & 5.2036264 & 0.00087941 \\ 1000 & 0.13747\end{array}$ $\begin{array}{llllllll}1000 & 12170.257 & 0.0003597 & 0.172183 & 0.234495 & 0.160637 & 5.298311 & 4.7222655 \\ 1000 & 0.0109554 \\ 1000 & 761.5618 & 0.00359 & 0.064412 & 0.075034 & 0.078481 & 2373977 & 1.272426\end{array}$ $\begin{array}{lllllllll}1000 & 761.5618 & 0.003579 & 0.066412 & 0.075034 & 0.078481 & 2.373977 & 1.972426 & 0.002989 \\ 1000 & 541.1439 & 0.003887 & 0.095512 & 0.099387 & 0.071018 & 3.2548 & 2.621313 & 0.005443\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 666.2193 & 0.00873 & 0.109535 & 0.106178 & 0.102754 & 4.080327 & 3.450504 & 0.008829\end{array}$ $\begin{array}{lllllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.539125 & 4.968915 & 0.01309\end{array}$ $\begin{array}{llllllll}1000 & 972.5619 & 0.004917 & 0.16712 & 0.169731 & 0.130767 & 5.5392125 & 4.968915\end{array} 0.01309$ $\begin{array}{lllllllll}1000 & 11777.309 & 0.006974 & 0.142679 & 0.101946 & 0.137164 & 5.821989 & 4.765862 & 0.014689\end{array}$ $\begin{array}{lllllllll}1000 & 770.8305 & 0.001586 & 0.12416 & 0.110096 & 0.105407 & 3.300406 & 3.507801 & 0.011028\end{array}$ $\begin{array}{llllllll}1000 & 1151.999 & 0.006522 & 0.169177 & 0.13858 & 0.14385 & 5.258191 & 4.402483 \\ 1000 & 1241.367 & 0.00720972 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 506889\end{array}$ $\begin{array}{lllllllll}1000 & 1241.367 & 0.007272 & 0.151458 & 0.094204 & 0.105092 & 5.432806 & 5.060819 & 0.011069 \\ 1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636\end{array}$ $\begin{array}{lllllllll}1000 & 929.0257 & 0.003869 & 0.11988 & 0.059585 & 0.085244 & 4.074893 & 3.306545 & 0.008636 \\ 1000 & 1473.146 & 0.009307 & 0.138317 & 0.109451 & 0.153824 & 4.059715 & 4.710853 & 0.007696\end{array}$ $\begin{array}{lllllllllll}1000 & 966.1628 & 0.004894 & 0.134445 & 0.174338 & 0.129753 & 4.613011 & 4.656877 & 0.010829\end{array}$ $\begin{array}{lllllllll}1000 & 1203.369 & 0.006895 & 0.111525 & 0.065892 & 0.124749 & 6.626926 & 5.077498 & 0.009253\end{array}$ $\begin{array}{llllllll}1000 & 959.8813 & 0.0077 & 0.113609 & 0.137747 & 0.142445 & 5.311178 & 4.162853 \\ 0 & 0.013128\end{array}$ $\begin{array}{lllllllll}1000 & 836.3536 & 0.004295 & 0.090361 & 0.04574 & 0.10898 & 3.386657 & 3.330615 & 0.007843\end{array}$ $\begin{array}{llllllllll}1000 & 846.6717 & 0.009314 & 0.125232 & 0.116362 & 0.092421 & 3.447695 & 3.402139 & 0.010669 \\ 1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.09614 & 4.406911 & 3.316749 & 0.010054\end{array}$ $\begin{array}{lllllllll}1000 & 741.6257 & 0.004713 & 0.116791 & 0.101467 & 0.096614 & 4.406911 & 3.316749 & 0.010054 \\ 1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018\end{array}$ $\begin{array}{lllllllll}1000 & 1132.494 & 0.006922 & 0.122758 & 0.10166 & 0.136505 & 6.182313 & 5.630252 & 0.016018 \\ 1000 & 889.9109 & 0.014421 & 0.147095 & 0.148431 & 0.132884 & 5.232413 & 8.299621 & 0.009512\end{array}$ $\begin{array}{llllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529\end{array}$ $\begin{array}{lllllllll}1000 & 842.2973 & 0.008623 & 0.101633 & 0.087453 & 0.093638 & 5.372928 & 5.005573 & 0.008529 \\ 1000 & 1566.007 & 0.009014 & 0.104414 & 0.073815 & 0.087362 & 4.719183 & 4.181501 & 0.006251\end{array}$ $\begin{array}{lllllllll}1000 & 14922.27 & 0.019463 & 0.146279 & 0.088164 & 0.087652 & 4.719183 & 4.181501 & 0.006251 \\ 1000 & 1272335 & 4.469715 & 0.009748\end{array}$ $\begin{array}{lllllllll}1000 & 1232.601 & 0.020557 & 0.153153 & 0.069042 & 0.146379 & 6.120509 & 5.251961 & 0.012305 \\ 1000 & 583.2728 & 0.005053 & 0.082876 & 0.102909 & 0.000287 & 383033 & 3.151745 & 0.012055\end{array}$ $\begin{array}{lllllllll}1000 & 583.27288 & 0.005053 & 0.088276 & 0.10029 & 0.080287 & 3.380303 & 3.151745 & 0.012056 \\ 1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15877 & 5630514 & 4.128274 & 0.08459\end{array}$ $\begin{array}{lllllllll}1000 & 1048.46 & 0.008919 & 0.176991 & 0.123249 & 0.15837 & 5.630514 & 4.128274 & 0.008459\end{array}$ $\begin{array}{lllllllll}1000 & 960.4729 & 0.017961 & 0.232074 & 0.107411 & 0.129209 & 7.594916 & 5.081136 & 0.004667\end{array}$ $\begin{array}{llllllllll}1000 & 1086.937 & 0.010636 & 0.169562 & 0.238057 & 0.163304 & 4.704986 & 4.150655 & 0.011912\end{array}$ $\begin{array}{lllllllll}1000 & 9555.9543 & 0.019108 & 0.148816 & 0.151553 & 0.161313 & 5.081182 & 4.321502 & 0.016432\end{array}$ $\begin{array}{lllllllll}1000 & 1123.867 & 0.015806 & 0.159322 & 0.128121 & 0.201149 & 5.269776 & 4.719362 & 0.010186\end{array}$ $\begin{array}{lllllllll}1000 & 904.6774 & 0.0151 & 0.168578 & 0.153267 & 0.149597 & 6.090176 & 4.683259 & 0.014775\end{array}$
 $\begin{array}{lllllllll}1000 & 1183.671 & 0.016898 & 0.182995 & 0.260827 & 0.166664 & 5.006511 & 5.042121 & 0.011442 \\ 1000 & 944.8484 & 0.013569 & 0.182379 & 0.15304 & 0.19446 & 5.420815 & 5.695089 & 0.013652\end{array}$ $\begin{array}{lllllllll}1000 & 944.8484 & 0.013569 & 0.182379 & 0.153046 & 0.194476 & 5.420815 & 5.695089 & 0.013652 \\ 1000 & 958.666 & 0.01158 & 0.194628 & 0.281344 & 0.177829 & 5.1252 & 4.494743 & 0.01171\end{array}$ $\begin{array}{llllllllll}1000 & 958.666 & 0.01158 & 0.194188 & 0.281344 & 0.17829 & 5.1252 & 4.494743 & 0.01171 \\ 1000 & 759.4089 & 0.017267 & 0.171005 & 0.129457 & 0.119355 & 5.105776 & 3.708357 & 0.011883\end{array}$ $\begin{array}{lllllllll}1000 & 1032.215 & 0.027246 & 0.197718 & 0.198032 & 0.161281 & 4.181784 & 5.245336 & 0.009763\end{array}$ $\begin{array}{llllllll}1000 & 987.8592 & 0.010513 & 0.190424 & 0.174012 & 0.146373 & 3.863268 & 4.735385 \\ 0.008578\end{array}$ $\begin{array}{lllllllll}1000 & 1356.524 & 0.017078 & 0.152932 & 0.158866 & 0.131476 & 5.006098 & 5.672066 & 0.011279\end{array}$ $\begin{array}{llllllllll}1000 & 972.1363 & 0.016554 & 0.124432 & 0.160092 & 0.149319 & 4.486351 & 4.750738 & 0.007207\end{array}$ $\begin{array}{lllllllll}1000 & 758.3561 & 0.018017 & 0.111291 & 0.08496 & 0.157827 & 5.142362 & 4.018699 & 0.001717\end{array}$ $\begin{array}{lllllllll}1000 & 1197.268 & 0.019938 & 0.156896 & 0.124387 & 0.151774 & 7.154569 & 5.428442 & 0.016625 \\ 1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983\end{array}$ $\begin{array}{lllllllll}1000 & 1316.684 & 0.009696 & 0.140315 & 0.169634 & 0.119618 & 4.328879 & 4.629571 & 0.009983 \\ 1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855\end{array}$ $\begin{array}{lllllllll}1000 & 900.5479 & 0.007786 & 0.12633 & 0.051869 & 0.107417 & 4.307879 & 3.484122 & 0.014855 \\ 1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696\end{array}$ $\begin{array}{lllllllll}1000 & 814.1438 & 0.019978 & 0.178403 & 0.223214 & 0.166868 & 5.752371 & 6.404262 & 0.011696 \\ 1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976\end{array}$ $\begin{array}{lllllllll}1000 & 1091.674 & 0.014832 & 0.167888 & 0.134303 & 0.149407 & 4.61263 & 4.11451 & 0.011976 \\ 1000 & 1280.897 & 0.01801 & 0.149515 & 0.25728 & 0.146798 & 5.375388 & 4.469335 & 0.011297\end{array}$ $\begin{array}{llllllllll}1000 & 821.0465 & 0.013111 & 0.163307 & 0.103987 & 0.109989 & 3.213904 & 3.01078 & 0.011848 \\ 1000 & 975.0024 & 0.011618 & 0.204645 & 0.128286 & 0.15069 & 4765431 & 424479 & 0.012293\end{array}$ $\begin{array}{lllllllll}1000 & 975.0024 & 0.0111618 & 0.204645 & 0.128286 & 0.150601 & 4.766431 & 4.244479 & 0.012293 \\ 1000 & 1353.707 & 0.01283 & 0.139656 & 0.261777 & 0.175377 & 578856 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1353.707 & 0.012683 & 0.139656 & 0.261776 & 0.175377 & 5.788586 & 5.628146 & 0.018454\end{array}$ $\begin{array}{lllllllll}1000 & 1226.563 & 0.011309 & 0.110484 & 0.13354 & 0.081493 & 3.712063 & 3.023272 & 0.008563 \\ 1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839\end{array}$ $\begin{array}{lllllllll}1000 & 896.4567 & 0.01143 & 0.156579 & 0.198943 & 0.16846 & 4.327234 & 4.410451 & 0.019839 \\ 1000 & 1504.651 & 0.011049 & 0.115888 & 0.136057 & 0.118441 & 4.878296 & 4.716996 & 0.013628\end{array}$ $\begin{array}{lllllllll}1000 & 1504.0151 & 0.011049 & 0.115888 & 0.136037 & 0.118441 & 4.878696 & 4.716996 & 0.013628 \\ 1000 & 1620.102 & 0.019219 & 0.1676 & 0.239357 & 0.137936 & 5.66185 & 4.911747 & 0.019953\end{array}$ $\begin{array}{llllllllll}1000 & 632.2798 & 0.005042 & 0.144944 & 0.117164 & 0.082411 & 3.868752 & 4.352407 & 0.01109\end{array}$ $\begin{array}{llllllllll}1000 & 1209.605 & 0.012007 & 0.12911 & 0.148343 & 0.127153 & 6.186456 & 4.126125 & 0.013601\end{array}$


[^14]$\begin{array}{lllll}0.156802 & 0.336185 & 0.811196 & 0.660281\end{array}$ $\begin{array}{lllll}0.1304 & 0.416108 & 0.982435 & 0.995332\end{array}$ $\begin{array}{lllll}0.164657 & 0.414642 & 1.286325 & 0.814682\end{array}$ $\begin{array}{lllll}0.16333 & 0.265737 & 1.016627 & 1.505779\end{array}$ $\begin{array}{llllll}0.132063 & 0.150153 & 0.593459 & 0.446199\end{array}$ $\begin{array}{lllll}0.18338 & 0.301563 & 0.63704 & 0.547468\end{array}$ $\begin{array}{lllll}0.193288 & 0.348994 & 0.795246 & 0.624657\end{array}$ $\begin{array}{llll}0.182895 & 0.297279 & 1.522326 & 0.996742\end{array}$ | 0.136166 | 0.448932 | 0.812216 | 0.82741 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.166593 & 0.372239 & 0.740077 & 1.233349\end{array}$ $\begin{array}{lllllll}0.119483 & 0.317661 & 0.955944 & 0.74092\end{array}$ $\begin{array}{llllll}0.092751 & 0.364587 & 1.077446 & 0.670345\end{array}$ $\begin{array}{llllll}0.111184 & 0.329618 & 0.804582 & 0.976275\end{array}$ 0.0825080 .3577870 .5741230 .558875 $\begin{array}{llll}0.093419 & 0.380035 & 0.70936 & 0.535006\end{array}$ $\begin{array}{lllll}0.078632 & 0.327271 & 1.287581 & 0.513471\end{array}$ $\begin{array}{llllll}0.06873 & 0.293347 & 0.6105 & 0.782362\end{array}$ $\begin{array}{llll}0.058713 & 0.586136 & 1.66183 & 0.85649\end{array}$ $\begin{array}{llllll}0.091157 & 0.458787 & 0.886809 & 1.100819\end{array}$ 0.0986020 .639120 .9561670 .905655 0.0838030 .2891851 .5191961 .132648 $\begin{array}{llll}0.097156 & 0.378377 & 2.159132 & 1.047872\end{array}$ $\begin{array}{llll}0.165535 & 0.34826 & 1.100388 & 0.813459 \\ 0.130403 & 0.243433 & 0.89218 & 1.434105\end{array}$ $\begin{array}{lllll}0.069843 & 0.25077 & 0.754967 & 0.703251\end{array}$ $\begin{array}{llll}0.151462 & 0.389644 & 1.021839 & 1.226117\end{array}$ $\begin{array}{lllll}0.125203 & 0.400265 & 1.151153 & 1.301608\end{array}$ $\begin{array}{llllll}0.093322 & 0.268268 & 0.916284 & 0.842831\end{array}$ $\begin{array}{llllll}0.117466 & 0.334103 & 1.234876 & 0.721943\end{array}$ $\begin{array}{lllll}0.07016 & 0.351919 & 0.985397 & 0.894241\end{array}$ $\begin{array}{llll}0.09736 & 0.280501 & 0.912747 & 0.839223 \\ 0.148435 & 0.312799 & 1.322028 & 0.928878\end{array}$ $\begin{array}{llll}181878 & 0.324522 & 0.864256 & 0.933392\end{array}$ $\begin{array}{lllll}0.10109 & 0.360152 & 1.134205 & 0.641044\end{array}$ 0.1131840 .2935090 .6708670 .566619 $\begin{array}{llllllll}0.183946 & 0.261541 & 1.167847 & 0.709528\end{array}$ $\begin{array}{lllll}0.127311 & 0.264422 & 0.981861 & 1.405452\end{array}$ $\begin{array}{llll}0.124406 & 0.262854 & 0.643265 & 0.718278\end{array}$ $\begin{array}{llll}0.141174 & 0.194931 & 0.74248 & 0.580795 \\ 0.140729 & 0.340333 & 1.073844 & 0.678784\end{array}$ $\begin{array}{lllll}0.113245 & 0.251153 & 0.756173 & 1185178\end{array}$ $\begin{array}{lllll}0.186409 & 0.501212 & 1.146377 & 0.825026\end{array}$ $\begin{array}{llllll}0.189009 & 0.39367 & 1.206383 & 0.816558\end{array}$ $\begin{array}{lllllll}0.105343 & 0.273787 & 0.624455 & 0.617395\end{array}$ $\begin{array}{lllll}0.094836 & 0.386038 & 0.65701 & 0.783041\end{array}$ $\begin{array}{llll}0.184515 & 0.366662 & 0.841663 & 0.774902\end{array}$ $\begin{array}{lllll}0.159296 & 0.3642 & 0.577803 & 0.930993 \\ 0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.121885 & 0.315226 & 0.593818 & 0.655791\end{array}$ $\begin{array}{lllll}0.176784 & 0.256771 & 0.663348 & 0.725808\end{array}$ $\begin{array}{llllll}0.272723 & 0.308461 & 0.547783 & 0.806288\end{array}$ $\begin{array}{lllll}0.177843 & 0.236207 & 0.59383 & 0.5019\end{array}$ $\begin{array}{llllllll}0.171904 & 0.229789 & 0.677011 & 0.889999\end{array}$ $\begin{array}{llllll}0.142661 & 0.285705 & 0.707848 & 0.763686\end{array}$ $\begin{array}{lllll}1.250867 & 0.266861 & 0.786235 & 0.787274\end{array}$ $\begin{array}{lllll}0.204669 & 0.302589 & 0.638354 & 0.775784\end{array}$ $\begin{array}{llll}0.277893 & 0.386646 & 1.012239 & 0.704005\end{array}$ $\begin{array}{lllll}0.144698 & 0.26147 & 0.641721 & 0.738944\end{array}$ $\begin{array}{llllllll}0.155367 & 0.24941 & 0.853529 & 0.836242\end{array}$ $\begin{array}{lllll}0.213997 & 0.37382 & 0.937388 & 0.698065\end{array}$


$\begin{array}{llllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688\end{array}$ $\begin{array}{lllllllll}1000 & 1017.45 & 0.010481 & 0.14035 & 0.047314 & 0.106525 & 4.769013 & 4.210747 & 0.024688 \\ 1000 & 1142.785 & 0.012546 & 0.121967 & 0.070598 & 0.106614 & 4.668582 & 4.401344 & 0.015845 \\ 1000 & 848.7296 & 0.010853 & 0.112926 & 0.094467 & 0.087426 & 4072233 & 4.376148 & 0.01277\end{array}$ $\begin{array}{lllllllll} & 1000 & 848.7296 & 0.010853 & 0.119296 & 0.094467 & 0.087426 & 4.072223 & 4.376148 \\ 1000 & 1256.302 & 0.016924 & 0.128327 & 0.097248 & 0.115543 & 6.561202 & 4.883656 & 0.021988\end{array}$ |  | 1000 | 1111.8 | 0.017854 | 0.14843 | 0.175662 | 0.156673 | 4.700749 | 5.092608 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 930.8341 & 0.008851 & 0.109438 & 0.084826 & 0.08084 & 3.122222 & 3.159298 & 0.012982\end{array}$ $\begin{array}{lllllllll}1000 & 931.1121 & 0.009201 & 0.102716 & 0.148806 & 0.117401 & 3.034296 & 3.409186 & 0.007641 \\ 1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.40861 & 3.238818 & 0.008464\end{array}$ $\begin{array}{lllllllll}1000 & 1067.289 & 0.004503 & 0.109293 & 0.094855 & 0.086201 & 4.408601 & 3.239818 & 0.008464 \\ 1000 & 1350.826 & 0.011173 & 0.147193 & 0.17179 & 0.123483 & 4.702893 & 4.875887 & 0.01006\end{array}$ | 1000 | 1350.826 | 0.011173 | 0.147198 | 0.117179 | 0.123483 | 4.708293 | 4.875887 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1029.198 | 0.012516 | 0.118734 | 0.08782 | 0.15033 | 4.75417 | 3.668177 | $\begin{array}{lllllllll}1000 & 1029.198 & 0.012516 & 0.118734 & 0.08782 & 0.15033 & 4.75417 & 3.668177 & 0.013022 \\ 1000 & 1083.312 & 0.004532 & 0.127741 & 0.162303 & 0.100311 & 4.969491 & 4.280666 & 0.00899\end{array}$ $\begin{array}{llllllllll}1000 & 941.5414 & 0.007205 & 0.170751 & 0.09431 & 0.165456 & 5.743736 & 4.801306 & 0.008869\end{array}$ $\begin{array}{llllllllll}1000 & 1121.326 & 0.007873 & 0.111762 & 0.103718 & 0.091189 & 4.249214 & 3.43527 & 0.005157\end{array}$ $\begin{array}{lllllllll}1000 & 1392.806 & 0.002057 & 0.117566 & 0.071279 & 0.104053 & 4.077246 & 4.517924 & 0.006405\end{array}$ $\begin{array}{lllllllll}1000 & 1091.412 & 0.004959 & 0.093483 & 0.127933 & 0.093236 & 4.849564 & 5.131287 & 0.007653\end{array}$ $\begin{array}{lllllllll}1000 & 900.9049 & 0.00151 & 0.094107 \\ 1000 & 0.031457 & 0.038395 & 5.106462 & 5.043172 & 0.004862\end{array}$ $\begin{array}{llllllll}1000 & 814.7465 & 0.006633 & 0.058072 & 0.033558 & 0.063523 & 4.186504 & 4.720677 \\ 1000 & 1169.004543\end{array}$ $\begin{array}{llllllll}1000 & 1169.241 & 0.005851 & 0.078612 & 0.078335 & 0.083863 & 4.821417 & 5.155334 \\ 10.005118 \\ 1000 & 992.3171 & 0.001816 & 0.0529 & 0.043502 & 0.07013 & 4.210088 & 4.24841\end{array} 0.002556$ $\begin{array}{lllllllll}1000 & 1087.796 & 0.003691 & 0.064379 & 0.04535 & 0.054161 & 3.727103 & 3.970125 & 0.00676\end{array}$ $\begin{array}{lllllllll}1000 & 1501.723 & 0.006928 & 0.125066 & 0.073892 & 0.0064441 & 5.986687 & 8.609248 & 0.013161\end{array}$ $\begin{array}{llllllll}1000 & 1741.611 & 0.011028 & 0.081342 & 0.055671 & 0.099129 & 5.652936 & 7.173677 \\ 0.0009522\end{array}$ $\begin{array}{lllllllll}1000 & 1069.434 & 0.01352 & 0.102832 & 0.069983 & 0.083859 & 4.743862 & 5.328806 & 0.006330 \\ 1000 & 807.8561 & 0.005737 & 0.10065 & 0.052482 & 0.109298 & 479463 & 7.116024 & 0.055518\end{array}$ | 1000 | 807.8561 | 0.005737 | 0.10065 | 0.052482 | 0.109298 | 4.74963 | 7.116024 | 0.005518 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1055.094 & 0.006456 & 0.124252 & 0.100999 & 0.108142 & 5.375173 & 6.070532 & 0.00985 \\ 1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825\end{array}$ $\begin{array}{lllllllll}1000 & 942.0141 & 0.015164 & 0.127557 & 0.154428 & 0.132369 & 6.513324 & 5.341631 & 0.015825 \\ 1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551\end{array}$ $\begin{array}{lllllllll}1000 & 795.3978 & 0.008494 & 0.088818 & 0.091471 & 0.092694 & 4.253286 & 3.773473 & 0.007551 \\ 1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915\end{array}$ $\begin{array}{lllllllll}1000 & 1275.662 & 0.008659 & 0.143249 & 0.111692 & 0.130713 & 6.418573 & 4.400282 & 0.008915 \\ 1000 & 1037.89 & 0.013717 & 0.131911 & 0.074119 & 0.158432 & 4.577732 & 5.320336 & 0.015367\end{array}$ $\begin{array}{lllllllll}1000 & 12655.879 & 0.018224 & 0.170052 & 0.195236 & 0.1554158 & 5.577732 & 5.320336 & 0.015367 \\ 10.959382 & 5.998955 & 0.016473\end{array}$ $\begin{array}{llllllll}1000 & 713.3995 & 0.011314 & 0.110475 & 0.110703 & 0.098273 & 3.444358 & 4.219615\end{array} 0.0 .007909$ $\begin{array}{lllllllll}1000 & 953.8412 & 0.015118 & 0.118741 & 0.160586 & 0.11595 & 4.508187 & 5.121374 & 0.019568 \\ 1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.16585 & 5741598 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 970.4365 & 0.014947 & 0.156414 & 0.130431 & 0.166585 & 5.741589 & 5.127931 & 0.012053\end{array}$ $\begin{array}{lllllllll}1000 & 849.4769 & 0.010834 & 0.143213 & 0.144196 & 0.158865 & 4.494118 & 4.937121 & 0.012118 \\ 1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713\end{array}$ $\begin{array}{lllllllll}1000 & 1059.132 & 0.014298 & 0.16593 & 0.128324 & 0.147182 & 5.777002 & 4.594409 & 0.010713 \\ 1000 & 1106.164 & 0.014474 & 0.147302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010067\end{array}$ $\begin{array}{lllllllll}1000 & 1106.164 & 0.014474 & 0.1427302 & 0.173403 & 0.102507 & 5.32305 & 5.973822 & 0.010006 \\ 1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 809.936 & 0.014159 & 0.125223 & 0.068595 & 0.113927 & 4.89642 & 4.075173 & 0.010425 \\ 1000 & 1040.059 & 0.009651 & 0.127832 & 0.081775 & 0.114569 & 4.223157 & 4.191935 & 0.014849\end{array}$ $\begin{array}{lllllllll}1000 & 1171.482 & 0.020334 & 0.144164 & 0.133101 & 0.164684 & 4.785438 & 5.575762 & 0.014057\end{array}$ $\begin{array}{lllllllll}1000 & 1646.916 & 0.018529 & 0.159792 & 0.133121 & 0.129915 & 6.947311 & 5.862058 & 0.018404 \\ 1000 & 763.6563 & 0.010716 & 0.140539 & 0.151825 & 0.194316 & 4.498544 & 4.353987 & 0.01900\end{array}$ | 1000 | 763.6563 | 0.010716 | 0.140539 | 0.151825 | 0.124316 | 4.498544 | 4.353987 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1508.203 | 0.010687 | 0.128005 |  |  |  |  | $\begin{array}{lllllllll}1000 & 1508.203 & 0.010687 & 0.128506 & 0.097149 & 0.107359 & 4.612626 & 4.39047 & 0.013133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.856 & 0.012244 & 0.197738 & 0.150688 & 0.176148 & 5.289377 & 6.998236 & 0.011525 \\ 1000 & 1251.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 & 0.014893\end{array}$ $\begin{array}{llllllll}100 & 12121.061 & 0.015098 & 0.157342 & 0.133949 & 0.147051 & 5.420689 & 6.150688 \\ 10.014893 \\ 100 & 1122.649 & 0.015521 & 0.250811 & 0.167484 & 0.202905 & 7.265624 & 5.987701\end{array} 0.020928$ $\begin{array}{llllllllll}1000 & 962.0733 & 0.016625 & 0.215939 & 0.159062 & 0.175853 & 6.560653 & 6.22709 & 0.02142\end{array}$ $\begin{array}{llllllllll}1000 & 770.4902 & 0.016994 & 0.139025 & 0.148678 & 0.097901 & 4.236309 & 3.655146 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 956.9821 & 0.013562 & 0.135491 & 0.199865 & 0.130878 & 4.243713 & 3.459821 & 0.011978\end{array}$ $\begin{array}{llllllllll}1000 & 937.4786 & 0.021033 & 0.166805 & 0.157606 & 0.172175 & 5.617882 & 6.454599 & 0.018226\end{array}$ $\begin{array}{lllllllll}1000 & 961.2404 & 0.015993 & 0.127944 & 0.129742 & 0.137112 & 6.13795 & 4.861825 & 0.021483\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 820.2564 & 0.007257 & 0.10937 & 0.111452 & 0.100914 & 4.438437 & 3.902792 & 0.01279 \\ 1000 & 1335.21 & 0.01364 & 0.154044 & 0.122629 & 0.142855 & 5.881386 & 6.039327 & 0.017442\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.1345544 & 0.121403 & 0.129164 & 4.341095 & 5.5675332 & 0.014039\end{array}$ $\begin{array}{lllllllll}1000 & 881.6588 & 0.013235 & 0.134554 & 0.121403 & 0.129164 & 4.341095 & 5.567532 & 0.014039 \\ 1000 & 1244.63 & 0.011247 & 0.174337 & 0.132617 & 0.139297 & 6.197774 & 4.604954 & 0.017482\end{array}$ $\begin{array}{lllllllll}1000 & 971.2786 & 0.011286 & 0.151323 & 0.090651 & 0.117186 & 4.558169 & 3.894795 & 0.016378\end{array}$ $\begin{array}{lllllllll}1000 & 988.7095 & 0.01205 & 0.216306 & 0.209494 & 0.174216 & 5.60198 & 5.214343 & 0.016766\end{array}$ $\begin{array}{lllllllll}1000 & 783.35529 & 0.014748 & 0.204592 & 0.119577 & 0.160036 & 4.650595 & 4.77006 & 0.018953\end{array}$ $\begin{array}{lllllllll}1000 & 1040.655 & 0.011167 & 0.213869 & 0.199556 & 0.212736 & 5.314038 & 6.051662 & 0.021187\end{array}$

 $\begin{array}{lllllllll}1000 & 1088.687 & 0.016169 & 0.230405 & 0.156985 & 0.186729 & 5.378874 & 4.971244 & 0.01616 \\ 1000 & 1165.366 & 0.017253 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019575\end{array}$ $\begin{array}{lllllllll}1000 & 1655.366 & 0.017585 & 0.187055 & 0.202714 & 0.19076 & 5.46722 & 5.872159 & 0.019557 \\ 1000 & 1095.185 & 0.015285 & 0.175638 & 0.186831 & 0.186145 & 5.131794 & 5.412978 & 0.014565\end{array}$ $\begin{array}{llllllllll}1000 & 783.2027 & 0.015137 & 0.155587 & 0.125767 & 0.164141 & 4.512005 & 4.913963 & 0.020565\end{array}$ $\begin{array}{llllllllll}1000 & 1233.605 & 0.018933 & 0.264853 & 0.114426 & 0.161266 & 5.761261 & 5.426245 & 0.028715\end{array}$



 | 7271.74 | 539996.1 |
| :--- | :--- |
| 6863.46 | 63308 | $\begin{array}{lll}6863.46 & 63308.6 \\ 7064.51 & 55434.08\end{array}$ $7884.84 \quad 59066.5$ 5685.36 55642.43 8063.9553674 .09 7747.5158694 .55 $\begin{array}{ll}8114.84 & 64530.11 \\ 7691.57 & 81778.95\end{array}$ $\begin{array}{ll}7691.57 & 81778.95 \\ 7276.82 & 70498.48\end{array}$ 7216.8270498 .48

$6400.78 \quad 6988.91$ $7402.83 \quad 61746.68$ 6760.9456398 .86 $\begin{array}{lr}7012.72 \quad 60638 \\ 7529.9 & 57392.69\end{array}$ $\begin{array}{rr}7529.9 & 57392.69 \\ 7715.98 & 60478.69 \\ 6750.79 & 88640.01\end{array}$ $\begin{array}{ll}6750.79 & 88640.01 \\ 8953.37 & 82770.09\end{array}$ 8071.0765043 .34 9698.4472043 .68 $\begin{array}{lr}8543.6 & 59411.5 \\ 7143.73 & 61340.75\end{array}$ 7143.7361340 .75 $\begin{array}{ll}7640.72 & 68951.23 \\ 8057.84 & 60591.34\end{array}$ 7416.0561896 .14 6919.361766 .07 $273.08 \quad 7395.72 \quad 60737.03$ $\begin{array}{llll}273.08 & 8082.27 & 90576.75\end{array}$ $\begin{array}{lll}300.1 & 7404.87 & 92976.08\end{array}$ $\begin{array}{lll} & 769.07 & 76355.62\end{array}$ $6871.58 \quad 57426.61$
8946.24
61309.97 $\begin{array}{cc}8946.24 & 61309.97 \\ 7131.54 & 57214.1\end{array}$ 6957.88 60127.2 $\begin{array}{ll}7286.98 & 64449.8 \\ 7610.22 & 62727.58\end{array}$ $\begin{array}{ll}7610.22 & 62727.58 \\ 9326.78 & 69035.76\end{array}$ $9326.18 \quad 69035.76$

6884.78 66573.16 $\begin{array}{lll}6384.78 & 66573.16 \\ 8666.9 & 53964.73\end{array}$ $7136.62 \quad 53134.79$ $7173.19 \quad 53372.42$ $8218.68 \quad 61948.63$ 7504.48 57806.64 \begin{tabular}{lll}
7759.72 \& 55859.88 <br>
7661.06 \& 53113.5 <br>
\hline

 $\begin{array}{ll}7661.06 & 53113.5 \\ 7901.12 & 62771.02\end{array}$ 

\& 7901.12 \& 62771.02 <br>
\hline 106 \& 7806.51 \& 59928.32

 

7905.19 \& 68037.44 <br>
\hline
\end{tabular} 9351.2762371 .08 $\begin{array}{llll}6684.83 & 59778.33\end{array}$ $6739.63 \quad 64755.03$ $\begin{array}{lll}.6 & 6675.69 & 61356.7 \\ 8 & 7090.92 & 61666.83\end{array}$ $\begin{array}{ccc}08 & 7090.92 & 61666.83 \\ 08 & 10128.67 & 62444.3\end{array}$ 3606 726361632247.3 $\begin{array}{llll} & 66.04 & 6874.63 & 6681237\end{array}$ $\begin{array}{lll}83.04 & 8673.01 & 64884.75 \\ 79.03 & 8076.16 & 66751.77\end{array}$ $\begin{array}{llll}198.04 & 7844.15 & 64477.33\end{array}$ $\begin{array}{lllll} & 185.04 & 9073.73 & 86321.6\end{array}$

$\begin{array}{lllll}0.230898 & 0.270186 & 0.78004 & 0.928512\end{array}$ $\begin{array}{lllll}0.140134 & 0.24849 & 0.689119 & 0.680883\end{array}$ $\begin{array}{llll}0.140134 & 0.24849 & 0.649119 & 0.680883 \\ 0.130199 & 0.27459 & 0.689396 & 0.624972\end{array}$ $\begin{array}{lllll}0.163548 & 0.279662 & 0.589341 & 0.570727\end{array}$ 0.1761460 .3362370 .8626931 .026587 $\begin{array}{lllll}0.292494 & 0.30515 & 0.805705 & 1.195571\end{array}$ $\begin{array}{lllllll}0.201254 & 0.324478 & 0.976163 & 0.729682\end{array}$ $\begin{array}{llll}0.227063 & 0.307171 & 0.714608 & 0.631178\end{array}$ $\begin{array}{llll}0.190455 & 0.289364 & 0.785079 & 0.801556 \\ 0\end{array}$ $\begin{array}{llllll}0.072224 & 0.226845 & 0.782627 & 0.539717\end{array}$ $\begin{array}{llllll}0.113076 & 0.447639 & 0.970233 & 1.027199\end{array}$ $\begin{array}{lllllll}0.119926 & 0.28652 & 0.783641 & 0.633011\end{array}$ $\begin{array}{llllllll}0.112798 & 0.225804 & 0.691258 & 0.503332\end{array}$ $\begin{array}{llllll}0.131127 & 0.389874 & 0.819167 & 0.671266\end{array}$ $\begin{array}{lllll}0.099195 & 0.319679 & 0.781798 & 0.912379\end{array}$ $\begin{array}{llll}0.078449 & 0.280053 & 1.019431 & 0.671522\end{array}$ $\begin{array}{lllll}0.129278 & 0.351031 & 0.688742 & 0.766473 \\ 0.080671 & 0.2815 & 0.822044 & 0.8714\end{array}$ $\begin{array}{lllll}0.071232 & 0.260217 & 0.651118 & 0.725763\end{array}$ $\begin{array}{lllll}0.128938 & 0.321683 & 0.858014 & 0.917607\end{array}$ $\begin{array}{llllllll}0.084558 & 0.229801 & 0.823052 & 0.701739\end{array}$ $\begin{array}{llllll}0.108788 & 0.224678 & 0.617825 & 0.620693\end{array}$ $\begin{array}{llllll}0.121337 & 0.295041 & 0.716769 & 0.704293\end{array}$ $\begin{array}{llll}0.160446 & 0.41753 & 1.023968 & 1.09994\end{array}$ $\begin{array}{lllll}0.112662 & 0.26675 & 1.750835 & 0.599635 \\ 0.170836 & 0.328143 & 1.061372 & 0.833613\end{array}$ $\begin{array}{lllll}0.093653 & 0.250912 & 0.742392 & 0.816426\end{array}$ $\begin{array}{llllllll}0.106374 & 0.254205 & 0.619052 & 1.153454\end{array}$ 0.0897620 .2542160 .6458190 .585819 $\begin{array}{lllllll}0.154657 & 0.352251 & 0.961932 & 0.771304\end{array}$ $\begin{array}{llllll}0.163784 & 0.256604 & 0.922265 & 0.666348\end{array}$ $\begin{array}{llll}0.110016 & 0.286585 & 1.017102 & 0.716451\end{array}$ $\begin{array}{llll}0.160181 & 0.330107 & 1.09292 & 0.877463 \\ 0.15576 & 0.327387 & 0.774473 & 0.636664\end{array}$ $\begin{array}{llllll}0.100747 & 0.282418 & 0.751952 & 0.771978\end{array}$ $\begin{array}{llllll}0.134663 & 0.363025 & 0.915383 & 0.851997\end{array}$ $\begin{array}{lllll}0.082228 & 0.307388 & 0.624414 & 0.864742\end{array}$ $\begin{array}{llllll}0.1026 & 0.24928 & 0.672926 & 0.493024\end{array}$ $\begin{array}{llll}0.106676 & 0.289909 & 0.72159 & 0.67546\end{array}$ $\begin{array}{llll}0.094457 & 0.343748 & 0.768714 & 0.6651\end{array}$ | 0.114449 | 0.25875 | 0.557112 | 0.601476 |
| :--- | :--- | :--- | :--- | :--- |
| 0.135911 | 0.360806 | 0.987067 | 1.088157 | $\begin{array}{lllllll}0.090789 & 0.371671 & 0.772148 & 0.782229\end{array}$ $\begin{array}{lllllll}0.09262 & 0.325875 & 0.561266 & 0.73709\end{array}$ $\begin{array}{llllll}0.083881 & 0.299667 & 0.830413 & 0.666511\end{array}$ $\begin{array}{llllll}0.1447 & 0.422293 & 0.945582 & 0.734678\end{array}$ $\begin{array}{llllll}0.143443 & 0.3523 & 0.919571 & 0.587507\end{array}$ $\begin{array}{llll}0.167543 & 0.396282 & 0.970944 & 1.069375\end{array}$ $\begin{array}{llll}0.124258 & 0.275105 & 0.668327 & 0.602392\end{array}$ $\begin{array}{lllll}0.134348 & 0.270676 & 0.98816 & 0.550136 \\ 0.192105 & 0.338689 & 0.636247 & 0.588992\end{array}$ $\begin{array}{lllll}141369 & 0.546656 & 0.764483 & 0.443153\end{array}$ $\begin{array}{lllll}187319 & 0.283041 & 0.853597 & 0.964403\end{array}$ $\begin{array}{llllllll}0.09474 & 0.310334 & 0.739887 & 0.903526\end{array}$ $\begin{array}{llllll}0.106081 & 0.271062 & 0.719596 & 0.815575\end{array}$ $\begin{array}{lllll}0.182271 & 0.288128 & 0.823962 & 0.725196\end{array}$ $\begin{array}{llllll}0.206834 & 0.290876 & 0.651324 & 0.821548\end{array}$ $\begin{array}{llll}0.148626 & 0.282595 & 0.860872 & 0.592707\end{array}$ $\begin{array}{llllll}146174 & 0.25238 & 0.90399 & 1.36047\end{array}$ $\begin{array}{lllllll}0.113991 & 0.301817 & 0.792045 & 0.599215\end{array}$ $\begin{array}{lllll}0.156446 & 0.329405 & 1.0465 & 0.483873\end{array}$ $0.154986 \quad 0.3312 \quad 0.7532071 .105434$


$\begin{array}{lllllllll}1000 & 887.9524 & 0.01473 & 0.248069 & 0.198029 & 0.142786 & 5.137688 & 4.980527 & 0.018006\end{array}$ $\begin{array}{llllllll}1000 & 867.3468 & 0.010131 & 0.143903 & 0.13618 & 0.116735 & 4.406122 & 3.884694\end{array} 0.0177642$ $\begin{array}{lllllllll}1000 & 784.7645 & 0.009371 & 0.140954 & 0.147785 & 0.129767 & 4.070304 & 4.461351 & 0.01728 \\ 1000 & 945.9256 & 0.011471 & 0.158451 & 0.1391 & 0.131851 & 4.899382 & 4.566477 & 0.016856\end{array}$ | 1000 | 884.3188 | 0.017953 | 0.204395 | 0.152425 | 0.128734 | 5.824482 | 5.175281 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1160.324 & 0.017389 & 0.176751 & 0.264256 & 0.156078 & 4.651903 & 5.425834 & 0.017313\end{array}$ $\begin{array}{lllllllll}1000 & 1313.846 & 0.021562 & 0.147396 & 0.219131 & 0.143996 & 6.334532 & 4.999667 & 0.01948 \\ 1000 & 798.964 & 0.015901 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 797.964 & 0.015991 & 0.135529 & 0.114721 & 0.139514 & 5.227176 & 4.698132 & 0.023238 \\ 1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142\end{array}$ $\begin{array}{lllllllll}1000 & 1076.743 & 0.016512 & 0.166145 & 0.184251 & 0.17537 & 5.733668 & 5.406214 & 0.017142 \\ 1000 & 744.1377 & 0.010678 & 0.130265 & 0.119946 & 0.11263 & 4.4697 & 5.638563 & 0.015663\end{array}$ $\begin{array}{llllllll}1000 & 846.1947 & 0.021427 & 0.134484 & 0.152021 & 0.127934 & 4.442689 & 5.11043\end{array} 0.014506$ $\begin{array}{lllllllll}1000 & 1249.231 & 0.021547 & 0.159864 & 0.207584 & 0.167414 & 5.746253 & 7.260263 & 0.021368\end{array}$ $\begin{array}{lllllllll}1000 & 925.0433 & 0.019497 & 0.138618 & 0.109427 & 0.134722 & 5.552787 & 5.497958 & 0.012596\end{array}$ $\begin{array}{lllllllll}1000 & 7544.79 & 0.016204 & 0.099948 & 0.120966 & 0.101404 & 3.955438 & 3.921658 & 0.009837\end{array}$ $\begin{array}{lllllllll}1000 & 1172.893 & 0.018971 & 0.168977 & 0.156296 & 0.138887 & 5.30376 & 5.447933 & 0.02122\end{array}$ | 1000 | 963.4756 | 0.015143 | 0.205379 | 0.176242 | 0.151974 | 5.20527 | 4.708572 | 0.012716 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 771.4656 & 0.011436 & 0.214561 & 0.171017 & 0.115102 & 5.057164 & 4.70287 & 0.007493\end{array}$ $\begin{array}{lllllllll}1000 & 1225.718 & 0.01196 & 0.171336 & 0.182459 & 0.168498 & 4.824154 & 7.528699 & 0.019295 \\ 1000 & 882.6782 & 0.012412 & 0.152871 & 0.149521 & 0.131225 & 5.26159 & 5.761035 & 0.015812\end{array}$ $\begin{array}{lllllllll}1000 & 1338.528 & 0.013184 & 0.15334 & 0.158204 & 0.119528 & 5.262879 & 5.02923 & 0.018263\end{array}$ $\begin{array}{lllllllll}1000 & 1296.306 & 0.011512 & 0.20774 & 0.295202 & 0.210256 & 5.683772 & 7.912853 & 0.015276\end{array}$ $\begin{array}{lllllllll}1000 & 745.6465 & 0.010502 & 0.194005 & 0.168001 & 0.155749 & 5.852612 & 5.144948 & 0.020733\end{array}$ $\begin{array}{lllllllll}1000 & 757.2693 & 0.012108 & 0.166176 & 0.166317 & 0.1497 & 4.689956 & 3.864714 & 0.016831\end{array}$ $\begin{array}{llllllll}1000 & 1015.736 & 0.014527 & 0.205563 & 0.158379 & 0.168683 & 5.32004 & 5.425239 \\ 0.0221289\end{array}$ $\begin{array}{llllllll}1000 & 1074.823 & 0.013927 & 0.203735 & 0.207421 & 0.217874 & 6.368878 & 6.819768 \\ 1000 & 926.026484 \\ 10855 & 0.015085 & 0.230827 & 0.204376 & 0.182807 & 5.903455 & 5.26396 & 0.024046\end{array}$ | 1000 | 926.5835 | 0.015085 | 0.230827 | 0.204376 | 0.182807 | 5.903455 | 5.26396 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.024046 |  |  |  |  |  |  |
| 1000 | 898.2204 | 0.015649 | 0.195102 | 0.157489 | 0.16402 | 5.050822 | 5.584951 |
| 0 | 0.019425 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 898.2204 & 0.015649 & 0.195102 & 0.157489 & 0.16402 & 5.050822 & 5.584951 & 0.019425 \\ 1000 & 912.5726 & 0.009262 & 0.181564 & 0.186274 & 0.17997 & 4.84903 & 5.128545 & 0.016212\end{array}$

 $\begin{array}{lllllllll}1000 & 1275.078 & 0.012698 & 0.205607 & 0.137215 & 0.174809 & 4.110682 & 4.359856 & 0.016354\end{array}$ $\begin{array}{lllllllll}1000 & 1061.234 & 0.019382 & 0.225091 & 0.319113 & 0.242399 & 5.718729 & 5.575098 & 0.0233336\end{array}$ $\begin{array}{llllllll}1000 & 784.7304 & 0.015147 & 0.224046 & 0.23778 & 0.201353 & 5.197088 & 6.90628 \\ 10.014226\end{array}$ $\begin{array}{llllllll}1000 & 1062.57 & 0.015462 & 0.231463 & 0.261693 & 0.259148 & 5.505104 & 8.205297 \\ 0.0222038\end{array}$ $\begin{array}{lllllllll}1000 & 1019.717 & 0.017795 & 0.24926 & 0.179088 & 0.231229 & 6.305983 & 6.549386 & 0.01858 \\ 1000 & 1138.599 & 0.013649 & 0.205529 & 0.1835 & 0.170692 & 4.715548 & 4.682748 & 0.019628\end{array}$ $\begin{array}{llllllllll}1000 & 1155.414 & 0.007229 & 0.199426 & 0.130836 & 0.192509 & 6.229401 & 5.056332 & 0.011295\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 999.3208 & 0.014832 & 0.190173 & 0.168107 & 0.160541 & 5.63703 & 5.371055 & 0.012433\end{array}$ $\begin{array}{llllllllllll}1000 & 1611.522 & 0.014435 & 0.213377 & 0.138627 & 0.205949 & 4.957959 & 5.090189 & 0.015413\end{array}$ $\begin{array}{lllllllll}1000 & 811.3092 & 0.016964 & 0.169815 & 0.119202 & 0.16115 & 4.467684 & 4.691604 & 0.020149\end{array}$ $\begin{array}{lllllllll}1000 & 1041.512 & 0.01846 & 0.218625 & 0.170534 & 0.206347 & 5.777996 & 5.65135 & 0.024937 \\ 1000 & 809.1549 & 0.015392\end{array}$ $\begin{array}{lllllllll}1000 & 809.1549 & 0.015332 & 0.196723 & 0.226187 & 0.188958 & 7.1115366 & 6.2318815 & 0.019692 \\ 1000 & 9222.9062 & 0.015924 & 0.122791 & 0.113854 & 0.127121 & 306658 & 4.48765 & 0.009234\end{array}$ \begin{tabular}{lllllllll}
1000 \& 922.9062 \& 0.015924 \& 0.122791 \& 0.113854 \& 0.127121 \& 3.906758 \& 4.488765 \& 0.009234 <br>
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 $\begin{array}{lllllllll}1000 & 801.508 & 0.016762 & 0.147692 & 0.203826 & 0.17376 & 6.478555 & 4.779396 & 0.020119 \\ 1000 & 1457.967 & 0.017712 & 0.149609 & 0.210551 & 0.182234 & 4.758408 & 4.207585 & 0.014774\end{array}$ $\begin{array}{lllllllll}1000 & 815.3718 & 0.017265 & 0.163488 & 0.177886 & 0.154695 & 4.041078 & 3.570728 & 0.0155\end{array}$ $\begin{array}{lllllllll}1000 & 1408.84 & 0.025148 & 0.224114 & 0.147099 & 0.21362 & 6.227531 & 5.564914 & 0.01595\end{array}$ $\begin{array}{lllllllll}1000 & 1364.606 & 0.029779 & 0.1752 & 0.207639 & 0.24573 & 6.111625 & 5.587419 & 0.018034\end{array}$ $\begin{array}{lllllllll}1000 & 1034.668 & 0.024839 & 0.2047 & 0.166096 & 0.190413 & 5.739475 & 4.901621 & 0.014788\end{array}$ $\begin{array}{lllllllll}1000 & 1687.716 & 0.026204 & 0.18178 & 0.17546 & 0.195454 & 6.326394 & 5.204213 & 0.019607\end{array}$ $\begin{array}{lllllllll}1000 & 937.2133 & 0.010714 & 0.159886 & 0.198541 & 0.114558 & 4.703155 & 4.431773 & 0.015083\end{array}$ $\left.\begin{array}{llllllll}1000 & 955.6852 & 0.019208 & 0.192642 & 0.21077 & 0.192658 & 5.535497 & 5.040963 \\ 10.014935 \\ 1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095\end{array}\right) 0.01408$ $\begin{array}{lllllllll}1000 & 970.8847 & 0.014764 & 0.169696 & 0.141552 & 0.177458 & 5.42316 & 5.536095 & 0.01408 \\ 1000 & 721.7317 & 0.011259 & 0.126972 & 0.153926 & 0.109748 & 5.168438 & 4.081017 & 0.019884\end{array}$ $\begin{array}{lllllllll}1000 & 978.8613 & 0.020827 & 0.171602 & 0.138375 & 0.135657 & 4.608329 & 4.898688 & 0.01418\end{array}$ $\begin{array}{lllllllll}1000 & 858.4745 & 0.016065 & 0.183134 & 0.148942 & 0.162199 & 4.585432 & 5.236608 & 0.016912\end{array}$ $\begin{array}{lllllllll}1000 & 1139.327 & 0.017657 & 0.181998 & 0.177058 & 0.163322 & 4.226618 & 4.617964 & 0.013363\end{array}$ $\begin{array}{lllllllll}1000 & 908.34406 & 0.018291 & 0.220114 & 0.22481 & 0.224499 & 5.249327 & 5.42221 & 0.0255131\end{array}$ $\begin{array}{lllllllll}1000 & 1059.108 & 0.013934 & 0.194648 & 0.141159 & 0.201267 & 6.749642 & 4.906608 & 0.024667\end{array}$ 

1000 \& 1018.021 \& 0.01271 \& 0.198637 \& 0.185134 \& 0.179844 \& 4.921095 \& 5.086247 \& 0.014283 <br>
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\end{tabular} $\begin{array}{lllllllll}1000 & 1030.122 & 0.017085 & 0.218791 & 0.210625 & 0.151154 & 5.179916 & 5.981964 & 0.017916 \\ 1000 & 1038.126 & 0.012572 & 0.173904 & 0.135619 & 0.141515 & 6.257767 & 5.54675 & 0.022119\end{array}$ $\begin{array}{lllllllll}1000 & 859.6989 & 0.007786 & 0.15552 & 0.122057 & 0.109844 & 4.642348 & 4.549868 & 0.013024\end{array}$ $\begin{array}{lllllllll}1000 & 1003.592 & 0.008224 & 0.13663 & 0.147302 & 0.130995 & 4.760769 & 4.641888 & 0.020251\end{array}$ $\begin{array}{llllllllll}1000 & 1136.455 & 0.010831 & 0.151009 & 0.154676 & 0.133461 & 6.096725 & 6.86855 & 0.022383\end{array}$



$\begin{array}{llll}0.165271 & 0.338562 & 0.732043 & 0.802811\end{array}$ $\begin{array}{llll}0.08833 & 0.284086 & 0.887289 & 0.899417\end{array}$ $\begin{array}{llllllllll}0.158159 & 0.397397 & 0.888639 & 0.882836\end{array}$ $\begin{array}{llll}0.10796 & 0.32011 & 0.691909 & 0.91527\end{array}$ $\begin{array}{llll}0.172038 & 0.362428 & 0.911608 & 0.877064 \\ 0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0\end{array}$ $\begin{array}{llll}0.112214 & 0.259211 & 0.917112 & 1.049854 \\ 0.109168 & 0.359337 & 0.992617 & 1.11677\end{array}$ $\begin{array}{llll}0.129168 & 0.359337 & 0.992617 & 1.1167 \\ 0.176259 & 0.307427 & 0.841979 & 0.816764\end{array}$ $\begin{array}{lllll}0.085104 & 0.199712 & 0.556872 & 0.422675\end{array}$ 01181470.267365 $\begin{array}{llllll}0.181517 & 0.190571 & 0.658322 & 0.499067\end{array}$ $\begin{array}{lllll}0.185258 & 0.326195 & 0.650961 & 0.815807\end{array}$ $\begin{array}{lllll}0.123327 & 0.307502 & 0.665961 & 0.794382\end{array}$ $\begin{array}{llll}0.169806 & 0.28978 & 0.710669 & 0.84874\end{array}$ $\begin{array}{lllll}0.146305 & 0.317436 & 0.802996 & 0.794008\end{array}$ $\begin{array}{llll}0.219157 & 0.22734 & 0.856035 & 1.020257 \\ 0.187093\end{array}$ $\begin{array}{llll}0.181093 & 0.354251 & 0.873314 & 1.071379 \\ 0.162029 & 0.258501 & 0.675359 & 0.575371\end{array}$ $\begin{array}{llll}0.136132 & 0.197712 & 0.530078 & 0.482802\end{array}$ $\begin{array}{lllll}0.121159 & 0.213008 & 0.608518 & 0.922193\end{array}$ $\begin{array}{lllll}0.155293 & 0.272129 & 0.660606 & 0.868754\end{array}$ $\begin{array}{llllll}0.177759 & 0.197887 & 0.557299 & 0.581829\end{array}$ $\begin{array}{llll}0.321271 & 0.276006 & 1.062382 & 0.814761\end{array}$ $\begin{array}{llll}0.289553 & 0.225967 & 0.738939 & 0.608307\end{array}$ $\begin{array}{llll}0.330662 & 0.298546 & 0.802771 & 0.736004 \\ & 0336791 & 0.295036 & 0.7079\end{array}$ $\begin{array}{llll}0.235495 & 0.292528 & 1.23221 & 0.899102\end{array}$ $\begin{array}{lllll}0.284802 & 0.330788 & 1.383711 & 1.264245\end{array}$ $\begin{array}{lllll}0.198263 & 0.228588 & 0.90775 & 0.849767\end{array}$ $0.2379470 .3216510 .779528 \quad 0.891981$ $\begin{array}{llll}0.203474 & 0.204946 & 0.594556 & 0.532672\end{array}$ $\begin{array}{llll}0.135049 & 0.181097 & 0.478103 & 0.428293\end{array}$ $\begin{array}{llll}0.230671 & 0.390474 & 1.044096 & 1.090519 \\ 0\end{array}$ $\begin{array}{lllll}0.197074 & 0.417694 & 0.727016 & 0.81183\end{array}$ $\begin{array}{lllll}0.237592 & 0.330438 & 0.802532 & 1.192467\end{array}$ $\begin{array}{lllll}0.123695 & 0.29601 & 0.565638 & 0.534249\end{array}$ $\begin{array}{llllll}0.130955 & 0.305862 & 0.640145 & 0.846337\end{array}$ $\begin{array}{lllll}0.125303 & 0.286481 & 0.643937 & 0.563699\end{array}$ $\begin{array}{llll}0.126027 & 0.21043 & 0.681041 & 0.546393\end{array}$ $\begin{array}{llll}0.181197 & 0.335136 & 0.736292 & 0.752254 \\ & 0.72715 & 3323128\end{array}$ $\begin{array}{llll}0.2104947 & 0.314711 & 1.8282044 & 0.854767 \\ 0.65071\end{array}$ $\begin{array}{llll}0.095178 & 0.333466 & 0.570041 & 1.077624\end{array}$ $\begin{array}{lllll}0.151505 & 0.382963 & 0.840817 & 0.676775\end{array}$ $\begin{array}{llllll}0.221014 & 0.297386 & 0.863257 & 0.674005\end{array}$ $\begin{array}{llllll}0.138012 & 0.32848 & 1.361703 & 0.742897\end{array}$ $\begin{array}{lllll}0.128781 & 0.36134 & 0.957561 & 0.72816\end{array}$ $\begin{array}{rlll}0.103028 & 0.219795 & 0.654247 & 0.502931 \\ 0.2437 & 0.353494 & 0.763599 & 1039793\end{array}$ | 0.175402 | 0.353494 | 0.763599 | 1.039793 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.164517 & 0.362175 & 0.906525 & 0.993519\end{array}$ $\begin{array}{lllll}0.171937 & 0.260152 & 0.938156 & 0.739868\end{array}$ $\begin{array}{llll}0.132644 & 0.174829 & 0.809374 & 0.470407\end{array}$ $\begin{array}{llll}0.201009 & 0.318549 & 0.687642 & 0.75015\end{array}$ $\begin{array}{llll}0.157142 & 0.333203 & 1.253733 & 0.921224\end{array}$ $0.207218 \quad 0.412280 .9623391 .417192$ $\begin{array}{llll}0.111799 & 0.199117 & 0.518257 & 0.501246 \\ 0.232784 & 0.342213 & 0.890702 & 0.819462\end{array}$ $\begin{array}{lllll}0.2348387 & 0.329643 & 0.89270255 & 0.819462 \\ 0.584618\end{array}$ $\begin{array}{lllll}0.037689 & 0.209663 & 0.505199 & 0.580535\end{array}$ $\begin{array}{llllll}0.141267 & 0.381155 & 0.761783 & 1.014944\end{array}$ 0.102270 .2975240 .7467080 .630682

$\begin{array}{lllllllllllll}1000 & 1176.392 & 0.009339 & 0.223882 & 0.147924 & 0.197233 & 5.936977 & 5.828634 & 0.032122\end{array}$ $\begin{array}{llllllll}1000 & 1449.911 & 0.008455 & 0.201244 & 0.228758 & 0.182252 & 5.894502 & 7.321412\end{array} 0.0180344$ $\begin{array}{lllllllll}1000 & 1206.725 & 0.006613 & 0.208257 & 0.166548 & 0.182256 & 5.410039 & 6.298387 & 0.02793\end{array}$ $\begin{array}{lllllllll}1000 & 1153.112 & 0.011608 & 0.201524 & 0.189737 & 0.223577 & 6.153722 & 6.539302 & 0.016479\end{array}$ $\begin{array}{lllllllllll}1000 & 879.7162 & 0.005654 & 0.15734 & 0.184669 & 0.141257 & 4.800851 & 4.911867 & 0.017684\end{array}$ $\begin{array}{llllllllll}1000 & 1027.488 & 0.016847 & 0.164701 & 0.21048 & 0.190027 & 5.177158 & 5.763312 & 0.023053\end{array}$ $\begin{array}{lllllllll}1000 & 951.7502 & 0.006738 & 0.180962 & 0.145331 & 0.164149 & 6.057076 & 5.41244 & 0.023046 \\ 1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824\end{array}$ $\begin{array}{lllllllll}1000 & 746.1867 & 0.007409 & 0.106513 & 0.106713 & 0.088385 & 4.104833 & 4.706857 & 0.013824 \\ 1000 & 885.1377 & 0.006764 & 0.198827 & 0.131814 & 0.169379 & 5426682 & 6.010938 & 0.021124\end{array}$ $\begin{array}{lllllllllllll}1000 & 654.2223 & 0.005489 & 0.121579 & 0.129549 & 0.116736 & 4.104841 & 3.968783 & 0.02032\end{array}$ $\begin{array}{llllllllllllllllllll}1000 & 918.0312 & 0.009419 & 0.104564 & 0.136506 & 0.085761 & 4.602403 & 4.310337 & 0.018862\end{array}$ $\begin{array}{lllllllllll}1000 & 700.2395 & 0.008863 & 0.144063 & 0.103809 & 0.121134 & 4.537471 & 4.491602 & 0.016519\end{array}$ $\begin{array}{lllllllll}1000 & 869.2292 & 0.008412 & 0.14245 & 0.11005 & 0.114931 & 4.595378 & 4.358848 & 0.014358\end{array}$ $\begin{array}{lllllllll}1000 & 869.3904 & 0.006875 & 0.125011 & 0.136946 & 0.119646 & 4.237999 & 4.094896 & 0.017452\end{array}$ $\begin{array}{lllllllll}1000 & 891.4142 & 0.011485 & 0.143277 & 0.1025 & 0.146308 & 6.116371 & 5.315717 & 0.015843 \\ 1000 & 118231 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069\end{array}$ $\begin{array}{lllllllll}1000 & 1182.31 & 0.009507 & 0.139772 & 0.140114 & 0.134146 & 5.877541 & 5.594354 & 0.024069 \\ 1000 & 1043.289 & 0.007826 & 0.184451 & 0.123694 & 0.112409 & 4.95562 & 6.974302 & 0.019683\end{array}$ $\begin{array}{lllllllll}1000 & 1043.289 & 0.007826 \\ 1000 & 954.4033 & 0.011123 & 0.137867 & 0.090998 & 0.118355 & 3.983603 & 4.160302 & 0.011392\end{array}$ $\begin{array}{lllllllllllllllllllll}1000 & 893.2369 & 0.011098 & 0.095617 & 0.090043 & 0.1213 & 3.495246 & 3.893414 & 0.017505\end{array}$ $\begin{array}{llllllllll}1000 & 835.9977 & 0.010314 & 0.136617 & 0.12727 & 0.147919 & 4.960541 & 5.59141 & 0.014411\end{array}$ $\begin{array}{lllllllll}1000 & 1297.313 & 0.014084 & 0.140502 & 0.109721 & 0.152725 & 4.666128 & 5.403496 & 0.016234\end{array}$ $\begin{array}{llllllllll}1000 & 752.0421 & 0.007843 & 0.147911 & 0.065681 & 0.093297 & 4.553517 & 4.988777 & 0.015082\end{array}$ $\begin{array}{lllllllll}1000 & 1062.285 & 0.007624 & 0.168544 & 0.128656 & 0.156726 & 6.10898 & 7.585749 & 0.012887 \\ 1000 & 7353933 & 0.09541 & 0.13563 & 0.11779 & 0.125503 & 5.03335 & 4.60448 & 0.016108\end{array}$ $\begin{array}{llllllll}1000 & 735.3933 & 0.009541 & 0.134563 & 0.117798 & 0.125503 & 5.03835 & 4.604488 \\ 0.016102 \\ 1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 0 & 0.016084\end{array}$ $\begin{array}{rrrrrrrr}1000 & 911.0482 & 0.0113 & 0.203018 & 0.206825 & 0.17336 & 4.506087 & 6.45267 \\ 1000 & 911.2085 & 0.012915 & 0.219113 & 0.221307 & 0.19587 & 5.268428 & 5.498046 \\ 0.017847\end{array}$ $\begin{array}{lllllllll}1000 & 1201.721 & 0.016389 & 0.202642 & 0.2137672 & 0.230505 & 5.272565 & 5.612118 & 0.01259\end{array}$ $\begin{array}{lllllllll}1000 & 1885.152 & 0.017527 & 0.266048 & 0.279222 & 0.258977 & 6.9777264 & 8.691399 & 0.024364\end{array}$ $\begin{array}{lllllllll}1000 & 739.1992 & 0.0159476 & 0.1893356 & 0.2179222 & 0.258977 & 6.977264 & 8.691399 & 0.024364 \\ 1003 & 0.136877 & 4.481139 & 5.351045 & 0.011933\end{array}$ $\begin{array}{llllllll}1000 & 752.9992 & 0.010357 & 0.15088 & 0.15167 & 0.133039 & 4.982923 & 5.020168 \\ 0.014422\end{array}$ $\begin{array}{lllllllll}1000 & 680.2828 & 0.011216 & 0.1245 & 0.090278 & 0.11912 & 3.935628 & 4.657557 & 0.010617 \\ 1000 & 557.0139 & 0.00538 & 0.120956 & 0.137526 & 0.108055 & 3.20269 & 3.785064 & 0.02774\end{array}$ $\begin{array}{lllllllll}1000 & 557.9139 & 0.005538 & 0.120956 & 0.137526 & 0.108085 & 3.120269 & 3.785064 & 0.00774 \\ 1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182\end{array}$ $\begin{array}{lllllllll}1000 & 1151.696 & 0.011785 & 0.258941 & 0.248927 & 0.1943 & 6.343155 & 7.208616 & 0.024182 \\ 1000 & 1189.649 & 0.008888 & 0.16959 & 0.126933 & 0.157421 & 5788241 & 4.21145 & 0.012183\end{array}$ $\begin{array}{lllllllll}1000 & 11290.852 & 0.010162 & 0.206757 & 0.13846 & 0.187256 & 5.202437 & 4.758804 & 0.0144266\end{array}$ $\begin{array}{llllllllll}1000 & 1040.924 & 0.009145 & 0.221482 & 0.239852 & 0.204726 & 4.940656 & 6.836391 & 0.017954\end{array}$ $\begin{array}{lllllllllllllllll}1000 & 797.1574 & 0.009127 & 0.165092 & 0.111927 & 0.114574 & 4.989907 & 5.534317 & 0.011612\end{array}$ $\begin{array}{llllllllll}1000 & 842.8301 & 0.015222 & 0.203262 & 0.131686 & 0.141071 & 4.391348 & 4.935339 & 0.011716\end{array}$ $\begin{array}{llllllllll}1000 & 1490.755 & 0.009048 & 0.181139 & 0.217471 & 0.150057 & 4.144053 & 4.451831 & 0.010303\end{array}$ $\begin{array}{lllllllll}1000 & 961.1447 & 0.007994 & 0.183743 & 0.125846 & 0.124451 & 4.247568 & 4.144942 & 0.011485\end{array}$ $\begin{array}{lllllllll}1000 & 962.3905 & 0.011964 & 0.209469 & 0.173386 & 0.17194 & 6.76561 & 5.541092 & 0.012575 \\ 1000 & 873.0617 & 0.007003 & 0.251627 & 0.133829 & 0.144111 & 5.760294 & 5.783176 & 0.014397\end{array}$ $\begin{array}{llllllllll}1000 & 914.313 & 0.012789 & 0.283389 & 0.184466 & 0.223957 & 6.340428 & 5.826989 & 0.02472\end{array}$ $\begin{array}{lllllllllll}1000 & 861.282 & 0.008701 & 0.140124 & 0.155393 & 0.153308 & 3.810806 & 3.752644 & 0.018202\end{array}$ $\begin{array}{lllllllll}1000 & 1100.071 & 0.015636 & 0.176067 & 0.128857 & 0.183139 & 5.060252 & 5.43718 & 0.014926\end{array}$ $\begin{array}{llllllllll}1000 & 839.6375 & 0.01069 & 0.154724 & 0.230483 & 0.131266 & 5.079039 & 4.870354 & 0.011872\end{array}$ $\begin{array}{lllllllll}1000 & 838.8934 & 0.015243 & 0.162842 & 0.200806 & 0.146669 & 4.74062 & 4.918612 & 0.014553\end{array}$ $\begin{array}{lllllllll}1000 & 1378.606 & 0.014767 & 0.155251 & 0.114664 & 0.1482 & 5.818197 & 6.743419 & 0.01637 \\ 1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.99339 & 4.092147 & 3.987655 & 0.010248\end{array}$ $\begin{array}{llllllll}1000 & 664.2139 & 0.013271 & 0.102653 & 0.08862 & 0.099339 & 4.092147 & 3.987655 \\ 0 & 0.010248 \\ 1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 \\ 0 & 0.010942\end{array}$ $\begin{array}{lllllllll}1000 & 985.4243 & 0.014182 & 0.121483 & 0.122586 & 0.12754 & 6.412877 & 7.86948 & 0.010942 \\ 1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581\end{array}$ $\begin{array}{lllllllll}1000 & 1055.963 & 0.012556 & 0.141558 & 0.107016 & 0.096295 & 6.164392 & 5.537175 & 0.012581 \\ 1000 & 1220.21 & 0.015937 & 0.119136 & 0.074566 & 0.1284 & 4.988453 & 4.849615 & 0.007617\end{array}$ $\begin{array}{llllllllll}1000 & 967.6882 & 0.018448 & 0.114783 & 0.059078 & 0.087726 & 4.565373 & 5.972436 & 0.010202\end{array}$ $\begin{array}{lllllllll}1000 & 1068.855 & 0.013434 & 0.093523 & 0.08464 & 0.067873 & 4.065189 & 4.546352 & 0.004419\end{array}$ $\begin{array}{lllllllllll}1000 & 1196.088 & 0.014084 & 0.122829 & 0.105532 & 0.061107 & 5.353264 & 5.558762 & 0.008483\end{array}$ $\begin{array}{lllllllll}1000 & 1157.73 & 0.020874 & 0.11678 & 0.163834 & 0.099527 & 4.918226 & 6.4911266 & 0.0074005 \\ 1000 & 1119.189 & 0.022058 & 0.122284 & 0.174515 & 0.105391 & 628878 & 526944 & 0.015879\end{array}$ $\begin{array}{lllllllll}1000 & 1119.189 & 0.022958 & 0.122184 & 0.174519 & 0.105301 & 6.248778 & 5.269644 & 0.015879 \\ 1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536\end{array}$ $\begin{array}{lllllllll}1000 & 568.6832 & 0.01076 & 0.068473 & 0.073635 & 0.065578 & 2.898326 & 3.606422 & 0.004536 \\ 1000 & 1333.524 & 0.016198 & 0.146672 & 0.110766 & 0.103401 & 5.952586 & 6.333566 & 0.008493\end{array}$ $\begin{array}{llllllllll}1000 & 1087.527 & 0.015839 & 0.126906 & 0.117121 & 0.112544 & 4.09639 & 4.576249 & 0.0009812\end{array}$ $\begin{array}{llllllllll}1000 & 974.8009 & 0.01059 & 0.069674 & 0.050936 & 0.06646 & 3.033334 & 2.955827 & 0.008834\end{array}$ $\begin{array}{llllllllllll}1000 & 1329.793 & 0.016656 & 0.136245 & 0.094476 & 0.125941 & 5.645652 & 5.429001 & 0.010726\end{array}$ $\begin{array}{lllllllllll}1000 & 1129.234 & 0.012297 & 0.092571 & 0.072281 & 0.09431 & 4.768411 & 4.802033 & 0.008293\end{array}$


[^15]$\begin{array}{llllll}0.12437 & 0.30944 & 0.905182 & 0.666773\end{array}$ $\begin{array}{lllll}0.112747 & 0.381252 & 0.73942 & 0.633301\end{array}$ 0.127410 .2449330 .6447990 .58666 100180.2898040 .5861960 .626755 $\begin{array}{llll}0.079185 & 0.250671 & 0.546795 & 0.577488 \\ 0.094014 & 0.327255 & 0.609622 & 0.705275\end{array}$ $\begin{array}{lllllll}0.067652 & 0.242634 & 0.551861 & 0.452938\end{array}$ $\begin{array}{lllll}0.078676 & 0.283023 & 0.691621 & 0.375085\end{array}$ $\begin{array}{llll}0.122181 & 0.326381 & 0.778171 & 0.659199 \\ 0.074673 & 0.253273 & 0.607094 & 0.588179\end{array}$ $\begin{array}{llll}0.064092 & 0.187657 & 0.580469 & 0.643254\end{array}$ $\begin{array}{llllllllllll}0.085947 & 0.268046 & 0.900378 & 0.685577\end{array}$ $\begin{array}{llllllll}0.068185 & 0.284287 & 0.745242 & 0.663225\end{array}$ $\begin{array}{llllll}0.089826 & 0.414334 & 0.693625 & 0.485931\end{array}$ $\begin{array}{lllllllll}0.106994 & 0.364996 & 1.165837 & 0.683796\end{array}$ $\begin{array}{llll}0.117147 & 0.329575 & 0.751998 & 0.814782\end{array}$ 0.0914310 .3958870 .7392380 .787424 | 0.165342 | 0.297821 | 0.931199 | 0.8494446 |
| :--- | :--- | :--- | :--- | :--- | $0.1736360 .2756390 .661189 \quad 0.680127$ $\begin{array}{llllll}0.169387 & 0.348886 & 0.707563 & 1.677468\end{array}$ $\begin{array}{llllllll}0.081075 & 0.217724 & 0.505679 & 0.545732\end{array}$ $\begin{array}{llllllllll}0.143651 & 0.33046 & 0.835232 & 0.921258\end{array}$ $\begin{array}{llllll}0.147403 & 0.316587 & 0.923051 & 0.779947\end{array}$ $\begin{array}{lllll}0.114674 & 0.236582 & 1.033911 & 0.667252 \\ 0.09075 & 0.23580 & 0.63318 & 0.55774\end{array}$ $\begin{array}{llll}0.05075 & 0.235804 & 1.6373318 & 0.55274 \\ & 0.078227 & 0.257924 & 0.536975\end{array}$ 1263670.3139210 .7194520 .979811 $0.1509570 .447099 \quad 0.7158590 .678464$ $\begin{array}{llllll}0.076217 & 0.266301 & 0.764912 & 0.442219\end{array}$ $\begin{array}{lllll}0.124691 & 0.35631 & 0.990766 & 0.974501\end{array}$ $\begin{array}{llll}0.110196 & 0.305379 & 0.805359 & 1.09134\end{array}$ $\begin{array}{llll}0.10797 & 0.295199 & 0.841204 & 0.532967\end{array}$ $\begin{array}{lllll}0.106575 & 0.269535 & 0.651404 & 0.756117 \\ 0.13957 & 0.300914 & 0.972862 & 0.896515\end{array}$ 0869780.2544580 .566019 $\begin{array}{lllll}0.113092 & 0.245508 & 0.51395 & 0.981856\end{array}$ $\begin{array}{lllll}0.143095 & 0.39238 & 1.286654 & 1.083127\end{array}$ $\begin{array}{llllll}0.097734 & 0.23606 & 0.529174 & 0.565799\end{array}$ $\begin{array}{llllll}0.149912 & 0.426281 & 1.028886 & 0.746812\end{array}$ $\begin{array}{lllll}0.159933 & 0.367895 & 0.797849 & 0.924965\end{array}$ $\begin{array}{llll}0.119984 & 0.278304 & 0.654384 & 0.742527 \\ 0.089225 & 0.302501 & 0.63458 & 0.639997\end{array}$ $\begin{array}{lllll}0.11448 & 0.34959 & 0.715291 & 0780763\end{array}$ $\begin{array}{lllll}0.100671 & 0.232818 & 0.864757 & 0.570118\end{array}$ $\begin{array}{lllll}0.141114 & 0.327564 & 1.11474 & 0.647769\end{array}$ $\begin{array}{llllllll}0.137736 & 0.452474 & 0.703285 & 1.078613\end{array}$ 0.0747430 .3616491 .0867710 .874955 $\begin{array}{llll}0.123009 & 0.271271 & 0.84236 & 0.829999\end{array}$ $\begin{array}{lllll}0.094344 & 0.338133 & 0.823827 & 0.654503\end{array}$ $\begin{array}{lllll}0.1077824 & 0.480215 & 0.835188 & 1.563535\end{array}$ $0.085 \quad 0.3673190 .6383140 .880174$ $\begin{array}{llllll}0.118366 & 0.26524 & 0.860274 & 1.521522\end{array}$ $\begin{array}{lllllll}0.119442 & 0.306921 & 0.706822 & 0.588799\end{array}$ $\begin{array}{llllll}0.097932 & 0.344529 & 0.649995 & 0.720958\end{array}$ $\begin{array}{lllll}0.078623 & 0.171024 & 0.429425 & 0.444682\end{array}$ $\begin{array}{llll}0.102751 & 0.382723 & 0.814195 & 0.974721 \\ 0.084623 & 0.344251 & 0.06696 & 0.757767\end{array}$ $\begin{array}{llll}0.084623 & 0.344251 & 0.906796 & 0.757767\end{array}$ $\begin{array}{llllll}144474 & 0.385752 & 0.938536 & 1204779\end{array}$ $\begin{array}{lllll}0.063574 & 0.253147 & 0.411843 & 0.418881\end{array}$ $\begin{array}{llllll}0.128036 & 0.274318 & 0.679722 & 0.583283\end{array}$ $\begin{array}{lllllll}0.15902 & 0.547362 & 0.999476 & 1.461477\end{array}$


$\begin{array}{lllllllll}1000 & 1105.092 & 0.014766 & 0.096363 & 0.123244 & 0.087826 & 4.755424 & 5.611437 & 0.006861\end{array}$ | 1000 | 892.5568 | 0.018 | 0.11045 | 0.0959907 | 0.123956 | 4.3333891 | 6.0733541 | 0.00078657 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{rrrrrrrrr}1000 & 835.0901 & 0.016605 & 0.08241 & 0.1039 & 0.095414 & 4.806115 & 4.961424 & 0.004806 \\ 1000 & 773.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 & 0.007389\end{array}$ $\begin{array}{llllllll}1000 & 73.5673 & 0.011372 & 0.105207 & 0.085881 & 0.10558 & 5.14853 & 5.713312 \\ 1000 & 757.0432 & 0.008656 & 0.071824 & 0.061064 & 0.074791 & 3.571428 & 5.039602 \\ 0.007394\end{array}$ $\begin{array}{lllllllll}1000 & 1446.842 & 0.00979 & 0.097498 & 0.05435 & 0.061092 & 4.295082 & 4.765279 & 0.0073675\end{array}$ $\begin{array}{lllllllll}1000 & 700.1427 & 0.008817 & 0.054148 & 0.061675 & 0.056633 & 3.261626 & 3.370829 & 0.005893 \\ 1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.911855 & 4.87672 & 0.006559\end{array}$ $\begin{array}{lllllllll}1000 & 712.8966 & 0.00818 & 0.074567 & 0.055152 & 0.044457 & 4.991085 & 4.487672 & 0.006559 \\ 1000 & 1690.836 & 0.0141 & 0.088813 & 0.068565 & 0.085737 & 4.18561 & 5.138667 & 0.004562\end{array}$ $\begin{array}{lllllllll}1000 & 1690.836 & 0.0141 & 0.086813 & 0.068565 & 0.085737 & 4.418651 & 5.138067 & 0.004562 \\ 1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808\end{array}$ $\begin{array}{lllllllll}1000 & 762.6292 & 0.010538 & 0.066075 & 0.073706 & 0.066322 & 5.452037 & 5.382008 & 0.005808 \\ 1000 & 585.9917 & 0.006335 & 0.051447 & 0.064627 & 0.04872 & 3.269819 & 3.703791 & 0.004785\end{array}$

 $\begin{array}{lllllllll}1000 & 801.2701 & 0.012566 & 0.089683 & 0.07876 & 0.077488 & 4.277399 & 4.133697 & 0.008061\end{array}$ $\begin{array}{llllllll}1000 & 933.0404 & 0.009069 & 0.120497 & 0.090576 & 0.086319 & 5.555397 & 5.002637 \\ 0 & 0.008357\end{array}$ $\begin{array}{llllllllll}1000 & 1052.6 & 0.017549 & 0.111265 & 0.0880533 & 0.087011 & 5.922613 & 5.116567 & 0.0006887\end{array}$ | 1000 | 1236.845 | 0.016572 | 0.10161 | 0.098289 | 0.091245 | 5.82727 | 4.989197 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1198.802 | 0.0007819618 | 0.161823 | 0.0292914 | 0.143539 | 4.366496 | 4.731463 | $\begin{array}{lllllllll}1000 & 1198.802 & 0.019618 & 0.161823 & 0.092919 & 0.143539 & 4.366496 & 4.731463 & 0.011515 \\ 1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809\end{array}$ $\begin{array}{lllllllll}1000 & 829.604 & 0.015194 & 0.067576 & 0.056562 & 0.072036 & 4.535829 & 5.688647 & 0.007809 \\ 1000 & 1316.317 & 0.022939 & 0.094307 & 0.102548 & 0.132539 & 5.223293 & 5.639309 & 0.009799\end{array}$ $\begin{array}{lllllllllllll}1000 & 1091.831 & 0.017279 & 0.109752 & 0.073038 & 0.103167 & 5.416845 & 4.969777 & 0.009119\end{array}$ $\begin{array}{llllllllll}1000 & 1171.01 & 0.01422 & 0.125049 & 0.135668 & 0.128734 & 6.153437 & 6.314737 & 0.009351\end{array}$ $\begin{array}{lllllllll}1000 & 990.0574 & 0.008939 & 0.090201 & 0.077489 & 0.081927 & 3.560224 & 3.929657 & 0.00713\end{array}$ $\begin{array}{lllllllll}1000 & 1177.33 & 0.010043 & 0.121869 & 0.096204 & 0.073022 & 6.835366 & 7.002342 & 0.012133\end{array}$ $\begin{array}{lllllllll}1000 & 1513.726 & 0.020937 & 0.102231 & 0.081104 & 0.109691 & 4.902837 & 6.787431 & 0.006611\end{array}$ $\begin{array}{lllllllll}1000 & 1315.845 & 0.009786 & 0.100325 & 0.076747 & 0.073621 & 5.419315 & 4.868953 & 0.008336\end{array}$ $\begin{array}{lllllllll}1000 & 753.1612 & 0.011546 & 0.08811 & 0.073328 & 0.056216 & 3.311268 & 3.313264 & 0.006551 \\ 1000 & 804.0128 & 0.010611 & 0.083517 & 0.068412 & 0.056384 & 3.310357 & 4.233062 & 0.00843\end{array}$ $\begin{array}{llllllllllllllll}1000 & 1013.1 & 0.013102 & 0.11277 & 0.078353 & 0.094254 & 7.579386 & 5.209694 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 1415.868 & 0.012013 & 0.124035 & 0.120066 & 0.098246 & 5.116583 & 4.88613 & 0.008134\end{array}$ $\begin{array}{lllllllll}1000 & 610.6806 & 0.004706 & 0.069937 & 0.10333 & 0.068003 & 2.917802 & 3.14514 & 0.005375\end{array}$ $\begin{array}{llllllllll}1000 & 1030.009 & 0.01172 & 0.097935 & 0.092336 & 0.104957 & 5.173254 & 4.691363 & 0.006997\end{array}$ $\begin{array}{lllllllll}1000 & 1053.813 & 0.006702 & 0.10595 & 0.060788 & 0.068683 & 4.881885 & 4.12111 & 0.0075338 \\ 1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & .390986 & 414298 & 0.007018\end{array}$ $\begin{array}{lllllllll}1000 & 838.9052 & 0.011611 & 0.114336 & 0.109856 & 0.10357 & 3.960986 & 4.14298 & 0.007018 \\ 1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.07318\end{array}$ $\begin{array}{lllllllll}1000 & 890.7745 & 0.011036 & 0.109996 & 0.091033 & 0.070885 & 4.215414 & 4.207144 & 0.007318 \\ 1000 & 1372.558 & 0.010668 & 0.096254 & 0.104346 & 0.091741 & 5.159522 & 6.425217 & 0.006457\end{array}$ $\begin{array}{lllllllll}1000 & 824.5876 & 0.006078 & 0.080108 & 0.092562 & 0.0741 & 3.944416 & 3.9977709 & 0.0067047\end{array}$

 $\begin{array}{llllllllll} & 000 & 954.2253 & 0.011048 & 0.149877 & 0.186952 & 0.157538 & 5.91094 & 7.462015 & 0.015875\end{array}$ $\begin{array}{lllllllll}1000 & 1028.729 & 0.008774 & 0.12623 & 0.144816 & 0.097397 & 4.251522 & 4.218424 & 0.006603\end{array}$ $\begin{array}{lllllllll}1000 & 1050.314 & 0.007615 & 0.16769 & 0.18062 & 0.139368 & 7.397999 & 5.359317 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1669.22 & 0.008737 & 0.148415 & 0.118475 & 0.101552 & 4.936108 & 6.267155 & 0.007484\end{array}$ $\begin{array}{lllllllll}1000 & 887.264 & 0.007942 & 0.11573 & 0.092789 & 0.107319 & 4.139735 & 4.746539 & 0.006914\end{array}$ $\begin{array}{lllllllllll}1000 & 888.6373 & 0.005851 & 0.120667 & 0.08249 & 0.117977 & 4.632688 & 5.822165 & 0.009408 \\ 1000 & 988.0648 & 0.005252 & 0.160855 & 0.143556 & 0.140295 & 5.179484 & 5.245099 & 0.008757\end{array}$ $\begin{array}{lllllllllll}1000 & 856.2812 & 0.006825 & 0.132249 & 0.106995 & 0.124418 & 4.679574 & 3.718188 & 0.010609\end{array}$ $\begin{array}{llllllllllll}1000 & 993.5653 & 0.010862 & 0.129773 & 0.149713 & 0.1112 & 5.080851 & 6.309879 & 0.013008\end{array}$ $\begin{array}{lllllllll}1000 & 1121.438 & 0.00788 & 0.209371 & 0.170415 & 0.170407 & 4.95648 & 4.807475 & 0.013147\end{array}$ $\begin{array}{lllllllll}1000 & 1181.319 & 0.007746 & 0.207952 & 0.228154 & 0.128972 & 5.170134 & 5.008281 & 0.011843\end{array}$ $\begin{array}{lllllllll}1000 & 977.0996 & 0.0131 & 0.157712 & 0.113783 & 0.145396 & 5.733117 & 6.279094 & 0.011486\end{array}$ $\begin{array}{lllllllll}1000 & 1080.332 & 0.01095 & 0.117303 & 0.094113 & 0.096145 & 4.616004 & 5.424817 & 0.004899 \\ 1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108\end{array}$ $\begin{array}{lllllllll}1000 & 1131.339 & 0.013656 & 0.147105 & 0.153264 & 0.14262 & 4.594466 & 7.091489 & 0.012108 \\ 1000 & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863\end{array}$ $\begin{array}{lllllllll} & 969.1548 & 0.006879 & 0.116018 & 0.088053 & 0.115919 & 4.597008 & 6.791473 & 0.007863 \\ 1000 & 1075.87 & 0.010789 & 0.162713 & 0.122742 & 0.14624 & 6.068447 & 5.657683 & 0.009251\end{array}$ $\begin{array}{llllllllll}1000 & 973.179 & 0.007254 & 0.154798 & 0.091279 & 0.103994 & 4.723108 & 4.426468 & 0.011375\end{array}$ $\begin{array}{lllllllll}1000 & 1036.719 & 0.006388 & 0.112896 & 0.107704 & 0.101394 & 3.68412 & 3.670745 & 0.004995\end{array}$ $\begin{array}{lllllllll}1000 & 1122.152 & 0.006653 & 0.118294 & 0.132685 & 0.129507 & 7.106644 & 4.733732 & 0.0095441\end{array}$ $\begin{array}{llllllllll}1000 & 552.2547 & 0.004533 & 0.072366 & 0.04007 & 0.067557 & 3.398653 & 3.273972 & 0.006712\end{array}$ $\begin{array}{lllllllll}1000 & 1077.994 & 0.006838 & 0.131668 & 0.113637 & 0.082503 & 4.636687 & 4.6695 & 0.007225\end{array}$ | 000 | 1117.627 | 0.007624 | 0.116165 | 0.13971 | 0.120569 | 5.151453 | 5.035786 | 0.009776 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 683.0605 | 0.006681 | 0.094835 | 0.063998 | 0.087346 | 3.313042 | 3.356565 | 0.005753 | $\begin{array}{lllllllll}1000 & 683.0605 & 0.006681 & 0.094835 & 0.063998 & 0.087346 & 3.313042 & 3.395635 & 0.005253 \\ 1000 & 1230.066 & 0.014954 & 0.161209 & 0.183921 & 0.111571 & 5.531636 & 7.602663 & 0.010824\end{array}$ $\begin{array}{lllllllll}1000 & 1350.056 & 0.014954 & 0.161109 & 0.183921 & 0.11157 & 5.531636 & 7.602663 & 0.010824 \\ 1000 & 755.2571 & 0.006092 & 0.06626 & 0.050913 & 0.047263 & 3.062147 & 4.499276 & 0.006234\end{array}$ $\begin{array}{lllllllll}000 & 807.0995 & 0.010626 & 0.113431 & 0.118033 & 0.056273 & 4.454462 & 4.652364 & 0.007042\end{array}$ $\begin{array}{lllllllll}1000 & 1606.912 & 0.011159 & 0.14641 & 0.131425 & 0.122007 & 6.592695 & 8.691475 & 0.007447\end{array}$



$\begin{array}{llll}0.083696 & 0.201797 & 0.917095 & 0.845605\end{array}$ $\begin{array}{llll}0.103333 & 0.276703 & 0.661272 & 0.75158 \\ 0.088213 & 0.323538 & 0.916008 & 0.789407\end{array}$ $\begin{array}{llllll}0.079282 & 0.302117 & 1.086334 & 0.863936\end{array}$ $\begin{array}{lllll}0.097405 & 0.324281 & 1.114693 & 1.355481\end{array}$ $\begin{array}{llllll}0.077352 & 0.306383 & 0.921915 & 0.583043\end{array}$ $\begin{array}{llll}0.076344 & 0.266908 & 0.528052 & 0.770031\end{array}$ $\begin{array}{lllll}0.077251 & 0.355244 & 0.701179 & 0.792349\end{array}$ $\begin{array}{rrrr}0.123527 & 0.310076 & 0.8757 & 0.76015 \\ 0.098473 & 0.305204 & 0.66436 & 0.637576\end{array}$ $\begin{array}{lllll}0.111156 & 0.2428 & 0.526604 & 1.001757\end{array}$ $\begin{array}{llllllll}0.075805 & 0.305611 & 0.723196 & 0.746406\end{array}$ $\begin{array}{lllll}0.073657 & 0.268603 & 0.553683 & 0.505668\end{array}$ $\begin{array}{llllllll}0.094724 & 0.210428 & 0.662241 & 1.086058\end{array}$ $\begin{array}{llllllll}0.067853 & 0.324909 & 0.873279 & 0.457086\end{array}$ $\begin{array}{lllll}0.041559 & 0.245832 & 0.787969 & 0.475841\end{array}$ | 0.062717 | 0.377104 | 1.132919 | 0.881158 |
| :--- | :--- | :--- | :--- |
| 078472 | 0.254547 | 0.79151 | 0.577032 | $\begin{array}{llll}0.08472 & 0.254547 & 0.79151 & 0.577032 \\ 0.081907 & 0.405284 & 0.952685 & 0.775906\end{array}$ $\begin{array}{llllll}0.133433 & 0.418531 & 0.89542 & 0.774429\end{array}$ $\begin{array}{llllll}0.043375 & 0.257209 & 0.572246 & 0.53952\end{array}$ $\begin{array}{lllllll}0.062871 & 0.292291 & 0.855482 & 0.744521\end{array}$ $\begin{array}{llllll}0.058979 & 0.214954 & 0.449502 & 0.672705\end{array}$ $\begin{array}{llll}0.058963 & 0.296526 & 0.566583 & 0.74368\end{array}$ $\begin{array}{llll}0.063948 & 0.310955 & 1.431218 & 0.675923\end{array}$ $\begin{array}{lllll}0.065787 & 0.275406 & 0.40973 & 0.481235\end{array}$ $0.040818 \quad 0.271853 \quad 0.60664 \quad 0.502385$ $\begin{array}{llllllllll}0.078382 & 0.312809 & 0.636326 & 0.726662\end{array}$ $\begin{array}{llllll}0.055099 & 0.279054 & 0.860321 & 0.885344\end{array}$ $0.0624 \quad 0.3162150 .4956210 .521928$ $\begin{array}{lllll}0.045926 & 0.282943 & 0.611198 & 0.492008\end{array}$ $\begin{array}{llllll}0.025522 & 0.291445 & 0.518871 & 0.567282\end{array}$ $\begin{array}{llll}0.079169 & 0.406742 & 0.52884 & 0.657153 \\ 0.05595 & 0.392127 & 0.60589 & 0.655529\end{array}$ $\begin{array}{lllll}0.082029 & 0.457817 & 0.844718 & 0.676885\end{array}$ $\begin{array}{llllll}0.046802 & 0.424729 & 0.634265 & 0.582386\end{array}$ $\begin{array}{lllll}0.051101 & 0.398233 & 0.790261 & 0.774236\end{array}$ $\begin{array}{lllll}0.089618 & 0.365711 & 0.5222 & 0.874647\end{array}$ $\begin{array}{llll}0.062073 & 0.412484 & 0.850796 & 1.006944\end{array}$ $\begin{array}{lllll}0.046661 & 0.328859 & 0.519283 & 0.480545\end{array}$ $\begin{array}{llll}0.045325 & 0.354592 & 0.81187 & 0.766764\end{array}$ 0691670.2313630 .5396880 .011879 $\begin{array}{lllll}0.083819 & 0.434603 & 1.476378 & 0.774401\end{array}$ $\begin{array}{lllll}0.058881 & 0.294623 & 1.111291 & 0.64152\end{array}$ $\begin{array}{lllll}0.073583 & 0.336673 & 1.154727 & 0.647747\end{array}$ 0.0643790 .4035670 .9954310 .794958 $\begin{array}{llll}0.07489 & 0.329479 & 0.802012 & 0.572851\end{array}$ $\begin{array}{lllll}0.05626 & 0.188213 & 0.460865 & 0.56473\end{array}$ $\begin{array}{lllll}0.117151 & 0.288318 & 0.86145 & 0.56373\end{array}$ $0.098370 .408764 \quad 1.0533830 .764163$ $\begin{array}{llllll}0.113329 & 0.324361 & 0.909241 & 1.112609\end{array}$ $\begin{array}{lllllll}0.089391 & 0.407538 & 0.991559 & 0.909655\end{array}$ 0.0741430 .2169050 .8189080 .464064 $\begin{array}{llll}0.066423 & 0.32418 & 1.081762 & 0.735518\end{array}$ $\begin{array}{lllll}0.084891 & 0.213973 & 0.583193 & 0.508413\end{array}$ $\begin{array}{llll}0.111603 & 0.397139 & 1.065156 & 0.838418 \\ 0.097847 & 0.272248 & 0.651496 & 0.858592\end{array}$ $\begin{array}{lllll}0.85848 \\ 0.079053 & 0.229241 & 0.5319599 & 0.612442\end{array}$ $\begin{array}{llllll}0.077328 & 0.308199 & 0.740873 & 0.597106\end{array}$ $\begin{array}{llllll}0.124329 & 0.261266 & 0.823266 & 0.73284\end{array}$ $\begin{array}{lllll}0.065222 & 0.18947 & 0.559972 & 0.365039\end{array}$


$\begin{array}{lllllllll}1000 & 1016.221 & 0.007099 & 0.094623 & 0.08589 & 0.092663 & 4.486746 & 4.963973 & 0.011594 \\ 1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 & 0.006518\end{array}$ $\begin{array}{llllllll}1000 & 715.3919 & 0.009432 & 0.110575 & 0.092559 & 0.079938 & 4.092675 & 3.560803 \\ 0.006518 \\ 1000 & 950.2908 & 0.01302 & 0.120415 & 0.131304 & 0.10192 & 4.707709 & 6.204489 \\ 0.012003\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.111084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213\end{array}$ $\begin{array}{lllllllll}1000 & 844.7344 & 0.011466 & 0.117084 & 0.109703 & 0.112959 & 5.329133 & 5.022438 & 0.013213 \\ 1000 & 1110.14 & 0.023229 & 0.13956 & 0.174083 & 0.128907 & 5.209649 & 5.21494 & 0.014084\end{array}$ | 1000 | 852.3185 | 0.016419 | 0.103542 | 0.106813 | 0.071966 | 4.23153 | 5.233355 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.008169 |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1574.105 & 0.014493 & 0.117124 & 0.103436 & 0.084973 & 4.221981 & 3.819687 & 0.012251 \\ 1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5370208 & 6.677 & 0.012442\end{array}$ $\begin{array}{lllllllll}1000 & 1678.508 & 0.014781 & 0.124372 & 0.184986 & 0.131908 & 5.370208 & 6.677 & 0.012442 \\ 1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.85036 & 0.008304\end{array}$ $\begin{array}{rrrrrrrr}1000 & 1350.12 & 0.0195 & 0.169838 & 0.123739 & 0.154044 & 5.503303 & 5.858036 \\ 0.008304 \\ 1000 & 899.5454 & 0.01397 & 0.150538 & 0.109549 & 0.107297 & 4.375538 & 4.969924 \\ 0.006723\end{array}$ $\begin{array}{lllllllll}1000 & 1090.788 & 0.012767 & 0.14373 & 0.085471 & 0.111843 & 4.124196 & 5.056014 & 0.0010143\end{array}$ $\begin{array}{llllllllll}1000 & 865.9338 & 0.009617 & 0.125013 & 0.089434 & 0.106407 & 4.255877 & 4.462817 & 0.00857\end{array}$ $\begin{array}{llllllllll}1000 & 1135.011 & 0.00989 & 0.102061 & 0.093735 & 0.096517 & 4.20032 & 3.783032 & 0.004361\end{array}$ $\begin{array}{lllllllll}1000 & 1076.333 & 0.01365 & 0.128134 & 0.071661 & 0.139444 & 4.194757 & 5.710145 & 0.009123\end{array}$ $\begin{array}{llllllllll}1000 & 804.5285 & 0.007785 & 0.117597 & 0.15865 & 0.097554 & 4.676369 & 5.116258 & 0.005377\end{array}$ $\begin{array}{lllllllll}1000 & 707.2561 & 0.008202 & 0.114214 & 0.149803 & 0.095782 & 4.322039 & 4.078639 & 0.010286 \\ 1000 & 1170.893 & 0.014653 & 0.142921 & 0.14883 & 0.127582 & 5.1683 & 4.841204 & 0.007479\end{array}$ $\begin{array}{llllllll}1000 & 11770.893 & 0.014653 & 0.149221 & 0.148835 & 0.127582 & 5.16803 & 4.841204 \\ 0 & 0.007479 \\ 1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697\end{array} 0.008242$ $\begin{array}{lllllllll}1000 & 849.8463 & 0.005016 & 0.144858 & 0.09243 & 0.117495 & 3.735484 & 4.758697 & 0.008242 \\ 1000 & 1226.172 & 0.007848 & 0.170748 & 0.176601 & 0.180191 & 6.182361 & 5.684843 & 0.010146\end{array}$ $\begin{array}{llllllllll}1000 & 1215.358 & 0.010439 & 0.152939 & 0.186098 & 0.12052 & 5.126152 & 4.540818 & 0.009699\end{array}$ $\begin{array}{llllllllll}1000 & 593.8731 & 0.005299 & 0.109777 & 0.101871 & 0.101497 & 3.216839 & 2.960629 & 0.007717\end{array}$ $\begin{array}{llllllllll}1000 & 1236.537 & 0.00626 & 0.140107 & 0.104027 & 0.104237 & 4.537283 & 3.949645 & 0.008389\end{array}$ $\begin{array}{llllllllll}1000 & 787.6389 & 0.007324 & 0.101815 & 0.069231 & 0.08097 & 3.740782 & 3.691418 & 0.005012\end{array}$ $\begin{array}{lllllllll}1000 & 871.03377 & 0.007587 & 0.1071 & 0.126963 & 0.111998 & 3.478503 & 3.261468 & 0.007906 \\ 1000 & 1077921 & 0.01638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29292 & 0.006344\end{array}$ $\begin{array}{lllllllll}1000 & 1077.921 & 0.011638 & 0.127199 & 0.09436 & 0.112591 & 3.871188 & 4.29294 & 0.006344 \\ 1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927\end{array}$ $\begin{array}{lllllllll}1000 & 1154.147 & 0.005656 & 0.123945 & 0.112411 & 0.073904 & 2.477936 & 2.71826 & 0.004927 \\ 1000 & 770.8747 & 0.005289 & 0.11753 & 0.095405 & 0.095173 & 3.670777 & 3.688437 & 0.003774\end{array}$ $\begin{array}{lllllllll}1000 & 770.8747 & 0.005289 & 0.11153 & 0.095405 & 0.0951773 & 3.670777 & 3.688337 & 0.003774 \\ 1000 & 729.9977 & 0.003877 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186\end{array}$ $\begin{array}{lllllllll}1000 & 729.9977 & 0.003887 & 0.098011 & 0.107369 & 0.103234 & 3.31288 & 3.033021 & 0.005186 \\ 1000 & 941.9113 & 0.009091 & 0.093606 & 0.129406 & 0.09521 & 3.775278 & 3.929278 & 0.003195\end{array}$ $\begin{array}{llllllllll}1000 & 1344.561 & 0.006621 & 0.105728 & 0.118374 & 0.090613 & 5.301045 & 3.719901 & 0.003686\end{array}$ $\begin{array}{llllllll}1000 & 984.0357 & 0.009991 & 0.124466 & 0.151018 & 0.08435 & 5.026571 & 4.122042\end{array} 0.0006617$ $\begin{array}{lllllllll}1000 & 777.7399 & 0.008141 & 0.146862 & 0.12609 & 0.11483 & 5.090093 & 4.015402 & 0.010302 \\ 1000 & 1160.911 & 0.008077 & 0.115564 & 0.079303 & 0.109646 & 4.52522 & 3.787469 & 0.0068\end{array}$ $\begin{array}{ccccccccc}1000 & 1160.911 & 0.008077 \\ 1000 & 1279.97 & 0.01158564 & 0.0793303 & 0.109646 & 4.52502 & 3.787469 & 0.0068 \\ 1 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201\end{array}$ $\begin{array}{lllllllll}1000 & 1279.97 & 0.010387 & 0.151929 & 0.113256 & 0.100985 & 5.407287 & 5.921169 & 0.007201 \\ 1000 & 889.4979 & 0.008381 & 0.111178 & 0.138824 & 0.12838 & 4.40959 & 5.591435 & 0.006881\end{array}$ $\begin{array}{llllllllll}1000 & 1358.712 & 0.008873 & 0.235041 & 0.174854 & 0.15902 & 6.713883 & 5.873333 & 0.00653\end{array}$ $\begin{array}{lllllllllllllll}1000 & 812.2332 & 0.008073 & 0.10745 & 0.12111 & 0.104481 & 4.479777 & 3.638333 & 0.006397\end{array}$ $\begin{array}{lllllllllll}1000 & 967.6265 & 0.006662 & 0.129528 & 0.055498 & 0.105201 & 4.970915 & 6.723842 & 0.010205\end{array}$ $\begin{array}{lllllllllllllll}1000 & 856.8817 & 0.009959 & 0.094299 & 0.094604 & 0.087075 & 4.985402 & 5.729057 & 0.003508\end{array}$ $\begin{array}{lllllllll}1000 & 1059.811 & 0.00769 & 0.104467 & 0.062987 & 0.08843 & 5.851986 & 5.720256 & 0.004627\end{array}$ | 1000 | 761.5438 | 0.0066133 | 0.090968 | 0.08881 | 0.070664 | 3.50178 | 3.318719 | 0.005394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1305.325 & 0.005612 & 0.100677 & 0.097859 & 0.100891 & 5.103456 & 3.775519 & 0.003332 \\ 1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215\end{array}$ $\begin{array}{lllllllll}1000 & 568.5766 & 0.010348 & 0.090991 & 0.061371 & 0.088288 & 3.667783 & 2.998262 & 0.007215 \\ 1000 & 785.0348 & 0.011095 & 0.09686 & 0.096597 & 0.102212 & 3.573946 & 3.465522 & 0.008093\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 785.0338 & 0.011095 & 0.09686 & 0.096597 & 0.1022212 & 3.573946 & 3.465522 & 0.008093 \\ 1000 & 11423.314 & 0.01224 & 0.172575 & 0.111982 & 0.180714 & 6.134168 & 5.690494 & 0.011901\end{array}$ $\begin{array}{llllllllll}1000 & 845.8775 & 0.00831 & 0.117239 & 0.104515 & 0.09534 & 3.43989 & 3.454609 & 0.007993\end{array}$ $\begin{array}{llllllllll}1000 & 920.6605 & 0.013273 & 0.120156 & 0.100762 & 0.146567 & 4.68845 & 4.459565 & 0.010216\end{array}$ $\begin{array}{lllllllll}1000 & 956.5049 & 0.013653 & 0.251992 & 0.165922 & 0.167604 & 5.641193 & 6.856175 & 0.007094\end{array}$ $\begin{array}{llllllllll}1000 & 1085.356 & 0.012672 & 0.197891 & 0.092774 & 0.145275 & 3.54006 & 5.963944 & 0.010315\end{array}$ $\begin{array}{lllllllll}1000 & 824.6639 & 0.011884 & 0.148416 & 0.070722 & 0.139725 & 3.671278 & 4.624993 & 0.006797 \\ 1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682\end{array}$ $\begin{array}{lllllllll}1000 & 696.2924 & 0.012992 & 0.134942 & 0.126499 & 0.118845 & 4.537952 & 4.327808 & 0.006682 \\ 1000 & 931.6837 & 0.013511 & 0.131078 & 0.076927 & 0.126919 & 4.394896 & 5.314237 & 0.008008\end{array}$ $\begin{array}{llllllll}1000 & 931.6837 & 0.013511 & 0.131078 & 0.074927 & 0.126919 & 4.394896 & 5.314237 \\ 1000 & 1049.128 & 0.010651 & 0.171883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 0.008501\end{array}$ $\begin{array}{llllllll}1000 & 1049.128 & 0.010651 & 0.1718883 & 0.15433 & 0.204286 & 5.936098 & 5.341169 \\ 10.008501 \\ 1000 & 900.3294 & 0.012948 & 0.201184 & 0.15362 & 0.16056 & 4.547869 & 4.570922 \\ 0.010363\end{array}$ | 1000 | 1355.985 | 0.014597 | 0.201627 | 0.1775 | 0.247589 | 4.689395 | 5.177848 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 690.7616 & 0.008249 & 0.197834 & 0.217916 & 0.183749 & 4.140097 & 4.604512 & 0.0006164 \\ 1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.0950 & 0.01848\end{array}$ $\begin{array}{lllllllll}1000 & 1040.586 & 0.008243 & 0.222807 & 0.230407 & 0.238536 & 3.707144 & 5.09506 & 0.011843 \\ 1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 354286 & 3.086281 & 0.01456\end{array}$ $\begin{array}{lllllllll}1000 & 753.9674 & 0.01025 & 0.214921 & 0.152287 & 0.172423 & 3.542686 & 3.986281 & 0.00456\end{array}$ $\begin{array}{lllllllll}1000 & 1257.304 & 0.019025 & 0.251169 & 0.241427 & 0.25009 & 5.28923 & 5.629704 & 0.015287 \\ 1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3741123 & 3.565873 & 0.01007\end{array}$ $\begin{array}{lllllllll}1000 & 1166.482 & 0.015945 & 0.248038 & 0.189241 & 0.234382 & 3.741123 & 3.565873 & 0.010007 \\ 1000 & 1248.964 & 0.01498 & 0.289531 & 0.224974 & 0.270115 & 4.571101 & 4.042984 & 0.011198\end{array}$ $\begin{array}{llllllll}1000 & 823.5624 & 0.016809 & 0.394811 & 0.34523 & 0.474367 & 3.763297 & 4.168391\end{array} 0.015613$ $\begin{array}{lllllllll}1000 & 998.6634 & 0.016629 & 0.501138 & 0.326665 & 0.46665 & 4.153445 & 5.534993 & 0.017012\end{array}$ $\begin{array}{llllllllllll}1000 & 750.2849 & 0.01435 & 0.413226 & 0.451846 & 0.36722 & 3.289197 & 3.722567 & 0.009513\end{array}$



$\begin{array}{llll}0.065676 & 0.268865 & 0.738267 & 0.616283 \\ 0.113977 & 0.316248 & 1.140023 & 0.81072\end{array}$ $\begin{array}{llll}0.113977 & 0.316248 & 1.140023 & 0.81072 \\ 0.075655 & 0.234425 & 0.474864 & 0.524759\end{array}$ $\begin{array}{llllll}0.09894 & 0.318365 & 0.75121 & 0.689122\end{array}$ $\begin{array}{llllll}0.045102 & 0.220789 & 0.487006 & 0.549946\end{array}$ $\begin{array}{lllllll}0.076409 & 0.287614 & 0.832738 & 0.655377\end{array}$ $\begin{array}{lllll}0.109905 & 0.275365 & 0.640198 & 0.880878\end{array}$ $\begin{array}{llll}0.058623 & 0.323127 & 0.594344 & 0.61409\end{array}$ $\begin{array}{lllll}0.063886 & 0.328648 & 0.803406 & 0.876994 \\ 0.050537 & 0.299871 & 0.619091 & 0.526927\end{array}$ $\begin{array}{lllll}0.060688 & 0.27798 & 0.473557 & 0.502419\end{array}$ $\begin{array}{lllll}0.076555 & 0.381852 & 0.674898 & 0.921046\end{array}$ $\begin{array}{lllll}0.099239 & 0.275926 & 0.627504 & 0.659976\end{array}$ $\begin{array}{llllll}0.084457 & 0.29799 & 0.549045 & 0.506182\end{array}$ $\begin{array}{lllllll}0.116179 & 0.417042 & 0.709609 & 0.540677\end{array}$ $\begin{array}{llll}0.035856 & 0.171578 & 0.350613 & 0.357328\end{array}$ $\begin{array}{llll}0.069348 & 0.230334 & 0.51509 & 0.384643\end{array}$ $\begin{array}{llll}0.0653579 & 0.245251 & 0.51821 & 0.588234 \\ 0.0785456 & 0.681643\end{array}$ 0.0685770 .2986790 .4738980 .425224 $\begin{array}{llllll}0.072191 & 0.372576 & 0.634176 & 0.679261\end{array}$ 0.0681450 .2237670 .5759020 .529974 $\begin{array}{lllll}0.080033 & 0.26611 & 0.554307 & 0.541584\end{array}$ 0.0919730 .3118610 .5409780 .624562 $\begin{array}{llllllll}0.050829 & 0.188007 & 0.384176 & 0.431768\end{array}$ | 0.04244 | 0.182239 | 0.352643 | 0.373198 |
| :--- | :--- | :--- | :--- |
| 071987 | 0.272691 | 0.544153 | 0.614675 | $\begin{array}{llllll}0.076623 & 0.32011 & 0.898537 & 0.506941\end{array}$ $\begin{array}{lllll}0.066518 & 0.284938 & 0.535653 & 0.365459\end{array}$ $\begin{array}{lllll}0.067368 & 0.31295 & 0.56088 & 0.576897\end{array}$ $\begin{array}{llllll}0.059817 & 0.34385 & 1.197257 & 0.526476\end{array}$ $\begin{array}{llllllllll}0.061617 & 0.280236 & 0.596757 & 0.566262\end{array}$ $\begin{array}{llll}0.060742 & 0.166824 & 0.373552 & 0.31503\end{array}$ $\begin{array}{llll}0.043619 & 0.306752 & 0.643224 & 0.514508 \\ & 0.082247 & 0.289094 & 0.424587\end{array}$ $\begin{array}{lllll}0.081429 & 0.37922 & 0.497026 & 0.858797\end{array}$ $\begin{array}{lllll}0.08065 & 0.288804 & 0.507602 & 0.416375\end{array}$ $\begin{array}{lllll}0.087862 & 0.269682 & 0.578383 & 0.484711\end{array}$ $\begin{array}{lllllll}0.067144 & 0.313885 & 0.624764 & 0.624783\end{array}$ $\begin{array}{llll}0.064276 & 0.249311 & 0.371427 & 0.271022\end{array}$ $\begin{array}{lllll}0.071888 & 0.315816 & 0.363209 & 0.374765\end{array}$ $\begin{array}{llll}0.068193 & 0.246931 & 0.482722 & 0.405621 \\ 0.04629 & 0.17543 & 0.349861 & 0.383319\end{array}$ $\begin{array}{lllll}0.070105 & 0.249137 & 0.406832 & 0.418164\end{array}$ $\begin{array}{lllll}0.094099 & 0.282587 & 0.542026 & 0.513018\end{array}$ $\begin{array}{llllll}0.081242 & 0.336452 & 0.567386 & 0.497003\end{array}$ $\begin{array}{llllll}0.075775 & 0.295109 & 0.393918 & 0.36318\end{array}$ $\begin{array}{llll}0.066286 & 0.264543 & 0.488434 & 0.309966\end{array}$ $\begin{array}{llll}0.041711 & 0.236466 & 0.561484 & 0.27726\end{array}$ $\begin{array}{llll}0.071345 & 0.338379 & 0.335573 & 0.320607\end{array}$ | 0.036835 | 0.226509 | 0.385659 | 0.25353 |
| :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.034867 & 0.294721 & 0.260064 & 0.314215\end{array}$ $0.084083 \quad 0.291174 \quad 0.334823 \quad 0.305431$ $\begin{array}{llllllllllll}0.050216 & 0.340251 & 0.295357 & 0.277428\end{array}$ $\begin{array}{llll}0.046059 & 0.299606 & 0.258698 & 0.22819\end{array}$ $\begin{array}{llll}0.054756 & 0.182943 & 0.260061 & 0.196812\end{array}$ $\begin{array}{llll}0.032255 & 0.308419 & 0.322532 & 0.303762\end{array}$ $\begin{array}{llll}0.041426 & 0.355073 & 0.229179 & 0.280469\end{array}$ $\begin{array}{llll}0.041853 & 0.294108 & 0.277086 & 0.282102\end{array}$ $\begin{array}{lllll}0.031071 & 0.337199 & 0.284834 & 0.4231\end{array}$ $\begin{array}{lllllll}0.055782 & 0.347701 & 0.359497 & 0.234332\end{array}$ $\begin{array}{lllll}0.049772 & 0.448418 & 0.424167 & 0.361735\end{array}$


$\begin{array}{llllllllllll}1000 & 872.9719 & 0.014065 & 0.704017 & 0.33957 & 0.291189 & 3.849276 & 4.044059 & 0.010171\end{array}$ | 1000 | 1330.091 | 0.013185 | 0.358471 | 0.350273 | 0.37538 | 5.490088 | 5.3408936 | 0.014696 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll} & 0000 & 893.3956 & 0.014834 & 0.291444 & 0.194535 & 0.188509 & 3.448135 & 3.373683 \\ 1000 & 1420.369 & 0.014366 & 0.256093 & 0.160132 & 0.170031 & 5.021392 & 3.857482 & 0.005449\end{array}$ $\begin{array}{lllllllll}1000 & 649.4856 & 0.009712 & 0.156284 & 0.101053 & 0.09641 & 3.168338 & 2.663237 & 0.004957\end{array}$ $\begin{array}{lllllllll}1000 & 948.4029 & 0.012895 & 0.178114 & 0.181156 & 0.174702 & 4.931106 & 4.486495 & 0.007794\end{array}$ $\begin{array}{lllllllll}1000 & 1228.832 & 0.008471 & 0.187775 & 0.160115 & 0.155118 & 3.667647 & 3.907937 & 0.0077168 \\ 1000 & 899.1288 & 0.11519 & 0.169979 & 0.118793 & 0.14327 & 3.93855 & 4.315453 & 0.014771\end{array}$ $\begin{array}{llllllll}1000 & 899.1228 & 0.011519 & 0.160979 & 0.118793 & 0.143227 & 3.93685 & 4.315453 \\ 1000 & 1276.816 & 0.014771 \\ 1 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.05009\end{array}$ $\begin{array}{lllllllll}1000 & 1276.816 & 0.014926 & 0.184063 & 0.129457 & 0.16716 & 4.208196 & 4.920331 & 0.005009 \\ 1000 & 1255.613 & 0.009139 & 0.096677 & 0.107209 & 0.111357 & 4.622795 & 3.610387 & 0.006977\end{array}$ $\begin{array}{llllllllll}1000 & 1053.183 & 0.015042 & 0.125036 & 0.146874 & 0.106161 & 4.216895 & 4.201283 & 0.009146\end{array}$ $\begin{array}{llllllllll}1000 & 1678.138 & 0.013739 & 0.114768 & 0.134825 & 0.126052 & 5.6345 & 4.978124 & 0.012016\end{array}$ $\begin{array}{lllllllll}1000 & 1124.756 & 0.012753 & 0.10207 & 0.078082 & 0.09377 & 4.272023 & 3.532683 & 0.010574\end{array}$ $\begin{array}{llllllllll}1000 & 1362.616 & 0.01134 & 0.102 & 0.06596 & 0.080998 & 4.039916 & 4.097019 & 0.008362\end{array}$ $\begin{array}{lllllllll}1000 & 1324.256 & 0.009756 & 0.101336 & 0.137302 & 0.098679 & 4.292796 & 4.947793 & 0.009385\end{array}$ $\begin{array}{lllllllll}1000 & 703.6922 & 0.006659 & 0.084906 & 0.046896 & 0.06574 & 2.840201 & 2.90494 & 0.007919\end{array}$ $\begin{array}{lllllllll}1000 & 825.6332 & 0.010975 & 0.100352 & 0.08978 & 0.07033 & 3.239133 & 3.664747 & 0.006101 \\ 1000 & 1034.259 & 0.012176 & 0.114602 & 0.061401 & 0.05521 & 4.56873 & 4.448224 & 0.009237\end{array}$ $\begin{array}{llllllllll}1000 & 916.2945 & 0.016705 & 0.101138 & 0.120177 & 0.090567 & 5.192324 & 4.502734 & 0.0090375\end{array}$ $\begin{array}{llllllllll}1000 & 825.8778 & 0.007036 & 0.098165 & 0.060628 & 0.070739 & 3.900381 & 3.578411 & 0.012907\end{array}$ $\begin{array}{lllllllll}1000 & 1155.405 & 0.01102 & 0.103596 & 0.135147 & 0.102994 & 4.909748 & 4.706077 & 0.012697\end{array}$ $\begin{array}{lllllllll}1000 & 813.3077 & 0.010929 & 0.102051 & 0.107932 & 0.076639 & 3.817345 & 3.87721 & 0.010811\end{array}$ $\begin{array}{llllllllllllll}1000 & 914.6925 & 0.010652 & 0.076627 & 0.076387 & 0.085377 & 4.407336 & 3.619565 & 0.012099\end{array}$ $\begin{array}{llllllllll}1000 & 920.6502 & 0.015795 & 0.116947 & 0.127196 & 0.070757 & 4.800968 & 5.007915 & 0.010288\end{array}$ $\begin{array}{lllllllll}1000 & 954.6204 & 0.011465 & 0.06894 & 0.095311 & 0.080382 & 3.50812 & 3.812511 & 0.009583 \\ 1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 & 0.006357\end{array}$ $\begin{array}{rrrrrrrr}1000 & 612.6539 & 0.013501 & 0.072653 & 0.0523 & 0.07175 & 3.008877 & 2.617288 \\ 10.006357 \\ 1000 & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 \\ 0 & 0.011001\end{array}$ $\begin{array}{lllllllll} & 1013.927 & 0.020226 & 0.109978 & 0.078203 & 0.110105 & 4.585859 & 4.441522 & 0.0110067 \\ 1000 & 926.7225 & 0.019365 & 0.096769 & 0.125932 & 0.097836 & 5.89259 & 4.229299 & 0.012267\end{array}$ $\begin{array}{lllllllll}1000 & 828.3485 & 0.011012 & 0.086456 & 0.072677 & 0.075966 & 3.779308 & 3.02274 & 0.009313\end{array}$ $\begin{array}{lllllllll}1000 & 1161.764 & 0.011365 & 0.109718 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005806\end{array}$ $\begin{array}{lllllllll}1000 & 1611.764 & 0.011365 & 0.10971 & 0.083535 & 0.076462 & 3.822431 & 4.009077 & 0.005830 \\ 1000 & 1047.277 & 0.00882 & 0.104816 & 0.119221 & 0.087379 & 4.200663 & 4.849936 & 0.009275\end{array}$ | 1000 | 891.3188 | 0.009442 | 0.091106 | 0.114499 | 0.098883 | 3.480927 | 3.562527 | 0.006534 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 000 | 977.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 | | 1000 | 797.2398 | 0.008234 | 0.078213 | 0.048279 | 0.077152 | 3.01417 | 3.569642 | 0.009836 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1156.795 & 0.009631 & 0.142164 & 0.077825 & 0.111322 & 4.333877 & 5.226023 & 0.013111 \\ 1000 & 944.7618 & 0.008217 & 0.10563 & 0.061842 & 0.079404 & 3.985668 & 4.081635 & 0.005877\end{array}$ $\begin{array}{lllllllll}1000 & 9445.5014 & 0.008816 & 0.093887 & 0.076977 & 0.101333 & 4.385944 & 4.171995 & 0.0048677\end{array}$ $\begin{array}{llllllllll}1000 & 873.9323 & 0.006792 & 0.112003 & 0.094152 & 0.108877 & 4.237036 & 4.216531 & 0.008746\end{array}$ $\begin{array}{llllllllll}1000 & 1410.894 & 0.014165 & 0.113134 & 0.086203 & 0.088789 & 4.513254 & 4.305039 & 0.010252\end{array}$ $\begin{array}{lllllllll}1000 & 948.2983 & 0.003536 & 0.113041 & 0.107225 & 0.091019 & 4.072684 & 4.52745 & 0.006672\end{array}$ $\begin{array}{lllllllll}1000 & 740.6505 & 0.005411 & 0.076641 & 0.066764 & 0.060943 & 3.262087 & 2.835855 & 0.00674 \\ 1000 & 829.9658 & 0.00529 & 0.077766 & 0.054144 & 0.11726 & 3.428368 & 3.865448 & 0.007734\end{array}$ | 1000 | 829.9658 | 0.00529 | 0.077766 | 0.054149 | 0.117286 | 3.498268 | 3.864548 | 0.007734 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 807.4725 & 0.01077 & 0.089988 & 0.102311 & 0.104708 & 3.53959 & 3.951815 & 0.008468\end{array}$ $\begin{array}{llllllllll}1000 & 625.9525 & 0.007907 & 0.066094 & 0.056907 & 0.05721 & 3.039407 & 3.249657 & 0.005351 \\ 1000 & 795.8265 & 0.010302 & 0.068463 & 0.094903 & 0.128941 & 3.32438 & 3.108438 & 0.00443\end{array}$ $\begin{array}{lllllllll}1000 & 1065.478 & 0.013635 & 0.097266 & 0.0559 & 0.071746 & 4.153582 & 3.872499 & 0.007499\end{array}$ $\begin{array}{lllllllll}1000 & 1004.091 & 0.015923 & 0.09168 & 0.080265 & 0.095451 & 5.054765 & 4.364382 & 0.006421\end{array}$ $\begin{array}{lllllllll}1000 & 1045.102 & 0.01334 & 0.102867 & 0.057352 & 0.079753 & 3.461246 & 3.510425 & 0.003583\end{array}$ $\begin{array}{lllllllll}1000 & 1018.723 & 0.010329 & 0.067551 & 0.105888 & 0.064331 & 3.073359 & 2.940115 & 0.004365\end{array}$ $\begin{array}{llllllllll}1000 & 857.1641 & 0.007611 & 0.074142 & 0.058673 & 0.058886 & 2.988797 & 2.959785 & 0.005923 \\ 1000 & & 31.4585 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 380647 & 3.47813 & 0.005086\end{array}$ $\begin{array}{lllllllll}1000 & 931.45855 & 0.007495 & 0.088083 & 0.028325 & 0.050897 & 3.80647 & 3.478132 & 0.005086 \\ 1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753\end{array}$ $\begin{array}{lllllllll}1000 & 840.5022 & 0.007268 & 0.063458 & 0.034594 & 0.059836 & 2.767445 & 2.922374 & 0.003753 \\ 1000 & 890.6175 & 0.003749 & 0.07393 & 0.063187 & 0.061287 & 3.095169 & 3.189477 & 0.002408\end{array}$ $\begin{array}{lllllllll}1000 & 890.6175 & 0.003749 & 0.07393 & 0.063188 & 0.061287 & 3.095169 & 3.189477 & 0.002408 \\ 1000 & 955.0018 & 0.007812 & 0.071794 & 0.078389 & 0.070699 & 3.26266 & 3.142689 & 0.000858\end{array}$ $\begin{array}{llllllllll}1000 & 9499.4681 & 0.004039 & 0.081506 & 0.081974 & 0.073163 & 3.655159 & 3.428821 & 0.002951\end{array}$ $\begin{array}{lllllllllll}1000 & 1093.527 & 0.011701 & 0.079208 & 0.054211 & 0.076298 & 3.512374 & 3.572749 & 0.004509\end{array}$ $\begin{array}{lllllllll}1000 & 869.6405 & 0.004782 & 0.060918 & 0.10562 & 0.052589 & 3.35508 & 3.336445 & 0.002368\end{array}$ $\begin{array}{lllllllll}1000 & 822.2375 & 0.003044 & 0.066574 & 0.023122 & 0.050034 & 3.000961 & 3.08378 & 0.001469\end{array}$ $\begin{array}{llllllllll}1000 & 1012.584 & 0.00491 & 0.067987 & 0.066981 & 0.057394 & 3.347137 & 3.862973 & 0.004069\end{array}$ $\begin{array}{lllllllll}1000 & 1080.664 & 0.004111 & 0.049027 \\ 1000 & 056.2832 & 0.055718 & 0.068522 & 3.691904 & 3.964249 & 0.001371\end{array}$ $\begin{array}{lllllllll}1000 & 856.2832 & 0.003448 & 0.055312 & 0.068453 & 0.044904 & 3.446015 & 3.456855 & 0.001545 \\ 1000 & 1011.951 & 0.009626 & 0.060266 & 0.022406 & 0.059954 & 4.037772 & 3.789148 & 0.003658\end{array}$ $\begin{array}{lllllllll}1000 & 1004.951 & 0.006057 & 0.067936 & 0.069196 & 0.059292 & 4.27992 & 3.930326 & 0.001364\end{array}$ $\begin{array}{llllllllll}1000 & 1107.037 & 0.004778 & 0.058946 & 0.021915 & 0.050295 & 4.062097 & 4.331422 & 0.001667\end{array}$ $\begin{array}{llllllllll}1000 & 1115.189 & 0.002279 & 0.049183 & 0.048221 & 0.037579 & 3.91192 & 4.057308 & 0.001294\end{array}$



$\begin{array}{lllll}0.035028 & 0.376487 & 0.417775 & 0.428052\end{array}$ $\begin{array}{lllll}0.021857 & 0.410397 & 0.356959 & 0.308907\end{array}$ $\begin{array}{llllll}0.030416 & 0.351169 & 0.287911 & 0.303057\end{array}$ $\begin{array}{lllll}0.030292 & 0.37535 & 0.32485 & 0.267431\end{array}$ $\begin{array}{lllll}0.040283 & 0.277973 & 0.376696 & 0.396013\end{array}$ $\begin{array}{rlll}0.03703 & 0.320573 & 0.303256 & 0.276236\end{array}$ $\begin{array}{llll}0.051772 & 0.327455 & 0.295775 & 0.282363 \\ 0\end{array}$ $\begin{array}{llll}0.031213 & 0.206816 & 0.328234 & 0.235368 \\ 0.029797 & 0.26085 & 0.332935 & 0.341638\end{array}$ $\begin{array}{lllll} & 0.02987 \\ 0.026886 & 0.32711 & 0.370161 & 0.363714\end{array}$ $\begin{array}{lllll}0.020683 & 0.34778 & 0.421404 & 0.50626\end{array}$ $\begin{array}{lllll}0.043793 & 0.374611 & 0.503915 & 0.395932\end{array}$ $\begin{array}{llllll}0.019344 & 0.425115 & 0.544809 & 0.483431\end{array}$ $\begin{array}{lllll}0.035737 & 0.333298 & 0.643927 & 0.936236\end{array}$ $\begin{array}{lllll}0.048138 & 0.379225 & 0.445168 & 0.823688\end{array}$ $\begin{array}{llll}0.08197 & 0.336332 & 0.547675 & 0.399162 \\ 0.047058 & 0.410634 & 0.776648 & 0.749854\end{array}$ $\begin{array}{llll}0.04058 & 0.410634 & 0.776648 & 0.749854 \\ 0.048827 & 0.358637 & 0.628326 & 0.601575\end{array}$ $\begin{array}{lllll}0.043479 & 0.195671 & 0.54747 & 0.56329\end{array}$ $\begin{array}{lllll}0.071734 & 0.267242 & 0.677402 & 0.715816\end{array}$ $\begin{array}{lllll}0.056774 & 0.248151 & 0.807629 & 0.515172\end{array}$ $\begin{array}{llllll}0.058836 & 0.298753 & 0.625254 & 0.586547\end{array}$ $\begin{array}{llll}0.041194 & 0.266268 & 0.56856 & 0.617736 \\ 0\end{array}$ $\begin{array}{llll}0.086047 & 0.263418 & 0.601788 & 0.559653\end{array}$ $\begin{array}{llll}0.059752 & 0.313196 & 0.574159 & 0.424342 \\ 0\end{array}$ $\begin{array}{lllll}0.062386 & 0.271601 & 0.767866 & 0.531861\end{array}$ $\begin{array}{lllll}0.081882 & 0.215644 & 0.557541 & 0.606412\end{array}$ $\begin{array}{lllll}0.039721 & 0.28398 & 0.611658 & 0.516455\end{array}$ $\begin{array}{lllll}0.044551 & 0.263786 & 0.50314 & 0.469553\end{array}$ $\begin{array}{llll}0.070123 & 0.23722 & 0.496852 & 0.514453\end{array}$ $\begin{array}{llll}0.057382 & 0.256137 & 0.491356 & 0.450584\end{array}$ $\begin{array}{llll}0.047699 & 0.266006 & 0.411523 & 0.30543 \\ 0.048341 & 0.288725 & 0.527391 & 0.47777\end{array}$ $\begin{array}{llll}0.054723 & 0.336709 & 0.489652 & 0.529382\end{array}$ $\begin{array}{lllll}0.052886 & 0.249091 & 0.504808 & 0.303952\end{array}$ $\begin{array}{lllll}0.033548 & 0.261595 & 0.526281 & 0.418348\end{array}$ $\begin{array}{lllll}0.04383 & 0.282789 & 0.534421 & 0.489166\end{array}$ $\begin{array}{llll}0.032599 & 0.261806 & 0.875228 & 0.530797\end{array}$ $\begin{array}{lllll}0.04815 & 0.357464 & 0.492851 & 0.477598\end{array}$ $\begin{array}{llll}0.048561 & 0.359645 & 0.568071 & 0.530688 \\ 0.04731 & 0.287309 & 0.459911 & 0.530564\end{array}$ $\begin{array}{lllll}0.047194 & 0.353967 & 0.459911 & 0.530564 \\ 0.75973 & 0.553662\end{array}$ $\begin{array}{lllll}0.070022 & 0.371984 & 0.595693 & 0.692863\end{array}$ $\begin{array}{lllll}0.065923 & 0.312506 & 0.563454 & 0.40364\end{array}$ $\begin{array}{lllll}0.060119 & 0.336135 & 0.760356 & 0.594158\end{array}$ $\begin{array}{llllll}0.053311 & 0.356963 & 0.765681 & 0.760563\end{array}$ $\begin{array}{lllll}0.070797 & 0.278996 & 0.573614 & 0.712964\end{array}$ $\begin{array}{llll}0.040789 & 0.219488 & 0.723918 & 0.539881\end{array}$ $\begin{array}{llll}0.072789 & 0.278736 & 0.578844 & 0.660738 \\ 0.092182 & 0.235582 & 0.924969 & 0.588656\end{array}$ $\begin{array}{lllll}0.055517 & 0.2575434 & 0.589117 & 0.555687 \\ 0.05856\end{array}$ $\begin{array}{lllllll}0.074849 & 0.282057 & 0.625797 & 0.64309\end{array}$ $\begin{array}{llllll}0.060006 & 0.31065 & 0.643697 & 0.556327\end{array}$ $\begin{array}{lllll}0.036844 & 0.2436 & 0.600106 & 0.555423\end{array}$ $\begin{array}{llll}0.059383 & 0.329862 & 0.589537 & 0.458345\end{array}$ $\begin{array}{llll}0.034756 & 0.20102 & 0.481821 & 0.327827\end{array}$ $\begin{array}{llll}0.043194 & 0.213071 & 0.319899 & 0.356155 \\ 0.050184 & 0.39786 & 0.474666 & 0.424577\end{array}$ $\begin{array}{llll}0.050184 & 0.39786 & 0.474666 & 0.424577 \\ 0.028916 & 0.228787 & 0.502222 & 0.345804\end{array}$ 0.054670 .2598030 .4229660 .413569 $\begin{array}{llllll}0.018441 & 0.245527 & 0.446319 & 0.378729\end{array}$ $\begin{array}{lllll}0.057609 & 0.200257 & 0.295037 & 0.345752\end{array}$
$\begin{array}{lllllllll}1000 & 1108.548 & 0.005133 & 0.038956 & 0.022906 & 0.044815 & 4.264096 & 4.252393 & 0.001742\end{array}$ $\begin{array}{llllllll}10000 & 1064.173 & 0.000938 & 0.059692 & 0.0600886 & 0.039183 & 3.733479 & 4.199405\end{array} 0.0002432$ $\begin{array}{lllllllll}1000 & 909.7895 & 0.006343 & 0.06436 & 0.022289 & 0.041722 & 3.82401 & 4.044597 & 0.00325\end{array}$ $\begin{array}{lllllllll}1000 & 1119.419 & 0.004123 & 0.068476 & 0.062984 & 0.052049 & 3.974952 & 3.95455 & 0.005285\end{array}$ $\begin{array}{llllllll}1000 & 1133.472 & 0.012053 & 0.062466 & 0.039625 & 0.04144 & 3.623068 & 3.699988 \\ 0.00404001\end{array}$ $\begin{array}{llllllll}1000 & 1020.749 & 0.018055 & 0.078434 & 0.065784 & 0.061984 & 4.369759 & 4.1699766 \\ 0 & 0.005539\end{array}$ $\begin{array}{lllllllll}1000 & 1023.759 & 0.016307 & 0.088591 & 0.051384 & 0.060454 & 4.104753 & 4.007953 & 0.0033898\end{array}$ $\begin{array}{lllllllll}1000 & 848.0146 & 0.013916 & 0.058286 & 0.043161 & 0.045413 & 3.152509 & 3.621434 & 0.00517 \\ 1000 & 850.9336 & 0.011538 & 0.071965 & 0.041264 & 0.064923 & 3.618871 & 3.544645 & 0.004401\end{array}$ $\begin{array}{lllllllll}1000 & 766.0989 & 0.008721 & 0.062355 & 0.062714 & 0.047789 & 3.749247 & 3.880926 & 0.00471\end{array}$ $\begin{array}{llllllllll}1000 & 1005.176 & 0.008978 & 0.064304 & 0.074483 & 0.043734 & 4.572506 & 3.831523 & 0.004266\end{array}$ $\begin{array}{lllllllll}1000 & 912.1135 & 0.011277 & 0.077203 & 0.042429 & 0.05936 & 4.215434 & 4.03289 & 0.002832\end{array}$ $\begin{array}{lllllllll}1000 & 970.426 & 0.017992 & 0.067072 & 0.063069 & 0.060768 & 4.630065 & 4.768905 & 0.00252\end{array}$ $\begin{array}{lllllllll}1000 & 1043.775 & 0.022474 & 0.076046 & 0.06702 & 0.108494 & 5.17051 & 4.922747 & 0.009833\end{array}$ $\begin{array}{lllllllll}1000 & 873.2904 & 0.019853 & 0.087224 & 0.062361 & 0.083392 & 4.011397 & 3.84184 & 0.00321 \\ 1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654\end{array}$ $\begin{array}{lllllllll}1000 & 1084.563 & 0.016368 & 0.090365 & 0.095094 & 0.072256 & 4.430192 & 4.310011 & 0.009654 \\ 1000 & 1023.371 & 0.023073 & 0.09027 & 0.086384 & 0.063878 & 4.285553 & 4.370276 & 0.007743\end{array}$ $\begin{array}{llllllllll}1000 & 1023.372 & 0.023035 & 0.0927 & 0.08684 & 0.06885 & 4.28553 & 4.370276 & 0.007743 \\ 1000 & 974.7527 & 0.02395 & 0.1507 & 0.06145 & 0.062953 & 4.028921 & 4.512634 & 0.010559\end{array}$ $\begin{array}{llllllllllll}1000 & 893.6566 & 0.021923 & 0.107558 & 0.105299 & 0.097753 & 4.037576 & 3.878276 & 0.008028\end{array}$ $\begin{array}{lllllllllllllllllll}1000 & 1039.476 & 0.019774 & 0.115837 & 0.076663 & 0.109107 & 3.757368 & 3.986344 & 0.006872\end{array}$ $\begin{array}{lllllllllll}1000 & 823.1696 & 0.0187 & 0.110961 & 0.085356 & 0.100126 & 3.44885 & 3.916656 & 0.006656\end{array}$ $\begin{array}{lllllllll}1000 & 1060.048 & 0.026804 & 0.10061 & 0.108638 & 0.114556 & 4.237866 & 4.072467 & 0.008969\end{array}$ $\begin{array}{lllllllll}1000 & 1008.253 & 0.026157 & 0.097532 & 0.109355 & 0.108454 & 4.162993 & 4.17463 & 0.013334\end{array}$ $\begin{array}{lllllllll}1000 & 899.848 & 0.027544 & 0.117482 & 0.09932 & 0.133542 & 4.064517 & 3.993839 & 0.007476 \\ 1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 782.3724 & 0.013791 & 0.1171 & 0.084438 & 0.08649 & 3.574115 & 3.61533 & 0.005937 \\ 1000 & 1023.38 & 0.025085 & 0.114501 & 0.136092 & 0.096634 & 4.138614 & 3.81941 & 0.006509\end{array}$ $\begin{array}{llllllllll}1000 & 970.3587 & 0.020799 & 0.10025 & 0.08143 & 0.098163 & 4.206118 & 4.317794 & 0.003154\end{array}$ $\begin{array}{llllllllll}1000 & 915.5065 & 0.011175 & 0.118047 & 0.112181 & 0.089042 & 3.618862 & 3.70401 & 0.010017\end{array}$ $\begin{array}{lllllllll}1000 & 1089.335 & 0.009007 & 0.088039 & 0.147232 & 0.102797 & 3.531798 & 4.255163 & 0.004955\end{array}$ $\begin{array}{lllllllll}1000 & 1038.068 & 0.009626 & 0.074058 & 0.060089 & 0.072338 & 3.42897 & 3.495564 & 0.004745\end{array}$ $\begin{array}{llllllll}1000 & 948.7363 & 0.007992 & 0.068884 & 0.061609 & 0.088961 & 3.50209 & 3.692827 \\ 0 & 0.004187\end{array}$ $\begin{array}{lllllllll}1000 & 877.7375 & 0.00959 & 0.073013 & 0.077498 & 0.093423 & 3.418535 & 3.832004 & 0.006234 \\ 1000 & 956.7108 & 0.005436 & 0.07089 & 0.086999 & 0.08103 & 3.726575 & 3.603131 & 0.002786\end{array}$ $\begin{array}{llllllll}1000 & 956.7108 & 0.005436 & 0.070897 & 0.086999 & 0.08103 & 3.726575 & 3.603131\end{array} 0.002786$ $\begin{array}{lllllllll}1000 & 1132.198 & 0.007035 & 0.095474 & 0.05324 & 0.077769 & 3.818563 & 4.265658 & 0.0044429\end{array}$ $\begin{array}{lllllllll}1000 & 832.1126 & 0.002605 & 0.061511 & 0.074868 & 0.06125 & 3.255207 & 3.280071 & 0.004004\end{array}$

 $\begin{array}{lllllllll}1000 & 996.8766 & 0.006269 & 0.087424 & 0.100508 & 0.083565 & 3.424422 & 3.843026 & 0.002962\end{array}$ $\begin{array}{llllllll}1000 & 11566.703 & 0.004006 & 0.07669 & 0.143069 & 0.07541 & 4.075957 & 4.187035 \\ 0.0008059\end{array}$ $\begin{array}{lllllllll}1000 & 891.4227 & 0.005092 & 0.071734 & 0.099173 & 0.066068 & 3.936154 & 3.715779 & 0.003858 \\ 1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.149235 & 3.635626 & 0.006679\end{array}$ $\begin{array}{lllllllll}1000 & 820.8355 & 0.011083 & 0.071465 & 0.02727 & 0.076989 & 3.419235 & 3.635626 & 0.006679 \\ 1000 & 887.3393 & 0.007285 & 0.070707 & 0.068663 & 0.068881 & 3.750428 & 3.773376 & 0.007114\end{array}$ $\begin{array}{llllllllll}1000 & 1066.959 & 0.019271 & 0.093481 & 0.093181 & 0.077137 & 5.787344 & 4.372779 & 0.00946\end{array}$ $\begin{array}{llllllllll}1000 & 1302.067 & 0.015506 & 0.082069 & 0.124692 & 0.131703 & 4.986151 & 4.585501 & 0.007337\end{array}$ $\begin{array}{lllllllllllll}1000 & 812.4959 & 0.012109 & 0.079873 & 0.06104 & 0.073313 & 3.527808 & 3.821447 & 0.006674\end{array}$ $\begin{array}{llllllllll}1000 & 966.9775 & 0.020721 & 0.140384 & 0.134148 & 0.161083 & 4.422682 & 4.712396 & 0.013498\end{array}$ $\begin{array}{lllllllll}1000 & 1229.557 & 0.026476 & 0.231236 & 0.219388 & 0.204314 & 5.637636 & 5.061217 & 0.011036\end{array}$ $\begin{array}{lllllllll}1000 & 1313.712 & 0.033448 & 0.239708 & 0.20347 & 0.228106 & 4.579264 & 4.589 & 0.013898\end{array}$ $\begin{array}{lllllllll}1000 & 914.5175 & 0.026937 & 0.133971 & 0.126773 & 0.111383 & 3.678068 & 3.943558 & 0.010162 \\ 1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573\end{array}$ $\begin{array}{lllllrlll}1000 & 864.5944 & 0.032814 & 0.133279 & 0.149503 & 0.162617 & 4.940002 & 4.475812 & 0.008573 \\ 1000 & 1240.811 & 0.030683 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.672415 & 0.009696\end{array}$ $\begin{array}{lllllllll}1000 & 1240.811 & 0.030383 & 0.144564 & 0.146055 & 0.1252 & 4.609412 & 4.678415 & 0.009696 \\ 1000 & 938.2688 & 0.037719 & 0.12271 & 0.098416 & 0.091121 & 3.680776 & 3.610763 & 0.007546\end{array}$ $\begin{array}{llllllllll}1000 & 955.4093 & 0.024604 & 0.105046 & 0.126463 & 0.124623 & 4.207025 & 4.286892 & 0.007193\end{array}$ $\begin{array}{llllllllll}1000 & 996.0414 & 0.030438 & 0.120475 & 0.089153 & 0.114515 & 4.168469 & 4.529134 & 0.012263\end{array}$ $\begin{array}{llllllllll}1000 & 9999.7431 & 0.024646 & 0.109388 & 0.125527 & 0.094572 & 4.160495 & 4.009752 & 0.009175\end{array}$ $\begin{array}{lllllllll}1000 & 9933.2419 & 0.025452 & 0.130885 & 0.124318 & 0.110991 & 3.697623 & 4.156844 & 0.006706 \\ 1000 & 817.6111 & 0.020671 & 0.092829 & 0.082038 & 0.072505 & 351454 & 3.16952 & 0.004626\end{array}$ $\begin{array}{lllllllll}1000 & 817.6111 & 0.020671 & 0.098229 & 0.082039 & 0.072505 & 3.514754 & 3.16052 & 0.004626\end{array}$ | 1000 | 804.1267 | 0.018368 | 0.101029 | 0.083987 | 0.085626 | 2.83094 | 3.259825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 982.0805 | 0.006618 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 982.0805 & 0.022924 & 0.122517 & 0.069108 & 0.089649 & 3.891964 & 3.569157 & 0.007357 \\ 1000 & 959.0853 & 0.012008 & 0.083894 & 0.067447 & 0.089008 & 3.451132 & 3.487726 & 0.003747\end{array}$ $\begin{array}{lllllllll}1000 & 9028.965 & 0.018894 & 0.081575 & 0.069721 & 0.083393 & 3.542995 & 3.851619 & 0.008792\end{array}$ $\begin{array}{llllllllll}1000 & 1009.537 & 0.015858 & 0.067928 & 0.085206 & 0.080828 & 3.688952 & 3.454282 & 0.003702\end{array}$ $\begin{array}{llllllllllllll}1000 & 755.3925 & 0.009323 & 0.066262 & 0.039059 & 0.041791 & 2.989262 & 2.906366 & 0.003535\end{array}$


$\begin{array}{llll}0.054092 & 0.289757 & 0.340842 & 0.368277\end{array}$ $\begin{array}{lllll}0.033654 & 0.321184 & 0.391179 & 0.387664\end{array}$ $\begin{array}{llllll}0.030532 & 0.279849 & 0.286134 & 0.274418\end{array}$ $\begin{array}{llllll}0.035466 & 0.267416 & 0.355427 & 0.436274\end{array}$ $\begin{array}{lllll}0.030554 & 0.291698 & 0.427795 & 0.398125\end{array}$ $\begin{array}{llllll}0.036795 & 0.360412 & 0.394157 & 0.442223\end{array}$ $\begin{array}{lllll}0.030096 & 0.285217 & 0.423649 & 0.329241\end{array}$ $\begin{array}{llll}0.055956 & 0.241749 & 0.54953 & 0.3979 \\ 0.048328 & 0.342476 & 0.50657 & 0.36987\end{array}$ $\begin{array}{lllll}0.044503 & 0.340649 & 0.530332 & 0.475021\end{array}$ $\begin{array}{lllll}0.051932 & 0.260829 & 0.519429 & 0.532244\end{array}$ $\begin{array}{lllll}0.054454 & 0.25881 & 0.63729 & 0.587583\end{array}$ $\begin{array}{llllll}0.041082 & 0.311026 & 0.536662 & 0.481904\end{array}$ $\begin{array}{lllllll}0.036808 & 0.263224 & 0.532341 & 0.501419\end{array}$ $\begin{array}{llllllll}0.057375 & 0.285146 & 0.490599 & 0.525493\end{array}$ $\begin{array}{llll}0.044492 & 0.342901 & 0.661416 & 0.764035 \\ 0.041267 & 0.298813 & 0.671696 & 0.701571\end{array}$ $\begin{array}{lllll}0.038368 & 0.271879 & 0.446489 & 0.506191\end{array}$ 0.0907130 .2569230 .6603050 .704226 $\begin{array}{llllllll}0.039179 & 0.305213 & 0.625065 & 0.597752\end{array}$ $\begin{array}{llllllll}0.030202 & 0.280147 & 0.746868 & 0.630979\end{array}$ $\begin{array}{lllllll}0.04115 & 0.25171 & 0.516556 & 0.566256\end{array}$ $\begin{array}{llll}0.04404 & 0.301776 & 0.598822 & 0.596956\end{array}$ $\begin{array}{llll}0.054676 & 0.183754 & 0.742675 & 0.469875\end{array}$ $\begin{array}{rrrr}0.062838 & 0.304259 & 0.728099 & 0.652668 \\ 0.091059 & 0.317841 & 0.633 & 0.759683\end{array}$ $0.0535390 .338518 \quad 0.710589 \quad 0.68128$ $\begin{array}{lllll}0.063652 & 0.214742 & 0.744885 & 0.676176\end{array}$ 0.0479970 .2058470 .5853780 .534424 $\begin{array}{llllllll}0.075172 & 0.342219 & 0.614194 & 0.797316\end{array}$ $\begin{array}{lllll}0.05574 & 0.24852 & 0.593205 & 0.554679\end{array}$ $\begin{array}{lllll}0.03444 & 0.297361 & 0.808939 & 0.747512\end{array}$ $\begin{array}{llll}0.072958 & 0.243379 & 0.437268 & 0.411238 \\ 0.063089 & 0.292698 & 0.527147 & 0.365824\end{array}$ $\begin{array}{lllll}0.044431 & 0.241997 & 0.470228 & 0.383968\end{array}$ $\begin{array}{llllll}0.044248 & 0.252502 & 0.478351 & 0.515959\end{array}$ $\begin{array}{lllll}0.052418 & 0.311691 & 0.487453 & 0.468492\end{array}$ $\begin{array}{llllll}0.053004 & 0.294721 & 0.507214 & 0.464104\end{array}$ $\begin{array}{lllllllll}0.04542 & 0.381908 & 0.569264 & 0.401692\end{array}$ $\begin{array}{llll}0.047889 & 0.2619 & 0.395656 & 0.402793\end{array}$ $\begin{array}{lllll}0.032389 & 0.140739 & 0.377277 & 0.315399\end{array}$ $\begin{array}{lllll}0.027599 & 0.211179 & 0.380193 & 0.337554\end{array}$ $\begin{array}{lllll}0.05389 & 0.23173 & 0.489868 & 0.423171\end{array}$ $\begin{array}{lllll}0.035395 & 0.284612 & 0.529018 & 0.337781\end{array}$ $\begin{array}{lllllll}0.057315 & 0.236459 & 0.440994 & 0.411801\end{array}$ $\begin{array}{llllll}0.02678 & 0.275264 & 0.4325 & 0.409186\end{array}$ $\begin{array}{llllll}0.038734 & 0.245814 & 0.397612 & 0.399987\end{array}$ $\begin{array}{llll}0.046876 & 0.269148 & 0.44984 & 0.379988 \\ 0\end{array}$ $\begin{array}{llll}0.045548 & 0.16684 & 0.346027 & 0.398413\end{array}$ $\begin{array}{llllll}0.040967 & 0.239262 & 0.351237 & 0.425069\end{array}$ $\begin{array}{lllll}0.037768 & 0.207041 & 0.43951 & 0.265456\end{array}$ 0.0327980 .2231490 .2234040 .26864 $\begin{array}{llllll}0.034179 & 0.195723 & 0.434751 & 0.32026\end{array}$ $\begin{array}{lllll}0.032551 & 0.330623 & 0.50207 & 0.388566\end{array}$ $\begin{array}{llllllll}0.040341 & 0.221148 & 0.452714 & 0.430264\end{array}$ $\begin{array}{llll}0.037549 & 0.253045 & 0.402368 & 0.425946 \\ 0.048674 & 0.301212 & 0.48684 & 0.397498\end{array}$ $\begin{array}{lllll}0.03533 & 0.1903 & 0.343706 & 0.4613488\end{array}$ $\begin{array}{llll}0.030153 & 0.226496 & 0.374542 & 0.415161\end{array}$ $\begin{array}{llllllll}0.042013 & 0.306414 & 0.687507 & 0.405286\end{array}$ $\begin{array}{llllllll}0.051944 & 0.280186 & 0.636568 & 0.351326\end{array}$

$\begin{array}{lllllllllll}1000 & 954.7402 & 0.011517 & 0.076657 & 0.073026 & 0.053915 & 3.454273 & 3.722854 & 0.004414\end{array}$ | 100 | 1272.714 | 0.00827 | 0.078577 | 0.079631 | 0.06909 | 3.380522 | 3.60338 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | 0.005034 |  |  |  |  |  |  |
| 1000 | 1090.563 | 0.012696 | 0.11002 | 0.155683 | 0.080239 | 3.342793 | 3.353529 | $\begin{array}{llllllll}1000 & 1090.563 & 0.012696 & 0.11002 & 0.135683 & 0.080239 & 3.342793 & 3.355329\end{array} 0.00738$ $\begin{array}{lllllllll}1000 & 1108.202 & 0.005335 & 0.109308 & 0.063518 & 0.067985 & 3.879584 & 3.752298 & 0.008857\end{array}$ $\begin{array}{lllllllll}1000 & 806.8444 & 0.004324 & 0.102574 & 0.059605 & 0.073346 & 3.653791 & 3.516556 & 0.0004051\end{array}$ $\begin{array}{lllllllll}1000 & 914.2567 & 0.004153 & 0.114086 & 0.049489 & 0.080209 & 3.794394 & 3.571954 & 0.004479 \\ 1000 & 893.4262 & 0.006385 & 0.042731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022\end{array}$ $\begin{array}{lllllllll}1000 & 893.4262 & 0.006385 & 0.082731 & 0.076987 & 0.088694 & 3.349167 & 3.234135 & 0.003022 \\ 1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043\end{array}$ $\begin{array}{lllllllll}1000 & 1069.166 & 0.012554 & 0.094661 & 0.088088 & 0.06563 & 3.868168 & 3.959434 & 0.006043 \\ 1000 & 1169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434\end{array}$ $\begin{array}{lllllllll}1000 & 169.189 & 0.012188 & 0.095725 & 0.082444 & 0.096606 & 3.770511 & 3.89979 & 0.00434 \\ 1000 & 1053.112 & 0.013905 & 0.094439 & 0.126871 & 0.084418 & 3.853167 & 3.719851 & 0.007851\end{array}$ $\begin{array}{llllllllll}1000 & 924.9597 & 0.013821 & 0.095901 & 0.092919 & 0.083954 & 3.303534 & 3.69245 & 0.008313\end{array}$ $\begin{array}{llllllllll}1000 & 929.897 & 0.011303 & 0.100757 & 0.124632 & 0.102378 & 3.70694 & 4.155721 & 0.006357\end{array}$ $\begin{array}{lllllllllllll}1000 & 816.8621 & 0.012361 & 0.068867 & 0.110598 & 0.067444 & 3.685269 & 3.213626 & 0.006508\end{array}$ $\begin{array}{lllllllll}1000 & 949.325 & 0.009912 & 0.106425 & 0.100117 & 0.096079 & 3.538048 & 3.874579 & 0.00542\end{array}$ $\begin{array}{llllllllll}1000 & 926.7873 & 0.007784 & 0.096236 & 0.118035 & 0.086178 & 3.763401 & 3.563227 & 0.005645\end{array}$ $\begin{array}{lllllllll}1000 & 912.4806 & 0.006225 & 0.086799 & 0.07192 & 0.071014 & 4.445459 & 3.966092 & 0.003644 \\ 1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 855.3644 & 0.010294 & 0.078531 & 0.0531 & 0.067343 & 3.829118 & 3.96471 & 0.00679 \\ 1000 & 739.955 & 0.008665 & 0.072257 & 0.059415 & 0.04739 & 3.539247 & 3.431989 & 0.003882\end{array}$ $\begin{array}{llllllllll}1000 & 923.6396 & 0.015139 & 0.088651 & 0.107531 & 0.101202 & 4.080767 & 4.18379 & 0.007229\end{array}$ $\begin{array}{lllllllll}1000 & 998.7942 & 0.014375 & 0.092799 & 0.069904 & 0.077983 & 4.859558 & 4.062325 & 0.00789\end{array}$ $\begin{array}{llllllllll}1000 & 964.0702 & 0.018234 & 0.095121 & 0.065995 & 0.08995 & 3.717948 & 3.640993 & 0.00806\end{array}$ $\begin{array}{llllllllll}1000 & 742.7638 & 0.015159 & 0.067252 & 0.065988 & 0.057898 & 3.160749 & 3.546165 & 0.005081\end{array}$ $\begin{array}{llllllllll}1000 & 905.9696 & 0.029472 & 0.080984 & 0.089015 & 0.088469 & 3.896241 & 3.704055 & 0.006701 \\ 1000 & 677.0832 & 0.018717 & 0.04472 & 0.0633 & 0.067052 & 2.083352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{lllllllll}1000 & 677.0832 & 0.017817 & 0.06472 & 0.0683 & 0.067052 & 2.983352 & 3.362263 & 0.00711\end{array}$ $\begin{array}{rrrrrrrr}1000 & 835.3986 & 0.0193 & 0.107959 & 0.061102 & 0.089965 & 3.770492 & 3.983881 \\ 1000 & 1055.227 & 0.031029 & 0.130869 & 0.149497 & 0.164357 & 4.198231 & 4.428987 \\ & 0.010879\end{array}$ $\begin{array}{lllllllll}1000 & 1135.769 & 0.024039 & 0.235507 & 0.261928 & 0.220107 & 5.123973 & 5.447309 & 0.011872\end{array}$ $\begin{array}{lllllllllll}1000 & 901.5444 & 0.024493 & 0.217719 & 0.170897 & 0.216832 & 3.868588 & 3.896199 & 0.008384\end{array}$ $\begin{array}{lllllllll}1000 & 816.8693 & 0.020738 & 0.159573 & 0.105127 & 0.128959 & 3.802623 & 3.555526 & 0.013581\end{array}$ $\begin{array}{lllllllll}1000 & 1104.072 & 0.031599 & 0.212523 & 0.119492 & 0.157064 & 4.515302 & 4.766327 & 0.011752 \\ 1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.731092 & 0.05317\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 1027.765 & 0.028029 & 0.11959 & 0.138913 & 0.128744 & 3.75151 & 3.730092 & 0.005317 \\ 1000 & 1437.525 & 0.029841 & 0.115872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044\end{array}$ $\begin{array}{lllllllll}1000 & 1437.525 & 0.029841 & 0.135872 & 0.150834 & 0.118534 & 4.564271 & 4.512696 & 0.006044 \\ 1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337\end{array}$ $\begin{array}{lllllllll}1000 & 882.0596 & 0.028499 & 0.115667 & 0.111035 & 0.117342 & 3.74195 & 3.439104 & 0.005337 \\ 1000 & 886.2676 & 0.025805 & 0.107506 & 0.089154 & 0.095463 & 3.506874 & 3.711658 & 0.003538\end{array}$ $\begin{array}{lllllllllll}1000 & 842.032 & 0.01552 & 0.084389 & 0.063155 & 0.04805 & 2.955204 & 3.227979 & 0.008163\end{array}$

 $\begin{array}{llllllllll}1000 & 1032.266 & 0.015278 & 0.093465 & 0.063198 & 0.092677 & 4.303188 & 4.427348 & 0.006097\end{array}$ $\begin{array}{llllllllll}1000 & 1163.191 & 0.012721 & 0.082095 & 0.074277 & 0.086568 & 3.662919 & 4.265463 & 0.005579\end{array}$ $\begin{array}{lllllllll}1000 & 952.1707 & 0.013492 & 0.094063 & 0.058444 & 0.058092 & 3.449602 & 4.095555 & 0.005638\end{array}$ $\begin{array}{lllllllll}1000 & 920.5129 & 0.01448 & 0.076023 & 0.110567 & 0.070273 & 4.091825 & 3.791303 & 0.005693 \\ 1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.01231 & 0.057516\end{array}$ $\begin{array}{lllllllll}1000 & 707.768 & 0.005773 & 0.054476 & 0.04656 & 0.060398 & 2.774121 & 2.912316 & 0.007516 \\ 1000 & 807.0471 & 0.006223 & 0.074684 & 0.046534 & 0.038346 & 3.623401 & 3.187006 & 0.004204\end{array}$ $\begin{array}{lllllllll}1000 & 786.2466 & 0.012113 & 0.075306 & 0.057192 & 0.0595963 & 3.457622 & 3.091417 & 0.0002475\end{array}$ $\begin{array}{llllllllll}1000 & 821.9089 & 0.009124 & 0.089605 & 0.072783 & 0.07465 & 3.35769 & 3.287442 & 0.005517\end{array}$ $\begin{array}{llllllllll}1000 & 894.1228 & 0.009497 & 0.069158 & 0.062235 & 0.06349 & 3.289014 & 3.156752 & 0.004948\end{array}$ $\begin{array}{lllllllll}1000 & 1255.886 & 0.004502 & 0.086547 & 0.049195 & 0.084082 & 4.200069 & 4.239499 & 0.007604\end{array}$ $\begin{array}{llllllllll}1000 & 979.8236 & 0.007467 & 0.074937 & 0.055611 & 0.062682 & 3.302284 & 3.395145 & 0.003378\end{array}$ $\begin{array}{llllllllll}1000 & 801.0604 & 0.006625 & 0.057144 & 0.060472 & 0.086758 & 3.259972 & 3.024607 & 0.004495\end{array}$ $\begin{array}{lllllllll}1000 & 1124.954 & 0.006173 & 0.09285 & 0.105135 & 0.059538 & 3.774991 & 3.56253 & 0.001245 \\ 1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183\end{array}$ $\begin{array}{lllllllll}1000 & 875.7512 & 0.006409 & 0.087916 & 0.064023 & 0.081451 & 2.83796 & 2.938225 & 0.004183 \\ 1000 & 854.2436 & 0.009424 & 0.089798 & 0.089011 & 0.055893 & 2.709052 & 2.916583 & 0.003743\end{array}$ $\begin{array}{llllllllll}1000 & 989.3375 & 0.0037 & 0.103038 & 0.156974 & 0.088905 & 3.726456 & 3.665479 & 0.004032\end{array}$ $\begin{array}{llllllll}1000 & 821.8877 & 0.008867 & 0.061957 & 0.090673 & 0.0882364 & 3.141303 & 3.178633 \\ 10.004269\end{array}$ $\begin{array}{llllllll}1000 & 866.6323 & 0.006408 & 0.066915 & 0.06133 & 0.032564 & 2.802162 & 2.939539\end{array} 0.0004649$ $\begin{array}{llllllllll}1000 & 1055.696 & 0.005932 & 0.126907 & 0.117148 & 0.107324 & 3.778802 & 3.430813 & 0.007249\end{array}$ $\begin{array}{llllllllll}1000 & 969.0599 & 0.006237 & 0.155476 & 0.165314 & 0.170515 & 3.348268 & 3.577276 & 0.007243\end{array}$ $\begin{array}{lllllllll}1000 & 905.1569 & 0.004503 & 0.224265 & 0.174133 & 0.181586 & 3.8038818 & 3.540683 & 0.004902\end{array}$ | 1000 | 951.0365 | 0.004052 | 0.154738 | 0.121003 | 0.181383 | 3.551357 | 3.640752 | 0.004787 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 0 | 1060767 |  |  |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 1067.671 & 0.010989 & 0.207167 & 0.158832 & 0.146679 & 3.860261 & 3.480168 & 0.009125 \\ 1000 & 931.7469 & 0.010827 & 0.13804 & 0.138839 & 0.15096 & 3.981674 & 3.594659 & 0.004702\end{array}$ $\begin{array}{llllllllll}1000 & 1294.978 & 0.009199 & 0.172773 & 0.150369 & 0.144599 & 3.823617 & 3.834228 & 0.004968\end{array}$ $\begin{array}{llllllllll}1000 & 924.7106 & 0.010711 & 0.124015 & 0.086709 & 0.098492 & 4.29976 & 4.196463 & 0.005101\end{array}$ $\begin{array}{llllllllll}1000 & 897.9803 & 0.007428 & 0.136189 & 0.127603 & 0.115538 & 4.292719 & 4.271929 & 0.004848\end{array}$



$\begin{array}{llll}0.038442 & 0.25717 & 0.516831 & 0.406998 \\ 0.0527 & 0.257097 & 0.620386 & 0.34931\end{array}$ $\begin{array}{llll}0.02527 & 0.257097 & 0.620386 & 0.434931 \\ 0.061144 & 0.310332 & 0.730268 & 0.680519\end{array}$ $\begin{array}{llllll}0.071205 & 0.314298 & 0.583505 & 0.478512\end{array}$ $\begin{array}{llllll}0.052534 & 0.276871 & 0.445369 & 0.504774\end{array}$ $\begin{array}{lllll}0.015175 & 0.293396 & 0.585299 & 0.549769\end{array}$ $\begin{array}{llll}0.03165 & 0.22969 & 0.519583 & 0.518659\end{array}$ $\begin{array}{llll}0.045952 & 0.23459 & 0.563636 & 0.396522\end{array}$ $\begin{array}{llll}0.057147 & 0.18637 & 0.799558 & 0.473108 \\ 0.068757 & 0.267118 & 0.605823 & 0.467768\end{array}$ $\begin{array}{lllll}0.043187 & 0.244831 & 0.461797 & 0.587721\end{array}$ $\begin{array}{lllll}0.037772 & 0.310535 & 0.620091 & 0.551422\end{array}$ $\begin{array}{llllll}0.065119 & 0.355241 & 0.662569 & 0.473378\end{array}$ $\begin{array}{llllllll}0.059956 & 0.234089 & 0.626285 & 0.509287\end{array}$ $\begin{array}{llllll}0.033424 & 0.234696 & 0.637721 & 0.476822\end{array}$ $\begin{array}{lllll}0.040207 & 0.258841 & 0.429187 & 0.386615\end{array}$ $\begin{array}{llll}0.077969 & 0.23213 & 0.398758 & 0.363042\end{array}$ $\begin{array}{lllll}0.036864 & 0.268675 & 0.377199 & 0.481184\end{array}$ $\begin{array}{llllll}0.041442 & 0.189062 & 0.30631 & 0.449111\end{array}$ $\begin{array}{llllll}0.052248 & 0.287395 & 0.579813 & 0.526782\end{array}$ $\begin{array}{lllllllll}0.063923 & 0.239549 & 0.520816 & 0.483008\end{array}$ $\begin{array}{lllll}0.057084 & 0.280712 & 0.58164 & 0.48744\end{array}$ 0.0634230 .2595940 .4948980 .523258 $\begin{array}{llll}0.058473 & 0.235757 & 0.455991 & 0.501626\end{array}$ $\begin{array}{lllll}0.047727 & 0.191102 & 0.477394 & 0.41884\end{array}$ $0.046566 \quad 0.189850 .390194 \quad 0.518502$ $\begin{array}{llllll}0.048197 & 0.238425 & 0.315025 & 0.320648\end{array}$ $\begin{array}{lllll}0.028413 & 0.22096 & 0.406216 & 0.361386\end{array}$ $\begin{array}{lllllllll}0.047731 & 0.242989 & 0.325732 & 0.331523\end{array}$ $\begin{array}{llllll}0.043665 & 0.297089 & 0.395603 & 0.414018\end{array}$ $\begin{array}{llll}0.026401 & 0.223158 & 0.389837 & 0.288353 \\ 0.047581\end{array}$ $\begin{array}{llll}0.047581 & 0.260213 & 0.46345 & 0.453713 \\ 0.03868 & 0.27180 & 0.41396\end{array}$ $\begin{array}{lllll}0.033133 & 0.328421 & 0.478138 & 0.42187\end{array}$ $\begin{array}{lllll}0.029398 & 0.206787 & 0.313435 & 0.291317\end{array}$ $\begin{array}{lllll}0.036079 & 0.242836 & 0.500053 & 0.489265\end{array}$ $\begin{array}{lllll}0.042607 & 0.33338 & 0.528459 & 0.539427\end{array}$ $\begin{array}{llllllll}0.051765 & 0.206022 & 0.495715 & 0.468539\end{array}$ $\begin{array}{lllll}0.058844 & 0.29485 & 0.560731 & 0.49751\end{array}$ $\begin{array}{llll}0.0517 & 0.298168 & 0.512608 & 0.563671\end{array}$ $0.04832 \quad 0.257184 \quad 0.5396970 .531525$ $\begin{array}{llllll}0.048428 & 0.246065 & 0.475737 & 0.582102\end{array}$ $\begin{array}{lllll}0.064369 & 0.282002 & 0.798178 & 0.558916\end{array}$ $\begin{array}{lllll}0.0432 & 0.278067 & 0.712591 & 0.411828\end{array}$ $\begin{array}{lllll}0.03775 & 0.238837 & 0.5676 & 0.58576\end{array}$ $\begin{array}{llll}0.060746 & 0.364108 & 0.702367 & 0.656429\end{array}$ $\begin{array}{lllll}0.057087 & 0.284162 & 0.48523 & 0.5973\end{array}$ $\begin{array}{lllll}0.047673 & 0.253842 & 0.6202924 & 0.516247\end{array}$ $\begin{array}{lllll}0.045499 & 0.232241 & 0.672168 & 0.576548\end{array}$ $\begin{array}{llllll}0.045464 & 0.315771 & 0.722766 & 0.493657\end{array}$ 0.0575830 .2455960 .6069050 .714614 0.0612110 .2619110 .7010140 .566689 $\begin{array}{lllll}0.078006 & 0.28854 & 1.068701 & 0.803587\end{array}$ 0.0631130 .2561910 .711990 .558512 | 0.066681 | 0.243699 | 0.841431 | 0.630426 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.088124 & 0.336349 & 0.711457 & 0.631812\end{array}$ $\begin{array}{lllllllllll}0.086743 & 0.288037 & 0.638205 & 0.677122\end{array}$ $\begin{array}{llllll}0.064036 & 0.264724 & 0.707442 & 0.5739\end{array}$ $0.0598670 .204498 \quad 0.8126870 .759961$


$\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509\end{array}$ $\begin{array}{lllllllll}1000 & 821.0198 & 0.005959 & 0.096602 & 0.102371 & 0.07856 & 3.409246 & 3.500661 & 0.006509 \\ 1000 & 762.0388 & 0.00795 & 0.128038 & 0.074348 & 0.079606 & 3.476258 & 3.034351 & 0.005465 \\ 100 & 1052.09 & 0.00533 & 0.09129 & 0.112255 & 0.08046 & 3.664733 & 354152 & 0.006605\end{array}$ $\begin{array}{lllllllll}1000 & 1052.099 & 0.00533 & 0.091295 & 0.112255 & 0.080486 & 3.664733 & 3.54152 & 0.006605 \\ 1000 & 1051.951 & 0.008579 & 0.165697 & 0.16662 & 0.118474 & 3.802618 & 4.566825 & 0.011598\end{array}$ | 1000 | 989.5235 | 0.008902 | 0.200976 | 0.145518 | 0.118474 | 3.802618 | 4.566825 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 972.0827 & 0.004235 & 0.206003 & 0.250322 & 0.183376 & 3.723078 & 4.528188 & 0.013964 \\ 1000 & 8918153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 & 0.009422\end{array}$ $\begin{array}{llllllll}1000 & 981.8153 & 0.006849 & 0.182253 & 0.248586 & 0.17384 & 3.16589 & 3.560643 \\ 1000 & 726.1338 & 0.0009422 \\ 1 & 0.003448 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826\end{array}$ $\begin{array}{lllllllll}1000 & 726.1338 & 0.009348 & 0.16788 & 0.100877 & 0.153238 & 3.565162 & 3.588739 & 0.009826 \\ 1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1006.475 & 0.005789 & 0.15038 & 0.104415 & 0.134879 & 3.794074 & 3.52604 & 0.008158\end{array}$ $\begin{array}{lllllllll}1000 & 1226.964 & 0.009147 & 0.177234 & 0.090228 & 0.118526 & 4.50919 & 4.470555 & 0.016023 \\ 1000 & 1085.245 & 0.010195 & 0.115909 & 0.098565 & 0.112037 & 4.157035 & 4.397444 & 0.010475\end{array}$ $\begin{array}{lllllllll}1000 & 939.0951 & 0.008627 & 0.088813 & 0.092862 & 0.062909 & 3.879353 & 4.08061 & 0.010917\end{array}$ $\begin{array}{llllllllll}1000 & 956.2717 & 0.014147 & 0.092143 & 0.103312 & 0.104097 & 4.150971 & 3.924027 & 0.01226\end{array}$ $\begin{array}{lllllllll}1000 & 1268.439 & 0.023652 & 0.093111 & 0.062893 & 0.086107 & 4.704849 & 3.951365 & 0.008615\end{array}$ $\begin{array}{llllllllll}1000 & 921.0053 & 0.020339 & 0.112914 & 0.098795 & 0.067773 & 3.749381 & 4.035968 & 0.01057\end{array}$ $\begin{array}{lllllllll}1000 & 939.862 & 0.015328 & 0.106537 & 0.094315 & 0.056636 & 4.096933 & 3.679957 & 0.007764 \\ 1000 & 969.6646 & 0.015642 & 0.094104 & 0.065526 & 0.102136 & 3.633843 & 3.429528 & 0.008389\end{array}$ $\begin{array}{lllllllll}1000 & 969.6646 & 0.015642 & 0.094104 & 0.066526 & 0.102136 & 3.633843 & 3.429528 & 0.008389 \\ 1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174\end{array}$ $\begin{array}{lllllllll}1000 & 866.6094 & 0.014907 & 0.074357 & 0.057278 & 0.088546 & 3.987953 & 4.019236 & 0.005174 \\ 1000 & 1007.789 & 0.00971 & 0.081533 & 0.059426 & 0.085335 & 3.948402 & 3.629657 & 0.004987\end{array}$ $\begin{array}{lllllllll}1000 & 779.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565\end{array}$ $\begin{array}{lllllllll}1000 & 79.6604 & 0.007996 & 0.105487 & 0.125484 & 0.10756 & 3.613179 & 3.080824 & 0.006565 \\ 1000 & 1066.358 & 0.00749 & 0.190354 & 0.189874 & 0.199806 & 3.625899 & 3.923751 & 0.002367\end{array}$ $\begin{array}{llllllll}1000 & 932.7008 & 0.008039 & 0.186358 & 0.22455 & 0.162356 & 3.84742 & 4.001767 \\ 10.0063837\end{array}$ $\begin{array}{lllllllll}1000 & 980.2405 & 0.011095 & 0.247101 & 0.14842 & 0.202215 & 3.554103 & 3.964025 & 0.005584\end{array}$ $\begin{array}{lllllllll}1000 & 1015.092 & 0.0059 & 0.19079 & 0.1428 & 0.200354 & 3.66321 & 3.684331 & 0.0054656 \\ 1000 & 1232576 & 0.00892 & 0.169017 & 0.122214 & 0.170122 & 377353 & 3.45667 & 0.007528\end{array}$ $\begin{array}{lllllllll}1000 & 1232.576 & 0.008992 & 0.169017 \\ 1000 & 937.2437 & 0.007459 & 0.117415 & 0.0921056 & 0.170122 & 3.773353 & 3.845667 & 0.007528 \\ 1 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 937.2437 & 0.007459 & 0.117415 & 0.091056 & 0.109967 & 3.50119 & 3.407662 & 0.006213\end{array}$ $\begin{array}{lllllllll}1000 & 1022.361 & 0.011118 & 0.142214 & 0.072042 & 0.092509 & 3.62891 & 3.852747 & 0.005411 \\ 1000 & 899.6914 & 0.009343 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 & 0.007031\end{array}$ $\begin{array}{llllllll}1000 & 899.6914 & 0.009383 & 0.091111 & 0.047168 & 0.089853 & 3.97849 & 3.706621 \\ 1000 & 842.7406 & 0.008896 & 0.088817 & 0.059609 & 0.104841 & 2.940103 & 3.123158 \\ 0.003311\end{array}$ $\begin{array}{lllllllll}1000 & 1104.459 & 0.014924 & 0.090176 & 0.042275 & 0.070423 & 4.073826 & 3.79903 & 0.003844\end{array}$ $\begin{array}{lllllllll}1000 & 978.4407 & 0.00805 & 0.082218 & 0.0070286 & 0.065493 & 3.223089 & 3.60059 & 0.0033515\end{array}$ $\begin{array}{lllllllll}1000 & 1162.722 & 0.009449 & 0.099094 & 0.085935 & 0.102102 & 4.027651 & 4.378036 & 0.003163\end{array}$ $\begin{array}{lllllllll}1000 & 756.8576 & 0.0078821 & 0.05696 & 0.0688695 & 0.068883 & 3.040587 & 2.94512 & 0.002299\end{array}$ $\begin{array}{lllllllll}1000 & 971.519 & 0.007318 & 0.069 & 0.094197 & 0.043817 & 3.513508 & 4.053341 & 0.003582\end{array}$ $\begin{array}{lllllllll}1000 & 959.3546 & 0.009271 & 0.087096 & 0.102484 & 0.07995 & 3.634127 & 3.926655 & 0.003381 \\ 1000 & 1019.094 & 0.006991 & 0.084875 & 0.095649 & 0.069527 & 4.09079 & 4.045614 & 0.004528\end{array}$ $\begin{array}{lllllllll}1000 & 763.6563 & 0.0005523 & 0.060883 & 0.0377828 & 0.0677001 & 2.750182 & 2.646371 & 0.001986\end{array}$ $\begin{array}{lllllllll}1000 & 892.8149 & 0.003764 & 0.08229 & 0.074591 & 0.075081 & 3.599805 & 4.337732 & 0.002417\end{array}$ $\begin{array}{llllllllll}1000 & 1077.353 & 0.006662 & 0.123206 & 0.075494 & 0.078135 & 4.048893 & 4.267745 & 0.004194\end{array}$ $\begin{array}{lllllllll}1000 & 1125.596 & 0.003603 & 0.094028 & 0.108934 & 0.092433 & 5.967074 & 4.696057 & 0.006665\end{array}$ $\begin{array}{lllllllll}1000 & 939.0287 & 0.004171 & 0.073003 & 0.041026 & 0.044625 & 3.420683 & 3.260777 & 0.0004614\end{array}$ $\begin{array}{lllllllll}1000 & 1139.014 & 0.001388 & 0.106343 & 0.102611 & 0.09935 & 4.500358 & 4.412559 & 0.010617 \\ 1000 & 1417.454 & 0.006477 & 0.113838 & 0.124553 & 0.094324 & 4.017941 & 4.145774 & 0.007085\end{array}$ $\begin{array}{llllllllll}1000 & 1417.454 .807 & 0.002359 & 0.085815 & 0.067423 & 0.076991 & 3.222431 & 3.381846 & 0.008018\end{array}$ $\begin{array}{llllllllll}1000 & 751.5371 & 0.005428 & 0.081747 & 0.080985 & 0.074071 & 2.786299 & 3.351637 & 0.011626\end{array}$ $\begin{array}{lllllllll}1000 & 975.036 & 0.010226 & 0.111202 & 0.165294 & 0.082725 & 4.409912 & 4.142978 & 0.009188\end{array}$ $\begin{array}{llllllllll}1000 & 786.2157 & 0.00564 & 0.102191 & 0.161635 & 0.092193 & 3.372319 & 3.721701 & 0.007232\end{array}$ $\begin{array}{llllllllll}1000 & 861.0951 & 0.005876 & 0.107937 & 0.105989 & 0.079509 & 3.549053 & 3.95556 & 0.007697\end{array}$ $\begin{array}{rrrrrrrr}1000 & 954.2135 & 0.009775 & 0.12469 & 0.106612 & 0.10979 & 4.590091 & 4.425664\end{array} 0.0011692$ $\begin{array}{lllllllll}1000 & 1041.884 & 0.008112 & 0.132957 & 0.109909 & 0.074753 & 4.222446 & 5.159665 & 0.009473 \\ 1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758\end{array}$ $\begin{array}{lllllllll}1000 & 825.3402 & 0.006003 & 0.095046 & 0.098149 & 0.098602 & 3.624048 & 3.512024 & 0.008758 \\ 1000 & 904.946 & 0.010895 & 0.073672 & 0.119999 & 0.079519 & 4.270964 & 4.144797 & 0.010374\end{array}$ $\begin{array}{llllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.010464\end{array}$ $\begin{array}{lllllllll}1000 & 872.4913 & 0.004784 & 0.098713 & 0.097761 & 0.090475 & 5.118186 & 4.699409 & 0.01046 \\ 1000 & 911.0554 & 0.01067 & 0.088499 & 0.09556 & 0.096052 & 4.670143 & 4.43382 & 0.009184\end{array}$ $\begin{array}{lllllllll}1000 & 889.0681 & 0.011204 & 0.102134 & 0.107378 & 0.11104 & 3.894069 & 5.12506 & 0.012518\end{array}$

 | 1000 | 1211.922 | 0.011633 | 0.193457 | 0.14533 | 0.188593 | 5.694847 | 5.9206474 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | 0.015963 $\begin{array}{lllllllll}1000 & 981.8394 & 0.014366 & 0.144531 & 0.103728 & 0.130518 & 4.183408 & 4.338904 & 0.010961 \\ 1000 & 845.2668 & 0.011602 & 0.139455 & 0.18139 & 0.148425 & 5.08163 & 4.01214 & 0.016106\end{array}$ $\begin{array}{lllllllll}1000 & 845.2668 & 0.011602 & 0.139455 & 0.181369 & 0.148425 & 5.08163 & 4.01214 & 0.016106 \\ 1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.512167 & 0.01294\end{array}$ $\begin{array}{lllllllll}1000 & 636.3879 & 0.013229 & 0.134601 & 0.145966 & 0.123982 & 3.434029 & 3.510167 & 0.011294 \\ 1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534\end{array}$ $\begin{array}{lllllllll}1000 & 1140.673 & 0.010942 & 0.199394 & 0.164789 & 0.150726 & 4.671393 & 4.98392 & 0.012534 \\ 1000 & 1130.177 & 0.011671 & 0.137384 & 0.143126 & 0.104623 & 4.115838 & 4.484978 & 0.017592\end{array}$ $\begin{array}{llllllllll}1000 & 1100.734 & 0.008856 & 0.126336 & 0.105349 & 0.148234 & 4.620265 & 4.866172 & 0.01935\end{array}$ $\begin{array}{lllllllll}1000 & 988.9117 & 0.011863 & 0.12533 & 0.119406 & 0.113521 & 4.459507 & 4.108756 & 0.012289\end{array}$



$\begin{array}{llll}0.088276 & 0.301746 & 0.684175 & 0.726887\end{array}$ $\begin{array}{llll}0.061252 & 0.2266 & 0.613263 & 0.527212 \\ 0.082422 & 0.252141 & 0.638955 & 0.65554\end{array}$ $\begin{array}{llllll}0.066214 & 0.188481 & 0.407644 & 0.532784\end{array}$ $\begin{array}{llllll}0.062069 & 0.271612 & 0.642627 & 0.690178\end{array}$ $\begin{array}{llllll}0.060618 & 0.23348 & 0.643379 & 0.482898\end{array}$ $\begin{array}{llllll}0.074204 & 0.316499 & 0.805413 & 0.761162\end{array}$ $\begin{array}{llllll}0.061303 & 0.241004 & 0.728796 & 0.659874\end{array}$ | 0.062817 | 0.262773 | 0.607984 | 0.54725 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.074315 & 0.229177 & 0.532464 & 0.589107\end{array}$ $\begin{array}{lllll}0.090322 & 0.269939 & 0.928538 & 0.579235\end{array}$ $\begin{array}{lllll}0.045584 & 0.396844 & 0.630934 & 0.45254\end{array}$ $\begin{array}{lllllll}0.066522 & 0.361326 & 0.576329 & 0.414493\end{array}$ $\begin{array}{llllll}0.061807 & 0.250508 & 0.605018 & 0.444609\end{array}$ $\begin{array}{lllll}0.019469 & 0.188175 & 0.364697 & 0.439939\end{array}$ $\begin{array}{llll}0.056201 & 0.341304 & 0.519805 & 0.539248\end{array}$ 083953 0.0636730 .2833760 .6229480 .442476 $\begin{array}{llllllll}0.085354 & 0.330917 & 0.561869 & 0.426571\end{array}$ 0.0633350 .3124160 .6146060 .645965 $0.056895 \quad 0.218410 .7316680 .544225$ $\begin{array}{lllll}0.057601 & 0.251343 & 0.773882 & 0.760661\end{array}$ $\begin{array}{lllll}0.072158 & 0.200817 & 0.72924 & 0.586831\end{array}$ | 0.0258304 | 0.29844 | 0.711803 | 0.551968 |
| :--- | :--- | :--- | :--- | :--- |
| 042546 | 0.350998 | 0.680474 | 0.677959 | 0.0513050 .3386450 .6995920 .623646 $\begin{array}{lllll}0.050569 & 0.263866 & 0.789198 & 0.578686\end{array}$ $\begin{array}{lllllll}0.052159 & 0.292072 & 0.863879 & 0.544516\end{array}$ $\begin{array}{llllll}0.052515 & 0.271795 & 0.563818 & 0.585331\end{array}$ $\begin{array}{lllll}0.065539 & 0.242077 & 0.592998 & 0.538706\end{array}$ $\begin{array}{llllll}0.093555 & 0.342871 & 0.752932 & 0.633264\end{array}$ $\begin{array}{lllll}0.045633 & 0.181018 & 0.497428 & 0.29859 \\ 0.060617 & 0.226135 & 0.711152 & 0.500131\end{array}$ $0.0819380 .294266 \quad 0.606523 \quad 0.531855$ $\begin{array}{llll}0.066549 & 0.214035 & 0.67254 & 0.37811\end{array}$ $\begin{array}{llllll}0.087322 & 0.262825 & 0.496692 & 0.575454\end{array}$ $\begin{array}{llllll}0.094805 & 0.2694 & 0.572967 & 0.625262\end{array}$ $\begin{array}{lllll}0.077395 & 0.24767 & 0.520745 & 0.555115\end{array}$ $\begin{array}{lllll}0.104466 & 0.192254 & 0.668985 & 0.561807\end{array}$ $\begin{array}{llll}0.104908 & 0.276741 & 0.781278 & 0.658763\end{array}$ $\begin{array}{lllll}0.062864 & 0.228395 & 0.612342 & 0.518708\end{array}$ 01126350.2874230 .7258550 .783772 0.0892710 .2112760 .591070 .693697 0.0597660 .2260260 .9191020 .502028 $\begin{array}{llllllll}0.094103 & 0.292796 & 0.794171 & 0.631834\end{array}$ $\begin{array}{llll}0.047497 & 0.246617 & 0.477928 & 0.589447\end{array}$ $\begin{array}{llll}0.084941 & 0.226485 & 0.575785 & 0.596837 \\ 0.067965 & 0.22133 & 0.546085 & 0.547582\end{array}$ $\begin{array}{lllll}0.1007 & 0.246375 & 0.645385 & 0.7444845\end{array}$ $0.06558 \quad 0.180890 .5108620 .403974$ $\begin{array}{lllll}0.110081 & 0.245778 & 0.82607 & 0.697008\end{array}$ $\begin{array}{lllll}0.064119 & 0.216909 & 0.65652 & 0.48817\end{array}$ $\begin{array}{llllllll}0.050474 & 0.225042 & 0.558581 & 0.791978\end{array}$ $\begin{array}{llll}0.104281 & 0.391839 & 0.75692 & 0.508091\end{array}$ $\begin{array}{llll}0.090344 & 0.197166 & 0.607726 & 0.513741\end{array}$ $\begin{array}{llll}100516 & 0.242699 & 0.484892 & 0.430921\end{array}$ $\begin{array}{lllll}0.06642 & 0.264238 & 0.666401 & 0.504242\end{array}$ $\begin{array}{llllll}0.080936 & 0.270039 & 0.760565 & 0.639192\end{array}$ $\begin{array}{lllll}0.127452 & 0.256219 & 1.224445 & 0.748797\end{array}$ $\begin{array}{lllllll}0.092625 & 0.251734 & 0.722863 & 0.877018\end{array}$


$\begin{array}{lllllllll}1000 & 1028.654 & 0.01416 & 0.146036 & 0.127012 & 0.12246 & 4.537907 & 4.526973 & 0.013951\end{array}$ | 1000 | 1028.654 | 0.01416 | 0.146036 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 741.1929 | 0.010975 | 0.105124 | 0.09514 | 0.107808 | 4.4249924 | 4.0712412 |
| 1000 | 952.0595 | 0.0143951 |  |  |  |  |  | $\begin{array}{lllllllll}1000 & 952.0595 & 0.014329 & 0.12192 & 0.137419 & 0.108744 & 4.581381 & 4.244194 & 0.012851 \\ 1000 & 729.668 & 0.012671 & 0.111895 & 0.071418 & 0.088819 & 3.029747 & 3.228529 & 0.007106\end{array}$ $\begin{array}{llllllllll}1000 & 854.5858 & 0.016368 & 0.139891 & 0.129363 & 0.115504 & 4.236453 & 4.770272 & 0.018807\end{array}$ $\begin{array}{llllllllll}1000 & 842.921 & 0.010945 & 0.129997 & 0.102735 & 0.109373 & 3.79367 & 3.548281 & 0.008332\end{array}$ $\begin{array}{llllllllll}1000 & 794.2845 & 0.016659 & 0.141958 & 0.104014 & 0.113704 & 4.640105 & 3.849413 & 0.0137706\end{array}$ $\begin{array}{lllllllll}1000 & 1167.565 & 0.017254 & 0.160906 & 0.105409 & 0.114498 & 4.568694 & 3.776259 & 0.018366 \\ 1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 389191 & 0.016555\end{array}$ $\begin{array}{lllllllll}1000 & 1101.746 & 0.013156 & 0.161716 & 0.168468 & 0.122167 & 3.851767 & 3.89191 & 0.016555 \\ 1000 & 965.6001 & 0.015165 & 0.136527 & 0.116746 & 0.143778 & 4.170457 & 3.644165 & 0.012015\end{array}$ $\begin{array}{llllllllll} \\ 1000 & 1083.225 & 0.011244 & 0.206303 & 0.183779 & 0.14417 & 3.601772 & 3.602176 & 0.014059\end{array}$ $\begin{array}{lllllllllll}1000 & 1064.777 & 0.013144 & 0.163366 & 0.147514 & 0.157111 & 4.303764 & 4.500307 & 0.011653\end{array}$ $\begin{array}{lllllllllllll}1000 & 1062.437 & 0.019864 & 0.129004 & 0.120001 & 0.188427 & 4.549566 & 4.011885 & 0.017755\end{array}$ $\begin{array}{lllllllll}1000 & 923.2339 & 0.011635 & 0.143064 & 0.126858 & 0.139267 & 3.941547 & 4.85899 & 0.008863\end{array}$ $\begin{array}{lllllllll}1000 & 1213.813 & 0.010406 & 0.169858 & 0.152512 & 0.119851 & 3.806865 & 4.150082 & 0.02047\end{array}$ $\begin{array}{lllllllll}1000 & 923.6479 & 0.012256 & 0.095026 & 0.116664 & 0.093599 & 2.715465 & 2.984093 & 0.007217\end{array}$ $\begin{array}{llllllll}1000 & 1085.34 & 0.012975 & 0.136139 & 0.077288 & 0.132261 & 4.865842 & 4.405829 \\ 1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 \\ 0.007217\end{array}$ $\begin{array}{lllllllll}1000 & 870.2768 & 0.014864 & 0.136386 & 0.097329 & 0.116884 & 4.483598 & 4.088801 & 0.007217 \\ 1000 & 862.2706 & 0.007757 & 0.111988 & 0.205936 & 0.103626 & 4.083303 & 3.97382 & 0.007812\end{array}$ $\begin{array}{llllllllll}1000 & 1166.525 & 0.012139 & 0.129308 & 0.139162 & 0.140302 & 4.250565 & 4.191167 & 0.009151\end{array}$ $\begin{array}{lllllllll}1000 & 952.1571 & 0.011935 & 0.133134 & 0.083742 & 0.122043 & 4.088579 & 4.19907 & 0.009608\end{array}$ $\begin{array}{lllllllll}1000 & 941.5586 & 0.009338 & 0.143548 & 0.15874 & 0.170051 & 4.659294 & 4.373576 & 0.008744\end{array}$ $\begin{array}{llllllll}1000 & 923.5269 & 0.012528 & 0.162324 & 0.18333 & 0.170523 & 4.541743 & 4.142688 \\ 0.011822\end{array}$ $\begin{array}{lllllllll}1000 & 1026.94 & 0.012264 & 0.180105 & 0.172468 & 0.144151 & 4.342586 & 4.366974 & 0.009263\end{array}$ $\begin{array}{lllllllll}1000 & 898.3809 & 0.008114 & 0.130117 & 0.099964 & 0.126973 & 3.777385 & 3.928593 & 0.008312 \\ 1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712\end{array}$ $\begin{array}{lllllllll}1000 & 926.6194 & 0.010882 & 0.165909 & 0.128308 & 0.163104 & 4.658864 & 4.890936 & 0.010712 \\ 1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 922.1283 & 0.015618 & 0.13231 & 0.109242 & 0.132849 & 3.928055 & 4.105162 & 0.012158 \\ 1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313\end{array}$ $\begin{array}{rrrrrrrrr}1000 & 989.887 & 0.011349 & 0.17015 & 0.13812 & 0.186725 & 4.744741 & 4.930843 & 0.012313 \\ 1000 & 1109.7 & 0.009778 & 0.157751 & 0.141267 & 0.137804 & 4.241498 & 4.38585 & 0.01028\end{array}$ $\begin{array}{llllllll}1000 & 1339.654 & 0.011492 & 0.14929 & 0.199302 & 0.149522 & 4.421682 & 4.237524 \\ 0 & 0.010604\end{array}$ $\begin{array}{llllllll}1000 & 997.6421 & 0.010745 & 0.153524 & 0.100455 & 0.155497 & 4.359638 & 4.041261\end{array} 0.013399$ $\begin{array}{lllllllll}1000 & 11177.886 & 0.017531 & 0.128017 & 0.111663 & 0.104768 & 4.660146 & 4.858161 & 0.006231\end{array}$ $\begin{array}{lllllllll}1000 & 1210.461 & 0.015324 & 0.132435 & 0.145524 & 0.136851 & 4.77324 & 4.363775 & 0.014741 \\ 1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016\end{array}$ $\begin{array}{lllllllll}1000 & 749.9531 & 0.01447 & 0.107174 & 0.137182 & 0.082237 & 3.475011 & 3.225571 & 0.006016 \\ 1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.101064 & 4.203854 & 3.677148 & 0.008598\end{array}$ $\begin{array}{lllllllll}1000 & 1037.04 & 0.009648 & 0.118222 & 0.096357 & 0.121064 & 4.203854 & 3.677148 & 0.008598 \\ & 10.01391 & 0.123925 & 0.079661 & 0.125541 & 4.107858 & 3.94834 & 0.013828\end{array}$ $\begin{array}{lllllllll}1000 & 1037.696 & 0.012634 & 0.1386 & 0.107391 & 0.105282 & 3.854211 & 3.969999 & 0.005841\end{array}$ $\begin{array}{llllllllll}1000 & 1129.114 & 0.015067 & 0.152818 & 0.112047 & 0.137587 & 4.371954 & 3.912304 & 0.015591\end{array}$ $\begin{array}{lllllllll}1000 & 1117.029 & 0.012253 & 0.148224 & 0.128415 & 0.137544 & 5.162413 & 4.703488 & 0.015218\end{array}$ $\begin{array}{lllllllll}1000 & 979.7382 & 0.01333 & 0.154674 & 0.111552 & 0.129612 & 3.934826 & 4.590088 & 0.014709\end{array}$ $\begin{array}{lllllllll}1000 & 843.3477 & 0.014759 & 0.139713 & 0.190255 & 0.16747 & 3.8035111 & 4.431059 & 0.015695 \\ 1000 & 1085.636 & 0.019048 & 0.197431 & 0.21304 & 0.169659 & 5.12123 & 5.455344 & 0.020732\end{array}$ $\begin{array}{lllllllll}1000 & 1085.636 & 0.019048 & 0.194431 & 0.21304 & 0.189659 & 5.121123 & 5.458534 & 0.020732 \\ 1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605\end{array}$ $\begin{array}{lllllllll}1000 & 1038.279 & 0.015185 & 0.151239 & 0.154958 & 0.166764 & 4.428675 & 4.833618 & 0.011605 \\ 1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519\end{array}$ $\begin{array}{lllllllll}1000 & 940.6066 & 0.018867 & 0.139534 & 0.177682 & 0.160223 & 4.328392 & 4.230083 & 0.01519 \\ 1000 & 1190.229 & 0.013511 & 0.21934 & 0.168678 & 0.194457 & 5.622224 & 5.323735 & 0.020317\end{array}$ $\begin{array}{lllllllll}1000 & 834.8856 & 0.01246 & 0.1542 & 0.127333 & 0.11528 & 4.061896 & 4.29263 & 0.010769\end{array}$ $\begin{array}{lllllllll}1000 & 804.4719 & 0.022858 & 0.173054 & 0.099757 & 0.141127 & 4.473441 & 4.824668 & 0.013614\end{array}$ $\begin{array}{lllllllll}1000 & 1024.253 & 0.012255 & 0.137631 & 0.147053 & 0.132348 & 4.726544 & 4.72257 & 0.01114\end{array}$ $\begin{array}{lllllllll}1000 & 772.5668 & 0.013253 & 0.113755 & 0.125139 & 0.111188 & 3.578967 & 3.349036 & 0.010864\end{array}$ $\begin{array}{lllllllll}1000 & 797.7377 & 0.01562 & 0.119882 & 0.088036 & 0.091384 & 3.778864 & 4.390999 & 0.013533 \\ 1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595\end{array}$ $\begin{array}{lllllllll}1000 & 1159.912 & 0.017987 & 0.125728 & 0.167511 & 0.112518 & 4.663532 & 6.240686 & 0.012595 \\ 1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392\end{array}$ $\begin{array}{lllllllll}1000 & 912.796 & 0.017653 & 0.163673 & 0.098047 & 0.126722 & 4.979159 & 4.53389 & 0.017392 \\ 1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.016209\end{array}$ $\begin{array}{lllllllll}1000 & 733.2541 & 0.011181 & 0.080366 & 0.096656 & 0.082855 & 3.52843 & 3.523609 & 0.013209 \\ 1000 & 793.5016 & 0.016685 & 0.103893 & 0.07264 & 0.094659 & 5.38651 & 4.247234 & 0.016791\end{array}$ $\begin{array}{llllllll}1000 & 1185.312 & 0.016539 & 0.132666 & 0.094909 & 0.094659 & 5.38651 & 4.247234\end{array} 0.01677911$ $\begin{array}{llllllllll}1000 & 697.6078 & 0.01846 & 0.094662 & 0.091253 & 0.084946 & 4.182955 & 5.041107 & 0.02312\end{array}$ $\begin{array}{lllllllll}1000 & 11335.368 & 0.017434 & 0.148563 & 0.105108 & 0.123007 & 5.409202 & 6.143914 & 0.0186445\end{array}$ $\begin{array}{lllllllll}1000 & 787.6569 & 0.015712 & 0.104125 & 0.106238 & 0.086148 & 3.792894 & 3.997855 & 0.020601\end{array}$ $\begin{array}{lllllllll}1000 & 855.5005 & 0.015852 & 0.089105 & 0.089334 & 0.112328 & 4.459324 & 4.034535 & 0.016094 \\ 1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383\end{array}$ $\begin{array}{lllllllll}1000 & 804.1401 & 0.01177 & 0.092648 & 0.075083 & 0.071091 & 3.454198 & 3.338007 & 0.014383 \\ 1000 & 798.7366 & 0.011834 & 0.106116 & 0.073641 & 0.077116 & 3.848758 & 3.920447 & 0.015228\end{array}$ $\begin{array}{lllllllll}1000 & 1131.456 & 0.020422 & 0.141462 & 0.150011 & 0.146175 & 5.627302 & 4.606008 & 0.0344136\end{array}$ $\begin{array}{lllllllllll}1000 & 1279.131 & 0.028515 & 0.143399 & 0.126882 & 0.153472 & 5.532589 & 6.666819 & 0.025455\end{array}$ $\begin{array}{lllllllll}1000 & 911.3863 & 0.02108 & 0.162773 & 0.112613 & 0.134924 & 4.442642 & 5.100058 & 0.030516\end{array}$



$\begin{array}{lllll}0.090057 & 0.180101 & 0.830395 & 0.754403\end{array}$ $\begin{array}{llrr}0.083849 & 0.278798 & 0.62593 & 0.548057 \\ 0.075134 & 0.286475 & 0.7264 & 0.693681\end{array}$ $\begin{array}{llllll}0.070151 & 0.271443 & 0.592123 & 0.583905\end{array}$ $\begin{array}{llllll}0.061049 & 0.242137 & 0.611778 & 0.468276\end{array}$ $\begin{array}{lllllll}0.093781 & 0.283921 & 0.800553 & 0.890701\end{array}$ $\begin{array}{llllll}0.128203 & 0.262215 & 0.564806 & 0.565075\end{array}$ $\begin{array}{llll}0.077443 & 0.301605 & 0.653682 & 0.788995\end{array}$ $\begin{array}{llll}0.067364 & 0.279434 & 0.764247 & 0.674885 \\ 0.068625 & 0.182857 & 0.49929 & 0.456977\end{array}$ $\begin{array}{lllll}0.063606 & 0.243555 & 0.520023 & 0.647503\end{array}$ $\begin{array}{lllll}0.092354 & 0.305761 & 0.698869 & 0.615705\end{array}$ $\begin{array}{lllll}0.075596 & 0.267653 & 0.686297 & 0.632793\end{array}$ 0.1064810 .2906210 .8572110 .787656 $\begin{array}{llll}0.082494 & 0.291002 & 0.96837 & 0.809503\end{array}$ $\begin{array}{llll}0.074321 & 0.210896 & 0.686823 & 0.69662\end{array}$ $\begin{array}{llll}0.091215 & 0.33628 & 0.730852 & 0.671029\end{array}$ $\begin{array}{lllll}0.066948 & 0.28887 & 0.68104 & 0.60688 \\ 0.081486 & 0.306322 & 0.711047 & 1.079506\end{array}$ $\begin{array}{llllll}0.065462 & 0.248445 & 0.689863 & 0.611956\end{array}$ $\begin{array}{lllllll}0.089089 & 0.268386 & 0.733076 & 0.703218\end{array}$ $\begin{array}{llllll}0.06911 & 0.228116 & 0.698244 & 0.643961\end{array}$ $\begin{array}{llllllll}0.029895 & 0.296329 & 0.837482 & 0.740833\end{array}$ $\begin{array}{lllllll}0.072636 & 0.276498 & 0.763179 & 0.747061\end{array}$ 0.0368090 .2551370 .7331030 .647129 $\begin{array}{llll}0.03837 & 0.21482 & 0.68111 & 0.843815\end{array}$ 0.0342480 .2465050 .6324640 .646172 $\begin{array}{llllll}0.074181 & 0.262642 & 0.892867 & 0.816515\end{array}$ $\begin{array}{llllllll}0.052496 & 0.238135 & 0.795326 & 0.691265\end{array}$ $\begin{array}{llllll}0.077356 & 0.288994 & 0.808497 & 0.81003\end{array}$ $\begin{array}{llllll}0.057233 & 0.232916 & 0.626737 & 0.757556\end{array}$ $\begin{array}{llll}0.079342 & 0.181322 & 0.847465 & 0.699947\end{array}$ $\begin{array}{llll}0.056261 & 0.22874 & 0.714012 & 0.428302 \\ 0.052135 & 0.278671 & 0.633279 & 0.57916\end{array}$ $\begin{array}{lllllll}0.07018 & 0.295099 & 0.575787 & 0.596536\end{array}$ $\begin{array}{lllll}0.029332 & 0.244052 & 0.523411 & 0.563131\end{array}$ 0.0540190 .2818710 .6094650 .551886 $\begin{array}{llllll}0.034087 & 0.19179 & 0.591307 & 0.469939\end{array}$ $\begin{array}{lllll}0.074669 & 0.31026 & 0.562337 & 0.48022\end{array}$ $\begin{array}{llll}0.047757 & 0.372461 & 0.703879 & 0.55887\end{array}$ | 0.055755 | 0.258088 | 0.613692 | 0.557978 |
| :--- | :--- | :--- | :--- | 04577202615320.5766330 .0 .50423 $\begin{array}{llllll}0.048644 & 0.281172 & 0.836609 & 0.58781\end{array}$ 0.0869740 .3269550 .5643510 .558935 $\begin{array}{llllllll}0.041806 & 0.289478 & 0.793145 & 0.633843\end{array}$ $\begin{array}{llllll}0.066083 & 0.239037 & 0.806439 & 0.649824\end{array}$ $\begin{array}{lllll}0.048886 & 0.253014 & 0.638303 & 0.568521\end{array}$ $\begin{array}{lllll}0.048273 & 0.210509 & 0.731103 & 0.880153\end{array}$ $\begin{array}{llll}0.052744 & 0.289267 & 1.018621 & 0.690509 \\ 0.038332 & 0.220743 & 0.794439 & 1.071487\end{array}$ $\begin{array}{llllll}0.045271 & 0.269298 & 0.607697 & 0.63781\end{array}$ $\begin{array}{lllll}0.051492 & 0.244513 & 0.713634 & 0.656599\end{array}$ $\begin{array}{lllll}0.055043 & 0.29409 & 0.548967 & 0.709825\end{array}$ $\begin{array}{llllllll}0.043631 & 0.225766 & 0.553996 & 0.627067\end{array}$ $\begin{array}{lllll}0.054931 & 0.364089 & 1.179798 & 0.899678\end{array}$ $\begin{array}{llll}0.060538 & 0.273018 & 0.89157 & 0.751192\end{array}$ | 0.080024 | 0.305151 | 1.064447 | 0.637774 |
| :--- | :--- | :--- | :--- | $\begin{array}{lllll}0.067099 & 0.320474 & 0.730043 & 0.904355\end{array}$ $\begin{array}{lllll}0.077519 & 0.301803 & 0.77401 & 0.785512\end{array}$ $\begin{array}{llllllll}0.047662 & 0.325748 & 1.001534 & 0.732589\end{array}$ $\begin{array}{llllll}0.081793 & 0.344131 & 0.883718 & 1.123488\end{array}$


$\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952\end{array}$ $\begin{array}{lllllllll}1000 & 1350.64 & 0.02895 & 0.167173 & 0.104082 & 0.135273 & 4.436849 & 6.064697 & 0.027952 \\ 1000 & 852.7033 & 0.022526 & 0.12547 & 0.100848 & 0.163057 & 4.580898 & 5.659965 & 0.020954\end{array}$ $\begin{array}{lllllllll}1000 & 874.9718 & 0.018863 & 0.151649 & 0.134745 & 0.146621 & 4.861314 & 5.084336 & 0.027006 \\ 1000 & 929.3493 & 0.013599 & 0.130454 & 0.118402 & 0.130938 & 4.799933 & 5.642004 & 0.017596\end{array}$ $\begin{array}{lllllllll}1000 & 806.2195 & 0.021178 & 0.118562 & 0.084522 & 0.117048 & 4.325884 & 4.025501 & 0.016481\end{array}$ $\begin{array}{llllllllll}1000 & 1264.182 & 0.01856 & 0.144559 & 0.146817 & 0.154722 & 4.590265 & 5.581338 & 0.020769\end{array}$ $\begin{array}{lllllllll}1000 & 1141.243 & 0.020414 & 0.162398 & 0.10281 & 0.156608 & 5.356503 & 5.208311 & 0.021378 \\ 1000 & 897.9089 & 0.01598 & 0.117317 & 0.18531 & 0.11238 & 4.59936 & 4.88282 & 0.016553\end{array}$ $\begin{array}{lllllllll}1000 & 897.9089 & 0.01598 & 0.117317 & 0.186319 & 0.111228 & 4.599356 & 4.88182 & 0.016553 \\ 1000 & 789.5533 & 0.13431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664\end{array}$ $\begin{array}{lllllllll}1000 & 789.5533 & 0.013431 & 0.144464 & 0.072733 & 0.111926 & 4.76063 & 4.132414 & 0.015664 \\ 1000 & 830.4513 & 0.011214 & 0.117648 & 0.1027 & 0.072961 & 3.466176 & 3.860394 & 0.011476\end{array}$ | 1000 | 830.4513 | 0.011214 | 0.117648 | 0.1027 | 0.072961 | 3.466176 | 3.860394 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 1026.596 | 0.010509 | 0.132961 | 0.138198 | 0.129651 | 4.88703 | 4.694534 | $\begin{array}{lllllllllllllllllll}1000 & 906.5125 & 0.012535 & 0.125429 & 0.119937 & 0.143361 & 4.849786 & 4.842747 & 0.017174\end{array}$ $\begin{array}{lllllllll}1000 & 066.51125 & 0.012535 & 0.125429 & 0.119937 & 0.143341 & 4.849876 & 4.842747 & 0.017174 \\ 1000 & 874.1378 & 0.014713 & 0.166582 & 0.132514 & 0.149416 & 4.44108 & 4.252585 & 0.015486\end{array}$ $\begin{array}{lllllllll}1000 & 918.9848 & 0.01071 & 0.19845 & 0.204507 & 0.171952 & 4.358566 & 4.711296 & 0.018166\end{array}$ $\begin{array}{lllllllll}1000 & 932.5596 & 0.013281 & 0.141466 & 0.183964 & 0.152985 & 4.393513 & 4.527203 & 0.0127775 \\ 1000 & 9055958\end{array}$ $\begin{array}{lllllllllll}1000 & 905.9589 & 0.010355 & 0.164632 & 0.117362 & 0.132887 & 3.831499 & 3.867516 & 0.012228\end{array}$ $\begin{array}{llllllll}1000 & 1003.854 & 0.010741 & 0.15347 & 0.081156 & 0.124061 & 4.390127 & 4.404645\end{array} 0.018499$ $\begin{array}{lllllllll}1000 & 1087.447 & 0.009096 & 0.111276 & 0.070753 & 0.115521 & 3.819932 & 4.125442 & 0.016509 \\ 1000 & 1165.679 & 0.011897 & 0.085796 & 0.054679 & 0.060075 & 3.898947 & 3.799543 & 0.009413\end{array}$ $\begin{array}{llllllllll}1000 & 1234.877 & 0.00553 & 0.107366 & 0.057808 & 0.087369 & 4.042756 & 4.246076 & 0.01063\end{array}$ $\begin{array}{lllllllll}1000 & 1099.013 & 0.012884 & 0.109704 & 0.087559 & 0.098853 & 4.593207 & 4.198 & 0.00959\end{array}$ $\begin{array}{lllllllll}1000 & 986.3523 & 0.003527 & 0.095674 & 0.073038 & 0.096257 & 4.056269 & 4.001018 & 0.012981\end{array}$ $\begin{array}{lllllllll}1000 & 1121.947 & 0.009057 & 0.119062 & 0.071335 & 0.09803 & 4.149483 & 4.217536 & 0.015653\end{array}$ $\begin{array}{lllllllll}1000 & 989.7175 & 0.006253 & 0.084097 & 0.09053 & 0.069706 & 4.326785 & 3.617283 & 0.012811\end{array}$ $\begin{array}{llllllll}1000 & 920.3768 & 0.009283 & 0.111957 & 0.089144 & 0.108179 & 4.038343 & 3.730325\end{array} 0.010578$ $\begin{array}{lllllllll}1000 & 996.9348 & 0.013789 & 0.133275 & 0.154769 & 0.114669 & 3.908295 & 3.608121 & 0.010197 \\ 1000 & 922.5062 & 0.012161 & 0.107979 & 0.064695 & 0.11 & 3.663677 & 4.123842 & 0.0091\end{array}$ $\begin{array}{llllllllll}1000 & 967.3259 & 0.009346 & 0.133964 & 0.088783 & 0.151347 & 3.340391 & 3.67791 & 0.008218\end{array}$ $\begin{array}{lllllllll}1000 & 821.8274 & 0.01201 & 0.112924 & 0.161463 & 0.117992 & 4.418531 & 4.126708 & 0.014034\end{array}$ $\begin{array}{llllllllll}1000 & 938.0528 & 0.012979 & 0.143831 & 0.090488 & 0.101102 & 4.093314 & 4.04827 & 0.008095\end{array}$ $\begin{array}{llllllllll}1000 & 963.8098 & 0.010389 & 0.141231 & 0.135047 & 0.112962 & 4.806208 & 4.55614 & 0.010506\end{array}$ $\begin{array}{lllllllll}1000 & 1010.771 & 0.009601 & 0.113105 & 0.093508 & 0.115327 & 3.634634 & 4.224371 & 0.00671 \\ 1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.788621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 1094.002 & 0.011032 & 0.138732 & 0.089312 & 0.123861 & 4.678621 & 4.38641 & 0.011411\end{array}$ $\begin{array}{lllllllll}1000 & 945.002 & 0.008883 & 0.128579 & 0.062934 & 0.105994 & 4.119318 & 3.811908 & 0.008776 \\ 1000 & 1000.38 & 0.01160 & 0.103859 & 0.092075 & 0.082194 & 4.527413 & 3.886186 & 0.012626\end{array}$ $\begin{array}{lllllllllll}1000 & 941.513 & 0.011288 & 0.091369 & 0.073175 & 0.091502 & 4.268201 & 3.966664 & 0.006225\end{array}$ $\begin{array}{llllllllllllllllll}1000 & 832.7509 & 0.011358 & 0.123557 & 0.117717 & 0.08752 & 3.926826 & 3.870103 & 0.005305\end{array}$ $\begin{array}{llllllllll}000 & 1091.785 & 0.009596 & 0.112907 & 0.131083 & 0.089413 & 3.980519 & 4.504179 & 0.008531\end{array}$ $\begin{array}{lllllllll}1000 & 798.7042 & 0.006648 & 0.072744 & 0.067197 & 0.069213 & 3.572284 & 3.213242 & 0.006301\end{array}$ $\begin{array}{lllllllll}1000 & 856.797 & 0.012389 & 0.073575 & 0.060721 & 0.080388 & 3.55837 & 4.237214 & 0.00613\end{array}$ $\begin{array}{llllllllll}1000 & 933.9843 & 0.008909 & 0.090247 & 0.059186 & 0.091978 & 3.827035 & 4.416919 & 0.007066\end{array}$ $\begin{array}{lllllllll}1000 & 1005.044 & 0.010942 & 0.080755 & 0.11284 & 0.100049 & 4.257321 & 3.888248 & 0.007668 \\ 1000 & 1109.264 & 0.013906 & 0.084676 & 0.090272 & 0.127708 & 4.082888 & 4.159102 & 0.007039\end{array}$

 $\begin{array}{lllllllll}1000 & 1050.892 & 0.012639 & 0.095231 & 0.108829 & 0.069224 & 3.48895 & 3.433321 & 0.00651 \\ 10.012256 & 0.083559 & 0.094399 & 0.08595 & 3.588081 & 3.84616 & 0.006362\end{array}$ $\begin{array}{llllllllll}1000 & 1073.743 & 0.016611 & 0.094162 & 0.050613 & 0.077413 & 3.750747 & 4.084998 & 0.005941\end{array}$ $\begin{array}{lllllllll}1000 & 1040.508 & 0.013303 & 0.085952 & 0.055027 & 0.0993271 & 4.431008 & 3.641332 & 0.006345\end{array}$ $\begin{array}{llllllllll}1000 & 948.8302 & 0.017151 & 0.120521 & 0.107967 & 0.105458 & 4.450501 & 4.169837 & 0.011552\end{array}$

 $\begin{array}{lllllllll}1000 & 1150.978 & 0.01103 & 0.112328 & 0.140965 & 0.104858 & 4.527291 & 4.246741 & 0.008904\end{array}$ $\begin{array}{lllllllll}1000 & 1078.461 & 0.010312 & 0.113554 & 0.110995 & 0.094182 & 4.582837 & 5.216003 & 0.007964 \\ 1000 & 979.3589 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563\end{array}$ $\begin{array}{lllllllll}1000 & 979.3559 & 0.012147 & 0.093536 & 0.088356 & 0.098552 & 4.269151 & 4.172228 & 0.00563 \\ 1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979\end{array}$ $\begin{array}{lllllllll}1000 & 1001.79 & 0.008194 & 0.100489 & 0.081281 & 0.111339 & 5.426067 & 4.867952 & 0.00979 \\ 1000 & 973.635 & 0.007862 & 0.095273 & 0.097306 & 0.056644 & 4.777448 & 4.033135 & 0.004704\end{array}$ $\begin{array}{lllllllll}1000 & 898.0397 & 0.0012928 & 0.084047 & 0.0973761 & 0.056644 & 4.777448 & 4.033135 & 0.004704 \\ 10.0964684 & 5.850733 & 4.297753 & 0.009108\end{array}$ $\begin{array}{lllllllll}1000 & 822.2072 & 0.009701 & 0.10902 & 0.077634 & 0.094442 & 4.545877 & 4.32527 & 0.005085\end{array}$ $\begin{array}{lllllllll}1000 & 944.5036 & 0.014902 & 0.128787 & 0.07847 & 0.101693 & 5.689784 & 5.067543 & 0.011265 \\ 1000 & 873.0413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ $\begin{array}{lllllllll}1000 & 873.9413 & 0.017785 & 0.096132 & 0.045706 & 0.090906 & 4.455805 & 4.182706 & 0.006601\end{array}$ | 1000 | 1160.539 | 0.016712 | 0.1056 | 0.124497 | 0.101001 | 5.15125 | 5.059805 | 0.006411 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | $\begin{array}{lllllllll}1000 & 1035.832 & 0.019257 & 0.104078 & 0.073098 & 0.089762 & 4.602694 & 4.446512 & 0.00825 \\ 1000 & 996.6967 & 0.020022 & 0.094208 & 0.072893 & 0.091969 & 4.68461 & 4.47308 & 0.009578\end{array}$ $\begin{array}{lllllllll}1000 & 1161.63 & 0.015064 & 0.119751 & 0.0660777 & 0.103982 & 4.663641 & 4.280423 & 0.008475\end{array}$ $\begin{array}{llllllllll}1000 & 1075.271 & 0.019046 & 0.136875 & 0.144539 & 0.112855 & 4.445872 & 4.013315 & 0.008608\end{array}$ $\begin{array}{llllllllll}1000 & 1047.164 & 0.028758 & 0.142505 & 0.167969 & 0.15747 & 5.70897 & 5.048413 & 0.011243\end{array}$

| 559.8638 | 101.01 | 133.02 | 350.39 | 371.44 | 9180.22 | 161664.1 | 255.07 | 248.07 | 31 | 207.05 | 7637.67 | 62026.25 | 50 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 560.1976 | 99.01 | 157.03 | 295.28 | 433.59 | 8903.88 | 193284.4 | 240.06 | 217.05 | 29 | 186.04 | 7869.58 | 69510.75 | 30 |
| 560.532 | 133.02 | 156.03 | 243.19 | 358.41 | 11063.63 | 183742.7 | 344.13 | 224.05 | 33 | 182.04 | 7534.98 | 70969.93 | 54 |
| 560.8658 | 104.01 | 175.03 | 359.41 | 362.42 | 9667.34 | 197549.6 | 338.12 | 273.08 | 43 | 220.05 | 7518.71 | 65877.77 | 32 |
| 561.1996 | 112.01 | 137.02 | 279.25 | 485.75 | 8136.66 | 152128.3 | 330.12 | 170.03 | 34 | 144.02 | 7443.49 | 64626.49 | 39 |
| 561.5339 | 117.01 | 149.02 | 425.57 | 388.48 | 8930.33 | 144822.1 | 300.1 | 158.03 | 26 | 157.03 | 7213.83 | 60076.08 | 24 |
| 561.8678 | 101.01 | 123.02 | 235.17 | 373.44 | 7790.66 | 135401.4 | 280.08 | 117.01 | 23 | 118.02 | 7053.34 | 56419.16 | 20 |
| 562.2016 | 101.01 | 176.03 | 316.32 | 341.37 | 7428.64 | 116872 | 310.1 | 91.01 | 3 | 114.01 | 6459.6 | 56851.48 | 5 |
| 562.5359 | 104.01 | 99.01 | 219.15 | 348.38 | 7434.93 | 121152.1 | 278.08 | 97.01 | 16 | 109.01 | 6027.73 | 52843.54 | 19 |
| 562.8698 | 79.01 | 149.02 | 226.16 | 330.34 | 7402.44 | 109689.1 | 259.07 | 73.01 | 11 | 84.01 | 5828.15 | 52872.66 | 18 |
| 563.2036 | 104.01 | 137.02 | 254.2 | 292.27 | 7618.47 | 119417.6 | 249.07 | 76.01 | 11 | 87.01 | 6180.77 | 48701.12 | 18 |

## Standard NIST SRN 610 used for shell 2388 <br> 2:|2016 herath_dilmil 2016-09-05\ruu Created: Mon Sep 05 17:58:12 2016

## All values are reported in ppm

GLITTER!: Trace Element Concentrations MDL filtered. Element std610_7 std610_8 stdd10_9 std610 $\begin{array}{llllll}\text { Li7 } & 473.25 & 462.46 & 465.96 & 470.24\end{array}$ $\begin{array}{lrrrr}\text { B11 } & 351.45 & 348.46 & 349.08 & 350.9 \\ \text { Mg25 } & 430.34 & 433.81 & 432.15 & 43.7\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 430.34 & 433.81 & 432.13 & 431.73\end{array}$ $\begin{array}{lrrrr}\text { Mg26 } & 4424 & 440.21 & 430.13 & 431.73 \\ \text { Ca43 } & 81473.75 & 8143.75 & 81473.77 & 814737\end{array}$ $\begin{array}{llllll}\text { Ca43 } & 81473.75 & 8140.21 & 430.29 & 432.72 \\ & 81473.77 & 81473.77\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 81210.13 & 81780.01 & 81439.73 & 81474.34\end{array}$ $\begin{array}{llrrr}\text { Mn55 } & 443.02 & 445.26 & 442.08 & 445.52\end{array}$ $\begin{array}{lllll}\text { Zn66 } & 436.91 & 492.07 & 460.31 & 457.04 \\ \text { Zn67 } & 441.38 & 483.82 & 459.25 & 45.57\end{array}$ $\begin{array}{lllll}\text { Zn67 } & 441.38 & 483.82 & 459.25 & 458.57 \\ \text { Zn68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ & & 53.5 & 51.96 & 54.57\end{array}$ $\begin{array}{lllll}\text { 2r68 } & 430.98 & 498.76 & 459.95 & 456.88 \\ \text { Sr86 } & 497.56 & 536.02 & 514.46 & 514.57 \\ \text { Sr88 } & 515.41 & 515.64 & 514.93 & 5152\end{array}$ $\begin{array}{llllll}\text { Sr88 } & 515.41 & 565.64 & 514.93 & 515.96 \\ \text { Ba137 } & 448.46 & 456.23 & & \end{array}$

GUITER!: Mean Raw CPS background NOT subtrated Element Mean Raw CPS background NOT subtracted.
std610 7
std610
8 std610 9 std610 Element std610_7 std610_8 std610_9 std610_10 $\begin{array}{lllll}\text { Li7 } & 840630 & 774959 & 634379 & 666687 \\ \text { B11 } & 176916 & 163919 & 122115 & 126585\end{array}$ $\begin{array}{llllll}\text { Mg25 } & 87675 & 81348 & 63959 & 6631\end{array}$ $\begin{array}{llllll}\text { Mg26 } & 105876 & 95037 & 74052 & 77259\end{array}$ $\begin{array}{llllll}\text { Са43 } & 197179 & 186631 & 157114 & 164209\end{array}$ $\begin{array}{llllll}\text { Ca44 } & 3301874 & 3109408 & 2608571 & 2726212\end{array}$ $\begin{array}{llllll}\text { Mn55 } & 834433 & 771902 & 598662 & 625398\end{array}$

| Zn66 | 115890 | 124138 | 102559 | 106915 |
| :--- | ---: | ---: | ---: | ---: | ---: |
| Zn67 | 19811 | 20548 | 16357 | 17053 |


|  | 19811 | 20548 | 16357 | 17053 |
| :--- | :--- | :--- | :--- | :--- |
| 2n68 | 90695 | 94465 | 75776 | 78915 |


| Sr86 | 108902 | 94465 | 75776 | 78915 |
| ---: | ---: | ---: | ---: | ---: | ---: |
|  | 10341 | 85315 | 89330 |  |

 $\begin{array}{llllll}\text { Ba137 } & 108577 & 104945 & 90541 & 95266\end{array}$

Average CPS/ppm X/Ca43
467.97751558 .117720 .123 $349.9725421 .1295 \quad 194.6357$ 432.0025 173.2039 80.0505 431.805 203.9254 94.24927 $81473.76 \quad 2.163681$
$81476.05 \quad 36.04146 \quad 16.65747$ $\begin{array}{r}443.97 \quad 1593.799736 .6143 \\ 461.5825 \\ 243.257 \\ \hline\end{array}$ $460.755 \quad 40.02615 \quad 18.499$ $461.6425 \quad 184.0445 \quad 85.060$ 515.6525186 .602486 .24302 $\begin{array}{lll}515.485 & 1556.279 & 719.2735\end{array}$ 452.035 220.8507 102.0717

Average
729163.8
147383.8
74824.5

88056 176283.3 2936516 707598.8
112375.5 84962.75 96222 99832.2
$\begin{array}{llllll}0.045024 & 0.242562 & 0.815599 & 0.658407\end{array}$ $\begin{array}{llllll}0.044512 & 0.304164 & 0.707952 & 0.801319\end{array}$ $\begin{array}{llll}0.044512 & 0.304164 & 0.707952 & 0.801319 \\ 0.061963 & 0.242966 & 0.468588 & 0.525642\end{array}$ $\begin{array}{llllll}0.045394 & 0.317474 & 0.794539 & 0.608854\end{array}$ $\begin{array}{lllllll}0.062297 & 0.283536 & 0.732397 & 0.989375\end{array}$ $\begin{array}{lllll}0.061521 & 0.285277 & 1.019278 & 0.710314\end{array}$ $\begin{array}{lllll}0.053057 & 0.260096 & 0.643378 & 0.780374\end{array}$
 $\begin{array}{lllll}0.059028 & 0.207786 & 0.627878 & 0.758577\end{array}$ $\begin{array}{llll}0.030565 & 0.344174 & 0.650979 & 0.719146\end{array}$

$\begin{array}{lllllllll}1000 & 1032.632 & 0.013431 & 0.155637 & 0.113652 & 0.141987 & 4.764557 & 4.591321 & 0.016482\end{array}$ $\begin{array}{llllllll}1000 & 1273.089 & 0.012058 & 0.140289 & 0.109384 & 0.128847 & 5.063505 & 5.305071\end{array} 0.010108$ $\begin{array}{lllllllll}1000 & 973.9181 & 0.019691 & 0.116563 & 0.100574 & 0.101002 & 3.89951 & 4.358914 & 0.014784\end{array}$ $\begin{array}{llllllllll}1000 & 1096.326 & 0.024948 & 0.120047 & 0.141027 & 0.102593 & 5.237366 & 5.397477 & 0.014452\end{array}$ $\begin{array}{llllllll}1000 & 950.8609 & 0.019161 & 0.101593 & 0.097402 & 0.104307 & 4.622672 & 4.571424 \\ 0.008019\end{array}$ $\begin{array}{lllllllll}1000 & 1019.028 & 0.019236 & 0.08596 & 0.09829 & 0.082331 & 5.179594 & 4.921326 & 0.0077618 \\ 1000 & 922.319 & 0.024655 & 0.069876 & 0.009644 & 0.0723 & 4.96557 & 5 & 200764\end{array}$ | 1000 | 1029.019 | 0.019236 | 0.08596 | 0.0982 | 0.082331 | 5.179594 | 4.921326 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 1000 | 0.007618 |  |  |  |  |  |  | $\begin{array}{llllllll}1000 & 955.3226 & 0.019871 & 0.074492 & 0.070319 & 0.077259 & 4.627473 & 4.830022\end{array} 0.000757$ $\begin{array}{llllllllll}1000 & 918.9416 & 0.015349 & 0.05673 & 0.045847 & 0.053921 & 4.632462 & 4.344124 & 0.006986\end{array}$


[^0]:    53
    65
    65
    65
    $\begin{array}{ll}52188.81 & 49224.33 \\ 557.27 & 4526.05 \\ 5521.35 \\ 53502.48\end{array}$ 95.01
    103.0 5859.5547445 .98
    5613.47
    5 68.01
    83.01

    $$
    \begin{array}{r}
    6 \\
    8 \\
    10
    \end{array}
    $$

    $$
    \begin{gathered}
    10 \\
    9 \\
    5
    \end{gathered}
    $$17

    12
    13
    13
    8
    8
    26
    37
    18
    23
    23
    $\begin{array}{ll}18 & 121.02 \\ 23 & 141.02 \\ 13 & 135\end{array}$
    $\begin{array}{ll}13 & 135.02 \\ 26 & 138.2\end{array}$

    | 15 | 10.02 | 9088.01 | 634589.59 |
    | :--- | :--- | :--- | :--- | :--- |
    | 106.01 | 9395.17 | 70654.97 |  || 14 | 107.01 | 73912.93 | 60654.97 |
    | :--- | :--- | :--- | :--- | :--- |
    | 3092.36 |  |  |  |$\begin{array}{rrrr}14 & 107.01 & 7712.93 & 63092.36 \\ 97.01 & 8101.61 & 68709.32\end{array}$$\begin{array}{lr}27 & 97.01 \\ 25 & 135.02 \\ & 13102\end{array}$$\begin{array}{llll}25 & 135.02 & 7187.42 & 70928.07 \\ 20 & 131.02 & 10550.11 & 71750.64 \\ 30 & 118.02 & 8116.88 & 67055\end{array}$$\begin{array}{ll}30 & 118.02 \\ 17 & 103.0 \\ 17 & 121.02\end{array}$

    $\begin{array}{ll}17 & 121.02 \\ 18 & 121.02 \\ 20 & 101.01\end{array}$
    $\begin{array}{lr}20 & 101.01 \\ 16 & 90.01 \\ 32 & 139.02\end{array}$

    $\begin{array}{ll}32 & 139.02 \\ 26 & 104.0 \\ 19 & 108.0\end{array}$| 19 | 108.01 |
    | ---: | ---: |
    | 30 | 125.02 |
    | 25 | 92.01 |
    | 21 | 125.02 |
    |  | 1200 |

[^1]:     $\begin{array}{ll}32 & 204 \\ 29 & 188 \\ 33 & 201\end{array}$

[^2]:    

    $\begin{array}{lll}6769.06 & 50286.95\end{array}$ | $6848.23 \quad 543$ |
    | :--- |
    | 6561.04 |
    | 592 | | 5286.95 |
    | :--- |
    |  |
    | 9330.81 |
    | 596.86 | $\begin{array}{lll}6561.04 & 59296.86 \\ 8196.28 & 51458\end{array}$ $\begin{array}{llll}186.04 & 6030.77 & 54875.95\end{array}$ $6497.13 \quad 55282.11$ $\begin{array}{llll}205.05 & 5838.28 & 55066.04\end{array}$ $\begin{array}{llll}155.03 & 8178.98 & 50697.05\end{array}$ $155.03 \quad 6121.98 \quad 53262.57$ $\begin{array}{lll}130.02 & 6336.89 & 4493382.77\end{array}$ $196.04 \quad 7407.92 \quad 52166.49$ $151.02 \quad 7220.9449162 .09$ $\begin{array}{llll}18.02 & 5936.54 & 55237.09\end{array}$ $\begin{array}{llll} & 6915.24 & 61582.44\end{array}$ $\begin{array}{llll}32.01 & 6957.88 & 57839.46\end{array}$ $\begin{array}{lll}122.02 & 6748.76 & 60713.12\end{array}$ $\begin{array}{llll} & 6503.22 & 55183.07\end{array}$ $\begin{array}{llll}99.01 & 6028.74 & 53937.7\end{array}$ $9.01 \quad 6914.22 \quad 83684.57$ $\begin{array}{llll}132.02 & 7426.21 & 79392.04\end{array}$ $\begin{array}{llll}13.01 & 6206.11 & 58580.07\end{array}$ 116.026629 .0283539 .01 $\begin{array}{llll}142.02 & 7122.4 & 67727.11 \\ 164.03 & 8440.7 & 58407.83\end{array}$ $\begin{array}{llll}155.03 & 7347.95 & 54911.9\end{array}$ $185.04 \quad 9746.45 \quad 56464.29$ $182.04 \quad 5663.08 \quad 55223.58$ $\begin{array}{llll}172.03 & 7048.26 & 59730.61\end{array}$ $\begin{array}{llll}171.03 & 6623.95 & 68255.9\end{array}$ $\begin{array}{lll}6490.03 & 61995.42\end{array}$ $11205 \quad 66385.11 \quad 66348.09$ | 18.04 | 8464.13 | 567999.53 |
    | :--- | :--- | :--- | :--- | $\begin{array}{llll}134.02 & 6904.07 & 65209.79\end{array}$ $\begin{array}{llll}164.03 & 7384.54 & 51773.0\end{array}$ $176.03 \quad 6914.22 \quad 57762.51$ | 188.04 | 5918.3 | 57900.56 |
    | :--- | :--- | :--- | $\begin{array}{lll}155.03 & 8547.67 & 60864.54\end{array}$ $\begin{array}{llll}1.103 & 7021.86 & 57211.8 \\ 721688 & 57848\end{array}$ | 163.1505 |
    | :--- | :--- |
    | 7460.77 | $\begin{array}{lll}.04 & 7860.42 & 75191.5\end{array}$ $213.05 \quad 8419.31 \quad 58542.6$ $192.04 \quad 7762.77 \quad 62107.3$ $\begin{array}{lll}161.03 & 7267.68 & 52812.1\end{array}$ $\begin{array}{lll}20.04 & 7091.93 & 48680.02\end{array}$ $\begin{array}{llll} & 6508.29 & 62879.63\end{array}$ | 63606.77 | 57535.1 |
    | :--- | :--- | :--- | :--- | $\begin{array}{lll} & 7498.38 & 55553.45 \\ 168.03 & 7289.01 & 63039.73\end{array}$ $\begin{array}{llll}181.04 & 65828.58 & 63049.72\end{array}$ $\begin{array}{llll}184.04 & 8783.1 & 55087.42\end{array}$ $\begin{array}{llll}195.04 & 8239.05 & 59384.2\end{array}$ $\begin{array}{llll}226.06 & 8106.7 & 63638.3\end{array}$ $\begin{array}{llll}207.05 & 6626.99 & 57173.42\end{array}$ $\begin{array}{lll}236.06 & 6639.17 & 63597.09\end{array}$ $\begin{array}{lll}265.08 & 7554.3 & 56785.98 \\ 243.06 & 7900.1 & 61558.5 \\ 23.4 & 75.9 & \end{array}$ $\begin{array}{llr}753.06 & 7900.1 & 61558.5 \\ 234.06 & 7529.9 & 68146.08\end{array}$ $\begin{array}{llll}218.05 & 6680.77 & 59279.82\end{array}$ $\begin{array}{llll}190.04 & 7345.92 & 58978.7\end{array}$

[^3]:     182.04
    187.04 7684.45
    9801.62
    9804.68

    8 \begin{tabular}{ll}
    65 <br>
    86183.7 <br>
    .45 <br>
    9765227 <br>
    85510.0 <br>
    68 \& <br>
    \hline

    $\begin{array}{llll}182.04 & 9804.68 & 91948.88 \\ 175.03 & 8867.72 & 105638.8\end{array}$ $\begin{array}{llll}137.02 & 9584.05 & 89841.34\end{array}$ $\begin{array}{llll}152.03 & 8976.83 & 78332.39\end{array}$ $111.01 \quad 11502.8287532 .15$ $\begin{array}{lll}143.02 & 7447.56 & 72959.64 \\ 130250.61\end{array}$ $\begin{array}{lrr}137.02 & 1190.15 & 93466.71 \\ 134.02 & 8895.25 & 85065.52\end{array}$ 

    148.02 \& 8057.84 \& 95272.45 <br>
    \hline
    \end{tabular} $156.0388991 .17 \quad 72541.93$ 161.03 10763.02 81979.66 $143.02 \quad 9805.71 \quad 71590.31$ $\begin{array}{llll}149.02 & 9697.42 & 70159.13\end{array}$ $198.04 \quad 6581.33$ 59978.3 $\begin{array}{llll}151.02 & 9723.98 & 103054.9 \\ 201.04 & 8649.57 & 78816.21\end{array}$ $\begin{array}{llll} & 161.04 & 8649.57 & 90816.21 \\ 169722.92\end{array}$ $\begin{array}{llll}164.03 & 9000.29 & 69722.92 \\ 187.04 & 9612.64 & 83349.65\end{array}$ 185.048636 .3280452 .22 $\begin{array}{llll}117.01 & 10327.07 & 89450.47\end{array}$ $\begin{array}{lll}171.03 & 8077.18 & 94300.4\end{array}$ $\begin{array}{llll}135.02 & 9841.47 & 74726.79\end{array}$ $\begin{array}{lll}125.02 & 7138.66 & 60144.29 \\ 13202 & 764276 & 8236292\end{array}$ $\begin{array}{lll}132.02 & 7642.76 & 82362.9 \\ 150.02 & 12289.01 & 71526.2\end{array}$ $\begin{array}{llll}150.02 & 12897.1 & 1526.1 \\ 158.03 & 85717.42\end{array}$ $164.03 \quad 7372.34 \quad 66940.84$ $\begin{array}{llll}170.03 & 8834.07 & 67629.69\end{array}$ $\begin{array}{llll}127.02 & 8776.98 & 62543.58\end{array}$ $\begin{array}{lll}186.04 & 7661.06 & 67532.7\end{array}$ $\begin{array}{lll}141.02 & 8426.44 & 70958.3 \\ 151.02 & 8695.44 & 91397.49\end{array}$ $\begin{array}{lll}151.02 & 8695.44 & 91397.49 \\ 159.03 & 8782.08 & 75134.35\end{array}$ $\begin{array}{lll}174.03 & 8282.83 & 66176.99\end{array}$ $\begin{array}{llll}205.05 & 8432.55 & 898199.97\end{array}$ $\begin{array}{lll}\text { 192.04 } & 9066.59 & 75964.71\end{array}$ $194.04 \quad 11140.9768287 .11$ $\begin{array}{lll}168.03 & 8588.43 & 92024.6\end{array}$

     $\begin{array}{lll}199.04 & 8518.12 & 90335.71 \\ 219.05 & 8961.53 & 76622.67\end{array}$ $\begin{array}{llll}229.05 & 8961.53 & 76622.67 \\ 222.05 & 9272.68 & 62229.46\end{array}$ $\begin{array}{lll}222.05 & 9272.68 & 62229.46 \\ 181.04 & 8841.21 & 92691.5\end{array}$ \begin{tabular}{lll}
    181.04 \& 784.06 \& 7938.77 <br>
    \hline \& 64923.82

    $\begin{array}{llll}1777.03 & 7562.43 & 61729.56\end{array}$ $211.05 \quad 9160.44 \quad 84728.86$ $\begin{array}{llll}156.03 & 7745.48 & 76725.8\end{array}$ $\begin{array}{llll}184.04 & 6385.57 & 82855.82 \\ 19804 & 855.73 & 10604.2\end{array}$ $\begin{array}{lll}198.04 & 8550.73 & 106604.2 \\ 210.05 & 9582.01 & 75479.29\end{array}$ $\begin{array}{lll}210.05 & 9582.01 & 75479.2 \\ 165.03 & 7856.36 & 62073.04\end{array}$ $\begin{array}{llll}165.03 & 7856.36 & 62073.0 \\ 177.03 & 6863.46 & 57549.8\end{array}$ $\begin{array}{llll}196.04 & 11654.61 & 65708.67\end{array}$ 

    166.03 \& 8756.59 \& 71203.66 <br>
    \hline

    $137.02 \quad 7680.38 \quad 65189.1$ $\begin{array}{lll}181.04 & 8273.67 & 68226.9\end{array}$ $\begin{array}{lll}185.04 & 7550.23 & 65206.35 \\ 148.02 & 7486.18 & 86688.04\end{array}$ 

    148.02 \& 7886.18 \& 86688.04 <br>
    136.02 \& 8756.59 \& 108604.8 <br>
    \hline
    \end{tabular} $\begin{array}{llll}136.02 & 8756.59 & 108604.8 \\ 112.01 & 8240.07 & 72595.3\end{array}$ $\begin{array}{llll}28 & 149.02 & 8219.7 & 91405.5\end{array}$

[^4]:     $\begin{array}{ll}32 & 204 \\ 29 & 188 \\ 33 & 201\end{array}$

[^5]:    

    $\begin{array}{lll}6769.06 & 50286.95\end{array}$ | $6848.23 \quad 543$ |
    | :--- |
    | 6561.04 |
    | 592 | | 5286.95 |
    | :--- |
    |  |
    | 9330.81 |
    | 596.86 | $\begin{array}{lll}6561.04 & 59296.86 \\ 8196.28 & 51458\end{array}$ $\begin{array}{llll}186.04 & 6030.77 & 54875.95\end{array}$ $6497.13 \quad 55282.11$ $\begin{array}{llll}205.05 & 5838.28 & 55066.04\end{array}$ $\begin{array}{llll}155.03 & 8178.98 & 50697.05\end{array}$ $155.03 \quad 6121.98 \quad 53262.57$ $\begin{array}{lll}130.02 & 6336.89 & 4493382.77\end{array}$ $196.04 \quad 7407.92 \quad 52166.49$ $151.02 \quad 7220.9449162 .09$ $\begin{array}{llll}18.02 & 5936.54 & 55237.09\end{array}$ $\begin{array}{llll} & 6915.24 & 61582.44\end{array}$ $\begin{array}{llll}32.01 & 6957.88 & 57839.46\end{array}$ $\begin{array}{lll}122.02 & 6748.76 & 60713.12\end{array}$ $\begin{array}{llll} & 6503.22 & 55183.07\end{array}$ $\begin{array}{llll}99.01 & 6028.74 & 53937.7\end{array}$ $9.01 \quad 6914.22 \quad 83684.57$ $\begin{array}{llll}132.02 & 7426.21 & 79392.04\end{array}$ $\begin{array}{llll}13.01 & 6206.11 & 58580.07\end{array}$ 116.026629 .0283539 .01 $\begin{array}{llll}142.02 & 7122.4 & 67727.11 \\ 164.03 & 8440.7 & 58407.83\end{array}$ $\begin{array}{llll}155.03 & 7347.95 & 54911.9\end{array}$ $185.04 \quad 9746.45 \quad 56464.29$ $182.04 \quad 5663.08 \quad 55223.58$ $\begin{array}{llll}172.03 & 7048.26 & 59730.61\end{array}$ $\begin{array}{llll}171.03 & 6623.95 & 68255.9\end{array}$ $\begin{array}{lll}6490.03 & 61995.42\end{array}$ $11205 \quad 66385.11 \quad 66348.09$ | 18.04 | 8464.13 | 567999.53 |
    | :--- | :--- | :--- | :--- | $\begin{array}{llll}134.02 & 6904.07 & 65209.79\end{array}$ $\begin{array}{llll}164.03 & 7384.54 & 51773.0\end{array}$ $176.03 \quad 6914.22 \quad 57762.51$ | 188.04 | 5918.3 | 57900.56 |
    | :--- | :--- | :--- | $\begin{array}{lll}155.03 & 8547.67 & 60864.54\end{array}$ $\begin{array}{llll}1.103 & 7021.86 & 57211.8 \\ 721688 & 57848\end{array}$ | 163.1505 |
    | :--- | :--- |
    | 7460.77 | $\begin{array}{lll}.04 & 7860.42 & 75191.5\end{array}$ $213.05 \quad 8419.31 \quad 58542.6$ $192.04 \quad 7762.77 \quad 62107.3$ $\begin{array}{lll}161.03 & 7267.68 & 52812.1\end{array}$ $\begin{array}{lll}20.04 & 7091.93 & 48680.02\end{array}$ $\begin{array}{llll} & 6508.29 & 62879.63\end{array}$ | 63606.77 | 57535.1 |
    | :--- | :--- | :--- | :--- | $\begin{array}{lll} & 7498.38 & 55553.45 \\ 168.03 & 7289.01 & 63039.73\end{array}$ $\begin{array}{llll}181.04 & 65828.58 & 63049.72\end{array}$ $\begin{array}{llll}184.04 & 8783.1 & 55087.42\end{array}$ $\begin{array}{llll}195.04 & 8239.05 & 59384.2\end{array}$ $\begin{array}{llll}226.06 & 8106.7 & 63638.3\end{array}$ $\begin{array}{llll}207.05 & 6626.99 & 57173.42\end{array}$ $\begin{array}{lll}236.06 & 6639.17 & 63597.09\end{array}$ $\begin{array}{lll}265.08 & 7554.3 & 56785.98 \\ 243.06 & 7900.1 & 61558.5 \\ 23.4 & 75.9 & \end{array}$ $\begin{array}{llr}753.06 & 7900.1 & 61558.5 \\ 234.06 & 7529.9 & 68146.08\end{array}$ $\begin{array}{llll}218.05 & 6680.77 & 59279.82\end{array}$ $\begin{array}{llll}190.04 & 7345.92 & 58978.7\end{array}$

[^6]:     182.04
    187.04 7684.45
    9801.62
    9804.68

    8 \begin{tabular}{ll}
    65 <br>
    86183.7 <br>
    .45 <br>
    9765227 <br>
    85510.0 <br>
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    \hline

    $\begin{array}{llll}182.04 & 9804.68 & 91948.88 \\ 175.03 & 8867.72 & 105638.8\end{array}$ $\begin{array}{llll}137.02 & 9584.05 & 89841.34\end{array}$ $\begin{array}{llll}152.03 & 8976.83 & 78332.39\end{array}$ $111.01 \quad 11502.8287532 .15$ $\begin{array}{lll}143.02 & 7447.56 & 72959.64 \\ 130250.61\end{array}$ $\begin{array}{lrr}137.02 & 1190.15 & 93466.71 \\ 134.02 & 8895.25 & 85065.52\end{array}$ 

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    \end{tabular} $156.0388991 .17 \quad 72541.93$ 161.03 10763.02 81979.66 $143.02 \quad 9805.71 \quad 71590.31$ $\begin{array}{llll}149.02 & 9697.42 & 70159.13\end{array}$ $198.04 \quad 6581.33$ 59978.3 $\begin{array}{llll}151.02 & 9723.98 & 103054.9 \\ 201.04 & 8649.57 & 78816.21\end{array}$ $\begin{array}{llll} & 161.04 & 8649.57 & 90816.21 \\ 169722.92\end{array}$ $\begin{array}{llll}164.03 & 9000.29 & 69722.92 \\ 187.04 & 9612.64 & 83349.65\end{array}$ 185.048636 .3280452 .22 $\begin{array}{llll}117.01 & 10327.07 & 89450.47\end{array}$ $\begin{array}{lll}171.03 & 8077.18 & 94300.4\end{array}$ $\begin{array}{llll}135.02 & 9841.47 & 74726.79\end{array}$ $\begin{array}{lll}125.02 & 7138.66 & 60144.29 \\ 13202 & 764276 & 8236292\end{array}$ $\begin{array}{lll}132.02 & 7642.76 & 82362.9 \\ 150.02 & 12289.01 & 71526.2\end{array}$ $\begin{array}{llll}150.02 & 12897.1 & 1526.1 \\ 158.03 & 85717.42\end{array}$ $164.03 \quad 7372.34 \quad 66940.84$ $\begin{array}{llll}170.03 & 8834.07 & 67629.69\end{array}$ $\begin{array}{llll}127.02 & 8776.98 & 62543.58\end{array}$ $\begin{array}{lll}186.04 & 7661.06 & 67532.7\end{array}$ $\begin{array}{lll}141.02 & 8426.44 & 70958.3 \\ 151.02 & 8695.44 & 91397.49\end{array}$ $\begin{array}{lll}151.02 & 8695.44 & 91397.49 \\ 159.03 & 8782.08 & 75134.35\end{array}$ $\begin{array}{lll}174.03 & 8282.83 & 66176.99\end{array}$ $\begin{array}{llll}205.05 & 8432.55 & 898199.97\end{array}$ $\begin{array}{lll}\text { 192.04 } & 9066.59 & 75964.71\end{array}$ $194.04 \quad 11140.9768287 .11$ $\begin{array}{lll}168.03 & 8588.43 & 92024.6\end{array}$

     $\begin{array}{lll}199.04 & 8518.12 & 90335.71 \\ 219.05 & 8961.53 & 76622.67\end{array}$ $\begin{array}{llll}229.05 & 8961.53 & 76622.67 \\ 222.05 & 9272.68 & 62229.46\end{array}$ $\begin{array}{lll}222.05 & 9272.68 & 62229.46 \\ 181.04 & 8841.21 & 92691.5\end{array}$ \begin{tabular}{lll}
    181.04 \& 784.06 \& 7938.77 <br>
    \hline \& 64923.82

    $\begin{array}{llll}1777.03 & 7562.43 & 61729.56\end{array}$ $211.05 \quad 9160.44 \quad 84728.86$ $\begin{array}{llll}156.03 & 7745.48 & 76725.8\end{array}$ $\begin{array}{llll}184.04 & 6385.57 & 82855.82 \\ 19804 & 855.73 & 10604.2\end{array}$ $\begin{array}{lll}198.04 & 8550.73 & 106604.2 \\ 210.05 & 9582.01 & 75479.29\end{array}$ $\begin{array}{lll}210.05 & 9582.01 & 75479.2 \\ 165.03 & 7856.36 & 62073.04\end{array}$ $\begin{array}{llll}165.03 & 7856.36 & 62073.0 \\ 177.03 & 6863.46 & 57549.8\end{array}$ $\begin{array}{llll}196.04 & 11654.61 & 65708.67\end{array}$ 

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    \hline

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    \end{tabular} $\begin{array}{llll}136.02 & 8756.59 & 108604.8 \\ 112.01 & 8240.07 & 72595.3\end{array}$ $\begin{array}{llll}28 & 149.02 & 8219.7 & 91405.5\end{array}$

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    | 592 | | 5286.95 |
    | :--- |
    |  |
    | 9330.81 |
    | 596.86 | $\begin{array}{lll}6561.04 & 59296.86 \\ 8196.28 & 51458\end{array}$ $\begin{array}{llll}186.04 & 6030.77 & 54875.95\end{array}$ $6497.13 \quad 55282.11$ $\begin{array}{llll}205.05 & 5838.28 & 55066.04\end{array}$ $\begin{array}{llll}155.03 & 8178.98 & 50697.05\end{array}$ $155.03 \quad 6121.98 \quad 53262.57$ $\begin{array}{lll}130.02 & 6336.89 & 4493382.77\end{array}$ $196.04 \quad 7407.92 \quad 52166.49$ $151.02 \quad 7220.9449162 .09$ $\begin{array}{llll}18.02 & 5936.54 & 55237.09\end{array}$ $\begin{array}{llll} & 6915.24 & 61582.44\end{array}$ $\begin{array}{llll}32.01 & 6957.88 & 57839.46\end{array}$ $\begin{array}{lll}122.02 & 6748.76 & 60713.12\end{array}$ $\begin{array}{llll} & 6503.22 & 55183.07\end{array}$ $\begin{array}{llll}99.01 & 6028.74 & 53937.7\end{array}$ $9.01 \quad 6914.22 \quad 83684.57$ $\begin{array}{llll}132.02 & 7426.21 & 79392.04\end{array}$ $\begin{array}{llll}13.01 & 6206.11 & 58580.07\end{array}$ 116.026629 .0283539 .01 $\begin{array}{llll}142.02 & 7122.4 & 67727.11 \\ 164.03 & 8440.7 & 58407.83\end{array}$ $\begin{array}{llll}155.03 & 7347.95 & 54911.9\end{array}$ $185.04 \quad 9746.45 \quad 56464.29$ $182.04 \quad 5663.08 \quad 55223.58$ $\begin{array}{llll}172.03 & 7048.26 & 59730.61\end{array}$ $\begin{array}{llll}171.03 & 6623.95 & 68255.9\end{array}$ $\begin{array}{lll}6490.03 & 61995.42\end{array}$ $11205 \quad 66385.11 \quad 66348.09$ | 18.04 | 8464.13 | 567999.53 |
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    68 \& <br>
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    $\begin{array}{llll}182.04 & 9804.68 & 91948.88 \\ 175.03 & 8867.72 & 105638.8\end{array}$ $\begin{array}{llll}137.02 & 9584.05 & 89841.34\end{array}$ $\begin{array}{llll}152.03 & 8976.83 & 78332.39\end{array}$ $111.01 \quad 11502.8287532 .15$ $\begin{array}{lll}143.02 & 7447.56 & 72959.64 \\ 130250.61\end{array}$ $\begin{array}{lrr}137.02 & 1190.15 & 93466.71 \\ 134.02 & 8895.25 & 85065.52\end{array}$ 

    148.02 \& 8057.84 \& 95272.45 <br>
    \hline
    \end{tabular} $156.0388991 .17 \quad 72541.93$ 161.03 10763.02 81979.66 $143.02 \quad 9805.71 \quad 71590.31$ $\begin{array}{llll}149.02 & 9697.42 & 70159.13\end{array}$ $198.04 \quad 6581.33$ 59978.3 $\begin{array}{llll}151.02 & 9723.98 & 103054.9 \\ 201.04 & 8649.57 & 78816.21\end{array}$ $\begin{array}{llll} & 161.04 & 8649.57 & 90816.21 \\ 169722.92\end{array}$ $\begin{array}{llll}164.03 & 9000.29 & 69722.92 \\ 187.04 & 9612.64 & 83349.65\end{array}$ 185.048636 .3280452 .22 $\begin{array}{llll}117.01 & 10327.07 & 89450.47\end{array}$ $\begin{array}{lll}171.03 & 8077.18 & 94300.4\end{array}$ $\begin{array}{llll}135.02 & 9841.47 & 74726.79\end{array}$ $\begin{array}{lll}125.02 & 7138.66 & 60144.29 \\ 13202 & 764276 & 8236292\end{array}$ $\begin{array}{lll}132.02 & 7642.76 & 82362.9 \\ 150.02 & 12289.01 & 71526.2\end{array}$ $\begin{array}{llll}150.02 & 12897.1 & 1526.1 \\ 158.03 & 85717.42\end{array}$ $164.03 \quad 7372.34 \quad 66940.84$ $\begin{array}{llll}170.03 & 8834.07 & 67629.69\end{array}$ $\begin{array}{llll}127.02 & 8776.98 & 62543.58\end{array}$ $\begin{array}{lll}186.04 & 7661.06 & 67532.7\end{array}$ $\begin{array}{lll}141.02 & 8426.44 & 70958.3 \\ 151.02 & 8695.44 & 91397.49\end{array}$ $\begin{array}{lll}151.02 & 8695.44 & 91397.49 \\ 159.03 & 8782.08 & 75134.35\end{array}$ $\begin{array}{lll}174.03 & 8282.83 & 66176.99\end{array}$ $\begin{array}{llll}205.05 & 8432.55 & 898199.97\end{array}$ $\begin{array}{lll}\text { 192.04 } & 9066.59 & 75964.71\end{array}$ $194.04 \quad 11140.9768287 .11$ $\begin{array}{lll}168.03 & 8588.43 & 92024.6\end{array}$

     $\begin{array}{lll}199.04 & 8518.12 & 90335.71 \\ 219.05 & 8961.53 & 76622.67\end{array}$ $\begin{array}{llll}229.05 & 8961.53 & 76622.67 \\ 222.05 & 9272.68 & 62229.46\end{array}$ $\begin{array}{lll}222.05 & 9272.68 & 62229.46 \\ 181.04 & 8841.21 & 92691.5\end{array}$ \begin{tabular}{lll}
    181.04 \& 784.06 \& 7938.77 <br>
    \hline \& 64923.82

    $\begin{array}{llll}1777.03 & 7562.43 & 61729.56\end{array}$ $211.05 \quad 9160.44 \quad 84728.86$ $\begin{array}{llll}156.03 & 7745.48 & 76725.8\end{array}$ $\begin{array}{llll}184.04 & 6385.57 & 82855.82 \\ 19804 & 855.73 & 10604.2\end{array}$ $\begin{array}{lll}198.04 & 8550.73 & 106604.2 \\ 210.05 & 9582.01 & 75479.29\end{array}$ $\begin{array}{lll}210.05 & 9582.01 & 75479.2 \\ 165.03 & 7856.36 & 62073.04\end{array}$ $\begin{array}{llll}165.03 & 7856.36 & 62073.0 \\ 177.03 & 6863.46 & 57549.8\end{array}$ $\begin{array}{llll}196.04 & 11654.61 & 65708.67\end{array}$ 

    166.03 \& 8756.59 \& 71203.66 <br>
    \hline

    $137.02 \quad 7680.38 \quad 65189.1$ $\begin{array}{lll}181.04 & 8273.67 & 68226.9\end{array}$ $\begin{array}{lll}185.04 & 7550.23 & 65206.35 \\ 148.02 & 7486.18 & 86688.04\end{array}$ 

    148.02 \& 7886.18 \& 86688.04 <br>
    136.02 \& 8756.59 \& 108604.8 <br>
    \hline
    \end{tabular} $\begin{array}{llll}136.02 & 8756.59 & 108604.8 \\ 112.01 & 8240.07 & 72595.3\end{array}$ $\begin{array}{llll}28 & 149.02 & 8219.7 & 91405.5\end{array}$

[^10]:     $\begin{array}{ll}32 & 204 \\ 29 & 188 \\ 33 & 201\end{array}$

[^11]:    

    $\begin{array}{lll}6769.06 & 50286.95\end{array}$ | $6848.23 \quad 543$ |
    | :--- |
    | 6561.04 |
    | 592 | | 5286.95 |
    | :--- |
    |  |
    | 9330.81 |
    | 596.86 | $\begin{array}{lll}6561.04 & 59296.86 \\ 8196.28 & 51458\end{array}$ $\begin{array}{llll}186.04 & 6030.77 & 54875.95\end{array}$ $6497.13 \quad 55282.11$ $\begin{array}{llll}205.05 & 5838.28 & 55066.04\end{array}$ $\begin{array}{llll}155.03 & 8178.98 & 50697.05\end{array}$ $155.03 \quad 6121.98 \quad 53262.57$ $\begin{array}{lll}130.02 & 6336.89 & 4493382.77\end{array}$ $196.04 \quad 7407.92 \quad 52166.49$ $151.02 \quad 7220.9449162 .09$ $\begin{array}{llll}18.02 & 5936.54 & 55237.09\end{array}$ $\begin{array}{llll} & 6915.24 & 61582.44\end{array}$ $\begin{array}{llll}32.01 & 6957.88 & 57839.46\end{array}$ $\begin{array}{lll}122.02 & 6748.76 & 60713.12\end{array}$ $\begin{array}{llll} & 6503.22 & 55183.07\end{array}$ $\begin{array}{llll}99.01 & 6028.74 & 53937.7\end{array}$ $9.01 \quad 6914.22 \quad 83684.57$ $\begin{array}{llll}132.02 & 7426.21 & 79392.04\end{array}$ $\begin{array}{llll}13.01 & 6206.11 & 58580.07\end{array}$ 116.026629 .0283539 .01 $\begin{array}{llll}142.02 & 7122.4 & 67727.11 \\ 164.03 & 8440.7 & 58407.83\end{array}$ $\begin{array}{llll}155.03 & 7347.95 & 54911.9\end{array}$ $185.04 \quad 9746.45 \quad 56464.29$ $182.04 \quad 5663.08 \quad 55223.58$ $\begin{array}{llll}172.03 & 7048.26 & 59730.61\end{array}$ $\begin{array}{llll}171.03 & 6623.95 & 68255.9\end{array}$ $\begin{array}{lll}6490.03 & 61995.42\end{array}$ $11205 \quad 66385.11 \quad 66348.09$ | 18.04 | 8464.13 | 567999.53 |
    | :--- | :--- | :--- | :--- | $\begin{array}{llll}134.02 & 6904.07 & 65209.79\end{array}$ $\begin{array}{llll}164.03 & 7384.54 & 51773.0\end{array}$ $176.03 \quad 6914.22 \quad 57762.51$ | 188.04 | 5918.3 | 57900.56 |
    | :--- | :--- | :--- | $\begin{array}{lll}155.03 & 8547.67 & 60864.54\end{array}$ $\begin{array}{llll}1.103 & 7021.86 & 57211.8 \\ 721688 & 57848\end{array}$ | 163.1505 |
    | :--- | :--- |
    | 7460.77 | $\begin{array}{lll}.04 & 7860.42 & 75191.5\end{array}$ $213.05 \quad 8419.31 \quad 58542.6$ $192.04 \quad 7762.77 \quad 62107.3$ $\begin{array}{lll}161.03 & 7267.68 & 52812.1\end{array}$ $\begin{array}{lll}20.04 & 7091.93 & 48680.02\end{array}$ $\begin{array}{llll} & 6508.29 & 62879.63\end{array}$ | 63606.77 | 57535.1 |
    | :--- | :--- | :--- | :--- | $\begin{array}{lll} & 7498.38 & 55553.45 \\ 168.03 & 7289.01 & 63039.73\end{array}$ $\begin{array}{llll}181.04 & 65828.58 & 63049.72\end{array}$ $\begin{array}{llll}184.04 & 8783.1 & 55087.42\end{array}$ $\begin{array}{llll}195.04 & 8239.05 & 59384.2\end{array}$ $\begin{array}{llll}226.06 & 8106.7 & 63638.3\end{array}$ $\begin{array}{llll}207.05 & 6626.99 & 57173.42\end{array}$ $\begin{array}{lll}236.06 & 6639.17 & 63597.09\end{array}$ $\begin{array}{lll}265.08 & 7554.3 & 56785.98 \\ 243.06 & 7900.1 & 61558.5 \\ 23.4 & 75.9 & \end{array}$ $\begin{array}{llr}753.06 & 7900.1 & 61558.5 \\ 234.06 & 7529.9 & 68146.08\end{array}$ $\begin{array}{llll}218.05 & 6680.77 & 59279.82\end{array}$ $\begin{array}{llll}190.04 & 7345.92 & 58978.7\end{array}$

[^12]:     182.04
    187.04 7684.45
    9801.62
    9804.68

    8 \begin{tabular}{ll}
    65 <br>
    86183.7 <br>
    .45 <br>
    9765227 <br>
    85510.0 <br>
    68 \& <br>
    \hline

    $\begin{array}{llll}182.04 & 9804.68 & 91948.88 \\ 175.03 & 8867.72 & 105638.8\end{array}$ $\begin{array}{llll}137.02 & 9584.05 & 89841.34\end{array}$ $\begin{array}{llll}152.03 & 8976.83 & 78332.39\end{array}$ $111.01 \quad 11502.8287532 .15$ $\begin{array}{lll}143.02 & 7447.56 & 72959.64 \\ 130250.61\end{array}$ $\begin{array}{lrr}137.02 & 1190.15 & 93466.71 \\ 134.02 & 8895.25 & 85065.52\end{array}$ 

    148.02 \& 8057.84 \& 95272.45 <br>
    \hline
    \end{tabular} $156.0388991 .17 \quad 72541.93$ 161.03 10763.02 81979.66 $143.02 \quad 9805.71 \quad 71590.31$ $\begin{array}{llll}149.02 & 9697.42 & 70159.13\end{array}$ $198.04 \quad 6581.33$ 59978.3 $\begin{array}{llll}151.02 & 9723.98 & 103054.9 \\ 201.04 & 8649.57 & 78816.21\end{array}$ $\begin{array}{llll} & 161.04 & 8649.57 & 90816.21 \\ 169722.92\end{array}$ $\begin{array}{llll}164.03 & 9000.29 & 69722.92 \\ 187.04 & 9612.64 & 83349.65\end{array}$ 185.048636 .3280452 .22 $\begin{array}{llll}117.01 & 10327.07 & 89450.47\end{array}$ $\begin{array}{lll}171.03 & 8077.18 & 94300.4\end{array}$ $\begin{array}{llll}135.02 & 9841.47 & 74726.79\end{array}$ $\begin{array}{lll}125.02 & 7138.66 & 60144.29 \\ 13202 & 764276 & 8236292\end{array}$ $\begin{array}{lll}132.02 & 7642.76 & 82362.9 \\ 150.02 & 12289.01 & 71526.2\end{array}$ $\begin{array}{llll}150.02 & 12897.1 & 1526.1 \\ 158.03 & 85717.42\end{array}$ $164.03 \quad 7372.34 \quad 66940.84$ $\begin{array}{llll}170.03 & 8834.07 & 67629.69\end{array}$ $\begin{array}{llll}127.02 & 8776.98 & 62543.58\end{array}$ $\begin{array}{lll}186.04 & 7661.06 & 67532.7\end{array}$ $\begin{array}{lll}141.02 & 8426.44 & 70958.3 \\ 151.02 & 8695.44 & 91397.49\end{array}$ $\begin{array}{lll}151.02 & 8695.44 & 91397.49 \\ 159.03 & 8782.08 & 75134.35\end{array}$ $\begin{array}{lll}174.03 & 8282.83 & 66176.99\end{array}$ $\begin{array}{llll}205.05 & 8432.55 & 898199.97\end{array}$ $\begin{array}{lll}\text { 192.04 } & 9066.59 & 75964.71\end{array}$ $194.04 \quad 11140.9768287 .11$ $\begin{array}{lll}168.03 & 8588.43 & 92024.6\end{array}$

     $\begin{array}{lll}199.04 & 8518.12 & 90335.71 \\ 219.05 & 8961.53 & 76622.67\end{array}$ $\begin{array}{llll}229.05 & 8961.53 & 76622.67 \\ 222.05 & 9272.68 & 62229.46\end{array}$ $\begin{array}{lll}222.05 & 9272.68 & 62229.46 \\ 181.04 & 8841.21 & 92691.5\end{array}$ \begin{tabular}{lll}
    181.04 \& 784.06 \& 7938.77 <br>
    \hline \& 64923.82

    $\begin{array}{llll}1777.03 & 7562.43 & 61729.56\end{array}$ $211.05 \quad 9160.44 \quad 84728.86$ $\begin{array}{llll}156.03 & 7745.48 & 76725.8\end{array}$ $\begin{array}{llll}184.04 & 6385.57 & 82855.82 \\ 19804 & 855.73 & 10604.2\end{array}$ $\begin{array}{lll}198.04 & 8550.73 & 106604.2 \\ 210.05 & 9582.01 & 75479.29\end{array}$ $\begin{array}{lll}210.05 & 9582.01 & 75479.2 \\ 165.03 & 7856.36 & 62073.04\end{array}$ $\begin{array}{llll}165.03 & 7856.36 & 62073.0 \\ 177.03 & 6863.46 & 57549.8\end{array}$ $\begin{array}{llll}196.04 & 11654.61 & 65708.67\end{array}$ 

    166.03 \& 8756.59 \& 71203.66 <br>
    \hline

    $137.02 \quad 7680.38 \quad 65189.1$ $\begin{array}{lll}181.04 & 8273.67 & 68226.9\end{array}$ $\begin{array}{lll}185.04 & 7550.23 & 65206.35 \\ 148.02 & 7486.18 & 86688.04\end{array}$ 

    148.02 \& 7886.18 \& 86688.04 <br>
    136.02 \& 8756.59 \& 108604.8 <br>
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    \end{tabular} $\begin{array}{llll}136.02 & 8756.59 & 108604.8 \\ 112.01 & 8240.07 & 72595.3\end{array}$ $\begin{array}{llll}28 & 149.02 & 8219.7 & 91405.5\end{array}$

[^13]:     $\begin{array}{ll}32 & 204 \\ 29 & 188 \\ 33 & 201\end{array}$

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    |  |
    | 9330.81 |
    | 596.86 | $\begin{array}{lll}6561.04 & 59296.86 \\ 8196.28 & 51458\end{array}$ $\begin{array}{llll}186.04 & 6030.77 & 54875.95\end{array}$ $6497.13 \quad 55282.11$ $\begin{array}{llll}205.05 & 5838.28 & 55066.04\end{array}$ $\begin{array}{llll}155.03 & 8178.98 & 50697.05\end{array}$ $155.03 \quad 6121.98 \quad 53262.57$ $\begin{array}{lll}130.02 & 6336.89 & 4493382.77\end{array}$ $196.04 \quad 7407.92 \quad 52166.49$ $151.02 \quad 7220.9449162 .09$ $\begin{array}{llll}18.02 & 5936.54 & 55237.09\end{array}$ $\begin{array}{llll} & 6915.24 & 61582.44\end{array}$ $\begin{array}{llll}32.01 & 6957.88 & 57839.46\end{array}$ $\begin{array}{lll}122.02 & 6748.76 & 60713.12\end{array}$ $\begin{array}{llll} & 6503.22 & 55183.07\end{array}$ $\begin{array}{llll}99.01 & 6028.74 & 53937.7\end{array}$ $9.01 \quad 6914.22 \quad 83684.57$ $\begin{array}{llll}132.02 & 7426.21 & 79392.04\end{array}$ $\begin{array}{llll}13.01 & 6206.11 & 58580.07\end{array}$ 116.026629 .0283539 .01 $\begin{array}{llll}142.02 & 7122.4 & 67727.11 \\ 164.03 & 8440.7 & 58407.83\end{array}$ $\begin{array}{llll}155.03 & 7347.95 & 54911.9\end{array}$ $185.04 \quad 9746.45 \quad 56464.29$ $182.04 \quad 5663.08 \quad 55223.58$ $\begin{array}{llll}172.03 & 7048.26 & 59730.61\end{array}$ $\begin{array}{llll}171.03 & 6623.95 & 68255.9\end{array}$ $\begin{array}{lll}6490.03 & 61995.42\end{array}$ $11205 \quad 66385.11 \quad 66348.09$ | 18.04 | 8464.13 | 567999.53 |
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    | :--- | :--- | :--- | :--- | $\begin{array}{lll} & 7498.38 & 55553.45 \\ 168.03 & 7289.01 & 63039.73\end{array}$ $\begin{array}{llll}181.04 & 65828.58 & 63049.72\end{array}$ $\begin{array}{llll}184.04 & 8783.1 & 55087.42\end{array}$ $\begin{array}{llll}195.04 & 8239.05 & 59384.2\end{array}$ $\begin{array}{llll}226.06 & 8106.7 & 63638.3\end{array}$ $\begin{array}{llll}207.05 & 6626.99 & 57173.42\end{array}$ $\begin{array}{lll}236.06 & 6639.17 & 63597.09\end{array}$ $\begin{array}{lll}265.08 & 7554.3 & 56785.98 \\ 243.06 & 7900.1 & 61558.5 \\ 23.4 & 75.9 & \end{array}$ $\begin{array}{llr}753.06 & 7900.1 & 61558.5 \\ 234.06 & 7529.9 & 68146.08\end{array}$ $\begin{array}{llll}218.05 & 6680.77 & 59279.82\end{array}$ $\begin{array}{llll}190.04 & 7345.92 & 58978.7\end{array}$

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    \end{tabular} $156.0388991 .17 \quad 72541.93$ 161.03 10763.02 81979.66 $143.02 \quad 9805.71 \quad 71590.31$ $\begin{array}{llll}149.02 & 9697.42 & 70159.13\end{array}$ $198.04 \quad 6581.33$ 59978.3 $\begin{array}{llll}151.02 & 9723.98 & 103054.9 \\ 201.04 & 8649.57 & 78816.21\end{array}$ $\begin{array}{llll} & 161.04 & 8649.57 & 90816.21 \\ 169722.92\end{array}$ $\begin{array}{llll}164.03 & 9000.29 & 69722.92 \\ 187.04 & 9612.64 & 83349.65\end{array}$ 185.048636 .3280452 .22 $\begin{array}{llll}117.01 & 10327.07 & 89450.47\end{array}$ $\begin{array}{lll}171.03 & 8077.18 & 94300.4\end{array}$ $\begin{array}{llll}135.02 & 9841.47 & 74726.79\end{array}$ $\begin{array}{lll}125.02 & 7138.66 & 60144.29 \\ 13202 & 764276 & 8236292\end{array}$ $\begin{array}{lll}132.02 & 7642.76 & 82362.9 \\ 150.02 & 12289.01 & 71526.2\end{array}$ $\begin{array}{llll}150.02 & 12897.1 & 1526.1 \\ 158.03 & 85717.42\end{array}$ $164.03 \quad 7372.34 \quad 66940.84$ $\begin{array}{llll}170.03 & 8834.07 & 67629.69\end{array}$ $\begin{array}{llll}127.02 & 8776.98 & 62543.58\end{array}$ $\begin{array}{lll}186.04 & 7661.06 & 67532.7\end{array}$ $\begin{array}{lll}141.02 & 8426.44 & 70958.3 \\ 151.02 & 8695.44 & 91397.49\end{array}$ $\begin{array}{lll}151.02 & 8695.44 & 91397.49 \\ 159.03 & 8782.08 & 75134.35\end{array}$ $\begin{array}{lll}174.03 & 8282.83 & 66176.99\end{array}$ $\begin{array}{llll}205.05 & 8432.55 & 898199.97\end{array}$ $\begin{array}{lll}\text { 192.04 } & 9066.59 & 75964.71\end{array}$ $194.04 \quad 11140.9768287 .11$ $\begin{array}{lll}168.03 & 8588.43 & 92024.6\end{array}$

     $\begin{array}{lll}199.04 & 8518.12 & 90335.71 \\ 219.05 & 8961.53 & 76622.67\end{array}$ $\begin{array}{llll}229.05 & 8961.53 & 76622.67 \\ 222.05 & 9272.68 & 62229.46\end{array}$ $\begin{array}{lll}222.05 & 9272.68 & 62229.46 \\ 181.04 & 8841.21 & 92691.5\end{array}$ \begin{tabular}{lll}
    181.04 \& 784.06 \& 7938.77 <br>
    \hline \& 64923.82

    $\begin{array}{llll}1777.03 & 7562.43 & 61729.56\end{array}$ $211.05 \quad 9160.44 \quad 84728.86$ $\begin{array}{llll}156.03 & 7745.48 & 76725.8\end{array}$ $\begin{array}{llll}184.04 & 6385.57 & 82855.82 \\ 19804 & 855.73 & 10604.2\end{array}$ $\begin{array}{lll}198.04 & 8550.73 & 106604.2 \\ 210.05 & 9582.01 & 75479.29\end{array}$ $\begin{array}{lll}210.05 & 9582.01 & 75479.2 \\ 165.03 & 7856.36 & 62073.04\end{array}$ $\begin{array}{llll}165.03 & 7856.36 & 62073.0 \\ 177.03 & 6863.46 & 57549.8\end{array}$ $\begin{array}{llll}196.04 & 11654.61 & 65708.67\end{array}$ 

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    \hline

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