



8 April 2020

K190051-2

Stratford Properties Limited
PO Box 62-611
Greenlane
Auckland 1546

Dear Sirs,

**RESPONSE TO COUNCIL'S CLAUSE 23 RMA FURTHER INFORMATION
PROPOSED NEW SUBDIVISION - 272&278 CLEVEDON-KAWAKAWA ROAD, CLEVEDON**

1. INTRODUCTION

Further to the Auckland Council (AC) receiving a private plan change request under Clause 21 to Schedule 1 of the Resource Management Act 1991 (RMA), AC issued letter dated 20 January 2020, with a request for further information requested under Clause 23 to Schedule 1 of the RMA. This letter will address the following items;

Item P4: Wastewater Disposal

Item G1: *Lateral Spread*

Item G2: *Advise Note*

A copy of the AC letter is appended.

Reference shall be made to our Geotechnical Investigation Report (GIR) dated 7 October 2019 (Reference K190051-1a) and our On-site Wastewater Treatment and Disposal Report dated 7 October 2019 (Reference.K190051-2a).

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Supporting the Construction Industry since 1990

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2. GEOTECHNICAL COMMENTS

2.1 Item P4

As part of our K190051-2A report, KGA were provided with scheme plans by Lands & Survey (Ref 117536-102). These plans indicate the 1% AEP at RL4.4m.

The potential wastewater dispersal fields are located, at their lowest, RL4.6m and are therefore above of the 1% AEP floodplain.

It must also be acknowledged that in accordance with Auckland Council Document TP58, advanced secondary treated wastewater (as recommended in the KGA report) is required to be outside of the 5% AEP (1:20 year) flood (and not the 1% AEP). As a consequence, the 5% AEP flood will be much lower at the site and we therefore consider there to be conservatism in the on-site wastewater dispersal design.

2.2 Item G1

From Section 11 and Appendix D of the K190051-1A report, the lateral displacement was assessed to be between 350mm and 500mm for CPT-01 and CPT-02, respectively. However, our report overestimated the liquefaction potential of the site. This is on the basis that the calculated values indicated in our report are considered to be highly conservative as, according to the software manual of the program used (CLiq), the program sums up all shear strains regardless of depth. Also, the liquefaction potential assessment is conservative as well.

From our liquefaction analysis the following was noted;

- In CPT-01, the top 3m is considered to be non-liquefiable.
- In CPT-02, the top 4.5m is considered to be non-liquefiable.
- Over both CPT-01 and CPT-02, only thin layers soils below the depths indicated above were noted to be liquefiable. However, these layers are not continuous across the site and unlikely to form slip layers causing lateral spreading.

As such, lateral spreading is unlikely to develop as there is no continuous liquefiable layer underneath the non-liquefiable crush. Therefore, under SLS seismic demands, lateral spreading

potential is considered to be inexistent while under ULS seismic demands, lateral spreading is considered to be low.

2.3 Item G2

We have analysed the CPT data using the GeoLogismiki software CPeT (version 3) to establish correlated geotechnical parameters from the CPT data. The correlated shear wave velocity (V_s) values were noted to range from 100m/s to more than 260m/s in CPT-01 and from 130m/s to more than 300m/s.

From NZS1170.5:2004, Section 3.1.3.4, the site is classified as Class C (shallow soil site) where,

- The site is not Class A, B or E site, and
- The low amplitude natural period is less than or equal to 0.6s, or
- Depths of soil do not exceed those listed in Table 3.2.

To assess the low amplitude natural period two methods were used;

Method 1: As per method highlighted in Section 3.1.3.7 of NZS1170.5:2004

Method 2: Using multiple layer profile method provided by Tam Larkin and Chris Van Houtte Bulletin of the New Zealand Society for Earthquake Engineering, Vol. 47, No.1, March 2014 and titled "Determination of Site Period for NZS1170.5:2004".

Table 1 below presents the low amplitude natural period values.

Table 1 Low Amplitude Natural Period

Hole ID	Method 1	Method 2
CPT-01	0.43sec	0.46sec
CPT-02	0.49sec	0.38sec

From Table 1, the low amplitude natural period is consistently less than 0.6s. Additionally, from the estimated parameters, no undrained shear strength was noted to be less than 12.5kPa.

Therefore, the seismic subsoil class is considered to be Class C.

We trust the information provided in this document has addressed the queries from Council. Should you have any queries, please do not hesitate to contact us.

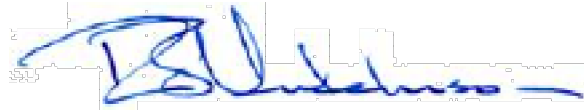
Yours faithfully,

p.p. KGA Geotechnical Group Limited

A blue ink signature of Ehab Takawi, consisting of stylized, overlapping loops and lines.

Ehab Takawi

BEng Tech (Civil) - PG Dip, MEngNZ
Geotechnical Engineer

A blue ink signature of R. J. Hutchison, featuring a series of connected, somewhat horizontal strokes.

R. J. Hutchison

BE, MSc, DIC, MICE, CEng(UK), FEngNZ, CPEng
Principal Geotechnical Engineer

- Appendix 1: AC Letter
- Appendix 2: Estimated Parameters
- Appendix 3: Liquefaction Analysis

APPENDIX 1

20 January 2020

Mr Tim Grace

Lands and Survey
PO Box 33 917
Takapuna, Auckland 0740
AUCKLAND

Issued via email: tim@landsandsurvey.co.nz

Dear Tim,

RE: Clause 23 RMA Further Information – Clevedon Kawakawa Road Private Plan Change Request

Further to your private plan change request under Clause 21 to Schedule 1 of the Resource Management Act 1991 in relation to Clevedon Kawakawa Road from Stratford Properties Limited, Council has now completed an assessment of the information supplied.

Pursuant to Clause 23 of the Resource Management Act 1991 (please see Appendix 1), Council requires further information to continue processing the private plan change request.

The table in Appendix 2 attached to this letter sets out the nature of the further information required and reasons for its request.

Should you wish to discuss this matter or seek a meeting to clarify points in this letter please do not hesitate to contact me.

Kind regards,



Sanjay Bangs
Planner
Plans & Places Department
021 619 327

Appendix 1

Basis for the Information Sought

First Schedule to the Resource Management Act 1991

Clause 23 Further information may be required

(1) Where a local authority receives a request from any person under [clause 21](#), it may within 20 working days, by written notice, require that person to provide further information necessary to enable the local authority to better understand—

- (a) the nature of the request in respect of the effect it will have on the environment, including taking into account the provisions of [Schedule 4](#); or
- (b) the ways in which any adverse effects may be mitigated; or
- (c) the benefits and costs, the efficiency and effectiveness, and any possible alternatives to the request; or
- (d) the nature of any consultation undertaken or required to be undertaken—

if such information is appropriate to the scale and significance of the actual or potential environmental effects anticipated from the implementation of the change or plan.

(2) A local authority, within 15 working days of receiving any information under this clause, may require additional information relating to the request.

(3) A local authority may, within 20 working days of receiving a request under [clause 21](#), or, if further or additional information is sought under subclause (1) or subclause (2), within 15 working days of receiving that information, commission a report in relation to the request and shall notify the person who made the request that such a report has been commissioned.

(4) A local authority must specify in writing its reasons for requiring further or additional information or for commissioning a report under this clause.

(5) The person who made the request—

- (a) may decline, in writing, to provide the further or additional information or to agree to the commissioning of a report; and
- (b) may require the local authority to proceed with considering the request.

(6) To avoid doubt, if the person who made the request declines under subclause (5) to provide the further or additional information, the local authority may at any time reject the request or decide not to approve the plan change requested, if it considers that it has insufficient information to enable it to consider or approve the request.

Appendix 2:

Further information requested under Clause 23 First Schedule of the Resource Management Act 1991

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Please note that no further information has been requested in regard to the following matters:

- Landscape and visual effects (Rob Pryor, LA4 Landscape Architects)
- Ecology (Carl Tutt, Environmental Services)
- Water supply and wastewater matters (John Newsome, Regulatory Engineering South)

#	Category of information	Specific Request	Reasons for request
Planning, statutory and general matters – Sanjay Bangs, Plans & Places			
P1	Shape files	<p>Please provide shape files defining the extent of the private plan change (PPC) area, in terms of both:</p> <ul style="list-style-type: none"> - The proposed area to be rezoned from Rural – Rural Coastal to Rural – Countryside Living; and - The proposed amended extent of the Clevedon Precinct – Sub-precinct C 	<p>Shape files are required to show the extent of the private plan change on the AUP(OP) GIS Viewer once the plan change is notified for submissions.</p>
P2	Defensible boundary	<p>Please explain how the proposed PPC provides a defensible boundary against future expansion of the Rural – Countryside Living Zone and Clevedon precinct – Sub-precinct C.</p>	<p>Paragraph 102 of the Statutory Assessment Report (SAR) notes that “<i>The character and amenity of the rural area beyond this land to the east towards the coast does change to a more productive rural type environment as the extent of dwellings dissipate, and the properties become larger. The plan change site therefore provides a natural boundary or barrier for rural residential or lifestyle land uses at the eastern edge of the countryside living environment that surrounds the Clevedon village</i>”</p> <p>However, it appears that properties east of the plan change areas are comparable in size to sites within the PPC area, many of which are smaller and more fragmented than 278 Clevedon Kawakawa Road. Sites to the east also appear to be similar in terms of land uses as they accommodate rural production with dwellings focussed towards Clevedon Kawakawa Road.</p>

#	Category of information	Specific Request	Reasons for request
			Further explanation is required as to how the plan change area provides a defensible boundary against future proposals for expanding the extent of countryside living at Clevedon.
P3	No-complaints covenant	Please explain whether a bespoke rule in the Clevedon Precinct: Sub-precinct C has been considered to ensure a no-complaints covenant is registered on future titles.	Paragraph 124 of the SAR notes that the plan change land is proximate to productive rural activities and could therefore lead to complaints from future residents. A no-complaints covenant registered at the time of subdivision is suggested as a potential mitigation measure. It is unclear whether bespoke standards in the Clevedon Precinct: Sub-precinct C have been considered to achieve greater certainty that such a covenant will be registered on future titles.
P4	Wastewater disposal	Please explain how future development of 12 dwellings can accommodate wastewater disposal fields outside of the 1% AEP flood plain.	<p>Policy 1408.3(9) of the Clevedon Precinct seeks that building platforms and areas for wastewater disposal are located within natural contours/landforms outside the floodplain and inundation areas, taking into account the effects of future climate change.</p> <p>It is not clear from the On-site Wastewater Treatment and Disposal Report (Technical Report No 3) whether the disposal fields shown on the indicative development plans would be located outside the flood plain.</p> <p>It is understood that as a detailed design component this will be demonstrated at the time that subdivision consents are sought. However, confidence is needed that the plan change does not compel/require a development scenario that is inconsistent with the AUP(OP) provisions.</p>

Traffic matters – Wes Edwards, Arrive Ltd			
T1	Future environment	Please provide an assessment of transport impacts for the future environment	<p>The Transport Assessment (TA) provides an assessment of the plan change on the existing environment, but does not provide a description of the expected future environment, and does not assess the effect of the proposal on that environment.</p> <p>Without such an assessment the impact of the proposal on the future environment cannot be properly understood.</p> <p>Information should be provided on expected traffic growth in the area, preferably from regional/ district transport models, and assessment against that baseline provided for an appropriate future year (eg 2036).</p>
T2	Access	Please demonstrate that safe access to the land can be provided.	<p>The TA assesses the access location and form shown on the proposed subdivision drawings, and assesses sight distance on the basis of the LTSA RTS 6 "Guidelines for Visibility at Driveways" document for a location in the proposed driveway.</p> <p>There are a number of issues with the sight distance assessment:</p> <ol style="list-style-type: none"> The RTS 6 guideline was published in 1993 and was based on the 1988 NAASRA1 Guide to traffic engineering practice. The NAASRA guideline has been superseded by more recent Austroads guidelines having longer minimum sight distances as the result of road safety research, and different measurement parameters. While the general approach of RTS 6 is considered to remain appropriate, the minimum distances should be calculated using current versions of Austroads Guidelines. For driveways on arterial roads, RTS 6 uses distances calculated from the Safe Intersection Sight Distance (SISD) standard. The minimum sight distance stated in the TA is the RTS 6 distance for an operating speed of 90km/h, not the measured operating speeds of 94 and

95km/h. The minimum distances should either be based on the rounded-up speed (ie 100km/h), interpolated, or preferably calculated from the formula.

- d. Vehicles approaching the access location from the west would be braking on a down-grade, which requires longer stopping distances. The TA does not adjust the minimum sight distance to take account of grade in the braking area.
- e. The TA states that the measured sight distances do not meet the (outdated and rounded down) RTS 6 requirements.
- f. The TA notes that the Austroads SSD and MGSD standards are met, but neither are considered to be appropriate for driveways on an arterial road. RTS 6 only uses the lower SSD standard on lower-order roads.
- g. Sight distances to vehicles waiting to turn right into the driveway (ie BD and BC in RTS 6) are not stated and are likely to be less than those measured from the driveway.
- h. Speeds were measured using radar equipment which is subject to under-representing vehicle speeds as a result of drivers being alerted by radar-detecting devices.

Further information is required to demonstrate that an access location is available that would allow the land to be developed safely. An access should meet the current Austroads SISD standard for vehicles turning in and out of any driveway.

Land use capability – Fiona Curran-Cournane, RIMU

LC1	Soil Assessment Report	Please provide New Zealand Soil Classification with the soil series names corresponding to the Land Resource Inventory	A Land Resource Inventory for each of the soil observations was carried out by Dr Douglas Hicks. Corresponding New Zealand Soil Classification with the soil series names used would also be helpful.
LC2	Soil Assessment Report	Please clarify whether Mr Stuart Ford is indeed the author of the 'The Agribusiness Group' referenced in the Soil Assessment Report.	In Soil Assessment Report (SAR), Dr Douglas Hicks refers to a separate assessment by Mr Stuart Ford that "confirms that neither area suffices to support a viable horticultural enterprise". An assessment specifically co-authored by Mr Stuart Ford has not been indicated.
LC3	Soil Assessment Report	Please explain why the Soil Assessment Report concludes that the LUC Class 3 land does not meet the definition criteria for prime soils, particularly given that Dr Hicks' rebuttal evidence for the Seif Family Trust and Auckland Council Environment Court hearing 29875791 v 1 makes a contrary conclusion regarding the classification of LUC 3.	<p>In the SAR, Dr Douglas Hicks concludes that 6.03 hectares (or 11%) of the land in the subject area conforms to the AUP(OP) definition of land occupying prime soil and regards it as LUC class 2. Dr Douglas Hicks also concludes that 35.1 ha (or 67.5%) of the land does not meet the definition criteria for prime soils but rather is LUC class 3 which he has defined as land that has moderate physical limitations to arable use as per Lynn et al 2009.</p> <p>However, in paragraph 4.4 of his rebuttal evidence for the Seif Family Trust and Auckland Council Environment Court hearing 29875791 v 1, Dr Douglas Hicks previously regarded land containing prime soils as both LUC class 2 and 3 land (i.e. which arguably implies that any soil occupying LUC class 2 and 3 land falls within the definition of prime soils).</p> <p><u>Note:</u> The AUP(OP) definition of 'land containing prime soil' is defined as 'Land identified as land use capability classes two and three (LUC2 and 3), with slight to moderate physical limitations for arable use' and land in the subject area would therefore meet this qualifier. The reference to LUC class 3 land in the AUP(OP) 'land containing prime soil' definition is intended to elevate the importance and value of this land in its definition. The value of LUC classes 2 and 3 are also reflected in National</p>

LC4	Land Use Capability Report	Please clarify the statement in the Land Use Capability Report that the 'AUPOiP provisions are to ensure that Auckland retains sufficient soils which have the desirable characteristics to enable the continuation of horticultural production, particularly the commercial vegetable production sector'.	<p>Policy Statement for Highly Productive Land Discussion Document which proposes the definition of Highly Productive Land as land containing LUC classes 1-3 in the interim¹.</p> <p>The AUP(OP) recognises the value of Auckland's rural land which contains extensive, productive and valuable areas beyond horticulture which are also used for commercial farming, forestry and recreation as well as the productive potential of land that does not contain elite or prime soil². The purpose of sustainable management includes safeguarding the life-supporting capacity of natural resources now and in the future. This includes protecting the productive potential of the land to provide for present and future generations as well as significant indigenous biodiversity. Any reference to LUC classes 1-3 also includes all-encompassing rural production activities (potential or actual) and recognises that 'no matter what type of rural production occurs, retaining land with high productive potential for primary production provides flexibility to improve economic performance, sustainably manage land resources and enable communities to pursue sustainable lifestyles'³.</p> <p>Bearing the above in mind, not only are the development types proposed in the Clevedon-Kawakawa PPC proposal seeking to disproportionately occupy the better parts of the land (as identified as LUC class 2 at the farm-scale); but paragraphs 4-5 of the above tend to be disregarded in the Land Use Capability Report which fails to acknowledge the productive potential of land identified as LUC class 2, considering its development endorsement of this land. Additionally, the Land Use Capability Report disregards the nearly 80% (41.13ha) of the subject that has been mapped at the farm scale as occupying LUC classes 2-3 land as per Dr Doug Hicks' SAR. If indeed it was</p>
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¹ Ministry for Primary Industries (2019). "Discussion document on a proposed National Policy Statement for Highly Productive Land. Ministry for Primary Industries. August 2019."

² AUPOiP Rural Environment Chapter B Regional Policy Statement B9 B.1.1 Issues and B9.3.1.(3)

³ AUPOiP Rural Environment Chapter B Regional Policy Statement B9.5

LC5	Land Use Capability Report	Please substantiate the statement that <i>“the commercial vegetable production sector regard blocks of land below 50 ha as unsuitable to be able to operate them efficiently”</i> (p.3 Land Use Capability Report)	Mr Stuart Ford who authored the Land Use Capability Report for the subject area, this author previously placed equal weight, if not close to, when presenting evidence on Topic hearings 011 and 056+057 concerning elite and prime soils as part of the Proposed Auckland Unitary Plan Hearings.
LC6	Land Use Capability Report	Please clarify the reference to the term ‘viable operation’ which is used frequently in the Land Use Capability Report	The Land Use Capability Report refers to the commercial vegetable production sector regarding blocks of land below 50ha as being unsuitable to be able to operate efficiently. This statement needs to be substantiated with a robust reference.
LC7	Land use map	Please provide a land use map of the subject land and surrounding area.	The Land Use Capability Report in various sections refers to what is or is not a viable operation which needs to be substantiated with a robust reference; the term ‘economically viable’ has otherwise not only been reported as being an incredibly subjective term but has also been regarded as being a rather dated term as far as horticultural operations are concerned ⁴ .
			A land use map of the subject and surrounding area is requested to substantiate the statement in paragraph 122 of the Statutory Assessment report that <i>‘the land use around the plan change site is characterised by mostly rural lifestyle properties, particularly around the southern part of the site where the clustered countryside living development is proposed to be located’</i> .

⁴ Clothier, B. (2009). "Evidence in Chief before the Environment Court in the matter of the Resource Management Act 1991 and the matter of an Appeal under Section 120 of the Resource Management Act 1991 between Bunnings Limited (appellant) and Hastings District Council (respondent) APPEAL: ENV-2009-WLG-0182."

Stormwater and flooding matters – Iresh Jayawardena, Healthy Waters

SW1	Potential restoration and enhancement areas	Please clarify whether bespoke precinct provisions have been considered to require the implementation of ecological enhancements opportunities identified in the <i>Ecological Report</i> (Technical Report No 9) prepared by 4Sight Consulting.	<p>Section 5 and Section 6 of the Ecological Report (Technical Report No 9) prepared by 4Sight Consulting found that the ecological values currently present on the site are negligible. Section 6 of the report has also indicated that there is potential for positive effects as part of any future subdivision and development of the site through the implementation of identified enhancement opportunities, such as wetland and riparian restoration, inanga spawning habitat creation and improvement to fish passage (ref to Figure 3 Suggested enhancement and restoration areas).</p> <p>It is acknowledged that ecological report identified enhancement opportunities that can be implemented at the time of subdivision and development stage of the site. However, given the land use is known, adequate provisions could be made at the plan change stage to enable better outcomes at the resource consent stages to be achieved (i.e. additional precinct provisions). Please clarify whether these environmental enhancement opportunities should be expressed through the provisions proposed in this plan change, rather than leaving it to the resource consent stage.</p>
SW2	Natural Hazards (Policy directives)	Please expand the Section 32 analysis to adequately assess the flood hazard associated with the likely location of development, particularly in relation to the objectives and policies of Chapter E36 and RPS Policy B10.2 of the AUP(OP).	<p>The site is located within both 1% AEP flood plain as well as coastal inundation 1% AEP plus 1m Sea Level Rise Controls within the AUP(OP).</p> <p>Paragraph 132 (p. 33) of the SAR states that <i>“it also ensures that future subdivision and development only occurs where the risks of adverse effects from flood hazards are not increased overall and where practicable are reduced, taking into account the likely long-term effects of climate change.”</i></p> <p>The plan change proposal is to allow rural residential development on the site, which enables more vulnerable activities to locate in areas subject to flood hazards. Therefore, the risks around flood hazards associated with the PPC are greater compared with what can be developed under the current zoning.</p>

			<p>While taking into account outcomes of the proposal, the Section 32 report does not adequately assess the actual and potential effects of locating activities vulnerable to flood risk within areas subject to flood hazards, and how the proposal fits within relevant objectives and policies of the plan, in particular RPS Policy B10.2 and those within Chapter E36.</p> <p>The Section 32 planning report should also provide an assessment against relevant Chapter E36 objectives and policies to understand the actual and potential effects of the PPC while taking into account the likely effects on climate change, coastal and flood hazards</p>
SW3	Natural Hazards (Flooding)	Please provide justification/rationale in regard to why development in areas subject to natural hazards (flooding) cannot be avoided, rather than considering mitigating adverse effects.	<p>Page 33 of the SAR states that “as a result of these natural hazard flood risks being identified on the site any future subdivision and development on the site will require resource consent under the rules contained in Table E36.4.1 of the AUP (OP). These rules enable the risk of adverse effects from flood hazards to be appropriately assessed at the time of subdivision and development and for significant adverse effects to be avoided through refusal of resource consent where necessary.</p> <p>It is acknowledged that for any subdivision or development within the subject site a resource consent will be required under Chapter E36 of the AUP(OP), and will therefore be subject to the objectives and policies of E36. However, given the indicative development that would be enabled by this plan change is located on land subject to natural hazards and climate change risks, these risks should be</p>
SW4	Integrated stormwater management outcomes	Please expand the Section 32 assessment or provide further discussion/assessment on how the proposed plan change request will give effect to relevant E1.2 Objectives and Policies E1.3. (9) under Chapter E1 Water Quality and Integrated Management of the AUP(OP).	<p>Taking into account the future re-development of the subject site, the Section 32 report does not provide any discussion/assessment on how the proposed plan change request meets or gives effect to the objectives and policies under E1.2 and E1.3. (9) of Chapter E1 Water Quality and Integrated Management within the AUP(OP).</p> <p>The proposal will create impacts on the hydrology through newly created impervious surfaces. The plan change provides an opportunity to ensure that the approach to stormwater achieves integrated management as required by Chapter E1 of the</p>

			<p>AUP(OP). For example, what is the anticipated maximum area of impervious surfaces across the development proposed within the sub-precinct?</p> <p>Advice note:</p> <p><i>Best Practicable Options (BPO) should be considered as an integrated stormwater management approach and provide sufficient details to all understanding of how runoff from the development is managed through the proposed stormwater management approach, in particular, water quality improvements</i></p> <p><i>Please not that property owners are responsible for maintaining stormwater assets created from the proposed development, and the Healthy Waters will not accept stormwater assets for vesting</i></p>
Contaminated land – Rob Burden, Riley Consultants Limited			
C1	Scope of analysis	Please provide further information on the potential for contamination on the properties at 272 and 274 Clevedon Kawakawa Road, initially in the form of a Preliminary Site Investigation.	Part of the properties at 272 and 274 Clevedon Kawakawa Road appear to be part of the plan change request area. However, there does not appear to be contamination related information within the Preliminary Site Investigation (PSI) for the parts of the plan change area that fall within these properties.
C2	Existing structures	Please provide further information on the potential for soil contamination arising from the demolition of farm buildings identified by the PSI.	Historical aerial photographs taken in 1960 and 1972 appear to identify a number of small farm buildings. Please provide further information on the potential for soil contamination by lead (lead from paint) and/or asbestos resulting from deterioration and/or demolition of these buildings. Please identify the areas of potential soil contamination on an appropriate site plan
C3	Uncertified fill	Please provide further information on the potential for uncertified filling to have been carried out on the plan change request	The PSI does not address the potential for uncertified fill and where this may be located on the PPC land.

		area. Please show the extent of any uncertified filling on an appropriate site plan	
C4	Horticulture	Please provide further information on the potential for horticultural activities to have been carried out on the plan change area prior to 1960.	The Council Site Contamination Enquiry notes the possibility of historical horticultural activities having been carried out on the plan change request area. The earliest aerial photograph reviewed in the PSI is dated 1960. Further analysis is required to determine the presence of horticulture prior to 1960 and any residual risk of contamination as a result.
C5	Farm dumps	Please provide further information on the potential for historical farm dumps to exist on the plan change request area. Please identify any farm dumps on a suitable site plan and provide information on the potential for contamination from those dumps.	Corrugated iron, timber and fencing wire were observed near an existing shed. Further information is required to understand the potential contamination related to this material and any other farm dumps on the PPC land.
C6	Mounds	Please provide further information on the contents of the four mounds covered by white sheeting on the western part of the site.	During the site walkover four mounds, covered by white sheeting, were observed on the western part of the site. Please provide further information on the contents of the mounds and the potential for contamination from the mounds.
Geotech matters – James Beaumont, Riley Consultants Limited			
G1	Lateral spread	Please provide further information on the assessment of lateral spread.	The area of the site potentially affected by the calculated lateral spread is significant. Please provide further information on the method of assessment used for lateral spread, comment on the calculated lateral spread in relation to the height of the free face, whether or not the calculated lateral spread are expected and why, provide lateral spread contours and also outline how this hazard is intended to be mitigated.

G2	Advice Note	<i>Please reconsider the assessed seismic site subsoil category. By inspection of the CPT records we have noted that there are materials with $C_u < 12.5 \text{ kPa}$ and SPT $N < 6$ present within the tested profile;</i>
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APPENDIX 2

No	In situ data				Ksbt (m/s)	Cv (m2/s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)
	Depth (m)	qc (MPa)	fs (kPa)	SBTn				
1	0.01	0.01	0.5	5	2.97E-07	7.97E-06	0	0.26
2	0.02	0.04	0.5	5	1.84E-06	2.63E-04	0	1.4
3	0.03	0.13	0.8	6	9.63E-06	2.60E-03	0	2.65
4	0.04	0.29	0.6	6	3.84E-05	1.68E-02	1	4.29
5	0.05	0.53	0.7	6	6.04E-05	4.28E-02	1	6.95
6	0.06	0.86	4	6	8.27E-05	8.71E-02	2	10.32
7	0.07	1.26	5.2	6	1.31E-04	1.85E-01	3	13.8
8	0.08	1.73	6.7	6	1.89E-04	3.41E-01	4	17.73
9	0.09	2.29	8.6	6	2.90E-04	6.32E-01	4	21.39
10	0.1	2.86	10.9	6	3.30E-04	8.66E-01	5	25.78
11	0.11	3.34	14.6	6	3.86E-04	1.16E+00	6	29.46
12	0.12	3.79	18.2	6	4.01E-04	1.37E+00	7	33.39
13	0.13	4.27	19.1	6	4.44E-04	1.66E+00	8	36.72
14	0.14	4.71	22.4	6	5.35E-04	2.14E+00	9	39.31
15	0.15	5.16	23.7	6	5.52E-04	2.40E+00	9	42.68
16	0.16	5.57	28.1	6	5.90E-04	2.74E+00	10	45.57
17	0.17	5.95	28.9	6	5.82E-04	2.90E+00	11	48.87
18	0.18	6.32	31.3	6	6.35E-04	3.31E+00	11	51.06
19	0.19	6.67	31.7	6	6.65E-04	3.61E+00	12	53.27
20	0.2	6.94	34	6	6.83E-04	3.86E+00	12	55.43
21	0.21	7.24	36.9	6	6.90E-04	4.06E+00	13	57.65
22	0.22	7.54	38.2	6	6.86E-04	4.21E+00	13	60.22
23	0.23	7.88	42.6	6	6.62E-04	4.27E+00	14	63.2
24	0.24	8.21	51.7	6	6.01E-04	4.14E+00	15	67.48
25	0.25	8.7	57.8	6	5.99E-04	4.35E+00	16	71.16
26	0.26	9.22	56.4	6	6.58E-04	4.98E+00	16	74.29
27	0.27	9.82	58.7	6	7.24E-04	5.71E+00	17	77.31
28	0.28	10.34	64.1	6	7.53E-04	6.20E+00	18	80.78
29	0.29	10.76	67.4	6	7.14E-04	6.22E+00	19	85.49
30	0.3	11.31	76.8	6	6.94E-04	6.29E+00	20	88.9
31	0.31	11.46	79.4	6	6.70E-04	6.29E+00	20	92.15
32	0.32	11.76	82.6	6	6.59E-04	6.32E+00	21	94.11
33	0.33	11.93	84.9	6	6.38E-04	6.26E+00	21	96.26
34	0.34	12.05	89.5	6	6.05E-04	6.05E+00	22	98.05
35	0.35	12.09	92.4	6	5.63E-04	5.70E+00	22	99.38
36	0.36	11.95	94	6	5.01E-04	5.13E+00	22	100.56
37	0.37	11.72	100.9	6	4.26E-04	4.42E+00	22	101.85
38	0.38	11.5	107.8	6	3.47E-04	3.68E+00	22	103.98
39	0.39	11.38	117.3	6	2.82E-04	3.06E+00	22	106.56
40	0.4	11.28	127.9	6	2.26E-04	2.52E+00	22	108.96
41	0.41	10.91	136	6	1.89E-04	2.13E+00	22	110.63

42	0.42	10.79	142.1	6	1.61E-04	1.84E+00	22	111.82
43	0.43	10.7	145.4	6	1.40E-04	1.61E+00	22	113.39
44	0.44	10.51	155.3	6	1.20E-04	1.41E+00	22	114.9
45	0.45	10.36	161.8	6	1.01E-04	1.20E+00	22	116.44
46	0.46	10.1	168.9	6	8.60E-05	1.03E+00	22	117.24
47	0.47	9.85	172.6	6	7.20E-05	8.64E-01	21	117.65
48	0.48	9.51	178.8	8	5.95E-05	7.16E-01	21	118.06
49	0.49	9.21	187.7	8	4.84E-05	5.84E-01	21	118.46
50	0.5	8.9	193.7	8	4.05E-05	4.89E-01	21	118.52
51	0.51	8.65	194.8	8	3.48E-05	4.19E-01	20	117.96
52	0.52	8.37	196.4	8	3.02E-05	3.61E-01	20	117.1
53	0.53	8.06	199.1	8	2.53E-05	3.01E-01	19	116.92
54	0.54	7.81	209.7	8	2.12E-05	2.52E-01	19	116.59
55	0.55	7.55	209.7	8	1.79E-05	2.12E-01	19	116.54
56	0.56	7.33	214.9	8	1.54E-05	1.82E-01	18	115.74
57	0.57	7.06	216.6	8	1.31E-05	1.54E-01	18	115.38
58	0.58	6.85	222	8	1.11E-05	1.31E-01	18	115.49
59	0.59	6.73	231.5	8	9.63E-06	1.13E-01	18	115.59
60	0.6	6.55	231.5	8	7.90E-06	9.41E-02	18	116.86
61	0.61	6.36	254.4	8	6.58E-06	7.86E-02	17	117.21
62	0.62	6.15	254.4	8	5.48E-06	6.63E-02	17	118.63
63	0.63	6.15	265.1	8	4.78E-06	5.76E-02	17	118.22
64	0.64	5.84	265.1	8	4.20E-06	5.05E-02	17	117.92
65	0.65	5.69	265.1	8	3.71E-06	4.39E-02	16	115.82
66	0.66	5.46	256.9	9	3.33E-06	3.87E-02	16	113.88
67	0.67	5.23	256.1	9	3.09E-06	3.53E-02	16	112.23
68	0.68	5.23	254.7	9	2.58E-06	2.89E-02	15	110.06
69	0.69	4.65	254.7	9	2.33E-06	2.56E-02	15	107.73
70	0.7	4.65	241.3	9	2.09E-06	2.23E-02	14	104.54
71	0.71	4.54	231.3	9	2.24E-06	2.34E-02	14	102.45
72	0.72	4.54	221.1	9	2.38E-06	2.44E-02	14	100.45
73	0.73	4.54	210.1	9	2.33E-06	2.32E-02	13	97.93
74	0.74	4.14	205.5	9	2.18E-06	2.13E-02	13	95.78
75	0.75	4.1	203.5	9	1.96E-06	1.88E-02	13	94.18
76	0.76	4.08	202.6	9	1.92E-06	1.84E-02	12	94.06
77	0.77	4.08	203.3	9	1.90E-06	1.83E-02	13	94.51
78	0.78	4.13	206.3	9	1.86E-06	1.80E-02	13	95.13
79	0.79	4.12	208	9	1.80E-06	1.05E-02	13	57.21
80	0.8	4.06	207	9	1.74E-06	1.00E-02	13	56.75
81	0.81	4.03	206.3	9	1.69E-06	9.62E-03	12	56
82	0.82	3.96	200.8	9	1.60E-06	8.97E-03	12	55.1
83	0.83	3.86	203.8	9	1.50E-06	8.27E-03	12	54.05
84	0.84	3.81	202.3	9	1.40E-06	7.60E-03	12	53.22
85	0.85	3.78	202.3	9	1.39E-06	7.43E-03	12	52.57

86	0.86	3.72	192.1	9	1.36E-06	7.15E-03	12	51.72
87	0.87	3.63	190.1	9	1.34E-06	6.96E-03	12	50.84
88	0.88	3.59	187	9	1.26E-06	6.41E-03	11	49.77
89	0.89	3.5	186.2	9	1.21E-06	6.07E-03	11	49.09
90	0.9	3.48	185.6	9	1.15E-06	5.68E-03	11	48.29
91	0.91	3.42	182.9	9	1.12E-06	5.45E-03	11	47.71
92	0.92	3.37	180.3	9	1.10E-06	5.28E-03	11	47.19
93	0.93	3.37	178.8	9	1.08E-06	5.15E-03	11	46.81
94	0.94	3.34	177.7	9	1.05E-06	4.97E-03	11	46.44
95	0.95	3.29	177.9	9	1.00E-06	4.69E-03	11	45.84
96	0.96	3.24	176.3	9	9.49E-07	4.36E-03	11	45.01
97	0.97	3.16	173.5	9	8.84E-07	3.97E-03	10	44.02
98	0.98	3.08	174.1	9	8.33E-07	3.66E-03	10	43.14
99	0.99	3.05	171.4	9	8.03E-07	3.49E-03	10	42.65
100	1	3.06	170.6	9	8.00E-07	3.47E-03	10	42.52
101	1.01	3.05	170	9	7.96E-07	3.45E-03	10	42.44
102	1.02	3.04	168.7	9	7.71E-07	3.31E-03	10	42.07
103	1.03	2.98	168.7	9	7.50E-07	3.19E-03	10	41.65
104	1.04	2.97	166.1	9	7.35E-07	3.10E-03	10	41.36
105	1.05	2.98	165.4	9	7.44E-07	3.14E-03	10	41.43
106	1.06	3	165	9	7.56E-07	3.21E-03	10	41.62
107	1.07	3.01	163.9	9	7.64E-07	3.25E-03	10	41.72
108	1.08	3	162.8	9	7.68E-07	3.26E-03	10	41.69
109	1.09	2.99	161.2	9	7.64E-07	3.24E-03	10	41.6
110	1.1	2.99	161.3	9	7.54E-07	3.19E-03	10	41.55
111	1.11	2.99	162.7	9	7.29E-07	3.08E-03	10	41.39
112	1.12	2.96	163.6	9	6.93E-07	2.90E-03	10	41.07
113	1.13	2.92	164.7	9	6.53E-07	2.70E-03	10	40.61
114	1.14	2.89	165.5	9	6.30E-07	2.59E-03	10	40.37
115	1.15	2.9	164.9	9	6.26E-07	2.57E-03	10	40.34
116	1.16	2.91	163.5	9	6.34E-07	2.61E-03	10	40.41
117	1.17	2.9	161.9	9	6.31E-07	2.59E-03	10	40.24
118	1.18	2.87	160.7	9	6.22E-07	2.53E-03	10	39.89
119	1.19	2.84	158	9	6.11E-07	2.46E-03	10	39.46
120	1.2	2.81	155.1	9	6.01E-07	2.39E-03	10	39
121	1.21	2.77	153.3	9	5.90E-07	2.32E-03	9	38.54
122	1.22	2.74	150.9	9	5.72E-07	2.22E-03	9	38.07
123	1.23	2.71	150.9	9	5.68E-07	2.18E-03	9	37.71
124	1.24	2.69	145.6	9	5.64E-07	2.15E-03	9	37.34
125	1.25	2.67	143.5	9	5.70E-07	2.16E-03	9	37.1
126	1.26	2.66	142	9	5.71E-07	2.15E-03	9	36.93
127	1.27	2.66	140.3	9	5.78E-07	2.17E-03	9	36.9
128	1.28	2.66	138.8	9	5.84E-07	2.19E-03	9	36.83
129	1.29	2.65	136.6	9	5.93E-07	2.22E-03	9	36.76

130	1.3	2.64	134.5	9	6.00E-07	2.24E-03	9	36.66
131	1.31	2.64	132.7	9	5.97E-07	2.21E-03	9	36.39
132	1.32	2.59	131.1	9	5.89E-07	2.16E-03	9	36.03
133	1.33	2.56	128.7	9	5.84E-07	2.12E-03	9	35.61
134	1.34	2.55	125	9	5.97E-07	2.15E-03	9	35.39
135	1.35	2.54	121.5	9	6.18E-07	2.22E-03	9	35.29
136	1.36	2.54	119.2	9	6.38E-07	2.29E-03	9	35.27
137	1.37	2.55	117.5	9	6.52E-07	2.35E-03	9	35.31
138	1.38	2.55	116.8	9	6.64E-07	2.39E-03	9	35.35
139	1.39	2.55	115.4	9	6.74E-07	2.43E-03	9	35.41
140	1.4	2.56	114.7	9	6.84E-07	2.48E-03	9	35.5
141	1.41	2.57	114.5	9	6.94E-07	2.52E-03	9	35.6
142	1.42	2.57	113.1	9	7.00E-07	2.54E-03	9	35.6
143	1.43	2.56	112	9	7.02E-07	2.54E-03	9	35.55
144	1.44	2.56	112	9	7.09E-07	2.56E-03	9	35.46
145	1.45	2.55	108.6	9	7.07E-07	2.55E-03	9	35.31
146	1.46	2.53	108.6	9	7.01E-07	2.51E-03	9	35.08
147	1.47	2.52	108.6	9	6.87E-07	2.44E-03	8	34.84
148	1.48	2.5	106.4	9	6.83E-07	2.41E-03	8	34.61
149	1.49	2.48	104.7	9	6.86E-07	2.40E-03	8	34.37
150	1.5	2.46	102.6	9	6.93E-07	2.41E-03	8	34.12
151	1.51	2.45	99.8	9	7.07E-07	2.45E-03	8	33.95
152	1.52	2.45	97.6	9	7.24E-07	2.49E-03	8	33.77
153	1.53	2.43	95.2	9	7.43E-07	2.55E-03	8	33.67
154	1.54	2.43	93.3	9	7.56E-07	2.59E-03	8	33.56
155	1.55	2.43	92.5	4	7.33E-07	2.48E-03	8	33.17
156	1.56	2.34	92.6	9	6.89E-07	2.30E-03	8	32.71
157	1.57	2.33	93.8	9	6.39E-07	2.10E-03	8	32.24
158	1.58	2.33	94.9	9	6.17E-07	2.02E-03	8	32.17
159	1.59	2.33	95.4	9	6.00E-07	1.96E-03	8	32.12
160	1.6	2.32	96.1	9	5.86E-07	1.91E-03	8	32.04
161	1.61	2.31	95.9	9	5.71E-07	1.85E-03	8	31.85
162	1.62	2.29	94.9	9	5.52E-07	1.77E-03	8	31.53
163	1.63	2.25	94.9	9	5.18E-07	1.63E-03	8	30.97
164	1.64	2.19	94.9	9	4.75E-07	1.47E-03	8	30.25
165	1.65	2.13	93.9	9	4.34E-07	1.30E-03	7	29.4
166	1.66	2.07	92.3	9	4.00E-07	1.17E-03	7	28.62
167	1.67	2.03	91.9	9	3.70E-07	1.05E-03	7	27.99
168	1.68	2	91.8	9	3.49E-07	9.82E-04	7	27.58
169	1.69	1.98	91.8	9	3.36E-07	9.36E-04	7	27.33
170	1.7	1.98	91.8	9	3.31E-07	9.20E-04	7	27.23
171	1.71	1.98	90.9	9	3.31E-07	9.19E-04	7	27.21
172	1.72	1.98	90.4	9	3.50E-07	9.84E-04	7	27.58
173	1.73	2.05	89.8	9	3.68E-07	1.05E-03	7	27.9

174	1.74	2.04	88.9	9	3.85E-07	1.10E-03	7	28.16
175	1.75	2.03	87.6	4	3.80E-07	1.08E-03	7	27.96
176	1.76	2.01	87.2	4	3.77E-07	1.07E-03	7	27.82
177	1.77	2.01	86.6	4	3.75E-07	1.06E-03	7	27.72
178	1.78	2.01	85.6	4	3.77E-07	1.06E-03	7	27.7
179	1.79	2.01	85.3	4	3.77E-07	1.06E-03	7	27.66
180	1.8	2	84.8	4	3.73E-07	1.05E-03	7	27.54
181	1.81	1.98	84.1	4	3.63E-07	1.01E-03	7	27.32
182	1.82	1.96	84.1	4	3.48E-07	9.60E-04	7	27.03
183	1.83	1.94	84.5	4	3.30E-07	9.00E-04	7	26.77
184	1.84	1.92	85.9	4	3.14E-07	8.50E-04	7	26.59
185	1.85	1.92	86.5	4	3.04E-07	8.22E-04	7	26.52
186	1.86	1.92	86.3	4	3.02E-07	8.17E-04	7	26.56
187	1.87	1.93	86.8	4	3.03E-07	8.25E-04	7	26.68
188	1.88	1.95	87	4	3.09E-07	8.46E-04	7	26.87
189	1.89	1.97	86.6	4	3.18E-07	8.80E-04	7	27.14
190	1.9	1.99	86.7	4	3.29E-07	9.17E-04	7	27.37
191	1.91	1.99	85.7	4	3.36E-07	9.41E-04	7	27.47
192	1.92	1.99	84.6	4	3.37E-07	9.42E-04	7	27.42
193	1.93	1.98	84.6	4	3.20E-07	8.92E-04	7	27.33
194	1.94	1.97	90	4	3.00E-07	8.33E-04	7	27.26
195	1.95	1.97	91.3	4	2.81E-07	7.81E-04	7	27.24
196	1.96	1.98	92.1	4	2.78E-07	7.77E-04	7	27.41
197	1.97	2.01	93.8	9	2.80E-07	7.92E-04	7	27.73
198	1.98	2.04	95.1	9	2.89E-07	8.32E-04	7	28.23
199	1.99	2.09	96.2	9	3.02E-07	8.88E-04	8	28.84
200	2	2.14	97.8	9	3.07E-07	9.18E-04	8	29.3
201	2.01	2.14	99.9	9	3.10E-07	9.42E-04	8	29.8
202	2.02	2.19	103.3	9	3.08E-07	9.46E-04	8	30.14
203	2.03	2.21	104.1	9	3.11E-07	9.67E-04	8	30.55
204	2.04	2.23	105.2	9	3.12E-07	9.77E-04	8	30.72
205	2.05	2.23	104.8	9	3.16E-07	9.94E-04	8	30.87
206	2.06	2.24	103.9	9	3.19E-07	1.00E-03	8	30.89
207	2.07	2.23	103.3	9	3.14E-07	9.84E-04	8	30.74
208	2.08	2.2	103.3	9	3.06E-07	9.51E-04	8	30.44
209	2.09	2.18	101.3	9	2.97E-07	9.13E-04	8	30.12
210	2.1	2.16	101	9	2.95E-07	9.02E-04	8	29.97
211	2.11	2.17	100.7	9	2.94E-07	8.94E-04	8	29.88
212	2.12	2.16	99.6	9	2.95E-07	8.98E-04	8	29.82
213	2.13	2.15	98	4	3.01E-07	9.12E-04	8	29.77
214	2.14	2.16	96.3	4	3.08E-07	9.37E-04	8	29.82
215	2.15	2.17	95.9	4	3.18E-07	9.70E-04	8	29.92
216	2.16	2.17	94.2	4	3.37E-07	1.04E-03	8	30.28
217	2.17	2.23	93.2	4	3.59E-07	1.12E-03	8	30.63

218	2.18	2.24	92.2	4	3.87E-07	1.22E-03	8	31.04
219	2.19	2.25	89.8	4	4.06E-07	1.29E-03	8	31.22
220	2.2	2.27	88.5	4	4.26E-07	1.36E-03	8	31.42
221	2.21	2.28	88	4	4.37E-07	1.41E-03	8	31.58
222	2.22	2.28	88	4	4.51E-07	1.46E-03	8	31.71
223	2.23	2.29	85.6	4	4.61E-07	1.49E-03	8	31.79
224	2.24	2.3	85.3	4	4.76E-07	1.55E-03	8	31.91
225	2.25	2.31	84.8	4	4.81E-07	1.57E-03	8	31.98
226	2.26	2.31	84.6	4	4.84E-07	1.58E-03	8	32.03
227	2.27	2.31	84.6	4	4.79E-07	1.56E-03	8	31.95
228	2.28	2.29	84.2	4	4.72E-07	1.53E-03	8	31.8
229	2.29	2.28	83.3	4	4.67E-07	1.51E-03	8	31.64
230	2.3	2.28	83	4	4.68E-07	1.51E-03	8	31.61
231	2.31	2.29	82.8	4	4.69E-07	1.51E-03	8	31.61
232	2.32	2.28	82.4	4	4.69E-07	1.51E-03	8	31.61
233	2.33	2.28	82.1	4	4.65E-07	1.49E-03	8	31.49
234	2.34	2.27	81.4	4	4.60E-07	1.47E-03	8	31.37
235	2.35	2.26	81.4	4	4.61E-07	1.47E-03	8	31.2
236	2.36	2.25	78.6	4	4.66E-07	1.48E-03	8	31.1
237	2.37	2.25	77.7	4	4.76E-07	1.50E-03	8	30.99
238	2.38	2.24	76.5	4	4.81E-07	1.51E-03	8	30.89
239	2.39	2.23	75.3	5	4.86E-07	1.52E-03	8	30.72
240	2.4	2.21	73.6	5	4.88E-07	1.52E-03	8	30.56
241	2.41	2.2	73	5	4.88E-07	1.51E-03	8	30.4
242	2.42	2.19	72.4	5	4.87E-07	1.50E-03	8	30.3
243	2.43	2.19	71.8	5	4.82E-07	1.48E-03	8	30.1
244	2.44	2.16	70.8	5	4.79E-07	1.46E-03	8	29.91
245	2.45	2.15	69.8	5	4.73E-07	1.43E-03	8	29.66
246	2.46	2.14	69.2	5	4.72E-07	1.42E-03	8	29.5
247	2.47	2.13	68.3	5	4.74E-07	1.42E-03	7	29.4
248	2.48	2.13	67.4	5	4.76E-07	1.42E-03	7	29.35
249	2.49	2.13	67.4	5	4.86E-07	1.45E-03	7	29.33
250	2.5	2.12	65.1	5	4.98E-07	1.49E-03	7	29.3
251	2.51	2.12	64	5	5.13E-07	1.53E-03	7	29.28
252	2.52	2.12	63.4	5	5.18E-07	1.54E-03	7	29.24
253	2.53	2.11	62.9	5	5.18E-07	1.54E-03	7	29.17
254	2.54	2.11	62.6	5	5.18E-07	1.53E-03	7	29.07
255	2.55	2.1	61.7	5	5.17E-07	1.53E-03	7	28.97
256	2.56	2.09	61.3	5	5.19E-07	1.53E-03	7	28.89
257	2.57	2.09	60.6	5	5.12E-07	1.50E-03	7	28.74
258	2.58	2.07	60.6	5	5.06E-07	1.48E-03	7	28.64
259	2.59	2.07	60.7	5	4.96E-07	1.44E-03	7	28.52
260	2.6	2.06	60.4	5	4.93E-07	1.43E-03	7	28.49
261	2.61	2.06	60.4	5	4.91E-07	1.43E-03	7	28.48

262	2.62	2.06	60.4	5	5.46E-07	1.59E-03	7	28.53
263	2.63	2.07	50.3	5	6.16E-07	1.80E-03	7	28.65
264	2.64	2.09	50.3	5	7.27E-07	2.13E-03	7	28.71
265	2.65	2.08	46.3	5	7.43E-07	2.17E-03	7	28.67
266	2.66	2.07	47.7	5	7.35E-07	2.14E-03	7	28.49
267	2.67	2.05	48.9	5	6.87E-07	1.99E-03	7	28.35
268	2.68	2.05	50	5	6.54E-07	1.89E-03	7	28.29
269	2.69	2.05	50.7	5	6.38E-07	1.84E-03	7	28.3
270	2.7	2.05	50.6	5	6.40E-07	1.85E-03	7	28.4
271	2.71	2.07	50.5	5	6.41E-07	1.86E-03	7	28.48
272	2.72	2.07	50.9	5	7.14E-07	2.14E-03	7	29.39
273	2.73	2.25	50.9	5	7.73E-07	2.38E-03	7	30.16
274	2.74	2.24	51.4	5	8.35E-07	2.63E-03	7	30.9
275	2.75	2.23	51.4	5	7.97E-07	2.50E-03	7	30.75
276	2.76	2.21	53	5	7.52E-07	2.34E-03	7	30.6
277	2.77	2.2	54.6	5	6.94E-07	2.15E-03	7	30.4
278	2.78	2.18	55.9	5	6.40E-07	1.96E-03	7	30.09
279	2.79	2.15	56.5	5	5.89E-07	1.78E-03	7	29.7
280	2.8	2.12	57.3	5	5.45E-07	1.63E-03	7	29.29
281	2.81	2.09	58	5	5.04E-07	1.48E-03	7	28.87
282	2.82	2.05	58.3	5	4.79E-07	1.40E-03	7	28.59
283	2.83	2.05	58.3	5	4.31E-07	1.22E-03	7	27.79
284	2.84	1.92	57.6	5	3.93E-07	1.08E-03	7	26.99
285	2.85	1.88	56.3	5	3.58E-07	9.53E-04	7	26.08
286	2.86	1.85	54.5	5	3.61E-07	9.47E-04	7	25.73
287	2.87	1.83	51.9	5	3.78E-07	9.83E-04	7	25.48
288	2.88	1.82	48.7	5	4.05E-07	1.04E-03	7	25.3
289	2.89	1.79	46.1	5	4.33E-07	1.11E-03	6	25.13
290	2.9	1.78	44.2	5	4.56E-07	1.16E-03	6	24.97
291	2.91	1.76	42.5	5	4.77E-07	1.21E-03	6	24.85
292	2.92	1.75	41	5	4.98E-07	1.26E-03	6	24.78
293	2.93	1.75	40	5	5.12E-07	1.29E-03	6	24.73
294	2.94	1.74	39.6	5	5.13E-07	1.29E-03	6	24.63
295	2.95	1.73	39.6	5	5.04E-07	1.26E-03	6	24.53
296	2.96	1.73	39.7	5	4.89E-07	1.22E-03	6	24.39
297	2.97	1.72	40	5	4.77E-07	1.18E-03	6	24.3
298	2.98	1.71	40	5	4.68E-07	1.16E-03	6	24.25
299	2.99	1.72	40.2	5	4.66E-07	1.15E-03	6	24.28
300	3	1.72	40.2	5	4.69E-07	1.16E-03	6	24.28
301	3.01	1.71	39.2	5	4.72E-07	1.17E-03	6	24.23
302	3.02	1.71	38.9	5	4.74E-07	1.16E-03	6	24.1
303	3.03	1.69	38.3	5	4.73E-07	1.16E-03	6	23.97
304	3.04	1.68	37.6	5	4.75E-07	1.15E-03	6	23.83
305	3.05	1.67	36.8	5	4.80E-07	1.16E-03	6	23.74

306	3.06	1.67	36.4	5	4.82E-07	1.16E-03	6	23.69
307	3.07	1.66	36.5	5	4.77E-07	1.15E-03	6	23.65
308	3.08	1.66	36.9	5	4.27E-07	1.01E-03	6	23.12
309	3.09	1.57	37.8	5	3.64E-07	8.32E-04	6	22.41
310	3.1	1.53	39	5	3.03E-07	6.66E-04	6	21.54
311	3.11	1.5	39.1	4	2.74E-07	5.88E-04	6	21.06
312	3.12	1.47	38.5	4	2.58E-07	5.42E-04	6	20.62
313	3.13	1.45	37.6	4	2.48E-07	5.12E-04	6	20.23
314	3.14	1.43	36.6	4	2.43E-07	4.92E-04	5	19.88
315	3.15	1.41	35.5	4	2.38E-07	4.75E-04	5	19.57
316	3.16	1.38	34.8	4	2.33E-07	4.56E-04	5	19.22
317	3.17	1.35	33.6	4	2.29E-07	4.40E-04	5	18.87
318	3.18	1.33	32.1	4	2.29E-07	4.33E-04	5	18.53
319	3.19	1.3	30.5	4	2.36E-07	4.41E-04	5	18.28
320	3.2	1.29	28.8	4	2.46E-07	4.53E-04	5	18.04
321	3.21	1.27	27	5	2.56E-07	4.65E-04	5	17.81
322	3.22	1.25	25.8	5	2.59E-07	4.63E-04	5	17.52
323	3.23	1.23	25.1	5	2.56E-07	4.50E-04	5	17.23
324	3.24	1.21	24.3	5	2.49E-07	4.31E-04	5	16.97
325	3.25	1.2	24.3	5	2.48E-07	4.24E-04	5	16.77
326	3.26	1.19	23.1	5	2.52E-07	4.28E-04	5	16.68
327	3.27	1.19	22.6	5	2.59E-07	4.40E-04	5	16.63
328	3.28	1.19	22.3	5	2.66E-07	4.52E-04	5	16.64
329	3.29	1.19	21.9	5	2.69E-07	4.56E-04	5	16.62
330	3.3	1.19	21.7	5	2.73E-07	4.62E-04	5	16.6
331	3.31	1.19	21.3	5	2.76E-07	4.66E-04	5	16.56
332	3.32	1.19	20.9	5	2.82E-07	4.77E-04	5	16.56
333	3.33	1.19	20.6	5	2.89E-07	4.88E-04	5	16.58
334	3.34	1.19	20.3	5	2.97E-07	5.04E-04	5	16.63
335	3.35	1.19	20.1	5	3.06E-07	5.22E-04	5	16.73
336	3.36	1.2	20	5	3.15E-07	5.41E-04	5	16.85
337	3.37	1.21	20.1	5	3.23E-07	5.60E-04	5	17.01
338	3.38	1.22	20.3	5	3.31E-07	5.81E-04	5	17.22
339	3.39	1.24	20.5	5	3.41E-07	6.06E-04	5	17.45
340	3.4	1.26	20.7	5	3.50E-07	6.30E-04	5	17.66
341	3.41	1.27	20.9	5	3.55E-07	6.46E-04	5	17.85
342	3.42	1.28	21.3	5	3.53E-07	6.47E-04	5	18
343	3.43	1.29	22	5	3.47E-07	6.41E-04	5	18.13
344	3.44	1.3	22.5	5	3.38E-07	6.29E-04	5	18.26
345	3.45	1.31	23.3	5	3.27E-07	6.12E-04	5	18.36
346	3.46	1.31	24.1	5	3.15E-07	5.92E-04	5	18.45
347	3.47	1.32	24.8	5	3.02E-07	5.69E-04	5	18.51
348	3.48	1.32	25.6	5	2.90E-07	5.47E-04	5	18.54
349	3.49	1.32	26.1	5	2.80E-07	5.29E-04	5	18.53

350	3.5	1.32	26.1	5	2.70E-07	5.06E-04	5	18.43
351	3.51	1.31	26.2	5	2.61E-07	4.87E-04	5	18.3
352	3.52	1.3	26.2	5	2.52E-07	4.68E-04	5	18.18
353	3.53	1.29	26.3	5	2.45E-07	4.50E-04	5	18.04
354	3.54	1.27	26.1	5	2.35E-07	4.26E-04	5	17.81
355	3.55	1.24	25.6	4	2.24E-07	3.99E-04	5	17.49
356	3.56	1.22	25.1	4	2.13E-07	3.73E-04	5	17.13
357	3.57	1.2	24.6	4	2.06E-07	3.54E-04	5	16.84
358	3.58	1.18	24	4	2.02E-07	3.42E-04	5	16.57
359	3.59	1.17	23.1	4	2.03E-07	3.40E-04	5	16.42
360	3.6	1.17	22.6	4	1.98E-07	3.25E-04	5	16.11
361	3.61	1.13	22	4	1.90E-07	3.06E-04	5	15.84
362	3.62	1.12	22	4	1.78E-07	2.81E-04	4	15.52
363	3.63	1.1	22	5	2.46E-07	3.86E-04	4	15.38
364	3.64	1.09	8.1	5	3.61E-07	5.62E-04	4	15.29
365	3.65	1.09	9.3	5	5.68E-07	8.82E-04	4	15.22
366	3.66	1.09	10.2	5	4.92E-07	7.61E-04	4	15.16
367	3.67	1.08	10.9	5	4.43E-07	6.80E-04	4	15.07
368	3.68	1.08	11.2	5	4.09E-07	6.24E-04	4	14.96
369	3.69	1.07	11.4	5	3.89E-07	5.90E-04	4	14.89
370	3.7	1.07	11.6	5	3.76E-07	5.69E-04	4	14.84
371	3.71	1.07	11.6	5	4.09E-07	6.42E-04	4	15.39
372	3.72	1.21	12.5	5	4.32E-07	6.98E-04	4	15.84
373	3.73	1.19	12.8	5	4.47E-07	7.40E-04	4	16.25
374	3.74	1.17	13.1	5	4.13E-07	6.75E-04	4	16.03
375	3.75	1.15	13.2	5	3.91E-07	6.31E-04	4	15.84
376	3.76	1.14	13	5	3.74E-07	5.96E-04	4	15.64
377	3.77	1.13	12.9	5	3.66E-07	5.77E-04	4	15.49
378	3.78	1.12	12.7	5	3.65E-07	5.72E-04	4	15.4
379	3.79	1.12	12.4	5	3.70E-07	5.80E-04	4	15.36
380	3.8	1.12	12.1	5	3.78E-07	5.90E-04	4	15.33
381	3.81	1.11	11.9	5	3.86E-07	6.04E-04	4	15.35
382	3.82	1.12	11.8	5	3.93E-07	6.17E-04	4	15.38
383	3.83	1.12	11.7	5	3.98E-07	6.25E-04	4	15.4
384	3.84	1.11	11.6	5	4.04E-07	6.35E-04	4	15.42
385	3.85	1.12	11.4	5	4.12E-07	6.48E-04	4	15.44
386	3.86	1.12	11.2	5	4.28E-07	6.76E-04	4	15.5
387	3.87	1.12	10.9	5	4.38E-07	6.96E-04	4	15.57
388	3.88	1.13	11.1	5	4.42E-07	7.08E-04	4	15.71
389	3.89	1.15	11.7	5	4.39E-07	7.10E-04	4	15.89
390	3.9	1.16	12	5	4.28E-07	7.01E-04	4	16.08
391	3.91	1.17	12.8	5	4.18E-07	6.93E-04	4	16.28
392	3.92	1.19	13.4	5	4.07E-07	6.85E-04	4	16.49
393	3.93	1.2	13.9	5	4.05E-07	6.89E-04	4	16.7

394	3.94	1.22	14.2	5	4.10E-07	7.08E-04	5	16.96
395	3.95	1.24	14.6	5	4.28E-07	7.55E-04	5	17.29
396	3.96	1.28	14.6	5	4.70E-07	8.50E-04	5	17.76
397	3.97	1.32	14.2	5	5.45E-07	1.02E-03	5	18.44
398	3.98	1.39	14.2	5	6.06E-07	1.18E-03	5	19.08
399	3.99	1.41	15	5	6.38E-07	1.27E-03	5	19.55
400	4	1.42	15.3	5	6.27E-07	1.26E-03	5	19.76
401	4.01	1.43	15.8	5	6.22E-07	1.26E-03	5	19.83
402	4.02	1.43	15.6	5	6.18E-07	1.25E-03	5	19.81
403	4.03	1.42	15.2	5	6.58E-07	1.32E-03	5	19.71
404	4.04	1.43	13.1	5	7.50E-07	1.50E-03	5	19.62
405	4.05	1.43	11	5	4.97E-07	9.93E-04	5	19.6
406	4.06	1.43	28.2	5	2.55E-07	5.18E-04	6	19.93
407	4.07	1.49	44.2	4	1.31E-07	2.79E-04	6	20.92
408	4.08	1.62	64.4	4	1.09E-07	2.63E-04	7	23.69
409	4.09	1.98	86.8	4	1.56E-07	4.72E-04	8	29.72
410	4.1	2.73	104.1	4	3.22E-07	1.30E-03	11	39.8
411	4.11	3.73	121.6	5	6.85E-07	3.67E-03	13	52.51
412	4.12	4.68	139.3	5	1.20E-06	8.01E-03	15	65.42
413	4.13	5.6	159.1	5	1.61E-06	1.25E-02	17	76.18
414	4.14	6.16	185.3	5	1.75E-06	1.50E-02	19	83.77
415	4.15	6.43	207.8	5	1.67E-06	1.51E-02	20	88.48
416	4.16	6.62	229.2	5	1.66E-06	1.55E-02	21	91.8
417	4.17	6.87	229.2	8	1.38E-06	1.34E-02	22	95.68
418	4.18	7.26	319.9	8	1.18E-06	1.20E-02	23	99.39
419	4.19	7.42	339.6	9	9.84E-07	1.03E-02	24	102.72
420	4.2	7.58	358.2	9	9.50E-07	1.01E-02	25	104.72
421	4.21	7.69	368.3	9	9.53E-07	1.04E-02	25	106.67
422	4.22	7.84	370.4	9	1.05E-06	1.17E-02	26	109.88
423	4.23	8.27	367.3	9	1.07E-06	1.21E-02	26	110.78
424	4.24	7.88	372.2	9	1.05E-06	1.19E-02	26	110.98
425	4.25	7.88	378.6	9	9.15E-07	1.00E-02	25	107.24
426	4.26	7.46	370.5	9	8.44E-07	9.07E-03	25	105.43
427	4.27	7.49	378.1	9	7.74E-07	8.18E-03	25	103.62
428	4.28	7.49	386.6	9	7.21E-07	7.61E-03	25	103.49
429	4.29	7.43	401.7	9	6.91E-07	7.33E-03	25	103.99
430	4.3	7.59	407.9	9	7.16E-07	7.70E-03	26	105.54
431	4.31	7.82	396.8	9	8.11E-07	9.00E-03	26	108.8
432	4.32	8.13	396.8	9	9.71E-07	1.13E-02	27	113.75
433	4.33	8.65	403	9	1.13E-06	1.37E-02	28	119.16
434	4.34	8.98	412.1	9	1.15E-06	1.44E-02	28	122.45
435	4.35	8.83	437.4	9	1.07E-06	1.34E-02	29	122.81
436	4.36	8.73	448.5	9	9.65E-07	1.19E-02	29	121.41
437	4.37	8.67	444.1	9	1.30E-06	1.75E-02	30	132.12

438	4.38	11.12	452.9	8	1.81E-06	2.69E-02	32	146.14
439	4.39	11.73	482.5	8	2.34E-06	6.09E-02	35	255.4
440	4.4	11.73	503.6	8	2.05E-06	5.43E-02	35	260.08
441	4.41	10.93	519.1	9	1.70E-06	2.71E-02	35	156.14
442	4.42	11.02	546.7	9	1.47E-06	2.31E-02	35	153.64
443	4.43	11.18	557.1	9	1.49E-06	2.38E-02	35	156.46
444	4.44	11.52	557.1	9	1.56E-06	2.53E-02	36	159.66
445	4.45	11.7	569.6	9	1.44E-06	2.29E-02	35	155.92
446	4.46	10.4	546.5	9	1.11E-06	1.63E-02	34	144.68
447	4.47	9.13	535.2	9	7.75E-07	1.02E-02	31	129.42
448	4.48	8.45	518	9	5.86E-07	7.03E-03	29	117.55
449	4.49	7.87	483.2	9	5.03E-07	5.62E-03	27	109.63
450	4.5	7.44	460	9	4.68E-07	4.98E-03	26	104.23
451	4.51	7.29	441.1	9	4.64E-07	4.81E-03	26	101.54
452	4.52	7.29	428.1	9	6.06E-07	6.58E-03	26	106.4
453	4.53	8.45	411.7	9	9.14E-07	1.09E-02	28	116.79
454	4.54	9.49	414	9	1.48E-06	1.99E-02	30	131.42
455	4.55	10.41	414	8	2.09E-06	5.02E-02	32	234.99
456	4.56	11.31	425.8	8	2.61E-06	6.42E-02	33	241.73
457	4.57	11.69	437.1	8	2.63E-06	6.59E-02	34	245.99
458	4.58	11.06	448.6	8	2.14E-06	5.38E-02	33	246.64
459	4.59	10.17	464.4	9	1.55E-06	2.26E-02	32	142.99
460	4.6	9.67	478.5	9	1.10E-06	1.49E-02	31	133.35
461	4.61	9	490.6	9	8.46E-07	1.09E-02	30	126.22
462	4.62	8.64	490.6	9	7.11E-07	8.80E-03	29	121.39
463	4.63	8.64	490.6	9	6.03E-07	6.84E-03	27	111.37
464	4.64	6.86	387.6	9	4.91E-07	5.04E-03	25	100.61
465	4.65	6.34	381.6	9	3.69E-07	3.31E-03	23	88.17
466	4.66	5.98	371.4	9	2.98E-07	2.50E-03	22	82.35
467	4.67	5.61	360.1	9	2.44E-07	1.93E-03	21	77.41
468	4.68	5.28	360.1	9	2.13E-07	1.58E-03	20	72.63
469	4.69	4.95	316.2	9	2.02E-07	1.43E-03	19	69.56
470	4.7	4.95	308.9	9	2.08E-07	1.44E-03	19	68.04
471	4.71	4.95	308.9	9	3.82E-07	3.08E-03	20	79.09
472	4.72	7.32	308.9	9	6.32E-07	5.80E-03	22	90.03
473	4.73	7.29	308.9	9	7.10E-07	7.32E-03	25	101.11
474	4.74	7.32	456	9	5.87E-07	6.27E-03	26	104.92
475	4.75	8.13	474.3	9	4.79E-07	5.32E-03	27	108.84
476	4.76	8.13	503.2	9	1.03E-06	1.43E-02	32	136.89
477	4.77	13.33	536.7	9	1.95E-06	5.49E-02	37	275.6
478	4.78	14.7	567.1	8	3.22E-06	9.77E-02	42	297.86
479	4.79	14.7	607.4	8	3.14E-06	9.88E-02	43	308.79
480	4.8	14.7	641.1	8	2.68E-06	8.68E-02	44	317.73
481	4.81	14.7	685.5	9	2.44E-06	8.07E-02	44	323.72

482	4.82	14.79	685.5	9	2.08E-06	6.99E-02	44	329.54
483	4.83	14.22	736.4	9	1.73E-06	3.44E-02	43	195.73
484	4.84	13.22	729.2	9	1.27E-06	2.35E-02	42	182.28
485	4.85	11.91	712.1	9	8.92E-07	1.50E-02	39	164.6
486	4.86	10.43	695.2	9	5.93E-07	8.85E-03	36	146.24
487	4.87	9.29	683.1	9	3.99E-07	5.26E-03	33	129.36
488	4.88	8.3	643.4	9	2.85E-07	3.37E-03	31	116.04
489	4.89	7.58	623.1	9	2.38E-07	2.62E-03	29	108.05
490	4.9	7.58	603.7	9	2.15E-07	2.26E-03	28	102.94
491	4.91	7.2	573.2	9	2.32E-07	2.42E-03	28	102.41
492	4.92	7.46	551	9	2.63E-07	2.78E-03	28	103.79
493	4.93	7.87	551	9	3.17E-07	3.44E-03	28	106.69
494	4.94	7.83	518.2	9	3.58E-07	3.98E-03	28	109
495	4.95	7.96	523.2	9	4.54E-07	5.33E-03	29	115.15
496	4.96	9.19	534.6	9	6.35E-07	8.28E-03	31	127.77
497	4.97	10.53	564.1	9	9.05E-07	1.32E-02	34	143.09
498	4.98	11.24	583.2	9	1.15E-06	1.83E-02	36	156.28
499	4.99	12.02	608.4	9	1.25E-06	2.08E-02	37	163.22
500	5	12.02	624.7	9	1.30E-06	2.22E-02	38	166.85
501	5.01	12.02	614.1	9	1.15E-06	1.91E-02	37	162.22
502	5.02	11.03	616.5	9	1.04E-06	1.67E-02	37	157.64
503	5.03	11.04	616.5	9	9.01E-07	1.39E-02	36	151.29
504	5.04	10.66	600	9	7.99E-07	1.19E-02	35	146.06
505	5.05	9.91	602.2	9	6.72E-07	9.55E-03	34	139.38
506	5.06	9.61	606.5	9	5.52E-07	7.46E-03	33	132.62
507	5.07	9.21	600.3	9	5.10E-07	6.74E-03	32	129.69
508	5.08	9.28	594.7	9	5.30E-07	7.01E-03	32	129.86
509	5.09	9.64	580.4	9	6.04E-07	8.18E-03	33	132.76
510	5.1	9.83	565.8	9	6.96E-07	9.61E-03	33	135.35
511	5.11	9.83	546.6	9	6.08E-07	7.95E-03	31	128.2
512	5.12	8.11	525	9	4.76E-07	5.72E-03	30	117.81
513	5.13	7.61	505.8	9	3.19E-07	3.38E-03	27	103.86
514	5.14	6.85	483.8	9	2.54E-07	2.48E-03	26	95.79
515	5.15	6.38	466.5	9	1.97E-07	1.77E-03	24	88.38
516	5.16	6.02	466.5	9	1.69E-07	1.43E-03	23	82.54
517	5.17	5.6	412.5	9	1.60E-07	1.27E-03	22	77.81
518	5.18	5.37	368.6	9	1.63E-07	1.22E-03	21	73.62
519	5.19	5.12	344.6	9	1.66E-07	1.18E-03	20	70.01
520	5.2	4.82	309.7	9	1.56E-07	1.04E-03	18	65.65
521	5.21	4.44	283.7	9	1.49E-07	9.36E-04	17	61.63
522	5.22	4.26	262.2	9	1.41E-07	8.36E-04	17	58.26
523	5.23	4.1	247.5	9	1.49E-07	8.63E-04	16	56.68
524	5.24	4.1	224.9	9	1.29E-07	6.87E-04	15	52.4
525	5.25	3.35	208.8	3	9.86E-08	4.71E-04	14	46.85

526	5.26	2.91	193.5	3	5.90E-08	2.38E-04	12	39.56
527	5.27	2.54	179.9	3	4.09E-08	1.45E-04	11	34.66
528	5.28	2.3	166.6	3	3.15E-08	9.79E-05	10	30.45
529	5.29	2.01	131.7	3	2.43E-08	6.54E-05	9	26.37
530	5.3	1.67	113.2	3	1.77E-08	4.02E-05	8	22.21
531	5.31	1.41	98.8	3	1.22E-08	2.34E-05	7	18.79
532	5.32	1.28	85.1	3	8.83E-09	1.45E-05	6	16.15
533	5.33	1.1	74	3	6.81E-09	9.80E-06	6	14.12
534	5.34	0.97	62.6	3	4.90E-09	6.10E-06	5	12.2
535	5.35	0.87	55.5	3	4.01E-09	4.40E-06	5	10.78
536	5.36	0.8	45	3	3.39E-09	3.29E-06	4	9.53
537	5.37	0.72	37.7	3	3.44E-09	2.79E-06	4	7.95
538	5.38	0.7	30.1	3	3.94E-09	2.85E-06	4	7.09
539	5.39	0.7	24.8	3	5.64E-09	3.97E-06	4	6.91
540	5.4	0.7	19.5	3	8.14E-09	5.73E-06	3	6.9
541	5.41	0.7	16.4	3	1.11E-08	7.74E-06	3	6.85
542	5.42	0.7	14.5	3	1.35E-08	9.26E-06	3	6.74
543	5.43	0.69	13.2	4	1.52E-08	1.02E-05	3	6.62
544	5.44	0.68	12.4	4	1.60E-08	1.05E-05	3	6.44
545	5.45	0.67	11.9	4	1.58E-08	1.01E-05	3	6.24
546	5.46	0.66	11.9	4	1.50E-08	9.21E-06	3	6.02
547	5.47	0.65	11.9	4	1.39E-08	8.24E-06	3	5.81
548	5.48	0.64	11.9	3	1.20E-08	6.96E-06	3	5.68
549	5.49	0.64	14.2	3	1.06E-08	6.14E-06	3	5.66
550	5.5	0.65	14.6	3	9.17E-09	5.45E-06	3	5.83
551	5.51	0.66	17.3	3	8.58E-09	5.45E-06	3	6.24
552	5.52	0.7	20.1	3	1.06E-08	8.11E-06	4	7.52
553	5.53	0.82	20.4	4	1.81E-08	1.87E-05	4	10.14
554	5.54	0.99	20.2	4	3.87E-08	4.90E-05	4	12.4
555	5.55	1.18	20.3	4	6.22E-08	8.93E-05	5	14.07
556	5.56	1.18	20.8	4	1.14E-07	1.92E-04	5	16.52
557	5.57	1.51	20.6	4	1.57E-07	2.86E-04	5	17.87
558	5.58	1.47	19.6	5	1.92E-07	3.62E-04	5	18.52
559	5.59	1.32	18.2	4	1.52E-07	2.61E-04	5	16.9
560	5.6	1.16	16.1	4	1.02E-07	1.54E-04	5	14.84
561	5.61	1.03	16.1	4	6.49E-08	8.59E-05	4	13
562	5.62	0.92	16.1	4	4.44E-08	5.20E-05	4	11.47
563	5.63	0.84	12.9	4	3.50E-08	3.53E-05	4	9.92
564	5.64	0.77	10.7	4	3.24E-08	2.69E-05	3	8.15
565	5.65	0.72	8.6	4	3.03E-08	2.16E-05	3	6.98
566	5.66	0.68	8	4	2.98E-08	1.90E-05	3	6.26
567	5.67	0.67	7.1	4	2.96E-08	1.76E-05	3	5.83
568	5.68	0.65	6.4	4	3.09E-08	1.76E-05	3	5.6
569	5.69	0.65	6.2	4	3.22E-08	1.80E-05	3	5.48

570	5.7	0.65	5.9	4	3.85E-08	2.29E-05	3	5.82
571	5.71	0.67	5.6	4	4.52E-08	2.84E-05	3	6.17
572	5.72	0.66	5.6	4	5.21E-08	3.48E-05	3	6.55
573	5.73	0.66	5.6	4	5.21E-08	3.49E-05	3	6.58
574	5.74	0.66	5.7	4	5.34E-08	3.59E-05	3	6.59
575	5.75	0.66	5.3	4	5.50E-08	3.70E-05	3	6.59
576	5.76	0.66	5.2	4	5.61E-08	3.75E-05	3	6.55
577	5.77	0.65	5.3	4	5.48E-08	3.66E-05	3	6.55
578	5.78	0.65	5.6	4	5.36E-08	3.60E-05	3	6.59
579	5.79	0.66	5.6	4	5.08E-08	3.45E-05	3	6.67
580	5.8	0.66	6.3	4	4.89E-08	3.38E-05	3	6.77
581	5.81	0.66	6.5	4	4.66E-08	3.24E-05	3	6.83
582	5.82	0.66	6.5	4	4.62E-08	3.23E-05	3	6.87
583	5.83	0.66	6.6	4	4.59E-08	3.21E-05	3	6.87
584	5.84	0.66	6.6	4	4.65E-08	3.27E-05	3	6.9
585	5.85	0.67	6.4	4	4.75E-08	3.36E-05	3	6.93
586	5.86	0.67	6.4	4	4.84E-08	3.43E-05	3	6.95
587	5.87	0.67	6.4	4	4.88E-08	3.45E-05	3	6.93
588	5.88	0.67	6.2	4	4.98E-08	3.50E-05	3	6.91
589	5.89	0.67	6	4	5.10E-08	3.56E-05	3	6.84
590	5.9	0.66	5.8	4	5.11E-08	3.53E-05	3	6.78
591	5.91	0.66	5.9	4	5.00E-08	3.42E-05	3	6.71
592	5.92	0.66	6	4	4.87E-08	3.32E-05	3	6.7
593	5.93	0.66	6.1	4	4.80E-08	3.28E-05	3	6.7
594	5.94	0.66	6.1	4	4.69E-08	3.19E-05	3	6.67
595	5.95	0.66	6.2	4	4.55E-08	3.07E-05	3	6.62
596	5.96	0.66	6.3	4	4.41E-08	2.95E-05	3	6.57
597	5.97	0.66	6.3	4	4.36E-08	2.90E-05	3	6.54
598	5.98	0.66	6.2	4	4.31E-08	2.85E-05	3	6.5
599	5.99	0.66	6.3	4	4.20E-08	2.76E-05	3	6.44
600	6	0.65	6.4	4	4.03E-08	2.62E-05	3	6.36
601	6.01	0.65	6.4	4	3.95E-08	2.53E-05	3	6.28
602	6.02	0.65	6.2	4	3.91E-08	2.47E-05	3	6.19
603	6.03	0.64	6.1	4	3.83E-08	2.38E-05	3	6.1
604	6.04	0.64	6.3	4	3.57E-08	2.18E-05	3	6
605	6.05	0.63	6.7	4	3.33E-08	2.01E-05	3	5.92
606	6.06	0.63	6.7	4	3.10E-08	1.86E-05	3	5.88
607	6.07	0.63	7.1	4	2.96E-08	1.76E-05	3	5.82
608	6.08	0.63	7.1	4	2.81E-08	1.65E-05	3	5.77
609	6.09	0.63	7.2	4	2.68E-08	1.55E-05	3	5.67
610	6.1	0.63	7.3	4	2.58E-08	1.48E-05	3	5.62
611	6.11	0.63	7.4	4	2.47E-08	1.41E-05	3	5.58
612	6.12	0.64	7.6	4	2.40E-08	1.37E-05	3	5.57
613	6.13	0.63	7.7	4	2.33E-08	1.32E-05	3	5.57

614	6.14	0.63	7.9	4	2.27E-08	1.29E-05	3	5.58
615	6.15	0.63	8	4	2.23E-08	1.28E-05	3	5.61
616	6.16	0.63	8.2	4	2.20E-08	1.27E-05	3	5.65
617	6.17	0.63	8.3	4	2.17E-08	1.25E-05	3	5.65
618	6.18	0.63	8.3	4	2.16E-08	1.24E-05	3	5.62
619	6.19	0.63	8.1	4	2.19E-08	1.26E-05	3	5.62
620	6.2	0.64	8	4	2.26E-08	1.31E-05	3	5.66
621	6.21	0.64	8	4	2.31E-08	1.35E-05	3	5.71
622	6.22	0.64	8	4	2.38E-08	1.40E-05	3	5.76
623	6.23	0.65	7.8	4	2.47E-08	1.46E-05	3	5.81
624	6.24	0.65	7.7	4	2.63E-08	1.59E-05	3	5.93
625	6.25	0.66	7.6	4	2.80E-08	1.72E-05	3	6.04
626	6.26	0.67	7.4	4	2.98E-08	1.87E-05	3	6.16
627	6.27	0.67	7.3	4	3.12E-08	1.97E-05	3	6.21
628	6.28	0.67	7.1	4	3.27E-08	2.09E-05	3	6.26
629	6.29	0.68	6.9	4	3.58E-08	2.30E-05	3	6.31
630	6.3	0.68	6.2	4	3.96E-08	2.59E-05	3	6.4
631	6.31	0.69	6	4	4.28E-08	2.81E-05	3	6.44
632	6.32	0.69	6	4	4.35E-08	2.87E-05	3	6.46
633	6.33	0.69	6	4	4.25E-08	2.77E-05	3	6.39
634	6.34	0.68	6	4	4.21E-08	2.72E-05	3	6.33
635	6.35	0.68	5.9	4	4.17E-08	2.67E-05	3	6.28
636	6.36	0.68	5.9	4	4.14E-08	2.66E-05	3	6.29
637	6.37	0.68	6.1	4	4.04E-08	2.55E-05	3	6.21
638	6.38	0.67	5.9	4	3.93E-08	2.45E-05	3	6.11
639	6.39	0.67	5.8	4	3.86E-08	2.37E-05	3	6.01
640	6.4	0.67	5.9	4	3.78E-08	2.31E-05	3	5.99
641	6.41	0.67	6.1	4	3.68E-08	2.25E-05	3	5.98
642	6.42	0.67	6.1	4	3.61E-08	2.20E-05	3	5.98
643	6.43	0.67	6.1	4	3.77E-08	2.26E-05	3	5.89
644	6.44	0.66	5.1	4	3.85E-08	2.27E-05	3	5.79
645	6.45	0.65	5.4	4	3.78E-08	2.18E-05	3	5.66
646	6.46	0.64	5.7	4	3.61E-08	2.06E-05	3	5.61
647	6.47	0.65	5.5	4	3.15E-08	1.79E-05	3	5.59
648	6.48	0.65	7.1	4	2.52E-08	1.46E-05	3	5.68
649	6.49	0.65	9.5	4	2.32E-08	1.48E-05	3	6.24
650	6.5	0.73	10.1	4	3.22E-08	2.54E-05	4	7.73
651	6.51	0.86	9.1	4	6.37E-08	7.01E-05	4	10.79
652	6.52	1.06	9.4	4	1.26E-07	1.79E-04	4	13.96
653	6.53	1.27	11	5	1.91E-07	3.14E-04	5	16.13
654	6.54	1.36	12.2	5	2.31E-07	4.13E-04	5	17.51
655	6.55	1.4	12.4	5	2.39E-07	4.35E-04	5	17.85
656	6.56	1.37	12	5	2.29E-07	4.12E-04	5	17.63
657	6.57	1.34	12	5	2.00E-07	3.47E-04	5	16.96

658	6.58	1.26	11.9	5	1.68E-07	2.78E-04	5	16.22
659	6.59	1.22	12	4	1.35E-07	2.11E-04	5	15.33
660	6.6	1.15	12	4	1.08E-07	1.60E-04	5	14.49
661	6.61	1.08	12	4	4.96E-08	6.95E-05	5	13.76
662	6.62	1.05	29.2	4	2.74E-08	3.77E-05	5	13.47
663	6.63	1.07	31.8	3	1.95E-08	2.76E-05	5	13.87
664	6.64	1.15	34.4	3	2.01E-08	2.94E-05	5	14.39
665	6.65	1.15	35.8	4	3.16E-08	5.30E-05	6	16.46
666	6.66	1.49	36.7	4	4.74E-08	8.91E-05	6	18.44
667	6.67	1.56	37.1	4	6.88E-08	1.43E-04	7	20.41
668	6.68	1.56	37.8	4	6.88E-08	1.45E-04	7	20.69
669	6.69	1.56	40.1	4	7.59E-08	1.68E-04	7	21.72
670	6.7	1.83	43.4	4	7.39E-08	1.67E-04	7	22.2
671	6.71	1.71	45.7	4	6.67E-08	1.51E-04	7	22.24
672	6.72	1.62	48.1	4	4.64E-08	9.88E-05	7	20.92
673	6.73	1.55	52.3	4	3.51E-08	7.21E-05	7	20.16
674	6.74	1.55	56.1	4	3.13E-08	6.40E-05	7	20.06
675	6.75	1.59	56.1	4	3.25E-08	6.83E-05	7	20.65
676	6.76	1.66	59.3	4	4.07E-08	9.06E-05	7	21.82
677	6.77	1.79	55.5	4	5.97E-08	1.44E-04	8	23.6
678	6.78	1.97	49.9	4	1.02E-07	2.67E-04	8	25.78
679	6.79	2.13	44	4	1.62E-07	4.61E-04	8	27.81
680	6.8	2.23	42.1	4	2.08E-07	6.21E-04	8	29.22
681	6.81	2.28	45.8	4	2.01E-07	6.05E-04	8	29.58
682	6.82	2.22	50.5	4	1.73E-07	5.20E-04	9	29.51
683	6.83	2.22	53.1	4	9.19E-08	2.45E-04	8	26.13
684	6.84	1.56	57.7	4	4.05E-08	8.98E-05	7	21.75
685	6.85	1.28	57.2	3	1.36E-08	2.31E-05	6	16.67
686	6.86	1.13	54.3	3	7.17E-09	1.04E-05	6	14.27
687	6.87	1.04	56.4	3	4.59E-09	6.05E-06	6	12.93
688	6.88	0.99	59	3	3.64E-09	4.64E-06	6	12.52
689	6.89	1.04	62.2	3	4.50E-09	6.14E-06	6	13.38
690	6.9	1.22	62.6	3	8.57E-09	1.37E-05	6	15.69
691	6.91	1.47	62.1	3	1.91E-08	3.70E-05	7	19.02
692	6.92	1.74	61.2	4	3.35E-08	7.46E-05	8	21.89
693	6.93	1.83	63	4	4.46E-08	1.08E-04	8	23.69
694	6.94	1.87	65.2	4	4.58E-08	1.13E-04	8	24.22
695	6.95	1.87	67.3	4	4.27E-08	1.06E-04	8	24.23
696	6.96	1.85	70.2	4	3.76E-08	9.21E-05	8	24.01
697	6.97	1.83	74.6	3	3.16E-08	7.63E-05	8	23.69
698	6.98	1.8	80.6	3	2.77E-08	6.62E-05	8	23.45
699	6.99	1.79	80.6	3	2.50E-08	5.96E-05	8	23.34
700	7	1.8	84.4	3	2.44E-08	5.80E-05	8	23.26
701	7.01	1.78	81.4	3	2.34E-08	5.48E-05	8	22.94

702	7.02	1.73	78.5	3	2.23E-08	5.09E-05	8	22.36
703	7.03	1.68	77.3	3	2.01E-08	4.42E-05	8	21.62
704	7.04	1.62	77.3	3	1.75E-08	3.73E-05	8	20.87
705	7.05	1.57	77.1	3	1.55E-08	3.19E-05	8	20.17
706	7.06	1.53	75.2	3	1.43E-08	2.88E-05	7	19.74
707	7.07	1.53	75.9	3	1.34E-08	2.65E-05	7	19.4
708	7.08	1.49	76.1	3	1.34E-08	2.68E-05	7	19.58
709	7.09	1.56	79.2	3	1.45E-08	2.99E-05	8	20.23
710	7.1	1.66	82.1	3	1.73E-08	3.79E-05	8	21.48
711	7.11	1.75	84.2	3	2.06E-08	4.80E-05	8	22.87
712	7.12	1.86	89.3	3	2.43E-08	6.05E-05	9	24.37
713	7.13	1.98	94.1	3	2.91E-08	7.77E-05	9	26.21
714	7.14	2.15	100.3	3	3.52E-08	1.01E-04	10	28.15
715	7.15	2.28	103.6	3	4.30E-08	1.32E-04	10	30.04
716	7.16	2.4	103.6	3	4.58E-08	1.49E-04	10	31.91
717	7.17	2.56	128.9	4	5.17E-08	1.81E-04	11	34.38
718	7.18	2.82	134.9	4	5.86E-08	2.22E-04	12	37.19
719	7.19	3.01	140	4	7.11E-08	2.88E-04	12	39.71
720	7.2	3.11	143.5	4	7.31E-08	3.03E-04	13	40.64
721	7.21	3.02	147.9	4	6.77E-08	2.79E-04	13	40.48
722	7.22	2.98	152.3	3	5.95E-08	2.42E-04	13	39.91
723	7.23	2.99	158.2	3	5.51E-08	2.23E-04	13	39.76
724	7.24	2.99	160.8	3	5.15E-08	2.08E-04	13	39.57
725	7.25	2.94	162.5	3	5.03E-08	2.05E-04	13	39.91
726	7.26	3.06	171.5	3	5.27E-08	2.20E-04	13	41.04
727	7.27	3.23	176.1	3	6.15E-08	2.72E-04	14	43.43
728	7.28	3.44	180.7	4	7.45E-08	3.50E-04	14	46.06
729	7.29	3.62	183.5	4	8.64E-08	4.26E-04	15	48.37
730	7.3	3.72	188.8	4	9.55E-08	4.90E-04	15	50.29
731	7.31	3.85	195.7	4	1.02E-07	5.33E-04	15	51.47
732	7.32	3.87	192	4	9.88E-08	5.15E-04	15	51.14
733	7.33	3.65	188.2	4	8.79E-08	4.40E-04	15	49.12
734	7.34	3.43	182.6	4	7.15E-08	3.31E-04	14	45.38
735	7.35	3.08	161	3	6.15E-08	2.62E-04	13	41.86
736	7.36	2.9	144.1	3	4.81E-08	1.85E-04	12	37.82
737	7.37	2.57	144.1	3	4.00E-08	1.38E-04	11	33.93
738	7.38	2.25	107.6	3	2.89E-08	8.64E-05	10	29.33
739	7.39	1.91	94.2	3	2.35E-08	6.03E-05	9	25.24
740	7.4	1.69	80.4	3	1.79E-08	3.99E-05	8	21.91
741	7.41	1.53	66.3	3	1.52E-08	3.01E-05	7	19.49
742	7.42	1.4	58	3	1.29E-08	2.27E-05	7	17.33
743	7.43	1.22	48.6	3	1.07E-08	1.69E-05	6	15.41
744	7.44	1.12	40.4	3	1.07E-08	1.54E-05	6	14.11
745	7.45	1.12	31.9	3	1.74E-08	2.61E-05	6	14.72

746	7.46	1.34	28.7	4	3.19E-08	5.21E-05	6	16.03
747	7.47	1.38	26	4	5.15E-08	9.15E-05	6	17.43
748	7.48	1.4	24.7	4	6.73E-08	1.22E-04	6	17.83
749	7.49	1.42	20.4	4	8.53E-08	1.56E-04	6	18
750	7.5	1.4	17.5	4	9.90E-08	1.83E-04	6	18.13
751	7.51	1.4	19.9	4	8.73E-08	1.63E-04	6	18.33
752	7.52	1.42	27	4	6.23E-08	1.18E-04	6	18.56
753	7.53	1.4	34.8	4	5.27E-08	1.05E-04	7	19.55
754	7.54	1.55	40.3	4	6.64E-08	1.48E-04	7	21.83
755	7.55	1.84	40.3	4	1.29E-07	3.68E-04	8	27.96
756	7.56	2.66	59.1	4	2.39E-07	8.43E-04	10	34.61
757	7.57	2.96	61.2	5	3.19E-07	1.30E-03	11	40.01
758	7.58	3.06	69.1	5	3.11E-07	1.31E-03	11	41.39
759	7.59	3.07	76	4	2.42E-07	1.01E-03	11	41.13
760	7.6	2.99	87.1	4	1.90E-07	7.77E-04	11	40.18
761	7.61	2.91	87.1	4	1.47E-07	5.76E-04	11	38.54
762	7.62	2.72	87.1	4	1.06E-07	4.02E-04	11	37.21
763	7.63	2.72	112	4	8.05E-08	3.05E-04	11	37.09
764	7.64	2.83	126.5	4	6.71E-08	2.60E-04	12	38.04
765	7.65	2.91	136	4	6.51E-08	2.61E-04	12	39.35
766	7.66	2.99	143.7	4	6.15E-08	2.50E-04	13	39.94
767	7.67	3	149.5	4	6.66E-08	2.82E-04	13	41.51
768	7.68	3.27	152.2	4	7.21E-08	3.14E-04	13	42.72
769	7.69	3.27	151.8	4	7.71E-08	3.45E-04	14	43.92
770	7.7	3.27	159.3	4	7.27E-08	3.24E-04	14	43.72
771	7.71	3.24	160.4	4	6.82E-08	3.02E-04	14	43.45
772	7.72	3.23	159.7	3	6.05E-08	2.59E-04	13	42.03
773	7.73	2.98	155	3	5.21E-08	2.12E-04	13	39.91
774	7.74	2.79	145.6	3	4.83E-08	1.88E-04	12	38.16
775	7.75	2.85	136	4	5.48E-08	2.12E-04	12	37.89
776	7.76	2.93	123.1	4	6.14E-08	2.35E-04	12	37.61
777	7.77	2.73	117.7	4	6.73E-08	2.55E-04	12	37.15
778	7.78	2.75	110.3	4	5.78E-08	2.07E-04	11	35.18
779	7.79	2.5	110.3	4	5.38E-08	1.80E-04	11	32.8
780	7.8	2.21	82.8	4	4.58E-08	1.39E-04	10	29.68
781	7.81	2.08	73.9	4	4.42E-08	1.23E-04	9	27.27
782	7.82	1.98	70.3	4	3.85E-08	1.02E-04	9	25.9
783	7.83	1.91	74	3	3.14E-08	7.97E-05	9	24.94
784	7.84	1.87	79.3	3	2.81E-08	7.13E-05	9	24.86
785	7.85	1.95	81.3	3	3.35E-08	8.98E-05	9	26.31
786	7.86	2.19	81	4	4.23E-08	1.21E-04	9	27.96
787	7.87	2.19	81	4	7.36E-08	2.38E-04	10	31.75
788	7.88	2.76	77.3	4	1.01E-07	3.48E-04	10	33.98
789	7.89	2.71	76.6	4	1.24E-07	4.54E-04	11	35.96

790	7.9	2.66	83.9	4	9.87E-08	3.55E-04	11	35.25
791	7.91	2.63	95.4	4	7.43E-08	2.64E-04	11	34.78
792	7.92	2.61	107.7	4	6.10E-08	2.16E-04	11	34.77
793	7.93	2.66	113.1	4	5.75E-08	2.06E-04	11	35.19
794	7.94	2.71	112.5	4	6.00E-08	2.19E-04	11	35.83
795	7.95	2.74	112.8	4	6.28E-08	2.34E-04	12	36.48
796	7.96	2.8	117.4	4	6.42E-08	2.43E-04	12	37.18
797	7.97	2.87	121.8	4	6.55E-08	2.55E-04	12	38.15
798	7.98	2.96	127.6	4	6.95E-08	2.80E-04	12	39.48
799	7.99	3.09	132.1	4	7.84E-08	3.29E-04	13	41.22
800	8	3.24	132.1	4	9.64E-08	4.27E-04	13	43.48
801	8.01	3.44	130	4	1.22E-07	5.69E-04	13	45.66
802	8.02	3.55	124.8	4	1.41E-07	6.72E-04	14	46.63
803	8.03	3.45	121	4	1.31E-07	6.10E-04	13	45.54
804	8.04	3.22	125.2	4	9.80E-08	4.28E-04	13	42.84
805	8.05	2.98	131.6	4	6.71E-08	2.73E-04	13	39.85
806	8.06	2.82	135.2	3	5.03E-08	1.94E-04	12	37.83
807	8.07	2.79	138.7	3	4.26E-08	1.60E-04	12	36.92
808	8.08	2.79	144.3	4	6.50E-08	2.76E-04	13	41.62
809	8.09	3.81	149.9	4	1.07E-07	5.22E-04	14	47.9
810	8.1	4.12	156.4	4	1.76E-07	9.92E-04	16	55.13
811	8.11	4.34	161.8	4	1.99E-07	1.17E-03	16	57.52
812	8.12	4.34	162.3	4	2.01E-07	1.19E-03	16	57.86
813	8.13	4.21	158.8	4	1.83E-07	1.05E-03	16	56.11
814	8.14	3.97	153.5	4	1.53E-07	8.27E-04	15	53.03
815	8.15	3.68	149.6	4	1.17E-07	5.83E-04	14	49
816	8.16	3.35	146.1	4	8.51E-08	3.89E-04	14	44.86
817	8.17	3.08	142	4	6.06E-08	2.53E-04	13	40.99
818	8.18	2.85	142	3	4.70E-08	1.81E-04	12	37.75
819	8.19	2.65	127.9	3	3.83E-08	1.37E-04	12	35.17
820	8.2	2.53	124.1	3	3.41E-08	1.16E-04	11	33.37
821	8.21	2.46	122.5	3	3.19E-08	1.06E-04	11	32.57
822	8.22	2.47	121.5	3	3.29E-08	1.10E-04	11	32.66
823	8.23	2.54	120	3	3.76E-08	1.30E-04	11	33.8
824	8.24	2.7	123.5	3	4.62E-08	1.70E-04	12	36.03
825	8.25	2.95	132	4	5.11E-08	1.97E-04	12	37.94
826	8.26	2.95	141.1	4	9.31E-08	4.31E-04	14	45.41
827	8.27	4.29	152	4	1.42E-07	7.53E-04	15	52.03
828	8.28	4.37	162	4	2.12E-07	1.28E-03	16	59.05
829	8.29	4.46	168.1	4	2.12E-07	1.30E-03	17	60.3
830	8.3	4.57	172.2	4	2.15E-07	1.34E-03	17	61.29
831	8.31	4.59	174.3	4	2.11E-07	1.31E-03	17	61.01
832	8.32	4.4	168	4	1.78E-07	1.06E-03	16	58.39
833	8.33	4.01	168	4	1.16E-07	6.36E-04	16	53.68

834	8.34	3.58	192.5	4	7.17E-08	3.61E-04	15	49.42
835	8.35	3.49	202.7	3	5.10E-08	2.46E-04	15	47.37
836	8.36	3.57	211.6	3	5.03E-08	2.48E-04	16	48.42
837	8.37	3.81	222.4	3	5.82E-08	3.05E-04	16	51.41
838	8.38	4.13	232.9	3	7.14E-08	4.03E-04	17	55.31
839	8.39	4.4	241.7	4	8.76E-08	5.29E-04	18	59.19
840	8.4	4.64	247	4	9.83E-08	6.17E-04	18	61.56
841	8.41	4.64	248.2	4	1.15E-07	7.49E-04	19	64.14
842	8.42	4.96	246.9	4	1.26E-07	8.37E-04	19	65.27
843	8.43	4.88	239.7	4	1.33E-07	8.87E-04	19	65.6
844	8.44	4.71	236.9	4	1.19E-07	7.64E-04	18	63.12
845	8.45	4.43	230.2	4	9.75E-08	5.90E-04	18	59.38
846	8.46	4.08	220.6	3	7.45E-08	4.14E-04	17	54.48
847	8.47	3.66	208.8	3	5.61E-08	2.82E-04	16	49.4
848	8.48	3.34	193	3	4.37E-08	2.00E-04	15	44.83
849	8.49	3.1	177	3	3.82E-08	1.62E-04	14	41.6
850	8.5	2.97	162.3	3	3.59E-08	1.46E-04	13	39.79
851	8.51	2.95	162.3	3	4.11E-08	1.67E-04	13	39.75
852	8.52	3.09	144.5	4	5.66E-08	2.40E-04	13	41.51
853	8.53	3.34	132	4	9.23E-08	4.19E-04	14	44.49
854	8.54	3.57	121.6	4	1.41E-07	6.85E-04	14	47.49
855	8.55	3.72	115.4	4	1.87E-07	9.44E-04	14	49.56
856	8.56	3.77	113.8	4	2.15E-07	1.10E-03	14	50.38
857	8.57	3.73	109.2	4	2.28E-07	1.16E-03	14	50.19
858	8.58	3.66	103	4	2.36E-07	1.20E-03	14	49.76
859	8.59	3.66	102.1	4	1.95E-07	9.35E-04	13	47.05
860	8.6	3.12	102.2	4	1.45E-07	6.47E-04	13	43.79
861	8.61	2.92	102.2	4	1.01E-07	4.12E-04	12	40.15
862	8.62	2.82	102.2	4	6.48E-08	2.55E-04	12	38.57
863	8.63	2.73	146.1	3	4.54E-08	1.75E-04	12	37.73
864	8.64	2.68	149.8	3	3.40E-08	1.31E-04	13	37.75
865	8.65	2.75	161.4	3	3.66E-08	1.48E-04	13	39.59
866	8.66	3.04	173.5	3	4.52E-08	1.98E-04	14	43
867	8.67	3.33	181.1	3	6.05E-08	2.90E-04	15	47.11
868	8.68	3.57	183.1	4	7.15E-08	3.63E-04	15	49.74
869	8.69	3.57	187.9	4	7.67E-08	3.98E-04	16	50.91
870	8.7	3.57	187.6	4	9.98E-08	5.56E-04	16	54.61
871	8.71	4.59	190.7	4	1.28E-07	7.56E-04	17	58.03
872	8.72	4.53	189	4	1.38E-07	8.35E-04	17	59.59
873	8.73	4.13	197.1	4	1.07E-07	6.21E-04	17	56.91
874	8.74	4.01	206	4	8.28E-08	4.62E-04	17	54.72
875	8.75	4.04	213.9	4	7.74E-08	4.31E-04	17	54.7
876	8.76	4.09	215.7	4	8.13E-08	4.62E-04	17	55.81
877	8.77	4.21	215.7	4	8.87E-08	5.12E-04	17	56.64

878	8.78	4.19	205.9	4	9.64E-08	5.57E-04	17	56.71
879	8.79	4.1	192.6	4	9.33E-08	5.22E-04	17	54.85
880	8.8	3.84	185.4	4	8.65E-08	4.62E-04	16	52.39
881	8.81	3.7	174.9	4	7.96E-08	4.09E-04	15	50.4
882	8.82	3.71	171.8	4	7.54E-08	3.76E-04	15	48.99
883	8.83	3.55	169.2	4	6.85E-08	3.32E-04	15	47.54
884	8.84	3.4	167	4	6.27E-08	2.94E-04	15	46.06
885	8.85	3.4	161.1	4	7.25E-08	3.47E-04	15	46.94
886	8.86	3.71	153.4	4	9.39E-08	4.68E-04	15	48.88
887	8.87	3.77	146.6	4	1.28E-07	6.68E-04	15	51.17
888	8.88	3.85	135.4	4	1.50E-07	7.88E-04	15	51.52
889	8.89	3.81	126.8	4	1.61E-07	8.35E-04	15	50.9
890	8.9	3.68	122.8	4	1.43E-07	7.06E-04	14	48.38
891	8.91	3.35	117.7	4	1.20E-07	5.61E-04	14	45.81
892	8.92	3.26	116.7	4	9.66E-08	4.27E-04	13	43.37
893	8.93	3.15	120.7	4	8.08E-08	3.46E-04	13	42.05
894	8.94	3.04	125.8	4	7.20E-08	3.04E-04	13	41.42
895	8.95	3.09	125.8	4	6.67E-08	2.85E-04	13	41.89
896	8.96	3.2	143.3	4	6.83E-08	3.03E-04	14	43.54
897	8.97	3.34	152.7	4	7.50E-08	3.52E-04	14	46.05
898	8.98	3.58	154.6	4	9.05E-08	4.50E-04	15	48.75
899	8.99	3.76	154.1	4	1.06E-07	5.58E-04	15	51.8
900	9	3.97	174.7	4	1.16E-07	6.48E-04	16	54.69
901	9.01	4.18	185.1	4	1.22E-07	7.10E-04	17	57.26
902	9.02	4.36	190.2	4	1.25E-07	7.46E-04	17	58.73
903	9.03	4.36	195.8	4	1.04E-07	6.00E-04	17	56.67
904	9.04	3.85	193.1	4	8.54E-08	4.73E-04	17	54.3
905	9.05	3.89	194.1	4	7.15E-08	3.81E-04	16	52.21
906	9.06	3.95	198.6	3	6.24E-08	3.26E-04	16	51.16
907	9.07	3.63	206.2	3	5.41E-08	2.75E-04	16	49.95
908	9.08	3.63	205.3	3	5.12E-08	2.59E-04	16	49.5
909	9.09	3.85	202.7	3	5.86E-08	3.03E-04	16	50.75
910	9.1	3.9	197.5	3	6.40E-08	3.34E-04	16	51.19
911	9.11	3.72	190.4	3	5.91E-08	3.00E-04	16	49.71
912	9.12	3.54	190.4	3	5.01E-08	2.37E-04	15	46.44
913	9.13	3.2	165.1	3	3.95E-08	1.70E-04	14	42.33
914	9.14	2.85	152.8	3	2.97E-08	1.15E-04	13	37.98
915	9.15	2.61	150.2	3	2.33E-08	8.25E-05	12	34.81
916	9.16	2.52	138.3	3	2.10E-08	7.00E-05	12	32.71
917	9.17	2.4	120.1	3	2.15E-08	6.84E-05	11	31.28
918	9.18	2.3	110.3	3	2.25E-08	6.90E-05	11	30.14
919	9.19	2.27	103.3	3	2.46E-08	7.41E-05	10	29.55
920	9.2	2.27	92.1	3	2.94E-08	8.84E-05	10	29.45
921	9.21	2.28	81.9	4	3.39E-08	9.93E-05	10	28.73

922	9.22	2.11	70.4	4	3.91E-08	1.11E-04	9	27.87
923	9.23	2.08	60	4	4.28E-08	1.17E-04	9	26.7
924	9.24	2.02	53.6	4	4.41E-08	1.14E-04	9	25.48
925	9.25	1.84	49.3	4	4.21E-08	1.04E-04	8	24.24
926	9.26	1.8	45.9	4	4.12E-08	9.74E-05	8	23.19
927	9.27	1.78	40.6	4	4.34E-08	1.00E-04	8	22.6
928	9.28	1.69	37.5	4	4.70E-08	1.06E-04	8	22.15
929	9.29	1.68	34.8	4	4.73E-08	1.04E-04	7	21.48
930	9.3	1.6	32	4	4.94E-08	1.07E-04	7	21.18
931	9.31	1.58	31.3	4	4.96E-08	1.06E-04	7	20.89
932	9.32	1.57	31.3	4	5.70E-08	1.23E-04	7	21.2
933	9.33	1.62	27.6	4	6.57E-08	1.46E-04	7	21.72
934	9.34	1.65	28.8	4	7.83E-08	1.82E-04	7	22.76
935	9.35	1.76	32.2	4	8.10E-08	1.96E-04	8	23.69
936	9.36	1.8	34.7	4	8.45E-08	2.12E-04	8	24.67
937	9.37	1.86	36	4	8.37E-08	2.14E-04	8	25.09
938	9.38	1.9	37	4	8.07E-08	2.06E-04	8	25.1
939	9.39	1.88	37	4	7.46E-08	1.89E-04	8	24.86
940	9.4	1.88	38.3	4	7.08E-08	1.80E-04	8	24.89
941	9.41	1.9	40.6	4	6.87E-08	1.77E-04	8	25.24
942	9.42	1.97	42.8	4	6.55E-08	1.70E-04	8	25.47
943	9.43	1.95	44.2	4	5.87E-08	1.51E-04	8	25.26
944	9.44	1.91	46	4	5.34E-08	1.36E-04	8	25.01
945	9.45	1.92	46.7	4	5.10E-08	1.31E-04	8	25.19
946	9.46	1.98	49.8	4	5.14E-08	1.35E-04	9	25.82
947	9.47	2.04	53.5	4	5.27E-08	1.44E-04	9	26.81
948	9.48	2.12	57.8	4	5.53E-08	1.58E-04	9	27.92
949	9.49	2.21	60.6	4	5.26E-08	1.52E-04	9	28.3
950	9.5	2.14	63.5	4	5.14E-08	1.50E-04	10	28.61
951	9.51	2.22	64.3	4	4.42E-08	1.28E-04	10	28.51
952	9.52	2.23	74.6	4	4.40E-08	1.30E-04	10	29.11
953	9.53	2.28	73.3	4	4.85E-08	1.50E-04	10	30.41
954	9.54	2.5	73.7	4	6.59E-08	2.21E-04	11	32.84
955	9.55	2.74	76.2	4	7.75E-08	2.72E-04	11	34.47
956	9.56	2.62	77.9	4	7.93E-08	2.87E-04	11	35.48
957	9.57	2.71	85.4	4	7.70E-08	2.84E-04	11	36.18
958	9.58	2.9	90	4	7.22E-08	2.69E-04	12	36.53
959	9.59	2.71	91.6	4	7.15E-08	2.70E-04	12	37
960	9.6	2.83	93.8	4	6.19E-08	2.29E-04	12	36.33
961	9.61	2.76	99.3	4	5.65E-08	2.08E-04	12	36.03
962	9.62	2.65	99.3	4	5.14E-08	1.86E-04	12	35.55
963	9.63	2.72	99.3	4	5.31E-08	1.92E-04	12	35.41
964	9.64	2.72	91.7	4	6.35E-08	2.39E-04	12	36.94
965	9.65	2.96	99	4	7.26E-08	2.88E-04	12	38.9

966	9.66	3.12	111.5	4	7.47E-08	3.16E-04	13	41.47
967	9.67	3.26	129.9	4	8.26E-08	3.76E-04	14	44.66
968	9.68	3.64	135.9	4	9.15E-08	4.48E-04	15	48.11
969	9.69	3.88	152	4	9.96E-08	5.17E-04	15	50.89
970	9.7	3.88	161.2	4	9.44E-08	5.00E-04	16	51.95
971	9.71	3.88	166.5	4	8.41E-08	4.41E-04	16	51.42
972	9.72	3.78	168.1	4	6.81E-08	3.42E-04	15	49.24
973	9.73	3.43	167.1	3	5.10E-08	2.40E-04	15	46.12
974	9.74	3.23	169.1	3	4.29E-08	1.94E-04	15	44.34
975	9.75	3.4	169.1	3	4.22E-08	1.89E-04	14	43.94
976	9.76	3.34	161.5	3	4.53E-08	2.04E-04	14	44.22
977	9.77	3.28	158.1	3	4.41E-08	1.94E-04	14	43.06
978	9.78	3.14	149.2	3	4.47E-08	1.90E-04	14	41.82
979	9.79	3.07	131.7	4	4.65E-08	1.92E-04	13	40.62
980	9.8	3.02	124.6	4	4.90E-08	1.99E-04	13	39.82
981	9.81	2.97	122.9	4	4.83E-08	1.92E-04	13	38.93
982	9.82	2.87	116.6	4	4.96E-08	1.94E-04	13	38.27
983	9.83	2.87	107	4	4.81E-08	1.81E-04	12	36.87
984	9.84	2.65	101.8	4	5.07E-08	1.87E-04	12	36.25
985	9.85	2.71	96.7	4	5.25E-08	1.92E-04	12	35.92
986	9.86	2.76	95.7	4	5.71E-08	2.11E-04	12	36.3
987	9.87	2.71	95.6	4	5.86E-08	2.20E-04	12	36.9
988	9.88	2.82	102.7	4	6.26E-08	2.43E-04	12	38.06
989	9.89	2.99	105	4	6.80E-08	2.73E-04	13	39.43
990	9.9	2.98	105.6	4	7.07E-08	2.88E-04	13	39.95
991	9.91	2.93	105.1	4	6.86E-08	2.79E-04	13	39.91
992	9.92	2.99	108.9	4	6.52E-08	2.63E-04	13	39.65
993	9.93	2.93	108.9	4	5.90E-08	2.42E-04	13	40.3
994	9.94	3.07	132.7	4	5.21E-08	2.17E-04	13	40.94
995	9.95	3.13	142.8	4	5.15E-08	2.26E-04	14	43.01
996	9.96	3.37	151.3	4	5.82E-08	2.70E-04	15	45.45
997	9.97	3.61	156.1	4	6.48E-08	3.16E-04	15	47.84
998	9.98	3.67	166.4	4	6.93E-08	3.50E-04	15	49.47
999	9.99	3.77	167.9	4	6.59E-08	3.32E-04	16	49.4
1000	10	3.64	166.1	4	6.69E-08	3.35E-04	15	49.12
1001	10.01	3.64	156.6	4	5.89E-08	2.78E-04	15	46.33
1002	10.02	3.2	140.5	4	5.37E-08	2.37E-04	14	43.25
1003	10.03	3	123.7	4	4.37E-08	1.73E-04	13	38.84
1004	10.04	2.71	107.9	3	3.52E-08	1.25E-04	12	34.81
1005	10.05	2.34	97.5	3	2.58E-08	8.03E-05	11	30.53
1006	10.06	2.08	85.6	3	1.77E-08	4.78E-05	10	26.44
1007	10.07	1.84	75.1	3	1.30E-08	3.06E-05	9	23.06
1008	10.08	1.61	64	3	9.89E-09	2.04E-05	8	20.2
1009	10.09	1.46	53.8	3	8.64E-09	1.60E-05	8	18.18

1010	10.1	1.4	45.7	3	9.19E-09	1.50E-05	7	16.02
1011	10.11	1.37	37.2	3	1.26E-08	1.96E-05	7	15.2
1012	10.12	1.36	25	4	1.76E-08	2.67E-05	6	14.92
1013	10.13	1.36	25	4	3.27E-08	4.94E-05	6	14.8
1014	10.14	1.35	9.1	4	5.44E-08	8.08E-05	6	14.57
1015	10.15	1.33	7.2	5	1.18E-07	1.72E-04	5	14.32
1016	10.16	1.33	6.2	5	1.43E-07	2.08E-04	5	14.29
1017	10.17	1.33	5.6	5	1.72E-07	2.56E-04	5	14.65
1018	10.18	1.35	5	5	2.06E-07	3.19E-04	5	15.25
1019	10.19	1.36	4.6	5	2.37E-07	3.84E-04	5	15.86
1020	10.2	1.37	4.6	5	2.55E-07	4.22E-04	5	16.24
1021	10.21	1.37	4.6	5	2.43E-07	3.92E-04	5	15.84
1022	10.22	1.28	4.6	5	2.25E-07	3.47E-04	5	15.15
1023	10.23	1.26	4.5	5	2.04E-07	2.98E-04	5	14.36
1024	10.24	1.23	4.5	5	1.93E-07	2.73E-04	5	13.91
1025	10.25	1.21	4.5	5	1.80E-07	2.47E-04	5	13.47
1026	10.26	1.19	4.6	5	1.70E-07	2.26E-04	5	13.03
1027	10.27	1.17	4.4	5	1.64E-07	2.13E-04	5	12.74
1028	10.28	1.16	4.4	5	1.60E-07	2.05E-04	5	12.58
1029	10.29	1.16	4.6	5	1.54E-07	1.97E-04	5	12.54
1030	10.3	1.15	4.8	5	1.49E-07	1.91E-04	5	12.57
1031	10.31	1.16	4.9	5	1.50E-07	1.95E-04	5	12.75
1032	10.32	1.17	4.9	5	1.60E-07	2.12E-04	5	13.04
1033	10.33	1.18	4.5	5	1.71E-07	2.31E-04	5	13.3
1034	10.34	1.19	4.5	5	1.82E-07	2.50E-04	5	13.45
1035	10.35	1.19	4.3	5	1.82E-07	2.51E-04	5	13.52
1036	10.36	1.19	4.6	5	1.80E-07	2.47E-04	5	13.48
1037	10.37	1.18	4.6	5	1.75E-07	2.39E-04	5	13.43
1038	10.38	1.18	4.6	5	1.75E-07	2.40E-04	5	13.41
1039	10.39	1.19	4.5	5	1.78E-07	2.45E-04	5	13.49
1040	10.4	1.19	4.5	5	1.81E-07	2.50E-04	5	13.51
1041	10.41	1.19	4.4	5	1.80E-07	2.48E-04	5	13.48
1042	10.42	1.19	4.5	5	1.61E-07	2.10E-04	5	12.76
1043	10.43	1.11	4.6	5	1.39E-07	1.69E-04	5	11.92
1044	10.44	1.08	4.6	5	1.18E-07	1.32E-04	5	10.95
1045	10.45	1.06	4.5	5	1.11E-07	1.19E-04	5	10.55
1046	10.46	1.05	4.5	5	1.05E-07	1.10E-04	5	10.29
1047	10.47	1.04	4.6	4	1.02E-07	1.06E-04	5	10.2
1048	10.48	1.04	4.7	4	1.01E-07	1.05E-04	5	10.21
1049	10.49	1.05	4.6	4	1.03E-07	1.08E-04	5	10.29
1050	10.5	1.05	4.5	5	1.06E-07	1.13E-04	5	10.41
1051	10.51	1.06	4.6	5	1.10E-07	1.18E-04	5	10.55
1052	10.52	1.07	4.5	5	1.11E-07	1.20E-04	5	10.64
1053	10.53	1.07	4.6	5	1.14E-07	1.25E-04	5	10.73

1054	10.54	1.07	4.4	5	1.16E-07	1.27E-04	5	10.76
1055	10.55	1.07	4.4	5	1.16E-07	1.27E-04	5	10.74
1056	10.56	1.07	4.5	5	1.13E-07	1.22E-04	5	10.66
1057	10.57	1.07	4.6	5	1.07E-07	1.14E-04	5	10.47
1058	10.58	1.05	4.6	4	1.03E-07	1.09E-04	5	10.33
1059	10.59	1.05	4.6	4	1.01E-07	1.05E-04	5	10.19
1060	10.6	1.05	4.6	4	1.01E-07	1.05E-04	5	10.2
1061	10.61	1.05	4.6	4	1.02E-07	1.06E-04	5	10.25
1062	10.62	1.06	4.6	4	1.02E-07	1.07E-04	5	10.27
1063	10.63	1.05	4.6	5	1.06E-07	1.09E-04	5	10.15
1064	10.64	1.04	3.8	5	1.08E-07	1.10E-04	5	9.94
1065	10.65	1.03	3.8	5	1.11E-07	1.10E-04	5	9.78
1066	10.66	1.03	3.9	5	1.08E-07	1.07E-04	5	9.7
1067	10.67	1.02	3.9	5	1.07E-07	1.06E-04	5	9.7
1068	10.68	1.03	3.9	5	1.07E-07	1.06E-04	5	9.7
1069	10.69	1.03	3.9	5	1.07E-07	1.06E-04	5	9.71
1070	10.7	1.03	3.9	5	1.08E-07	1.07E-04	5	9.7
1071	10.71	1.03	3.8	5	1.21E-07	1.26E-04	5	10.25
1072	10.72	1.13	3.8	5	1.30E-07	1.41E-04	5	10.63
1073	10.73	1.1	3.8	5	1.36E-07	1.50E-04	5	10.85
1074	10.74	1.07	3.8	5	1.27E-07	1.35E-04	5	10.48
1075	10.75	1.06	3.8	5	1.22E-07	1.28E-04	5	10.29
1076	10.76	1.06	3.8	5	1.22E-07	1.28E-04	5	10.25
1077	10.77	1.06	3.7	5	1.24E-07	1.29E-04	5	10.24
1078	10.78	1.06	3.6	5	1.26E-07	1.32E-04	5	10.24
1079	10.79	1.06	3.6	5	1.29E-07	1.35E-04	5	10.29
1080	10.8	1.07	3.5	5	1.30E-07	1.37E-04	5	10.29
1081	10.81	1.06	3.5	5	1.31E-07	1.37E-04	5	10.28
1082	10.82	1.06	3.5	5	1.29E-07	1.35E-04	5	10.22
1083	10.83	1.06	3.5	5	1.27E-07	1.32E-04	5	10.14
1084	10.84	1.05	3.5	5	1.24E-07	1.26E-04	5	10
1085	10.85	1.04	3.5	5	1.18E-07	1.18E-04	5	9.76
1086	10.86	1.03	3.5	5	1.13E-07	1.09E-04	5	9.52
1087	10.87	1.02	3.5	5	1.08E-07	1.03E-04	5	9.32
1088	10.88	1.01	3.5	5	1.05E-07	9.85E-05	5	9.19
1089	10.89	1.01	3.5	5	1.03E-07	9.60E-05	5	9.14
1090	10.9	1.01	3.6	5	1.03E-07	9.67E-05	5	9.22
1091	10.91	1.02	3.7	5	1.05E-07	1.01E-04	5	9.42
1092	10.92	1.04	3.7	5	1.07E-07	1.06E-04	5	9.72
1093	10.93	1.05	4.1	5	1.10E-07	1.12E-04	5	10.01
1094	10.94	1.07	4.1	5	1.13E-07	1.18E-04	5	10.24
1095	10.95	1.07	3.9	5	1.20E-07	1.28E-04	5	10.44
1096	10.96	1.08	3.8	5	1.25E-07	1.34E-04	5	10.51
1097	10.97	1.08	3.7	5	1.24E-07	1.33E-04	5	10.47

1098	10.98	1.07	3.9	5	1.16E-07	1.23E-04	5	10.38
1099	10.99	1.07	4.4	4	1.01E-07	1.07E-04	5	10.31
1100	11	1.07	5.3	4	8.52E-08	9.19E-05	5	10.57
1101	11.01	1.11	7.1	4	6.94E-08	7.84E-05	5	11.09
1102	11.02	1.15	9.4	4	5.93E-08	7.22E-05	6	11.94
1103	11.03	1.2	11.3	4	5.31E-08	6.95E-05	6	12.83
1104	11.04	1.24	13	4	5.30E-08	7.43E-05	6	13.75
1105	11.05	1.28	13.1	4	5.38E-08	7.91E-05	6	14.43
1106	11.06	1.3	13.6	4	5.43E-08	8.22E-05	6	14.85
1107	11.07	1.31	14.4	4	5.11E-08	7.83E-05	6	15.05
1108	11.08	1.32	15.7	4	4.66E-08	7.21E-05	6	15.17
1109	11.09	1.32	16.9	4	4.12E-08	6.35E-05	6	15.11
1110	11.1	1.31	18.2	4	3.60E-08	5.45E-05	6	14.84
1111	11.11	1.29	19	4	3.24E-08	4.84E-05	6	14.66
1112	11.12	1.29	19.8	4	3.08E-08	4.61E-05	6	14.67
1113	11.13	1.3	20.1	4	3.06E-08	4.61E-05	6	14.81
1114	11.14	1.31	20.1	4	3.17E-08	4.78E-05	6	14.79
1115	11.15	1.3	18.3	4	3.34E-08	5.00E-05	6	14.69
1116	11.16	1.3	17.6	4	3.60E-08	5.36E-05	6	14.61
1117	11.17	1.3	17	4	3.63E-08	5.34E-05	6	14.41
1118	11.18	1.28	17	4	3.55E-08	5.07E-05	6	14.03
1119	11.19	1.26	16.5	4	3.38E-08	4.64E-05	6	13.45
1120	11.2	1.23	15.7	4	3.28E-08	4.27E-05	6	12.77
1121	11.21	1.19	14.4	4	3.38E-08	4.23E-05	6	12.27
1122	11.22	1.19	13.1	4	3.24E-08	3.73E-05	6	11.29
1123	11.23	1.09	12	4	3.23E-08	3.47E-05	6	10.55
1124	11.24	1.07	10.8	4	3.17E-08	3.16E-05	5	9.8
1125	11.25	1.06	9.8	4	3.55E-08	3.50E-05	5	9.66
1126	11.26	1.06	8.7	4	4.01E-08	3.91E-05	5	9.58
1127	11.27	1.05	7.9	4	4.64E-08	4.56E-05	5	9.64
1128	11.28	1.06	7.1	4	5.39E-08	5.34E-05	5	9.73
1129	11.29	1.06	6.3	4	6.37E-08	6.38E-05	5	9.83
1130	11.3	1.07	5.4	4	7.41E-08	7.47E-05	5	9.89
1131	11.31	1.07	4.9	4	8.84E-08	9.20E-05	5	10.21
1132	11.32	1.12	4.6	5	1.06E-07	1.16E-04	5	10.66
1133	11.33	1.14	4	5	1.26E-07	1.43E-04	5	11.15
1134	11.34	1.15	3.8	5	1.37E-07	1.60E-04	5	11.45
1135	11.35	1.16	4.1	5	1.29E-07	1.54E-04	5	11.67
1136	11.36	1.17	5.3	5	1.22E-07	1.49E-04	5	11.97
1137	11.37	1.18	5.3	4	8.07E-08	1.03E-04	6	12.47
1138	11.38	1.22	12.3	4	5.84E-08	7.93E-05	6	13.31
1139	11.39	1.28	15.1	4	4.21E-08	6.20E-05	6	14.44
1140	11.4	1.34	19.1	4	3.72E-08	6.06E-05	7	15.98
1141	11.41	1.43	23.9	4	3.37E-08	6.18E-05	7	17.96

1142	11.42	1.54	29.1	4	3.18E-08	6.57E-05	7	20.29
1143	11.43	1.63	34.5	4	2.97E-08	6.49E-05	8	21.47
1144	11.44	1.69	39.6	4	2.63E-08	5.92E-05	8	22.08
1145	11.45	1.69	44.2	4	2.30E-08	5.26E-05	8	22.46
1146	11.46	1.71	48.9	3	2.01E-08	4.68E-05	9	22.83
1147	11.47	1.75	55.1	3	1.80E-08	4.27E-05	9	23.32
1148	11.48	1.77	61.4	3	1.60E-08	3.88E-05	9	23.74
1149	11.49	1.79	66.4	3	1.46E-08	3.59E-05	9	24.1
1150	11.5	1.83	70.7	3	1.40E-08	3.51E-05	10	24.53
1151	11.51	1.88	73.7	3	1.41E-08	3.61E-05	10	25.07
1152	11.52	1.92	75.9	3	1.49E-08	3.92E-05	10	25.74
1153	11.53	1.98	77	3	1.60E-08	4.30E-05	10	26.38
1154	11.54	2.02	78	3	1.69E-08	4.64E-05	10	26.94
1155	11.55	2.05	79.6	3	1.74E-08	4.83E-05	10	27.29
1156	11.56	2.06	80.4	3	1.75E-08	4.91E-05	10	27.49
1157	11.57	2.07	80.6	3	1.76E-08	4.95E-05	10	27.58
1158	11.58	2.09	80.6	3	1.79E-08	5.02E-05	10	27.48
1159	11.59	2.06	75.9	3	1.77E-08	4.88E-05	10	27.01
1160	11.6	2	72.8	3	1.63E-08	4.33E-05	10	26.09
1161	11.61	1.89	72.8	3	1.36E-08	3.45E-05	10	24.87
1162	11.62	1.79	72.8	3	1.00E-08	2.40E-05	9	23.46
1163	11.63	1.67	78.8	3	7.46E-09	1.66E-05	9	21.87
1164	11.64	1.52	72.2	3	5.65E-09	1.12E-05	9	19.47
1165	11.65	1.41	65.6	3	5.25E-09	9.28E-06	8	17.33
1166	11.66	1.41	59.7	3	5.15E-09	8.24E-06	8	15.7
1167	11.67	1.3	53.3	3	5.71E-09	8.74E-06	8	15.02
1168	11.68	1.3	47.6	3	6.42E-09	9.40E-06	8	14.35
1169	11.69	1.3	42	3	7.93E-09	1.16E-05	7	14.37
1170	11.7	1.3	37.7	3	1.18E-08	1.89E-05	7	15.73
1171	11.71	1.51	33.9	3	1.63E-08	2.82E-05	7	17
1172	11.72	1.48	31.9	4	2.10E-08	3.97E-05	8	18.56
1173	11.73	1.5	33.6	4	2.07E-08	4.02E-05	8	19.05
1174	11.74	1.54	38	4	1.96E-08	4.08E-05	8	20.37
1175	11.75	1.61	44.2	3	1.83E-08	4.05E-05	8	21.68
1176	11.76	1.68	51.4	3	1.72E-08	4.00E-05	9	22.77
1177	11.77	1.76	59.4	3	1.70E-08	4.20E-05	9	24.17
1178	11.78	1.91	67.9	3	1.93E-08	5.09E-05	10	25.87
1179	11.79	2.07	67.9	3	1.99E-08	5.68E-05	10	28.04
1180	11.8	2.28	94.1	3	2.13E-08	6.61E-05	11	30.4
1181	11.81	2.49	102.8	3	2.16E-08	7.18E-05	12	32.65
1182	11.82	2.62	110.3	3	2.28E-08	7.98E-05	12	34.28
1183	11.83	2.68	117.8	3	2.25E-08	8.03E-05	13	35.09
1184	11.84	2.69	122.2	3	2.09E-08	7.49E-05	13	35.14
1185	11.85	2.65	123.6	3	1.95E-08	6.90E-05	13	34.78

1186	11.86	2.6	122.4	3	1.87E-08	6.56E-05	13	34.39
1187	11.87	2.6	119.9	3	1.73E-08	5.89E-05	12	33.48
1188	11.88	2.43	117.2	3	1.54E-08	5.07E-05	12	32.3
1189	11.89	2.33	114.7	3	1.28E-08	4.00E-05	12	30.63
1190	11.9	2.22	112.3	3	1.12E-08	3.34E-05	11	29.35
1191	11.91	2.14	108.9	3	1.02E-08	2.93E-05	11	28.29
1192	11.92	2.09	104.2	3	9.92E-09	2.79E-05	11	27.61
1193	11.93	2.05	99.2	3	1.02E-08	2.83E-05	11	27.22
1194	11.94	2.04	95.1	3	1.07E-08	2.93E-05	11	26.94
1195	11.95	2.02	90.7	3	1.08E-08	2.92E-05	10	26.47
1196	11.96	1.96	86.7	3	9.91E-09	2.58E-05	10	25.59
1197	11.97	1.85	86.7	3	9.22E-09	2.30E-05	10	24.48
1198	11.98	1.77	75	3	8.68E-09	2.08E-05	10	23.46
1199	11.99	1.72	71.3	3	9.08E-09	2.11E-05	9	22.82
1200	12	1.69	67.6	3	9.33E-09	2.14E-05	9	22.46
1201	12.01	1.66	64.5	3	9.59E-09	2.17E-05	9	22.23
1202	12.02	1.64	63.4	3	9.74E-09	2.19E-05	9	22.03
1203	12.03	1.62	62	3	1.01E-08	2.27E-05	9	22.03
1204	12.04	1.64	60.6	3	1.06E-08	2.38E-05	9	22.1
1205	12.05	1.64	60.1	3	1.45E-08	3.49E-05	9	23.7
1206	12.06	1.96	60.3	3	2.19E-08	5.83E-05	10	26.13
1207	12.07	2.18	60.9	4	3.51E-08	1.05E-04	10	29.3
1208	12.08	2.37	62.2	4	4.49E-08	1.43E-04	11	31.3
1209	12.09	2.46	63.7	4	4.86E-08	1.60E-04	11	32.22
1210	12.1	2.45	65.3	4	4.39E-08	1.43E-04	11	31.93
1211	12.11	2.35	68.6	4	3.37E-08	1.05E-04	11	30.61
1212	12.12	2.19	72	3	2.38E-08	6.97E-05	10	28.73
1213	12.13	2.02	73.2	3	1.75E-08	4.81E-05	10	26.94
1214	12.14	1.92	71.5	3	1.57E-08	4.16E-05	10	26.05
1215	12.15	1.95	68.3	3	1.71E-08	4.60E-05	10	26.34
1216	12.16	2.04	68.3	3	2.10E-08	5.89E-05	10	27.53
1217	12.17	2.16	70	4	2.53E-08	7.45E-05	10	28.93
1218	12.18	2.26	71.3	4	2.92E-08	8.98E-05	11	30.17
1219	12.19	2.35	72.1	4	3.04E-08	9.51E-05	11	30.72
1220	12.2	2.33	74.2	4	2.73E-08	8.44E-05	11	30.31
1221	12.21	2.21	76.5	3	2.12E-08	6.26E-05	11	28.89
1222	12.22	2.05	77	3	1.62E-08	4.47E-05	10	27.09
1223	12.23	1.91	73.1	3	1.35E-08	3.55E-05	10	25.84
1224	12.24	1.91	74	3	1.59E-08	4.33E-05	10	26.81
1225	12.25	2.19	76.2	3	2.30E-08	6.94E-05	11	29.56
1226	12.26	2.46	78.6	4	3.73E-08	1.28E-04	12	33.67
1227	12.27	2.79	83.8	4	5.48E-08	2.09E-04	12	37.39
1228	12.28	3.08	84.6	4	7.01E-08	2.88E-04	13	40.37
1229	12.29	3.22	89.6	4	7.38E-08	3.14E-04	13	41.7

1230	12.3	3.17	95.5	4	6.65E-08	2.81E-04	13	41.47
1231	12.31	3.08	95.5	4	6.08E-08	2.53E-04	13	40.77
1232	12.32	3.07	91.5	4	6.59E-08	2.77E-04	13	41.25
1233	12.33	3.25	91	4	8.13E-08	3.58E-04	14	43.22
1234	12.34	3.46	94.3	4	1.04E-07	4.86E-04	14	46.04
1235	12.35	3.63	95.9	4	1.34E-07	6.67E-04	15	49
1236	12.36	3.9	93	4	1.71E-07	8.97E-04	15	51.6
1237	12.37	4.08	91.3	4	2.16E-07	1.18E-03	15	53.69
1238	12.38	4.16	86.8	5	2.53E-07	1.41E-03	15	54.73
1239	12.39	4.16	82.3	5	2.63E-07	1.44E-03	15	53.66
1240	12.4	3.87	75.3	5	2.53E-07	1.33E-03	14	51.68
1241	12.41	3.74	71.2	4	2.20E-07	1.10E-03	14	49.09
1242	12.42	3.61	72.3	4	1.88E-07	9.05E-04	14	47.2
1243	12.43	3.46	73.5	4	1.47E-07	6.76E-04	13	45.11
1244	12.44	3.29	76.7	4	1.09E-07	4.72E-04	13	42.55
1245	12.45	3.06	77.9	4	7.76E-08	3.14E-04	13	39.66
1246	12.46	2.84	77.1	4	5.41E-08	2.01E-04	12	36.54
1247	12.47	2.62	77.1	4	3.85E-08	1.32E-04	12	33.66
1248	12.48	2.43	75.7	4	2.84E-08	9.01E-05	11	31.17
1249	12.49	2.28	73.4	3	2.22E-08	6.62E-05	11	29.19
1250	12.5	2.16	72.1	3	1.97E-08	5.64E-05	10	28.08
1251	12.51	2.14	70.2	3	1.96E-08	5.56E-05	10	27.84
1252	12.52	2.17	69.5	3	2.13E-08	6.13E-05	10	28.19
1253	12.53	2.18	68.6	3	2.19E-08	6.35E-05	11	28.49
1254	12.54	2.17	72.4	3	2.14E-08	6.22E-05	11	28.57
1255	12.55	2.17	73.3	3	2.38E-08	7.16E-05	11	29.59
1256	12.56	2.44	73.5	4	2.73E-08	8.52E-05	11	30.56
1257	12.57	2.43	72.1	4	3.03E-08	9.59E-05	11	31.08
1258	12.58	2.33	69.8	4	2.83E-08	8.73E-05	11	30.21
1259	12.59	2.26	67.1	4	2.51E-08	7.46E-05	11	29.14
1260	12.6	2.19	67.9	3	2.22E-08	6.37E-05	10	28.13
1261	12.61	2.11	66.3	3	1.91E-08	5.28E-05	10	27.12
1262	12.62	2.01	66.3	3	1.80E-08	4.89E-05	10	26.68
1263	12.63	2.05	66.3	3	1.85E-08	5.15E-05	10	27.23
1264	12.64	2.19	72.4	3	2.03E-08	5.81E-05	10	28.03
1265	12.65	2.21	69.8	3	1.97E-08	5.62E-05	10	28.02
1266	12.66	2.1	69.4	3	1.62E-08	4.39E-05	10	26.64
1267	12.67	1.93	69.8	3	1.14E-08	2.85E-05	10	24.51
1268	12.68	1.74	68.6	3	7.72E-09	1.71E-05	9	21.78
1269	12.69	1.58	68	3	5.90E-09	1.14E-05	9	19.01
1270	12.7	1.58	67.5	3	5.22E-09	9.52E-06	9	17.88
1271	12.71	1.58	67.5	3	6.20E-09	1.23E-05	9	19.44
1272	12.72	1.8	68.8	3	6.97E-09	1.49E-05	9	20.92
1273	12.73	1.76	71.8	3	8.03E-09	1.88E-05	10	22.91

1274	12.74	1.79	73.3	3	8.65E-09	2.09E-05	10	23.65
1275	12.75	1.91	75.4	3	1.10E-08	2.82E-05	10	25.22
1276	12.76	2.09	75.7	3	1.44E-08	3.98E-05	10	27.12
1277	12.77	2.22	77.8	3	1.83E-08	5.40E-05	11	28.91
1278	12.78	2.33	79.3	3	2.04E-08	6.23E-05	11	29.94
1279	12.79	2.33	80.9	3	2.29E-08	7.23E-05	11	31.02
1280	12.8	2.48	82.4	3	2.58E-08	8.48E-05	12	32.24
1281	12.81	2.61	85	4	3.21E-08	1.12E-04	12	34.13
1282	12.82	2.76	84.8	4	4.20E-08	1.55E-04	12	36.2
1283	12.83	2.95	80.5	4	5.89E-08	2.30E-04	13	38.24
1284	12.84	3.09	72.3	4	8.36E-08	3.38E-04	13	39.7
1285	12.85	3.12	62.7	4	1.09E-07	4.51E-04	12	40.4
1286	12.86	3.13	59.3	4	1.26E-07	5.19E-04	12	40.52
1287	12.87	3.13	59.4	4	1.34E-07	5.51E-04	12	40.47
1288	12.88	3.11	56.1	4	1.32E-07	5.38E-04	12	40.04
1289	12.89	3.04	56.1	4	1.18E-07	4.66E-04	12	38.69
1290	12.9	2.84	55.6	4	8.89E-08	3.27E-04	11	36.11
1291	12.91	2.56	54.5	4	5.89E-08	1.95E-04	11	32.49
1292	12.92	2.27	51.8	4	3.54E-08	1.03E-04	10	28.39
1293	12.93	1.96	48.7	4	2.07E-08	5.17E-05	9	24.49
1294	12.94	1.71	45.9	3	1.22E-08	2.40E-05	9	19.21
1295	12.95	1.51	43.8	3	8.82E-09	1.41E-05	8	15.67
1296	12.96	1.45	40.7	3	7.82E-09	1.13E-05	8	14.15
1297	12.97	1.45	38.9	3	9.91E-09	1.52E-05	8	15.1
1298	12.98	1.58	37	3	1.29E-08	2.17E-05	8	16.56
1299	12.99	1.62	36.3	4	1.69E-08	3.13E-05	8	18.22
1300	13	1.64	34.4	4	1.84E-08	3.43E-05	8	18.27
1301	13.01	1.6	32	4	1.85E-08	3.32E-05	8	17.62
1302	13.02	1.54	31.5	4	1.82E-08	3.16E-05	8	17
1303	13.03	1.55	30.9	4	1.84E-08	3.18E-05	8	16.91
1304	13.04	1.57	30.6	4	2.12E-08	3.83E-05	8	17.76
1305	13.05	1.64	29.6	4	2.59E-08	5.03E-05	8	19.09
1306	13.06	1.73	28.2	4	3.16E-08	6.52E-05	8	20.26
1307	13.07	1.76	26.7	4	3.26E-08	6.66E-05	8	20.03
1308	13.08	1.67	26.7	4	2.91E-08	5.30E-05	8	17.91
1309	13.09	1.52	22.3	4	2.16E-08	3.23E-05	7	14.64
1310	13.1	1.35	20.8	4	1.53E-08	1.79E-05	7	11.43
1311	13.11	1.2	19.4	3	9.91E-09	8.84E-06	6	8.75
1312	13.12	1.06	17.6	3	6.64E-09	4.59E-06	6	6.78
1313	13.13	0.96	16.1	3	4.85E-09	2.70E-06	6	5.47
1314	13.14	0.91	14.9	3	4.07E-09	1.95E-06	5	4.69
1315	13.15	0.87	13.3	3	4.07E-09	1.80E-06	5	4.34
1316	13.16	0.87	11.5	3	4.18E-09	1.69E-06	5	3.96
1317	13.17	0.8	9.3	3	4.58E-09	1.70E-06	5	3.65

1318	13.18	0.78	7.6	3	4.78E-09	1.61E-06	5	3.3
1319	13.19	0.77	6.7	3	5.14E-09	1.65E-06	5	3.14
1320	13.2	0.76	6.3	3	5.14E-09	1.57E-06	5	2.99
1321	13.21	0.75	6.1	3	5.03E-09	1.48E-06	4	2.9
1322	13.22	0.75	6	3	4.89E-09	1.41E-06	4	2.84
1323	13.23	0.75	6.1	3	4.59E-09	1.29E-06	4	2.76
1324	13.24	0.73	6.2	3	4.18E-09	1.14E-06	4	2.67
1325	13.25	0.72	6.4	3	3.86E-09	1.02E-06	4	2.59
1326	13.26	0.72	6.4	3	3.80E-09	1.01E-06	4	2.61
1327	13.27	0.73	6.6	3	4.19E-09	1.16E-06	4	2.72
1328	13.28	0.75	6.2	3	4.81E-09	1.41E-06	5	2.88
1329	13.29	0.77	6	3	5.55E-09	1.70E-06	5	3.01
1330	13.3	0.77	5.8	3	5.90E-09	1.85E-06	5	3.08
1331	13.31	0.77	6	3	5.88E-09	1.86E-06	5	3.11
1332	13.32	0.77	6.3	3	5.67E-09	1.81E-06	5	3.14
1333	13.33	0.77	6.6	3	5.14E-09	1.65E-06	5	3.14
1334	13.34	0.77	7.6	3	4.91E-09	1.65E-06	5	3.3
1335	13.35	0.81	8.8	3	5.23E-09	1.93E-06	5	3.62
1336	13.36	0.86	8.8	3	6.03E-09	2.55E-06	5	4.14
1337	13.37	0.91	10.2	3	7.06E-09	3.46E-06	5	4.81
1338	13.38	0.98	12	3	8.06E-09	4.76E-06	6	5.79
1339	13.39	1.08	14.8	3	9.59E-09	6.96E-06	6	7.12
1340	13.4	1.18	17.3	4	1.23E-08	1.09E-05	6	8.7
1341	13.41	1.28	17.2	4	1.62E-08	1.72E-05	7	10.4
1342	13.42	1.38	18	4	2.10E-08	2.61E-05	7	12.2
1343	13.43	1.48	19.9	4	2.16E-08	3.02E-05	7	13.7
1344	13.44	1.5	25.4	4	2.19E-08	3.34E-05	7	14.96
1345	13.45	1.54	25.4	4	1.97E-08	3.30E-05	8	16.4
1346	13.46	1.65	34.2	4	2.26E-08	4.37E-05	8	18.98
1347	13.47	1.83	34.9	4	2.65E-08	6.04E-05	9	22.39
1348	13.48	1.96	36.8	4	3.15E-08	7.92E-05	9	24.66
1349	13.49	1.98	39	4	3.37E-08	8.75E-05	9	25.49
1350	13.5	2.01	39.8	4	3.20E-08	8.32E-05	9	25.53
1351	13.51	1.95	40.7	4	3.07E-08	7.94E-05	9	25.38
1352	13.52	1.92	39.9	4	2.98E-08	7.60E-05	9	25.04
1353	13.53	1.92	37.8	4	3.41E-08	8.86E-05	9	25.51
1354	13.54	2.03	36.9	4	3.78E-08	1.00E-04	9	26.03
1355	13.55	2.01	38.7	4	4.14E-08	1.12E-04	9	26.58
1356	13.56	2.01	37.6	4	4.32E-08	1.18E-04	9	26.72
1357	13.57	2.04	35.5	4	4.89E-08	1.35E-04	9	27.17
1358	13.58	2.12	35.4	4	6.08E-08	1.75E-04	10	28.27
1359	13.59	2.27	34.5	4	7.24E-08	2.17E-04	10	29.34
1360	13.6	2.29	34.5	4	8.23E-08	2.53E-04	10	30.11
1361	13.61	2.27	34.3	4	8.37E-08	2.58E-04	10	30.21

1362	13.62	2.27	34.3	4	8.34E-08	2.56E-04	10	30.17
1363	13.63	2.27	34.3	4	7.92E-08	2.41E-04	10	29.83
1364	13.64	2.19	34.3	4	5.05E-08	1.49E-04	10	29.01
1365	13.65	2.09	55.8	4	3.25E-08	9.28E-05	10	27.96
1366	13.66	2.03	55.3	4	2.28E-08	6.30E-05	10	27.15
1367	13.67	2.01	53.5	4	2.29E-08	6.28E-05	10	26.89
1368	13.68	2.02	51.3	4	2.47E-08	6.80E-05	10	26.96
1369	13.69	2.03	49.5	4	2.72E-08	7.51E-05	10	27.13
1370	13.7	2.03	47.9	4	2.93E-08	8.14E-05	10	27.23
1371	13.71	2.03	46.3	4	3.09E-08	8.57E-05	10	27.23
1372	13.72	2.03	45.3	4	3.33E-08	9.26E-05	10	27.3
1373	13.73	2.09	42.9	4	3.49E-08	9.65E-05	10	27.09
1374	13.74	2.02	40.1	4	3.61E-08	9.81E-05	10	26.65
1375	13.75	1.95	37.8	4	3.58E-08	9.54E-05	9	26.12
1376	13.76	1.93	37.4	4	3.67E-08	9.68E-05	9	25.87
1377	13.77	1.93	35.7	4	4.06E-08	1.09E-04	9	26.22
1378	13.78	2.01	35	4	4.74E-08	1.30E-04	9	27.01
1379	13.79	2.11	35.6	4	5.58E-08	1.59E-04	10	28.04
1380	13.8	2.17	35.6	4	6.10E-08	1.81E-04	10	29.06
1381	13.81	2.26	39.1	4	7.14E-08	2.22E-04	10	30.52
1382	13.82	2.44	39.1	4	8.63E-08	2.84E-04	10	32.29
1383	13.83	2.56	39.1	4	9.80E-08	3.39E-04	11	33.94
1384	13.84	2.6	45.2	4	1.02E-07	3.63E-04	11	35.03
1385	13.85	2.68	46.3	4	1.07E-07	3.95E-04	11	36.16
1386	13.86	2.82	45.6	4	1.26E-07	4.82E-04	12	37.65
1387	13.87	2.95	46.3	4	1.41E-07	5.57E-04	12	38.84
1388	13.88	2.95	48	5	2.34E-07	1.06E-03	13	44.5
1389	13.89	4.02	52.4	5	3.54E-07	1.79E-03	14	49.55
1390	13.9	4.02	50.8	5	5.43E-07	3.02E-03	14	54.61
1391	13.91	4.02	47.4	5	7.51E-07	4.45E-03	15	58.12
1392	13.92	4.78	47.8	5	1.10E-06	7.03E-03	15	62.58
1393	13.93	4.97	45.5	5	1.70E-06	1.18E-02	16	67.89
1394	13.94	5.15	40.9	5	2.24E-06	2.58E-02	16	112.89
1395	13.95	5.27	38.2	5	2.80E-06	3.18E-02	16	111.42
1396	13.96	5.37	37.6	5	3.19E-06	3.61E-02	16	111.16
1397	13.97	5.46	38	5	3.26E-06	3.70E-02	16	111.46
1398	13.98	5.37	38.6	5	3.02E-06	3.43E-02	16	111.42
1399	13.99	5.13	38.6	5	2.38E-06	2.72E-02	16	111.9
1400	14	4.83	43	5	1.69E-06	1.15E-02	16	66.64
1401	14.01	4.47	45.9	5	1.19E-06	7.64E-03	15	62.98
1402	14.02	4.24	46.8	5	9.55E-07	5.90E-03	15	60.65
1403	14.03	4.2	47.4	5	8.98E-07	5.53E-03	15	60.38
1404	14.04	4.28	49.2	5	9.38E-07	5.88E-03	15	61.48
1405	14.05	4.37	49.6	5	9.99E-07	6.41E-03	15	62.89

1406	14.06	4.45	50.3	5	1.03E-06	6.70E-03	16	63.75
1407	14.07	4.45	51.5	5	1.05E-06	6.89E-03	16	64.32
1408	14.08	4.47	51.2	5	1.02E-06	6.70E-03	16	64.18
1409	14.09	4.39	51.6	5	9.71E-07	6.30E-03	16	63.63
1410	14.1	4.3	52.7	5	8.65E-07	5.51E-03	16	62.46
1411	14.11	4.22	54.2	5	7.72E-07	4.83E-03	15	61.35
1412	14.12	4.15	54.6	5	7.15E-07	4.41E-03	15	60.53
1413	14.13	4.13	54.3	5	6.85E-07	4.18E-03	15	59.93
1414	14.14	4.1	54	5	6.74E-07	4.09E-03	15	59.6
1415	14.15	4.09	53.7	5	6.58E-07	3.97E-03	15	59.21
1416	14.16	4.07	53.7	5	6.69E-07	4.03E-03	15	59.08
1417	14.17	4.08	51.5	5	6.96E-07	4.19E-03	15	59.05
1418	14.18	4.12	49.9	5	7.40E-07	4.45E-03	15	59.04
1419	14.19	4.08	48.2	5	7.71E-07	4.62E-03	15	58.81
1420	14.2	4.06	46.4	5	7.91E-07	4.71E-03	15	58.42
1421	14.21	4.04	45.3	5	8.27E-07	4.92E-03	15	58.39
1422	14.22	4.08	44.3	5	8.74E-07	5.23E-03	15	58.7
1423	14.23	4.13	43.7	5	9.15E-07	5.51E-03	15	59.07
1424	14.24	4.13	43.8	5	9.70E-07	5.91E-03	15	59.75
1425	14.25	4.26	43.5	5	1.04E-06	6.41E-03	15	60.63
1426	14.26	4.34	43.4	5	1.10E-06	6.93E-03	15	61.79
1427	14.27	4.4	45.4	5	1.11E-06	7.10E-03	15	62.81
1428	14.28	4.49	48.5	5	1.07E-06	6.99E-03	16	63.85
1429	14.29	4.57	51.8	5	1.09E-06	7.23E-03	16	65.17
1430	14.3	4.69	51.8	5	1.08E-06	7.36E-03	16	66.66
1431	14.31	4.81	57.6	5	1.17E-06	8.17E-03	17	68.68
1432	14.32	5.02	56.9	5	1.29E-06	9.32E-03	17	70.96
1433	14.33	5.21	55.8	5	1.50E-06	1.12E-02	17	73.31
1434	14.34	5.33	56.8	5	1.62E-06	1.24E-02	18	75.36
1435	14.35	5.48	60.9	5	1.56E-06	1.23E-02	18	77.57
1436	14.36	5.71	72.5	5	1.53E-06	1.25E-02	19	80.22
1437	14.37	5.96	74.8	5	1.46E-06	1.22E-02	19	82.23
1438	14.38	5.96	79	5	1.38E-06	1.18E-02	20	84.16
1439	14.39	6.16	92.1	5	1.18E-06	1.02E-02	20	85.06
1440	14.4	6.15	101.5	5	1.02E-06	8.96E-03	21	86.13
1441	14.41	6.18	108.3	5	9.72E-07	8.64E-03	21	87.22
1442	14.42	6.37	108.3	5	8.62E-07	7.82E-03	22	89.01
1443	14.43	6.54	136.2	5	7.61E-07	7.05E-03	23	90.94
1444	14.44	6.61	148.2	5	6.00E-07	5.63E-03	23	92.04
1445	14.45	6.64	166.8	5	5.11E-07	4.85E-03	24	93.12
1446	14.46	6.79	183.6	5	4.85E-07	4.74E-03	25	95.81
1447	14.47	7.2	190.9	5	5.50E-07	5.64E-03	26	100.61
1448	14.48	7.68	189.8	5	6.69E-07	7.22E-03	26	105.83
1449	14.49	7.92	190.9	5	7.81E-07	8.69E-03	27	109.11

1450	14.5	7.92	185.5	5	9.95E-07	1.16E-02	27	114.56
1451	14.51	8.89	182.8	5	1.31E-06	1.60E-02	28	120.19
1452	14.52	9.21	175	5	1.74E-06	2.25E-02	29	126.91
1453	14.53	9.48	175.2	5	1.88E-06	4.12E-02	29	214.42
1454	14.54	9.56	184.5	5	1.83E-06	2.42E-02	29	129.75
1455	14.55	9.33	184.5	5	1.35E-06	1.75E-02	30	127.06
1456	14.56	8.92	229.8	5	9.55E-07	1.20E-02	30	123.36
1457	14.57	8.74	245.6	5	6.62E-07	8.15E-03	30	120.65
1458	14.58	8.7	267.9	5	5.61E-07	6.83E-03	30	119.47
1459	14.59	8.58	270.8	5	5.36E-07	6.55E-03	30	119.82
1460	14.6	8.68	265.6	5	6.32E-07	7.95E-03	31	123.36
1461	14.61	9.29	255.3	5	9.09E-07	1.23E-02	32	132.59
1462	14.62	10.43	255.3	5	1.23E-06	1.77E-02	33	141.03
1463	14.63	10.43	255.3	5	2.31E-06	6.11E-02	36	259.49
1464	14.64	14.15	256.1	5	3.58E-06	9.58E-02	38	262.67
1465	14.65	14.07	244.2	5	5.45E-06	1.46E-01	39	263.5
1466	14.66	13.89	232.4	5	5.68E-06	1.49E-01	38	257.62
1467	14.67	13.59	221.3	5	5.52E-06	1.42E-01	38	253.08
1468	14.68	13.16	221.3	5	5.62E-06	1.40E-01	36	244.59
1469	14.69	12.67	186.6	5	5.99E-06	1.44E-01	35	235.98
1470	14.7	12.67	173.6	6	7.21E-06	1.66E-01	34	225.25
1471	14.71	12.67	159.2	6	7.43E-06	1.66E-01	33	219.31
1472	14.72	11.87	156.9	6	6.68E-06	1.47E-01	33	215.68
1473	14.73	11.37	161.1	5	5.27E-06	1.16E-01	32	215.49
1474	14.74	11.14	168.6	5	4.14E-06	9.19E-02	32	217.82
1475	14.75	10.77	178.7	5	3.37E-06	7.63E-02	32	221.91
1476	14.76	10.77	190.7	5	2.37E-06	5.42E-02	31	224.54
1477	14.77	9.49	199.2	5	1.56E-06	2.12E-02	31	133.2
1478	14.78	9	219	5	9.58E-07	1.20E-02	29	122.65
1479	14.79	8.47	225.1	5	6.74E-07	7.94E-03	29	115.61
1480	14.8	7.96	225.1	5	4.78E-07	5.25E-03	28	107.7
1481	14.81	7.28	226.9	4	3.26E-07	3.29E-03	26	98.82
1482	14.82	6.53	224.6	4	2.15E-07	1.97E-03	25	89.78
1483	14.83	5.95	221.1	4	1.51E-07	1.27E-03	24	82.27
1484	14.84	5.58	216	4	1.21E-07	9.63E-04	23	77.74
1485	14.85	5.46	214.1	4	1.23E-07	9.68E-04	23	77.1
1486	14.86	5.74	205.8	4	1.44E-07	1.15E-03	23	78.38
1487	14.87	5.81	191.7	4	1.77E-07	1.44E-03	23	80.07
1488	14.88	5.81	184.3	4	2.14E-07	1.78E-03	23	81.64
1489	14.89	6.08	178.1	4	2.50E-07	2.13E-03	23	83.57
1490	14.9	6.24	178.1	5	3.33E-07	2.90E-03	23	85.68
1491	14.91	6.3	141.8	5	3.83E-07	3.35E-03	23	85.8
1492	14.92	6.16	147.3	5	3.93E-07	3.38E-03	22	84.28
1493	14.93	5.95	154.7	5	3.17E-07	2.63E-03	22	81.63

1494	14.94	5.73	157.5	4	2.58E-07	2.07E-03	22	78.57
1495	14.95	5.48	154.6	4	2.07E-07	1.58E-03	21	75.03
1496	14.96	5.12	157.8	4	1.62E-07	1.18E-03	21	71.63
1497	14.97	4.91	165.7	4	1.23E-07	8.71E-04	21	69.39
1498	14.98	4.91	184.7	4	1.33E-07	9.89E-04	22	73.08
1499	14.99	5.82	195.6	4	1.83E-07	1.50E-03	23	80.66
1500	15	6.47	196.5	4	3.15E-07	2.96E-03	25	92.29
1501	15.01	7.38	199.8	5	5.12E-07	5.37E-03	26	103
1502	15.02	8.28	196.5	5	7.74E-07	8.92E-03	28	113.04
1503	15.03	8.9	196.5	5	1.03E-06	1.27E-02	29	120.89
1504	15.04	9.35	203.9	5	1.25E-06	1.62E-02	30	127.63
1505	15.05	9.89	209.3	5	1.45E-06	1.99E-02	31	134.44
1506	15.06	10.43	218.4	5	1.82E-06	2.64E-02	32	142.23
1507	15.07	11.03	211.6	5	2.21E-06	5.44E-02	33	241.88
1508	15.08	11.63	224.6	5	2.61E-06	6.62E-02	35	249.22
1509	15.09	12.42	248.6	5	2.88E-06	7.66E-02	37	261.24
1510	15.1	13.33	272	5	2.90E-06	8.06E-02	38	272.99
1511	15.11	13.33	290.9	5	3.48E-06	1.00E-01	40	282.54
1512	15.12	15.09	290.9	5	3.72E-06	1.09E-01	41	286.17
1513	15.13	14.36	288	5	3.65E-06	1.06E-01	41	285.63
1514	15.14	13.1	288.9	5	2.65E-06	7.61E-02	39	281.66
1515	15.15	12.21	290.3	5	1.80E-06	3.06E-02	37	166.28
1516	15.16	11.22	290.5	5	1.21E-06	1.88E-02	36	152.19
1517	15.17	10.08	289.9	5	7.31E-07	1.02E-02	34	136.46
1518	15.18	8.84	297.2	4	4.04E-07	4.96E-03	31	120.43
1519	15.19	7.78	303.3	4	2.61E-07	2.92E-03	30	109.72
1520	15.2	7.78	297.6	4	1.49E-07	1.47E-03	28	96.8
1521	15.21	6.05	297.6	4	1.06E-07	9.46E-04	26	87.44
1522	15.22	5.75	259.2	4	6.77E-08	5.32E-04	24	77.12
1523	15.23	5.52	256.5	4	6.71E-08	5.12E-04	23	74.74
1524	15.24	5.46	250.6	4	7.10E-08	5.38E-04	23	74.4
1525	15.25	5.54	233.2	4	8.71E-08	6.77E-04	23	76.26
1526	15.26	5.76	225.7	4	1.15E-07	9.30E-04	24	79.28
1527	15.27	5.96	217.4	4	1.42E-07	1.18E-03	24	81.71
1528	15.28	6.01	210.7	4	1.63E-07	1.37E-03	24	82.9
1529	15.29	6.01	203.8	4	1.43E-07	1.16E-03	23	79.33
1530	15.3	5.36	198	4	1.16E-07	8.84E-04	22	74.64
1531	15.31	5.09	192.2	4	8.75E-08	6.19E-04	21	69.45
1532	15.32	4.93	192.9	4	7.90E-08	5.49E-04	21	68.14
1533	15.33	4.93	202.3	4	7.79E-08	5.48E-04	21	68.98
1534	15.34	5.13	210.5	4	8.84E-08	6.48E-04	22	71.97
1535	15.35	5.47	210.5	4	1.10E-07	8.51E-04	23	76.19
1536	15.36	5.79	213.2	4	1.39E-07	1.14E-03	24	80.46
1537	15.37	6.06	212.1	4	1.67E-07	1.43E-03	24	83.93

1538	15.38	6.27	212.3	4	1.80E-07	1.57E-03	24	85.76
1539	15.39	6.26	218.8	4	1.69E-07	1.47E-03	25	85.6
1540	15.4	6.07	227.6	4	1.50E-07	1.30E-03	25	84.8
1541	15.41	6.08	234.1	4	1.42E-07	1.23E-03	25	84.86
1542	15.42	6.18	236.4	4	1.44E-07	1.26E-03	25	85.74
1543	15.43	6.18	237.2	4	1.46E-07	1.28E-03	25	86.01
1544	15.44	6.02	235.7	4	1.43E-07	1.24E-03	25	85.46
1545	15.45	6.01	232.8	4	1.46E-07	1.27E-03	25	85.5
1546	15.46	6.14	231	4	1.58E-07	1.40E-03	25	86.83
1547	15.47	6.33	231	4	1.88E-07	1.71E-03	25	89.11
1548	15.48	6.53	215.1	4	2.19E-07	2.03E-03	25	90.94
1549	15.49	6.62	212.6	4	2.35E-07	2.18E-03	25	91
1550	15.5	6.48	210.3	4	2.14E-07	1.93E-03	25	88.48
1551	15.51	6.19	205.6	4	1.83E-07	1.58E-03	24	84.67
1552	15.52	5.98	200.3	4	1.57E-07	1.30E-03	23	81.13
1553	15.53	5.81	199.5	4	1.41E-07	1.14E-03	23	79.2
1554	15.54	5.72	204.6	4	1.33E-07	1.06E-03	23	78.44
1555	15.55	5.72	204.6	4	1.53E-07	1.29E-03	24	83.12
1556	15.56	6.5	234	4	1.90E-07	1.72E-03	25	88.97
1557	15.57	6.71	230.2	4	2.30E-07	2.22E-03	26	94.36
1558	15.58	6.63	225.3	4	2.34E-07	2.23E-03	26	93.77
1559	15.59	6.45	220.8	4	2.14E-07	1.99E-03	26	91.42
1560	15.6	6.32	222.2	4	1.88E-07	1.71E-03	25	88.94
1561	15.61	6.2	225.8	4	1.60E-07	1.42E-03	25	87.44
1562	15.62	6.15	248.1	4	1.41E-07	1.25E-03	25	86.68
1563	15.63	6.15	248.1	4	1.41E-07	1.26E-03	26	87.93
1564	15.64	6.42	248.1	4	1.03E-07	9.46E-04	27	89.85
1565	15.65	6.55	393.1	4	8.36E-08	7.91E-04	28	92.9
1566	15.66	6.84	398.6	3	6.48E-08	6.29E-04	30	95.32
1567	15.67	7.09	425.2	3	6.69E-08	6.67E-04	30	97.8
1568	15.68	7.24	436	3	7.01E-08	7.16E-04	31	100.23
1569	15.69	7.53	431.8	3	7.51E-08	7.78E-04	31	101.66
1570	15.7	7.52	421.2	3	7.96E-08	8.32E-04	31	102.51
1571	15.71	7.52	424.1	3	7.78E-08	8.11E-04	31	102.28
1572	15.72	7.52	437.6	4	1.09E-07	1.24E-03	33	111.6
1573	15.73	9.6	448.1	4	1.60E-07	2.01E-03	35	122.83
1574	15.74	10.01	448.1	4	2.45E-07	3.36E-03	37	134.53
1575	15.75	10.11	426.4	4	2.78E-07	3.88E-03	37	136.98
1576	15.76	10.12	422.3	4	2.86E-07	3.97E-03	37	136.28
1577	15.77	9.86	420.4	4	2.67E-07	3.65E-03	36	134.05
1578	15.78	9.63	423.1	4	2.26E-07	2.99E-03	36	129.99
1579	15.79	9.26	437.5	4	1.81E-07	2.30E-03	35	124.87
1580	15.8	8.77	442.7	4	1.37E-07	1.64E-03	34	117.4
1581	15.81	8.03	424.6	4	1.15E-07	1.31E-03	33	111.66

1582	15.82	8.03	408.1	4	8.66E-08	9.06E-04	31	102.63
1583	15.83	6.79	394.6	3	7.40E-08	7.35E-04	30	97.49
1584	15.84	6.85	386.5	3	6.46E-08	6.17E-04	29	93.7
1585	15.85	7.1	386.5	4	8.11E-08	8.14E-04	30	98.49
1586	15.86	7.71	392.1	4	1.15E-07	1.25E-03	31	106.43
1587	15.87	8.48	384.8	4	1.72E-07	2.03E-03	33	115.99
1588	15.88	9.12	377.7	4	2.31E-07	2.92E-03	34	124.1
1589	15.89	9.54	394.1	4	2.68E-07	3.54E-03	35	129.97
1590	15.9	9.87	414.1	4	2.93E-07	4.03E-03	36	134.72
1591	15.91	10.28	411.4	4	3.25E-07	4.57E-03	37	137.77
1592	15.92	10.25	391.8	4	3.69E-07	5.25E-03	37	139.46
1593	15.93	10.25	377.6	4	2.97E-07	3.96E-03	35	130.86
1594	15.94	8.44	377.6	4	2.18E-07	2.65E-03	33	119.02
1595	15.95	7.71	335.6	4	1.36E-07	1.44E-03	30	103.99
1596	15.96	7.02	318.8	4	1.03E-07	9.94E-04	28	95.08
1597	15.97	6.52	323.8	4	6.94E-08	6.22E-04	27	87.91
1598	15.98	6.12	351.7	3	5.59E-08	4.83E-04	27	84.75
1599	15.99	6.2	341	3	6.01E-08	5.34E-04	28	87.27
1600	16	6.82	349.3	4	8.41E-08	8.15E-04	29	95.02
1601	16.01	7.49	371.4	4	1.03E-07	1.08E-03	30	101.96
1602	16.02	7.49	391.1	4	1.92E-07	2.33E-03	33	119.29
1603	16.03	10.7	391.1	4	2.97E-07	4.02E-03	36	132.72
1604	16.04	10.65	389.2	4	4.57E-07	6.81E-03	38	146.06
1605	16.05	10.6	390.1	4	4.17E-07	6.10E-03	37	143.47
1606	16.06	10.13	396.2	4	3.34E-07	4.67E-03	36	137.24
1607	16.07	9.36	400.3	4	2.48E-07	3.25E-03	35	128.83
1608	16.08	8.87	397.6	4	1.78E-07	2.16E-03	34	119.04
1609	16.09	8.09	382.9	4	1.43E-07	1.62E-03	32	110.9
1610	16.1	7.55	351.9	4	1.29E-07	1.38E-03	31	105.03
1611	16.11	7.55	330.1	4	1.32E-07	1.38E-03	30	102.39
1612	16.12	7.38	321.4	4	1.45E-07	1.52E-03	30	103.1
1613	16.13	7.58	325.9	4	1.60E-07	1.71E-03	30	105.14
1614	16.14	7.81	325.9	4	2.11E-07	2.36E-03	30	109.41
1615	16.15	8.21	278.9	4	2.76E-07	3.21E-03	31	113.87
1616	16.16	8.61	290.1	4	2.99E-07	3.51E-03	31	115.21
1617	16.17	8.33	315.7	4	2.27E-07	2.61E-03	31	112.68
1618	16.18	7.92	347.2	4	1.70E-07	1.90E-03	31	109.39
1619	16.19	8.01	355.7	4	1.53E-07	1.70E-03	31	108.59
1620	16.2	8.14	347.7	4	1.74E-07	1.96E-03	31	110.75
1621	16.21	8.34	329.9	4	1.99E-07	2.28E-03	31	112.44
1622	16.22	8.34	326.5	4	1.77E-07	1.99E-03	31	109.91
1623	16.23	7.62	351.7	4	1.37E-07	1.46E-03	30	104.89
1624	16.24	7.28	351.7	4	1.07E-07	1.09E-03	30	99.93
1625	16.25	7.24	338.9	4	1.11E-07	1.13E-03	30	99.9

1626	16.26	7.46	334.9	4	1.32E-07	1.38E-03	30	103
1627	16.27	7.86	335.1	4	1.72E-07	1.91E-03	31	108.94
1628	16.28	8.56	332.6	4	2.33E-07	2.77E-03	32	116.34
1629	16.29	9.23	329.2	4	3.11E-07	3.91E-03	33	123.15
1630	16.3	9.46	320.7	4	3.79E-07	4.93E-03	33	127.39
1631	16.31	9.53	313.3	4	4.07E-07	5.34E-03	34	128.76
1632	16.32	9.53	319.5	4	2.74E-07	3.31E-03	32	118.69
1633	16.33	7.31	332.3	4	1.35E-07	1.40E-03	30	102.41
1634	16.34	6.05	332.9	3	5.77E-08	5.02E-04	27	85.44
1635	16.35	5.9	332.9	3	4.00E-08	3.18E-04	26	78.16
1636	16.36	5.75	316.9	3	4.21E-08	3.33E-04	26	77.75
1637	16.37	5.96	300.9	3	4.91E-08	3.92E-04	25	78.39
1638	16.38	6.03	284.8	4	6.06E-08	4.89E-04	25	79.15
1639	16.39	5.9	252.8	4	6.43E-08	5.04E-04	24	76.88
1640	16.4	5.47	232.4	4	6.04E-08	4.49E-04	23	73.03
1641	16.41	5.2	228.6	4	4.93E-08	3.42E-04	22	68.16
1642	16.42	4.85	218.7	3	4.38E-08	2.91E-04	22	65.31
1643	16.43	4.85	209.4	4	4.50E-08	2.96E-04	21	64.54
1644	16.44	4.99	204.3	4	5.43E-08	3.67E-04	21	66.22
1645	16.45	5.14	197.8	4	6.70E-08	4.70E-04	22	68.75
1646	16.46	5.29	197.8	4	8.98E-08	6.59E-04	22	72.02
1647	16.47	5.68	181.6	4	1.26E-07	9.82E-04	23	76.26
1648	16.48	6.07	175.8	4	1.90E-07	1.57E-03	23	81.14
1649	16.49	6.37	165.4	4	2.77E-07	2.44E-03	24	86.23
1650	16.5	6.72	157.1	5	4.27E-07	4.06E-03	25	93.27
1651	16.51	7.51	157.8	5	6.57E-07	6.83E-03	26	101.96
1652	16.52	8.26	158.4	5	1.03E-06	1.17E-02	27	111.02
1653	16.53	8.78	142.2	5	1.45E-06	1.72E-02	27	116.33
1654	16.54	8.78	130	5	2.05E-06	4.13E-02	27	197.69
1655	16.55	9.37	126.5	5	2.68E-06	5.32E-02	27	194.4
1656	16.56	9.63	118.4	5	3.62E-06	7.05E-02	28	191.02
1657	16.57	9.79	105.8	5	4.50E-06	8.61E-02	28	187.64
1658	16.58	9.97	105.8	6	6.76E-06	1.22E-01	27	177.26
1659	16.59	10.11	66.8	6	9.82E-06	1.68E-01	27	168.23
1660	16.6	10.24	64.1	6	1.42E-05	2.31E-01	26	159.76
1661	16.61	10.41	69.4	6	1.45E-05	2.38E-01	26	161.64
1662	16.62	10.57	72.2	6	1.43E-05	2.39E-01	27	164.11
1663	16.63	10.64	72.2	6	1.45E-05	2.44E-01	27	165.12
1664	16.64	10.68	72.2	6	1.55E-05	2.58E-01	27	163.76
1665	16.65	10.68	66.2	6	1.53E-05	2.57E-01	27	164.21
1666	16.66	10.68	73.7	6	1.47E-05	2.50E-01	27	166.34
1667	16.67	10.86	79.9	6	1.29E-05	2.25E-01	28	170.59
1668	16.68	10.73	83.3	6	1.18E-05	2.08E-01	28	173.39
1669	16.69	10.66	85.4	6	1.06E-05	1.89E-01	28	174.75

1670	16.7	10.52	87.1	6	9.89E-06	1.77E-01	28	175.86
1671	16.71	10.52	88.9	6	9.43E-06	1.70E-01	28	176.54
1672	16.72	10.52	88.9	6	9.53E-06	1.69E-01	27	174
1673	16.73	10.13	77.7	6	1.01E-05	1.73E-01	27	169.02
1674	16.74	9.94	70.2	6	1.14E-05	1.87E-01	26	160.96
1675	16.75	9.76	59.2	6	1.29E-05	2.01E-01	25	152.96
1676	16.76	9.32	50	6	1.40E-05	2.03E-01	23	142.43
1677	16.77	8.39	37.9	6	8.23E-06	1.08E-01	20	128.52
1678	16.78	4.99	30.4	5	2.37E-06	2.70E-02	16	111.54
1679	16.79	2.66	24.9	5	3.97E-07	1.76E-03	12	43.47
1680	16.8	2.66	20.5	4	5.59E-08	1.28E-04	9	22.54
1681	16.81	1.22	16.2	4	2.15E-08	2.66E-05	8	12.12
1682	16.82	1.22	12	3	6.30E-09	3.59E-06	6	5.59
1683	16.83	1.34	9.4	4	1.11E-08	7.13E-06	6	6.29
1684	16.84	1.4	7.9	4	1.59E-08	1.07E-05	6	6.6
1685	16.85	1.29	6.4	4	1.73E-08	1.12E-05	6	6.33
1686	16.86	1.28	6.1	4	1.67E-08	1.01E-05	6	5.96
1687	16.87	1.31	6.4	4	1.83E-08	1.15E-05	6	6.15
1688	16.88	1.34	5.9	4	2.27E-08	1.57E-05	6	6.82
1689	16.89	1.43	5.9	4	3.30E-08	2.73E-05	6	8.11
1690	16.9	1.58	5.9	4	4.21E-08	4.24E-05	7	9.88
1691	16.91	1.68	8.5	4	4.57E-08	5.45E-05	7	11.69
1692	16.92	1.75	11.1	4	4.50E-08	6.34E-05	8	13.83
1693	16.93	1.93	14.6	4	5.53E-08	1.00E-04	8	17.83
1694	16.94	2.26	17.9	4	9.26E-08	2.47E-04	9	26.12
1695	16.95	2.76	20.8	5	2.02E-07	7.18E-04	11	34.9
1696	16.96	3.45	22.9	5	4.65E-07	2.07E-03	12	43.76
1697	16.97	4.15	24.6	5	7.40E-07	3.79E-03	13	50.28
1698	16.98	4.15	27.6	5	1.92E-06	2.08E-02	15	106
1699	16.99	6.44	29	5	4.10E-06	4.72E-02	17	112.86
1700	17	7.19	31.1	6	9.03E-06	1.10E-01	19	119.92
1701	17.01	7.95	33.6	6	1.30E-05	1.65E-01	20	124.64
1702	17.02	8.71	35	6	1.87E-05	2.45E-01	22	128.52
1703	17.03	9.5	35	6	2.27E-05	3.13E-01	23	135.32
1704	17.04	10.23	47.3	6	2.63E-05	3.80E-01	24	141.77
1705	17.05	10.8	49.1	6	2.71E-05	4.10E-01	26	148.67
1706	17.06	11.1	53	6	2.86E-05	4.44E-01	26	152.3
1707	17.07	11.31	56.3	6	2.81E-05	4.45E-01	27	155.33
1708	17.08	11.34	58	6	2.63E-05	4.25E-01	27	158.29
1709	17.09	11.34	62.8	6	2.25E-05	3.73E-01	28	162.47
1710	17.1	11.23	72	6	1.79E-05	3.08E-01	28	168.86
1711	17.11	11.23	83	6	1.28E-05	2.32E-01	29	177.4
1712	17.12	10.99	99.1	6	9.29E-06	1.76E-01	29	186.2
1713	17.13	10.92	111.7	6	7.40E-06	1.45E-01	30	192.14

1714	17.14	10.92	111.7	6	5.63E-06	1.16E-01	30	201.7
1715	17.15	10.96	145.3	5	4.72E-06	1.01E-01	31	209.86
1716	17.16	11.17	151.6	5	3.97E-06	8.91E-02	32	220.09
1717	17.17	11.45	162.8	5	3.96E-06	9.11E-02	33	225.68
1718	17.18	11.77	170.6	5	4.03E-06	9.51E-02	34	231.3
1719	17.19	12.12	176.6	5	4.17E-06	1.00E-01	34	235.36
1720	17.2	12.27	180.1	5	4.38E-06	1.06E-01	35	236.91
1721	17.21	12.31	175.6	5	4.61E-06	1.11E-01	35	235.97
1722	17.22	12.31	169.7	5	4.98E-06	1.18E-01	34	233.16
1723	17.23	12.34	163.4	5	5.52E-06	1.29E-01	34	229.7
1724	17.24	12.46	155.2	6	5.97E-06	1.38E-01	34	226.38
1725	17.25	12.29	151.4	6	6.22E-06	1.42E-01	34	224.16
1726	17.26	12.27	151.7	6	6.03E-06	1.37E-01	34	223.15
1727	17.27	12.1	151.7	5	4.69E-06	1.10E-01	34	231.06
1728	17.28	11.91	196.9	5	3.42E-06	8.39E-02	34	240.72
1729	17.29	11.7	210.9	5	2.29E-06	5.89E-02	35	252.65
1730	17.3	11.26	230.8	5	1.72E-06	2.68E-02	35	153.2
1731	17.31	10.88	240	5	1.27E-06	1.91E-02	34	147.1
1732	17.32	10.39	246	5	9.64E-07	1.38E-02	34	140.12
1733	17.33	9.77	249.1	5	6.74E-07	9.00E-03	33	130.97
1734	17.34	8.92	256.3	5	5.11E-07	6.46E-03	32	124.07
1735	17.35	8.92	255.9	5	3.93E-07	4.69E-03	31	117.21
1736	17.36	8.3	250.5	5	4.36E-07	5.27E-03	31	118.7
1737	17.37	9.23	240.4	5	6.02E-07	7.74E-03	32	126.17
1738	17.38	10.51	240.4	5	1.25E-06	1.83E-02	34	143.59
1739	17.39	12.03	205.3	5	2.78E-06	7.21E-02	36	254.42
1740	17.4	13.79	189	6	6.25E-06	1.58E-01	37	247.54
1741	17.41	14.98	167.2	6	1.18E-05	2.91E-01	38	241.19
1742	17.42	15.75	148	6	2.04E-05	4.83E-01	39	232.52
1743	17.43	16.56	129.9	6	3.70E-05	8.30E-01	39	219.88
1744	17.44	17.46	95.4	6	8.02E-05	1.64E+00	38	201.16
1745	17.45	18.3	57.1	6	1.83E-04	3.34E+00	36	179.1
1746	17.46	18.3	39.8	6	4.19E-04	6.81E+00	35	159.5
1747	17.47	19.28	24.4	6	6.87E-04	1.04E+01	34	148.17
1748	17.48	19.18	18.7	6	9.03E-04	1.31E+01	33	142.43
1749	17.49	18.86	18.8	0	0.00E+00	0.00E+00	32	139.56
1750	17.5	18.29	16.2	0	0.00E+00	0.00E+00	32	137.3
1751	17.51	17.5	14.9	0	0.00E+00	0.00E+00	31	134.3
1752	17.52	16.37	14.9	0	0.00E+00	0.00E+00	29	130.26
1753	17.53	14.98	11.3	0	0.00E+00	0.00E+00	27	124.42
1754	17.54	12.2	11.4	0	0.00E+00	0.00E+00	24	115.84
1755	17.55	8.96	11.3	6	7.46E-05	8.10E-01	20	106.55
1756	17.56	6.69	11.6	6	2.55E-05	2.56E-01	17	98.49
1757	17.57	5.8	11.4	6	9.60E-06	9.04E-02	15	92.33

1758	17.58	4.59	11.4	6	4.28E-06	3.82E-02	13	87.59
1759	17.59	3.79	11.3	5	2.16E-06	1.85E-02	12	83.96
1760	17.6	3.79	11.2	5	1.27E-06	5.91E-03	11	45.65
1761	17.61	3.23	11	5	9.60E-07	4.13E-03	11	42.24
1762	17.62	3.06	9.9	5	6.85E-07	2.67E-03	10	38.2
1763	17.63	2.93	8.8	5	5.82E-07	2.14E-03	10	36.02
1764	17.64	2.76	8.8	5	4.65E-07	1.60E-03	10	33.79
1765	17.65	2.58	8.8	5	4.07E-07	1.30E-03	9	31.24
1766	17.66	2.38	4.3	5	3.31E-07	9.11E-04	9	27.03
1767	17.67	2.15	4.9	5	2.39E-07	5.24E-04	8	21.51
1768	17.68	1.95	6.5	5	1.29E-07	2.21E-04	8	16.81
1769	17.69	1.79	6.9	4	7.80E-08	1.09E-04	7	13.68
1770	17.7	1.7	6.7	4	5.89E-08	7.09E-05	7	11.81
1771	17.71	1.65	6.3	4	5.41E-08	6.07E-05	7	11.02
1772	17.72	1.65	5.9	4	5.64E-08	6.19E-05	7	10.76
1773	17.73	1.65	5.1	4	6.37E-08	7.05E-05	7	10.85
1774	17.74	1.65	4.5	4	6.97E-08	7.72E-05	7	10.86
1775	17.75	1.64	4.5	4	7.54E-08	8.21E-05	7	10.68
1776	17.76	1.61	3.4	1	7.42E-08	7.66E-05	7	10.13
1777	17.77	1.56	3.3	1	7.01E-08	6.68E-05	6	9.35
1778	17.78	1.5	3.2	1	5.91E-08	5.16E-05	6	8.55
1779	17.79	1.46	3.4	1	4.65E-08	3.66E-05	6	7.73
1780	17.8	1.4	3.9	1	3.30E-08	2.36E-05	6	7.03
1781	17.81	1.36	5.3	4	1.92E-08	1.26E-05	6	6.43
1782	17.82	1.33	9.1	4	1.09E-08	6.80E-06	7	6.15
1783	17.83	1.33	13.4	3	6.24E-09	3.64E-06	7	5.73
1784	17.84	1.26	15.7	3	4.63E-09	2.62E-06	7	5.54
1785	17.85	1.28	16	3	4.38E-09	2.50E-06	7	5.6
1786	17.86	1.34	15.9	3	6.13E-09	4.10E-06	7	6.56
1787	17.87	1.49	15.4	4	1.21E-08	1.11E-05	8	9.01
1788	17.88	1.82	15	4	3.52E-08	5.41E-05	8	15.07
1789	17.89	2.4	15.3	4	1.19E-07	3.27E-04	10	27.09
1790	17.9	3	15.3	5	3.51E-07	1.33E-03	11	37.14
1791	17.91	3.56	14.6	5	8.31E-07	3.81E-03	12	44.99
1792	17.92	4.08	14	5	1.83E-06	9.91E-03	13	53.21
1793	17.93	4.76	12.7	5	3.80E-06	3.51E-02	14	90.66
1794	17.94	5.48	11.8	6	7.34E-06	6.99E-02	15	93.35
1795	17.95	6.2	12.4	6	1.22E-05	1.22E-01	16	97.75
1796	17.96	7.04	15	6	1.84E-05	1.93E-01	17	102.84
1797	17.97	7.84	16.2	6	2.21E-05	2.42E-01	19	107.63
1798	17.98	7.84	19	6	4.37E-05	5.09E-01	21	114.29
1799	17.99	11.42	19	6	6.74E-05	8.62E-01	24	125.57
1800	18	12.75	32.9	6	1.10E-04	1.55E+00	27	138.26
1801	18.01	14.12	39.1	6	1.14E-04	1.77E+00	30	152.52

1802	18.02	15.54	52.5	6	1.23E-04	2.08E+00	32	165.37
1803	18.03	16.88	64.9	6	1.27E-04	2.31E+00	35	178.81
1804	18.04	18.11	76.2	6	1.18E-04	2.34E+00	38	193.68
1805	18.05	18.98	99.1	6	1.04E-04	2.22E+00	40	208.85
1806	18.06	19.77	117.5	6	8.36E-05	1.91E+00	42	223.85
1807	18.07	19.77	135.1	6	6.62E-05	1.61E+00	44	237.94
1808	18.08	20.1	159.3	6	4.64E-05	1.19E+00	45	251.94
1809	18.09	19.37	186.3	6	3.08E-05	8.34E-01	46	265.92
1810	18.1	18.63	211.5	6	1.95E-05	5.50E-01	46	277.29
1811	18.11	17.81	232	6	1.27E-05	3.70E-01	46	286.39
1812	18.12	16.95	251.6	6	8.73E-06	2.59E-01	45	290.38
1813	18.13	15.9	251.6	5	6.21E-06	1.85E-01	44	292.92
1814	18.14	15.25	264.4	5	4.85E-06	1.44E-01	43	292.01
1815	18.15	14.75	261	5	4.08E-06	1.21E-01	42	290.39
1816	18.16	14.28	252.9	5	3.77E-06	1.09E-01	41	284.53
1817	18.17	13.77	237.5	5	3.89E-06	1.09E-01	40	275.95
1818	18.18	13.72	213.9	5	4.50E-06	1.21E-01	39	264
1819	18.19	13.57	184.4	6	6.06E-06	1.54E-01	38	249.92
1820	18.2	13.72	155.6	6	8.51E-06	2.04E-01	36	235
1821	18.21	13.72	132.5	6	1.31E-05	2.97E-01	36	222.42
1822	18.22	14.5	115.9	6	1.92E-05	4.13E-01	35	211.64
1823	18.23	14.52	101	6	2.65E-05	5.51E-01	35	203.59
1824	18.24	14.57	93.2	6	3.49E-05	6.95E-01	34	195.19
1825	18.25	14.82	79.1	6	4.39E-05	8.51E-01	34	190.37
1826	18.26	15.22	79.1	6	5.90E-05	1.11E+00	34	185.02
1827	18.27	15.68	68.9	6	7.08E-05	1.33E+00	34	183.67
1828	18.28	15.98	70.6	6	8.21E-05	1.52E+00	34	182.02
1829	18.29	16.04	70.6	6	7.24E-05	1.38E+00	35	186.38
1830	18.3	15.73	85	6	5.09E-05	1.01E+00	35	194.87
1831	18.31	15.09	106.2	6	3.34E-05	7.07E-01	36	207.48
1832	18.32	15.42	125.1	6	2.46E-05	5.53E-01	37	220.97
1833	18.33	16.06	144.2	6	2.02E-05	4.81E-01	39	233.79
1834	18.34	16.06	163.4	6	1.79E-05	4.47E-01	40	245.6
1835	18.35	16.7	178.7	6	1.46E-05	3.83E-01	42	257.77
1836	18.36	16.61	205.6	6	1.32E-05	3.58E-01	43	266.12
1837	18.37	16.73	205.6	6	8.82E-06	2.58E-01	44	286.86
1838	18.38	16.8	298.4	5	6.51E-06	2.03E-01	46	306.35
1839	18.39	17.15	323.8	5	4.85E-06	1.62E-01	48	328.16
1840	18.4	17.5	345.7	5	4.62E-06	1.59E-01	49	338.42
1841	18.41	17.93	360.9	5	4.47E-06	1.57E-01	50	344.61
1842	18.42	17.79	362.4	5	4.28E-06	1.52E-01	51	348.66
1843	18.43	17.7	372.9	5	4.04E-06	1.44E-01	51	350.38
1844	18.44	17.65	375.5	5	3.88E-06	1.39E-01	51	352.05
1845	18.45	17.65	375.5	5	3.68E-06	1.31E-01	50	349.02

1846	18.46	16.78	358.3	5	3.58E-06	1.26E-01	49	344.28
1847	18.47	16.69	348.9	5	3.60E-06	1.24E-01	48	338.31
1848	18.48	16.83	339	5	4.03E-06	1.38E-01	48	335.15
1849	18.49	17.34	330.5	5	4.78E-06	1.62E-01	49	332.46
1850	18.5	17.83	320.3	5	5.80E-06	1.95E-01	49	329.64
1851	18.51	18.19	308.6	5	6.80E-06	2.27E-01	49	327.78
1852	18.52	18.56	308.6	6	7.91E-06	2.61E-01	49	323.25
1853	18.53	18.56	284.6	6	1.00E-05	3.29E-01	50	322.28
1854	18.54	20.39	287.4	6	1.31E-05	4.27E-01	51	321.28
1855	18.55	21.14	286	6	1.63E-05	5.40E-01	53	325.31
1856	18.56	21.75	291.1	6	1.76E-05	5.93E-01	54	331.05
1857	18.57	22.36	312.2	6	1.77E-05	6.10E-01	55	338.37
1858	18.58	22.63	323.8	6	1.64E-05	5.81E-01	56	346.84
1859	18.59	22.51	341.3	6	1.48E-05	5.34E-01	57	354.25
1860	18.6	22.51	360.1	6	1.28E-05	4.69E-01	57	359.76
1861	18.61	21.89	365.4	6	1.12E-05	4.15E-01	57	362.28
1862	18.62	21.45	365.4	6	9.00E-06	3.37E-01	57	366.88
1863	18.63	20.75	404.3	5	7.46E-06	2.82E-01	56	370.87
1864	18.64	20.46	404.3	5	6.30E-06	2.41E-01	56	374.97
1865	18.65	20.26	404.3	6	7.55E-06	2.76E-01	54	358.25
1866	18.66	19.98	289.3	6	9.52E-06	3.29E-01	53	339.45
1867	18.67	19.75	279.6	6	1.29E-05	4.22E-01	51	319.5
1868	18.68	19.97	276.2	6	1.41E-05	4.54E-01	51	315.91
1869	18.69	20.21	265.2	6	1.52E-05	4.87E-01	51	314.06
1870	18.7	20.21	265.2	6	1.78E-05	5.58E-01	50	307.71
1871	18.71	20.45	234.8	6	2.02E-05	6.21E-01	50	301.92
1872	18.72	20.45	229.4	6	2.22E-05	6.74E-01	50	297.97
1873	18.73	20.45	240.8	6	2.23E-05	6.88E-01	51	303.12
1874	18.74	21.53	259.1	6	2.14E-05	6.83E-01	52	313.2
1875	18.75	22.03	280.8	6	1.98E-05	6.61E-01	54	327.27
1876	18.76	22.35	316.2	6	1.69E-05	5.94E-01	56	344.83
1877	18.77	23.08	361.5	6	1.50E-05	5.46E-01	58	358.08
1878	18.78	23.08	361.5	6	1.15E-05	4.52E-01	61	386.45
1879	18.79	24.28	499.8	6	8.71E-06	3.64E-01	63	410.5
1880	18.8	23.82	533	5	5.97E-06	2.67E-01	65	439.05
1881	18.81	22.99	586	5	4.06E-06	1.87E-01	65	452.68
1882	18.82	21.6	638.9	5	2.49E-06	1.18E-01	64	463.78
1883	18.83	19.61	676.5	8	1.48E-06	4.09E-02	62	271.22
1884	18.84	18	699.4	8	9.14E-07	2.32E-02	59	248.78
1885	18.85	16.79	711.5	9	6.70E-07	1.61E-02	58	235.63
1886	18.86	16.79	730.9	9	3.89E-07	8.44E-03	55	212.69
1887	18.87	13.09	767.3	9	2.39E-07	4.69E-03	52	192.82
1888	18.88	12.54	751.8	9	1.39E-07	2.43E-03	49	171.89
1889	18.89	12.31	751.8	9	1.42E-07	2.44E-03	48	168.59

1890	18.9	12.38	666.4	9	1.55E-07	2.63E-03	47	166.66
1891	18.91	12.12	635.5	9	1.75E-07	2.93E-03	46	164.31
1892	18.92	11.8	602.7	9	1.69E-07	2.73E-03	45	158.74
1893	18.93	11.19	573.3	4	1.57E-07	2.43E-03	43	151.88
1894	18.94	10.65	544.8	4	1.34E-07	1.96E-03	41	142.99
1895	18.95	9.9	519.1	4	1.21E-07	1.68E-03	40	135.92
1896	18.96	9.67	489.7	4	1.13E-07	1.51E-03	39	131.34
1897	18.97	9.67	489.7	4	1.01E-07	1.29E-03	37	125
1898	18.98	8.54	450.2	4	8.32E-08	1.01E-03	36	118.86
1899	18.99	8.36	466.8	3	6.92E-08	8.04E-04	35	114.12
1900	19	8.66	488.7	3	7.69E-08	9.37E-04	37	119.56
1901	19.01	9.7	513.3	4	1.21E-07	1.66E-03	40	135.3
1902	19.02	11.73	536.8	4	2.35E-07	3.85E-03	44	160.95
1903	19.03	14.15	569.1	4	4.61E-07	8.93E-03	49	190.12
1904	19.04	15.95	569.1	9	5.66E-07	1.21E-02	53	209.85
1905	19.05	15.95	707.5	9	7.70E-07	1.85E-02	57	235.12
1906	19.06	19.56	727.4	9	8.35E-07	2.13E-02	60	250.72
1907	19.07	19.3	741.8	8	9.39E-07	2.50E-02	62	261.71
1908	19.08	18.31	772.4	9	7.33E-07	1.89E-02	61	252.29
1909	19.09	17.55	799.8	9	5.52E-07	1.36E-02	60	241.06
1910	19.1	16.89	813.1	9	4.56E-07	1.08E-02	60	233.36
1911	19.11	16.66	814.5	9	4.13E-07	9.66E-03	59	229.22
1912	19.12	16.66	814.5	9	4.15E-07	9.67E-03	59	228.63
1913	19.13	16.77	798.2	9	4.34E-07	1.01E-02	59	229.14
1914	19.14	16.77	780.5	9	4.61E-07	1.07E-02	58	228.68
1915	19.15	16.56	749.1	9	4.83E-07	1.11E-02	57	225.84
1916	19.16	16.16	704.8	9	5.27E-07	1.20E-02	56	222.67
1917	19.17	16.09	649.9	9	6.09E-07	1.37E-02	55	220.7
1918	19.18	16.14	600.4	5	7.49E-07	1.68E-02	54	220.05
1919	19.19	16.03	539.1	5	9.69E-07	2.17E-02	52	219.75
1920	19.2	16.03	469.6	5	1.12E-06	2.46E-02	51	216.6
1921	19.21	15.47	469.6	5	1.41E-06	3.05E-02	49	212.26
1922	19.22	15.1	354.1	5	1.48E-06	3.10E-02	47	204.77
1923	19.23	14.42	357.7	5	1.54E-06	3.07E-02	45	195.59
1924	19.24	13.5	353.1	5	1.22E-06	2.29E-02	43	184.86
1925	19.25	12.8	343.5	5	9.72E-07	1.73E-02	42	174.57
1926	19.26	12.22	340	5	8.53E-07	1.46E-02	41	168.05
1927	19.27	12.11	333.5	5	8.05E-07	1.36E-02	40	165.14
1928	19.28	12.18	333.5	5	8.46E-07	1.42E-02	40	164.95
1929	19.29	12.18	316	5	7.72E-07	1.26E-02	39	159.62
1930	19.3	10.96	308.8	5	6.89E-07	1.07E-02	38	153.13
1931	19.31	10.79	301.9	5	5.73E-07	8.51E-03	37	145.74
1932	19.32	10.6	298	5	5.44E-07	7.95E-03	36	143.3
1933	19.33	10.44	298	5	5.46E-07	7.84E-03	36	140.7

1934	19.34	10.23	268.1	5	5.54E-07	7.78E-03	35	137.65
1935	19.35	9.94	255.2	5	5.63E-07	7.61E-03	34	132.76
1936	19.36	9.39	234.8	5	5.46E-07	7.08E-03	32	127.14
1937	19.37	9.03	212.8	5	5.02E-07	6.14E-03	31	120.04
1938	19.38	8.42	200.2	5	4.36E-07	5.04E-03	30	113.26
1939	19.39	7.94	197.9	5	3.49E-07	3.81E-03	29	107.01
1940	19.4	7.69	201.6	4	2.90E-07	3.06E-03	28	103.6
1941	19.41	7.69	209.8	4	2.53E-07	2.62E-03	28	101.61
1942	19.42	7.52	211.2	4	2.42E-07	2.49E-03	28	101.15
1943	19.43	7.59	208.2	4	2.57E-07	2.67E-03	28	101.82
1944	19.44	7.84	200.5	5	3.07E-07	3.27E-03	28	104.58
1945	19.45	8.11	195.7	5	3.90E-07	4.33E-03	29	109.06
1946	19.46	8.55	195.7	5	5.33E-07	6.26E-03	30	115.11
1947	19.47	9.13	183.2	5	7.19E-07	8.96E-03	30	122.15
1948	19.48	9.62	188.8	5	9.46E-07	1.24E-02	31	128.99
1949	19.49	10.02	189.6	5	1.11E-06	1.52E-02	32	134.27
1950	19.5	10.26	188.8	5	1.27E-06	1.80E-02	33	138.82
1951	19.51	10.59	193.9	5	1.42E-06	2.06E-02	33	142.66
1952	19.52	10.85	193.9	5	1.52E-06	2.26E-02	34	145.9
1953	19.53	10.96	197.4	5	1.56E-06	2.34E-02	34	147.62
1954	19.54	10.96	202.1	5	1.34E-06	1.99E-02	34	145.27
1955	19.55	10.34	213.8	5	1.06E-06	1.53E-02	34	141.61
1956	19.56	10.18	231.4	5	8.52E-07	1.20E-02	34	138.07
1957	19.57	10.2	231.4	5	5.65E-07	8.00E-03	35	138.8
1958	19.58	10.5	356.5	4	4.02E-07	5.83E-03	37	142.23
1959	19.59	10.91	408	4	3.06E-07	4.63E-03	40	148.31
1960	19.6	11.5	447.6	4	3.15E-07	5.03E-03	42	156.92
1961	19.61	12.34	479.5	4	3.60E-07	6.11E-03	44	166.53
1962	19.62	12.97	486.2	4	4.08E-07	7.22E-03	45	173.67
1963	19.63	13.03	486.2	4	4.15E-07	7.40E-03	45	174.8
1964	19.64	12.59	486.2	4	3.76E-07	6.63E-03	45	173.01
1965	19.65	12.59	517.6	4	2.80E-07	4.69E-03	44	164.43
1966	19.66	11.2	524.1	4	2.22E-07	3.58E-03	44	158.04
1967	19.67	11.22	517.1	4	2.13E-07	3.37E-03	43	155.11
1968	19.68	11.96	488.7	4	2.76E-07	4.55E-03	44	162.08
1969	19.69	12.69	488.7	4	4.24E-07	7.44E-03	45	172.2
1970	19.7	13.39	425.2	5	5.83E-07	1.06E-02	45	178.85
1971	19.71	13.39	406.5	5	7.56E-07	1.40E-02	45	182.09
1972	19.72	13.39	394.6	5	8.72E-07	1.64E-02	44	184.03
1973	19.73	13.8	377.8	5	1.01E-06	1.93E-02	45	187.21
1974	19.74	14.07	371.2	5	1.22E-06	2.40E-02	45	191.98
1975	19.75	14.41	359.4	5	1.46E-06	2.92E-02	45	196.38
1976	19.76	14.75	345.3	5	1.70E-06	3.46E-02	45	199.54
1977	19.77	14.75	334.1	5	2.15E-06	7.22E-02	45	329.58

1978	19.78	15.33	301.3	5	2.63E-06	8.71E-02	45	324.41
1979	19.79	15.67	301.3	5	3.48E-06	1.12E-01	45	315.09
1980	19.8	15.71	263.8	5	4.12E-06	1.30E-01	45	309
1981	19.81	15.84	257.9	5	5.09E-06	1.56E-01	44	300.49
1982	19.82	16.15	244.3	5	6.35E-06	1.90E-01	44	294.1
1983	19.83	16.58	219.2	6	8.88E-06	2.56E-01	44	283.01
1984	19.84	16.91	186.8	6	1.21E-05	3.34E-01	43	271.32
1985	19.85	16.82	175.8	6	1.38E-05	3.72E-01	43	264.37
1986	19.86	16.47	182.5	6	1.20E-05	3.28E-01	43	268.75
1987	19.87	16.47	211.9	6	7.84E-06	2.25E-01	43	281.84
1988	19.88	15.42	255.2	5	4.93E-06	1.49E-01	44	297.21
1989	19.89	15.04	281.7	5	3.14E-06	9.93E-02	44	310.37
1990	19.9	14.74	306.7	5	2.50E-06	8.09E-02	44	317.23
1991	19.91	14.59	306.7	5	2.00E-06	6.63E-02	44	325.27
1992	19.92	14.38	341.7	5	1.63E-06	3.23E-02	44	195.23
1993	19.93	14.02	360.2	5	1.16E-06	2.24E-02	45	189.86
1994	19.94	13.44	401.1	5	7.70E-07	1.43E-02	45	182.01
1995	19.95	12.7	443.2	5	5.16E-07	9.23E-03	45	175.47
1996	19.96	12.62	481.3	4	4.35E-07	7.74E-03	45	174.72
1997	19.97	13.28	486.6	4	4.36E-07	7.90E-03	46	177.72
1998	19.98	13.34	486.8	4	4.60E-07	8.49E-03	46	181.09
1999	19.99	13.34	500.5	4	3.23E-07	5.54E-03	45	168.06
2000	20	10.49	491.9	4	2.04E-07	3.12E-03	42	150.25
2001	20.01	9.52	453.7	4	1.23E-07	1.63E-03	38	129.4
2002	20.02	8.87	394.1	4	1.16E-07	1.42E-03	36	120.32
2003	20.03	8.54	347	4	1.26E-07	1.49E-03	34	115.53
2004	20.04	8.5	321.5	4	1.41E-07	1.64E-03	33	114.13
2005	20.05	8.57	321.5	4	1.51E-07	1.76E-03	33	114.76
2006	20.06	8.68	328.3	4	1.54E-07	1.82E-03	33	115.96
2007	20.07	8.76	332.7	4	1.72E-07	2.06E-03	34	117.94
2008	20.08	9	307.7	4	2.16E-07	2.68E-03	34	121.42
2009	20.09	9.42	288.3	4	3.06E-07	3.98E-03	34	127.57
2010	20.1	10.07	286	5	4.09E-07	5.63E-03	35	135.09
2011	20.11	10.61	297.3	5	4.83E-07	7.00E-03	37	142.04
2012	20.12	10.91	312.8	5	5.01E-07	7.45E-03	37	145.95
2013	20.13	10.91	321.2	5	4.05E-07	5.83E-03	37	141.18
2014	20.14	9.59	320.7	4	3.17E-07	4.35E-03	36	134.48
2015	20.15	9.48	320.7	4	2.40E-07	3.09E-03	35	126.56
2016	20.16	9.22	320.6	4	2.10E-07	2.65E-03	35	123.68
2017	20.17	8.97	330.6	4	1.89E-07	2.34E-03	34	121.59
2018	20.18	9.03	332.3	4	1.93E-07	2.38E-03	34	121.27
2019	20.19	9.15	305.8	4	2.32E-07	2.90E-03	34	122.46
2020	20.2	9.23	273.1	4	3.37E-07	4.27E-03	33	124.56
2021	20.21	9.48	222.8	5	5.61E-07	7.30E-03	33	127.68

2022	20.22	9.82	176.5	5	9.98E-07	1.33E-02	32	130.43
2023	20.23	9.82	141.6	5	2.00E-06	4.61E-02	31	226.26
2024	20.24	11.13	124.2	5	3.50E-06	7.79E-02	32	218.2
2025	20.25	11.82	124.5	6	5.65E-06	1.26E-01	33	218.01
2026	20.26	12.65	126.2	6	6.37E-06	1.44E-01	34	221.31
2027	20.27	12.41	133.4	6	5.54E-06	1.26E-01	33	222.53
2028	20.28	11.12	133.4	5	3.24E-06	7.56E-02	33	228.79
2029	20.29	10.31	168.9	5	1.89E-06	4.50E-02	32	233.38
2030	20.3	9.97	171.7	5	1.27E-06	1.73E-02	32	133.63
2031	20.31	9.53	167	5	1.08E-06	1.41E-02	31	127.38
2032	20.32	8.97	153.7	5	9.53E-07	1.17E-02	29	120.5
2033	20.33	8.5	142.4	5	8.35E-07	9.68E-03	28	113.72
2034	20.34	8.08	137.7	5	6.98E-07	7.64E-03	27	107.42
2035	20.35	7.62	136.2	5	6.06E-07	6.38E-03	26	103.3
2036	20.36	7.62	134.3	5	5.67E-07	5.82E-03	26	100.73
2037	20.37	7.53	127.7	5	6.58E-07	6.86E-03	26	102.33
2038	20.38	7.96	121.7	5	8.53E-07	9.26E-03	26	106.44
2039	20.39	8.5	119.9	5	1.18E-06	1.36E-02	27	113.17
2040	20.4	8.97	119.9	5	1.42E-06	1.70E-02	28	117.35
2041	20.41	8.86	118.6	5	1.41E-06	1.68E-02	28	116.98
2042	20.42	8.42	118.7	5	1.15E-06	1.32E-02	27	112.5
2043	20.43	8.01	124	5	8.48E-07	9.26E-03	27	107.08
2044	20.44	7.7	131.6	5	6.08E-07	6.33E-03	26	102.06
2045	20.45	7.35	139	5	4.27E-07	4.23E-03	26	97.17
2046	20.46	6.96	148.3	5	2.93E-07	2.76E-03	25	92.18
2047	20.47	6.63	158.1	4	2.14E-07	1.94E-03	25	88.82
2048	20.48	6.63	169.4	4	1.34E-07	1.12E-03	24	82.13
2049	20.49	5.53	173.1	4	9.26E-08	7.23E-04	24	76.56
2050	20.5	5.44	167.3	4	6.73E-08	4.85E-04	23	70.61
2051	20.51	5.35	155.6	4	7.40E-08	5.30E-04	22	70.24
2052	20.52	5.45	146.1	4	9.01E-08	6.51E-04	22	70.92
2053	20.53	5.58	134.4	4	1.23E-07	9.15E-04	22	73.05
2054	20.54	5.81	120.8	4	1.62E-07	1.24E-03	22	75.3
2055	20.55	5.93	120.8	4	2.27E-07	1.79E-03	22	77.26
2056	20.56	6	95.7	5	2.93E-07	2.33E-03	22	78.2
2057	20.57	6.01	89	5	3.92E-07	3.16E-03	21	79.04
2058	20.58	6.12	85.5	5	4.72E-07	3.89E-03	21	80.9
2059	20.59	6.4	84.9	5	6.22E-07	5.41E-03	22	85.26
2060	20.6	6.95	84.3	5	8.79E-07	8.26E-03	23	92.18
2061	20.61	7.6	87.4	5	1.33E-06	1.37E-02	24	101.25
2062	20.62	8.35	87.4	0	0.00E+00	0.00E+00	0	11.06
2063	20.63	8.35	-7777000	0	0.00E+00	0.00E+00	0	12.2
2064	20.64	9.99	-7777000	0	0.00E+00	0.00E+00	0	13.11
2065	20.65	10.24	-7777000	0	0.00E+00	0.00E+00	0	14.05

2066	20.66	10.31	-7777000	0	0.00E+00	0.00E+00	0	14.2
2067	20.67	10.31	-7777000	0	0.00E+00	0.00E+00	0	14.15
2068	20.68	10.15	-7777000	0	0.00E+00	0.00E+00	0	13.89
2069	20.69	9.75	-7777000	0	0.00E+00	0.00E+00	0	13.62
2070	20.7	9.75	-7777000	0	0.00E+00	0.00E+00	0	13.43

Dr (%)	Friction angle (°)	Estimations								
		Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	
35	38	0.3	0.38	0	0	0	0.33	0	14.04	
35	35	0.7	0.88	0	0	0	0.33	0	21.31	
38	34	1.32	1.66	0	0	0	0.33	0	29.28	
42	34	2.15	2.69	0	0	0	0.33	0	37.27	
49	36	3.47	4.35	0	0	0	0.33	0	47.41	
54	37	5.16	6.47	0	0	0	0.33	0	57.8	
61	39	6.9	8.64	0	0	0	0.33	0	66.81	
64	39	8.87	11.11	0	0	0	0.33	0	75.75	
70	40	10.7	13.4	0	0	0	0.33	0	83.19	
73	41	12.89	16.15	0	0	0	0.33	0	91.33	
77	42	14.73	18.46	0	0	0	0.33	0	97.64	
79	42	16.69	20.92	0	0	0	0.33	0	103.94	
82	43	18.36	23.01	0	0	0	0.33	0	109	
85	43	19.66	24.64	0	0	0	0.33	0	112.78	
87	43	21.34	26.75	0	0	0	0.33	0	117.52	
88	44	22.78	28.56	0	0	0	0.33	0	121.42	
89	44	24.43	30.62	0	0	0	0.33	0	125.74	
90	44	25.53	32	0	0	0	0.33	0	128.53	
91	44	26.64	33.38	0	0	0	0.33	0	131.29	
92	44	27.72	34.74	0	0	0	0.33	0	133.93	
93	44	28.82	36.13	0	0	0	0.33	0	136.58	
94	45	30.11	37.73	0	0	0	0.33	0	139.58	
97	45	31.6	39.61	0	0	0	0.33	0	143	
99	45	33.74	42.29	0	0	0	0.33	0	147.76	
100	46	35.58	44.59	0	0	0	0.33	0	151.74	
100	46	37.14	46.55	0	0	0	0.33	0	155.03	
100	46	38.65	48.45	0	0	0	0.33	0	158.16	
100	46	40.39	50.62	0	0	0	0.33	0	161.67	
100	46	42.74	53.57	0	0	0	0.33	0	166.31	
100	46	44.45	55.71	0	0	0	0.33	0	169.6	
100	47	46.08	57.75	0	0	0	0.33	0	172.68	
100	47	47.06	58.98	0	0	0	0.33	0	174.5	
100	47	48.13	60.32	0	0	0	0.33	0	176.48	
100	47	49.02	61.44	0	0	0	0.33	0	178.11	
100	47	49.69	62.28	0	0	0	0.33	0	179.32	
100	47	50.28	63.02	0	0	0	0.33	0	180.38	
100	47	50.93	63.83	0	0	0	0.33	0	181.54	
100	47	51.99	65.16	0	0	0	0.33	0	183.42	
100	47	53.28	66.78	0	0	0	0.33	0	185.68	
100	47	54.48	68.28	0	0	0	0.33	0	187.77	
100	47	55.31	69.33	0	0	0	0.33	0	189.2	

100	47	55.91	70.08	0	0	0	0.33	0	190.21
100	47	56.7	71.06	0	0	0	0.33	0	191.55
100	47	57.45	72	0	0	0	0.33	0	192.81
100	47	58.22	72.97	0	0	0	0.33	0	194.1
100	47	58.62	73.47	0	0	0	0.33	0	194.77
100	47	58.82	73.73	0	0	0	0.33	0	195.1
100	47	59.03	73.98	0	0	0	0.33	0	195.44
100	48	59.23	74.24	0	0	0	0.33	0	195.78
100	48	59.26	74.27	0	0	0	0.33	0	195.83
100	48	58.98	73.92	0	0	0	0.33	0	195.37
100	47	58.55	73.38	0	0	0	0.33	0	194.65
100	48	58.46	73.27	0	0	0	0.33	0	194.5
100	48	58.29	73.06	0	0	0	0.33	0	194.22
100	48	58.27	73.03	0	0	0	0.33	0	194.18
100	48	57.87	72.53	0	0	0	0.33	0	193.52
100	48	57.69	72.31	0	0	0	0.33	0	193.22
100	48	57.74	72.37	0	0	0	0.33	0	193.3
100	48	57.79	72.43	0	0	0	0.33	0	193.39
100	48	58.43	73.23	0	0	0	0.33	0	194.45
100	48	58.61	73.45	0	0	0	0.33	0	194.75
100	48	59.31	74.34	0	0	0	0.33	0	195.91
100	48	59.11	74.08	0	0	0	0.33	0	195.58
100	48	58.96	73.9	0	0	0	0.33	0	195.33
100	48	57.91	72.58	0	0	0	0.33	0	193.58
0	0	0	71.36	14	389.09	64.15	0.33	113.57	191.95
0	0	0	70.33	14	378.21	61.42	0.33	110.6	190.56
0	0	0	68.97	14	358.9	57.43	0.33	106.83	188.71
0	0	0	67.51	14	344.9	54.39	0.33	103.25	186.7
0	0	0	65.51	14	328.27	51.03	0.33	98.91	183.92
0	0	0	64.2	14	325.63	49.91	0.33	96.21	182.06
0	0	0	62.95	14	322.99	48.81	0.33	93.66	180.28
0	0	0	61.37	14	313.52	46.73	0.33	90.41	178.01
0	0	0	60.02	14	303.07	44.56	0.33	87.43	176.04
0	0	0	59.02	14	292.25	42.4	0.33	84.87	174.56
0	0	0	58.95	14	290.89	41.65	0.33	83.95	174.46
0	0	0	59.23	14	291.63	41.21	0.33	83.56	174.87
0	0	0	59.62	14	292.5	40.8	0.33	83.31	175.45
0	0	0	59.83	14	291.88	40.2	0.33	82.78	175.75
0	0	0	59.76	14	289.55	39.38	0.33	81.86	175.65
0	0	0	59.29	14	285.73	38.38	0.33	80.44	174.97
0	0	0	58.92	14	281.14	37.31	0.33	79.08	174.41
0	0	0	58.44	14	275.79	36.16	0.33	77.6	173.71
0	0	0	58.27	14	271.55	35.18	0.33	76.51	173.45
0	0	0	57.66	14	268.19	34.33	0.33	75.05	172.54

0	0	0	56.94	14	263.85	33.38	0.33	73.45	171.46
0	0	0	56.09	14	259.39	32.44	0.33	71.74	170.18
0	0	0	55.52	14	253.94	31.4	0.33	70.26	169.3
0	0	0	55.16	14	250.47	30.62	0.33	69.13	168.75
0	0	0	54.76	14	246.38	29.79	0.33	67.93	168.14
0	0	0	54.38	14	243.39	29.1	0.33	66.85	167.56
0	0	0	53.99	14	240.78	28.48	0.33	65.8	166.96
0	0	0	53.72	14	238.8	27.94	0.33	64.91	166.54
0	0	0	53.56	14	236.95	27.43	0.33	64.15	166.3
0	0	0	53.3	14	233.86	26.79	0.33	63.22	165.89
0	0	0	52.87	14	229.64	26.03	0.33	62.07	165.21
0	0	0	52.37	14	224.57	25.19	0.33	60.82	164.44
0	0	0	51.88	14	220.1	24.44	0.33	59.63	163.67
0	0	0	51.64	14	217.6	23.92	0.33	58.81	163.29
0	0	0	51.51	14	216.95	23.61	0.33	58.23	163.09
0	0	0	51.46	14	216.55	23.33	0.33	57.73	163
0	0	0	51.31	14	214.66	22.9	0.33	57.06	162.76
0	0	0	51.05	14	212.52	22.45	0.33	56.29	162.36
0	0	0	50.88	14	211.02	22.08	0.33	55.64	162.08
0	0	0	50.85	14	211.38	21.91	0.33	55.26	162.03
0	0	0	50.94	14	212.36	21.8	0.33	55.02	162.17
0	0	0	50.96	14	212.84	21.65	0.33	54.7	162.21
0	0	0	50.89	14	212.72	21.43	0.33	54.26	162.09
0	0	0	50.82	14	212.24	21.19	0.33	53.81	161.99
0	0	0	50.88	14	212	20.97	0.33	53.48	162.08
0	0	0	50.99	14	211.15	20.7	0.33	53.13	162.25
0	0	0	51.06	14	209.55	20.36	0.33	52.71	162.37
0	0	0	51.05	14	207.21	19.95	0.33	52.17	162.34
0	0	0	51.07	14	205.95	19.66	0.33	51.75	162.38
0	0	0	51.09	14	205.81	19.47	0.33	51.41	162.41
0	0	0	51.06	14	206.16	19.34	0.33	51.09	162.36
0	0	0	50.89	14	205.28	19.09	0.33	50.59	162.09
0	0	0	50.59	14	203.54	18.77	0.33	49.93	161.62
0	0	0	50.19	14	201.32	18.41	0.33	49.18	160.98
0	0	0	49.75	14	198.97	18.04	0.33	48.4	160.28
0	0	0	49.33	14	196.62	17.68	0.33	47.64	159.59
0	0	0	49.01	14	194.26	17.33	0.33	46.96	159.08
0	0	0	48.6	14	192.39	17.02	0.33	46.26	158.41
0	0	0	48.2	14	190.53	16.72	0.33	45.58	157.75
0	0	0	47.79	14	189.3	16.48	0.33	44.95	157.08
0	0	0	47.56	14	188.42	16.27	0.33	44.47	156.7
0	0	0	47.42	14	188.29	16.13	0.33	44.12	156.47
0	0	0	47.23	14	187.91	15.97	0.33	43.72	156.16
0	0	0	47.02	14	187.54	15.82	0.33	43.31	155.81

0	0	0	46.78	14	187.03	15.66	0.33	42.88	155.41
0	0	0	46.49	14	185.67	15.42	0.33	42.35	154.92
0	0	0	46.13	14	183.81	15.15	0.33	41.76	154.33
0	0	0	45.67	14	181.7	14.87	0.33	41.08	153.56
0	0	0	45.21	14	180.57	14.66	0.33	40.5	152.78
0	0	0	44.8	14	180.07	14.51	0.33	40.01	152.09
0	0	0	44.51	14	179.92	14.4	0.33	39.62	151.6
0	0	0	44.38	14	180.14	14.31	0.33	39.35	151.38
0	0	0	44.29	14	180.34	14.22	0.33	39.1	151.22
0	0	0	44.25	14	180.68	14.14	0.33	38.9	151.16
0	0	0	44.25	14	181.15	14.08	0.33	38.73	151.15
0	0	0	44.25	14	181.63	14.02	0.33	38.57	151.15
0	0	0	44.18	14	181.63	13.92	0.33	38.33	151.04
0	0	0	44.11	14	181.39	13.8	0.33	38.08	150.91
0	0	0	43.91	14	180.9	13.67	0.33	37.74	150.57
0	0	0	43.74	14	180.14	13.52	0.33	37.4	150.28
0	0	0	43.54	14	179	13.34	0.33	37.01	149.93
0	0	0	43.38	14	177.74	13.16	0.33	36.65	149.66
0	0	0	43.15	14	176.6	12.98	0.33	36.25	149.26
0	0	0	42.81	14	175.34	12.81	0.33	35.8	148.67
0	0	0	42.43	14	174.08	12.63	0.33	35.33	148.01
0	0	0	42.05	14	173.19	12.48	0.33	34.9	147.35
0	0	0	41.66	14	172.29	12.33	0.33	34.47	146.66
0	0	0	41.34	14	171.76	12.22	0.33	34.1	146.09
0	0	0	41.08	14	171.24	12.1	0.33	33.77	145.64
0	0	0	40.83	14	169.24	11.88	0.33	33.33	145.19
0	0	0	40.71	14	166.87	11.64	0.33	32.92	144.97
0	0	0	40.68	14	164.5	11.4	0.33	32.56	144.92
0	0	0	40.84	14	164.12	11.3	0.33	32.45	145.22
0	0	0	40.99	14	163.86	11.21	0.33	32.35	145.48
0	0	0	41.07	14	163.48	11.12	0.33	32.2	145.61
0	0	0	41.01	14	162.49	10.98	0.33	31.94	145.51
0	0	0	40.85	14	160.88	10.81	0.33	31.59	145.24
0	0	0	40.6	14	158.03	10.55	0.33	31.1	144.78
0	0	0	40.26	14	154.32	10.24	0.33	30.5	144.18
0	0	0	39.78	14	149.99	9.89	0.33	29.78	143.32
0	0	0	39.31	14	146.04	9.57	0.33	29.11	142.46
0	0	0	39	14	142.81	9.31	0.33	28.44	141.89
0	0	0	38.82	14	140.7	9.11	0.33	28.06	141.57
0	0	0	38.74	14	139.46	8.98	0.33	27.79	141.43
0	0	0	38.7	14	138.95	8.89	0.33	27.61	141.35
0	0	0	38.66	14	138.81	8.83	0.33	27.46	141.29
0	0	0	38.8	14	140.71	8.9	0.33	27.55	141.54
0	0	0	38.91	14	142.36	8.95	0.33	27.61	141.73

0	0	0	38.94	14	143.65	8.98	0.33	27.61	141.79
0	0	0	38.76	14	142.66	8.87	0.33	27.34	141.46
0	0	0	38.62	14	141.92	8.77	0.33	27.1	141.2
0	0	0	38.52	14	141.44	8.7	0.33	26.9	141.02
0	0	0	38.46	14	141.34	8.64	0.33	26.76	140.91
0	0	0	38.39	14	141.11	8.58	0.33	26.6	140.78
0	0	0	38.3	14	140.48	8.49	0.33	26.4	140.62
0	0	0	38.17	14	139.38	8.38	0.33	26.15	140.39
0	0	0	38.07	14	137.92	8.25	0.33	25.87	140.19
0	0	0	38.08	14	136.6	8.12	0.33	25.66	140.22
0	0	0	38.16	14	135.65	8.02	0.33	25.5	140.37
0	0	0	38.27	14	135.3	7.96	0.33	25.4	140.56
0	0	0	38.38	14	135.52	7.93	0.33	25.35	140.78
0	0	0	38.52	14	136.11	7.92	0.33	25.35	141.02
0	0	0	38.68	14	137.1	7.94	0.33	25.38	141.31
0	0	0	38.86	14	138.49	7.97	0.33	25.46	141.64
0	0	0	38.94	14	139.63	8	0.33	25.49	141.8
0	0	0	38.94	14	140.15	7.98	0.33	25.42	141.79
0	0	0	38.85	14	139.92	7.93	0.33	25.27	141.63
0	0	0	39.08	14	139.43	7.86	0.33	25.21	142.04
0	0	0	39.44	14	139.07	7.8	0.33	25.2	142.7
0	0	0	39.87	14	138.96	7.75	0.33	25.24	143.48
0	0	0	40.2	14	139.84	7.76	0.33	25.32	144.07
0	0	0	40.6	14	141.45	7.81	0.33	25.49	144.79
0	0	0	41.12	14	144.06	7.92	0.33	25.78	145.71
0	0	0	41.68	14	147.15	8.05	0.33	26.13	146.69
0	0	0	42.2	14	149.49	8.13	0.33	26.4	147.61
0	0	0	42.86	14	152.05	8.23	0.33	26.73	148.77
0	0	0	43.4	14	153.77	8.28	0.33	26.94	149.7
0	0	0	43.92	14	155.86	8.35	0.33	27.18	150.59
0	0	0	44.13	14	156.74	8.36	0.33	27.22	150.95
0	0	0	44.24	14	157.48	8.36	0.33	27.22	151.14
0	0	0	44.21	14	157.61	8.33	0.33	27.11	151.08
0	0	0	44.11	14	156.84	8.24	0.33	26.92	150.91
0	0	0	43.87	14	155.32	8.13	0.33	26.62	150.51
0	0	0	43.65	14	153.67	8	0.33	26.31	150.12
0	0	0	43.49	14	152.93	7.92	0.33	26.1	149.85
0	0	0	43.4	14	152.47	7.86	0.33	25.94	149.7
0	0	0	43.26	14	152.14	7.81	0.33	25.77	149.46
0	0	0	43.06	14	151.9	7.76	0.33	25.6	149.1
0	0	0	42.93	14	152.15	7.74	0.33	25.49	148.89
0	0	0	42.83	14	152.64	7.73	0.33	25.41	148.7
0	0	0	42.88	14	154.46	7.78	0.33	25.48	148.79
0	0	0	42.9	14	156.3	7.84	0.33	25.55	148.82

0	0	0	42.9	14	158.39	7.91	0.33	25.63	148.82
0	0	0	42.76	14	159.28	7.91	0.33	25.58	148.59
0	0	0	42.67	14	160.31	7.93	0.33	25.55	148.42
0	0	0	42.68	14	161.12	7.93	0.33	25.53	148.45
0	0	0	42.62	14	161.8	7.93	0.33	25.48	148.35
0	0	0	42.55	14	162.18	7.91	0.33	25.4	148.21
0	0	0	42.46	14	162.8	7.91	0.33	25.34	148.06
0	0	0	42.48	14	163.16	7.89	0.33	25.29	148.09
0	0	0	42.5	14	163.41	7.87	0.33	25.23	148.14
0	0	0	42.48	14	163.02	7.81	0.33	25.11	148.09
0	0	0	42.37	14	162.22	7.74	0.33	24.94	147.91
0	0	0	42.25	14	161.44	7.67	0.33	24.76	147.7
0	0	0	42.2	14	161.25	7.63	0.33	24.65	147.6
0	0	0	42.19	14	161.28	7.6	0.33	24.57	147.59
0	0	0	42.18	14	161.26	7.56	0.33	24.48	147.57
0	0	0	42.08	14	160.68	7.5	0.33	24.33	147.41
0	0	0	42.01	14	160.04	7.44	0.33	24.18	147.28
0	0	0	41.77	14	159.2	7.37	0.33	23.97	146.85
0	0	0	41.54	14	158.67	7.32	0.33	23.79	146.45
0	0	0	41.23	14	158.1	7.26	0.33	23.59	145.91
0	0	0	41.03	14	157.58	7.2	0.33	23.42	145.54
45	40	32.51	40.74	0	0	0	0.33	0	145.04
45	40	32.31	40.49	0	0	0	0.33	0	144.59
44	40	32.13	40.28	0	0	0	0.33	0	144.2
44	40	32.04	40.16	0	0	0	0.33	0	143.99
44	40	31.89	39.97	0	0	0	0.33	0	143.66
44	40	31.72	39.76	0	0	0	0.33	0	143.27
44	40	31.53	39.52	0	0	0	0.33	0	142.84
43	40	31.38	39.33	0	0	0	0.33	0	142.5
43	40	31.25	39.17	0	0	0	0.33	0	142.2
43	40	31.17	39.06	0	0	0	0.33	0	142.02
43	39	31.02	38.88	0	0	0	0.33	0	141.69
43	39	30.86	38.68	0	0	0	0.33	0	141.33
43	39	30.68	38.45	0	0	0	0.33	0	140.89
43	39	30.57	38.32	0	0	0	0.33	0	140.65
43	39	30.5	38.23	0	0	0	0.33	0	140.49
43	39	30.4	38.11	0	0	0	0.33	0	140.27
42	39	30.31	37.99	0	0	0	0.33	0	140.05
42	39	30.2	37.85	0	0	0	0.33	0	139.8
42	39	30.12	37.75	0	0	0	0.33	0	139.61
42	39	30.08	37.7	0	0	0	0.33	0	139.52
42	39	30.05	37.67	0	0	0	0.33	0	139.46
42	39	30.06	37.68	0	0	0	0.33	0	139.48
42	39	30.07	37.69	0	0	0	0.33	0	139.49

42	39	29.55	37.04	0	0	0	0.33	0	138.28
41	39	29.03	36.39	0	0	0	0.33	0	137.07
41	38	28.23	35.38	0	0	0	0.33	0	135.16
41	38	28.08	35.2	0	0	0	0.33	0	134.81
41	38	27.96	35.05	0	0	0	0.33	0	134.52
41	38	28.17	35.31	0	0	0	0.33	0	135.03
41	38	28.36	35.55	0	0	0	0.33	0	135.48
41	38	28.5	35.72	0	0	0	0.33	0	135.8
41	38	28.59	35.83	0	0	0	0.33	0	136.02
41	38	28.65	35.91	0	0	0	0.33	0	136.17
41	38	29	36.35	0	0	0	0.33	0	137
41	38	29.34	36.77	0	0	0	0.33	0	137.79
42	38	29.63	37.14	0	0	0	0.33	0	138.48
42	38	29.74	37.28	0	0	0	0.33	0	138.73
42	38	29.92	37.5	0	0	0	0.33	0	139.14
42	38	30.15	37.79	0	0	0	0.33	0	139.68
41	38	30.28	37.96	0	0	0	0.33	0	139.99
41	39	30.34	38.03	0	0	0	0.33	0	140.12
41	39	30.35	38.04	0	0	0	0.33	0	140.15
41	39	30.34	38.02	0	0	0	0.33	0	140.11
41	39	30.33	38.01	0	0	0	0.33	0	140.09
40	39	30.05	37.66	0	0	0	0.33	0	139.44
40	39	29.67	37.19	0	0	0	0.33	0	138.57
39	39	29.15	36.53	0	0	0	0.33	0	137.33
39	39	28.72	35.99	0	0	0	0.33	0	136.32
38	38	28.21	35.35	0	0	0	0.33	0	135.1
38	38	27.66	34.66	0	0	0	0.33	0	133.78
38	38	27.15	34.02	0	0	0	0.33	0	132.54
38	38	26.72	33.49	0	0	0	0.33	0	131.5
37	38	26.38	33.06	0	0	0	0.33	0	130.64
37	37	26.1	32.71	0	0	0	0.33	0	129.96
37	37	25.91	32.47	0	0	0	0.33	0	129.49
37	37	25.81	32.34	0	0	0	0.33	0	129.23
37	37	25.77	32.3	0	0	0	0.33	0	129.14
37	37	25.78	32.31	0	0	0	0.33	0	129.15
37	37	25.79	32.32	0	0	0	0.33	0	129.19
37	37	25.83	32.38	0	0	0	0.33	0	129.29
37	37	25.88	32.44	0	0	0	0.33	0	129.41
37	37	25.85	32.4	0	0	0	0.33	0	129.33
37	37	25.77	32.29	0	0	0	0.33	0	129.12
36	37	25.61	32.1	0	0	0	0.33	0	128.75
36	37	25.48	31.93	0	0	0	0.33	0	128.41
36	37	25.31	31.72	0	0	0	0.33	0	127.97
36	37	25.17	31.54	0	0	0	0.33	0	127.61

36	37	25.09	31.45	0	0	0	0.33	0	127.43
36	37	25.11	31.47	0	0	0	0.33	0	127.47
35	37	25.04	31.38	0	0	0	0.33	0	127.29
35	37	24.98	31.3	0	0	0	0.33	0	127.13
35	37	24.82	31.11	0	0	0	0.33	0	126.74
0	0	0	30.96	14	107.43	3.76	0.33	13.57	126.44
0	0	0	30.66	14	105.22	3.67	0.33	13.31	125.83
0	0	0	30.29	14	103.21	3.59	0.33	13.06	125.05
0	0	0	29.89	14	101.44	3.52	0.33	12.82	124.23
0	0	0	29.52	14	99.84	3.45	0.33	12.6	123.46
0	0	0	29.12	14	98.07	3.38	0.33	12.37	122.62
0	0	0	28.67	14	96.28	3.3	0.33	12.13	121.67
0	0	0	28.15	14	94.55	3.24	0.33	11.88	120.55
0	0	0	27.62	14	93.28	3.18	0.33	11.66	119.41
0	0	0	27.05	14	92.03	3.13	0.33	11.45	118.17
31	36	21.15	26.51	0	0	0	0.33	0	116.99
31	36	20.77	26.03	0	0	0	0.33	0	115.94
31	36	20.46	25.64	0	0	0	0.33	0	115.06
30	36	20.25	25.38	0	0	0	0.33	0	114.48
30	36	20.03	25.11	0	0	0	0.33	0	113.86
30	36	19.88	24.91	0	0	0	0.33	0	113.41
30	36	19.71	24.7	0	0	0	0.33	0	112.94
30	35	19.63	24.61	0	0	0	0.33	0	112.72
30	35	19.56	24.52	0	0	0	0.33	0	112.52
30	35	19.49	24.43	0	0	0	0.33	0	112.31
30	35	19.41	24.33	0	0	0	0.33	0	112.07
30	35	19.33	24.23	0	0	0	0.33	0	111.84
30	35	19.27	24.15	0	0	0	0.33	0	111.66
30	35	19.24	24.11	0	0	0	0.33	0	111.57
30	35	19.24	24.11	0	0	0	0.33	0	111.57
30	35	19.28	24.17	0	0	0	0.33	0	111.71
30	35	19.38	24.29	0	0	0	0.33	0	111.99
30	35	19.52	24.47	0	0	0	0.33	0	112.39
30	35	19.68	24.66	0	0	0	0.33	0	112.85
30	35	19.83	24.86	0	0	0	0.33	0	113.29
30	35	19.99	25.06	0	0	0	0.33	0	113.74
30	35	20.18	25.29	0	0	0	0.33	0	114.28
30	35	20.39	25.55	0	0	0	0.33	0	114.86
30	35	20.63	25.85	0	0	0	0.33	0	115.53
31	35	20.86	26.15	0	0	0	0.33	0	116.19
31	36	21.11	26.46	0	0	0	0.33	0	116.88
31	36	21.34	26.75	0	0	0	0.33	0	117.53
31	36	21.54	27	0	0	0	0.33	0	118.06
31	36	21.66	27.15	0	0	0	0.33	0	118.39

31	36	21.69	27.18	0	0	0	0.33	0	118.47
31	36	21.67	27.15	0	0	0	0.33	0	118.41
30	36	21.65	27.14	0	0	0	0.33	0	118.37
30	36	21.61	27.08	0	0	0	0.33	0	118.25
30	36	21.49	26.93	0	0	0	0.33	0	117.91
0	0	0	26.67	14	89.21	2.73	0.33	10.28	117.34
0	0	0	26.36	14	87.41	2.67	0.33	10.08	116.66
0	0	0	26.07	14	85.91	2.62	0.33	9.91	116.02
0	0	0	25.75	14	84.54	2.57	0.33	9.74	115.3
0	0	0	25.48	14	83.76	2.54	0.33	9.62	114.7
0	0	0	25.14	14	82.22	2.49	0.33	9.44	113.92
0	0	0	24.9	14	80.82	2.44	0.33	9.28	113.38
0	0	0	24.69	14	79.2	2.38	0.33	9.11	112.9
28	35	18.4	23.06	0	0	0	0.33	0	109.11
27	34	17.07	21.4	0	0	0	0.33	0	105.11
27	33	15.65	19.62	0	0	0	0.33	0	100.64
27	33	16	20.05	0	0	0	0.33	0	101.75
27	33	16.21	20.32	0	0	0	0.33	0	102.43
27	33	16.33	20.47	0	0	0	0.33	0	102.8
27	33	16.4	20.55	0	0	0	0.33	0	103.01
27	33	16.44	20.6	0	0	0	0.33	0	103.14
27	33	16.79	21.04	0	0	0	0.33	0	104.24
27	33	17.11	21.45	0	0	0	0.33	0	105.24
28	34	17.45	21.87	0	0	0	0.33	0	106.27
27	34	17.46	21.89	0	0	0	0.33	0	106.31
27	34	17.43	21.85	0	0	0	0.33	0	106.21
27	34	17.35	21.74	0	0	0	0.33	0	105.95
27	34	17.25	21.61	0	0	0	0.33	0	105.64
27	34	17.16	21.51	0	0	0	0.33	0	105.37
27	33	17.07	21.39	0	0	0	0.33	0	105.09
27	33	16.98	21.28	0	0	0	0.33	0	104.82
27	33	16.93	21.22	0	0	0	0.33	0	104.67
27	33	16.91	21.19	0	0	0	0.33	0	104.6
27	33	16.89	21.17	0	0	0	0.33	0	104.56
27	33	16.87	21.14	0	0	0	0.33	0	104.47
27	33	16.83	21.09	0	0	0	0.33	0	104.35
27	33	16.78	21.03	0	0	0	0.33	0	104.2
27	33	16.78	21.04	0	0	0	0.33	0	104.22
27	33	16.91	21.2	0	0	0	0.33	0	104.61
27	33	17.12	21.46	0	0	0	0.33	0	105.26
27	33	17.41	21.82	0	0	0	0.33	0	106.15
27	33	17.7	22.18	0	0	0	0.33	0	107.01
27	34	18.01	22.57	0	0	0	0.33	0	107.95
28	34	18.26	22.88	0	0	0	0.33	0	108.7

28	34	18.5	23.19	0	0	0	0.33	0	109.42
28	34	18.72	23.46	0	0	0	0.33	0	110.06
28	34	18.9	23.69	0	0	0	0.33	0	110.59
29	34	19.11	23.95	0	0	0	0.33	0	111.21
29	34	19.39	24.31	0	0	0	0.33	0	112.03
29	34	19.69	24.68	0	0	0	0.33	0	112.89
29	34	19.96	25.01	0	0	0	0.33	0	113.64
29	34	20.07	25.15	0	0	0	0.33	0	113.95
29	34	20.06	25.14	0	0	0	0.33	0	113.93
29	34	19.74	24.74	0	0	0	0.33	0	113.02
29	33	19.18	24.04	0	0	0	0.33	0	111.42
29	34	20.65	25.88	0	0	0	0.33	0	115.6
30	36	23.69	29.69	0	0	0	0.33	0	123.81
0	0	0	35.17	14	106.72	2.85	0.33	11.35	134.75
0	0	0	41.17	14	120.88	3.22	0.33	12.96	145.79
0	0	0	48.42	14	151.63	4.03	0.33	15.92	158.11
0	0	0	56.86	14	203.05	5.39	0.33	20.46	171.34
47	40	52.2	65.43	0	0	0	0.33	0	183.8
52	41	58.76	73.65	0	0	0	0.33	0	195
56	41	64.88	81.32	0	0	0	0.33	0	204.91
58	42	70.26	88.06	0	0	0	0.33	0	213.23
60	42	74.85	93.81	0	0	0	0.33	0	220.08
61	42	77.77	97.48	0	0	0	0.33	0	224.34
62	43	83.82	105.06	0	0	0	0.33	0	232.9
64	43	89.52	112.19	0	0	0	0.33	0	240.68
0	0	0	119.87	14	524.07	13.61	0.33	48.94	248.78
0	0	0	122.98	14	534.29	13.84	0.33	49.9	251.98
0	0	0	125.2	14	544.25	14.07	0.33	50.73	254.25
0	0	0	126.81	14	560.59	14.45	0.33	51.91	255.88
0	0	0	127.37	14	565.2	14.54	0.33	52.2	256.44
0	0	0	127.89	14	566.23	14.53	0.33	52.24	256.97
0	0	0	126.8	14	547.16	14.01	0.33	50.76	255.87
0	0	0	126.5	14	537.91	13.74	0.33	50.03	255.57
0	0	0	126.28	14	528.68	13.47	0.33	49.31	255.35
0	0	0	127.74	14	527.99	13.42	0.33	49.34	256.82
0	0	0	129.36	14	530.55	13.46	0.33	49.6	258.44
0	0	0	130.46	14	538.46	13.63	0.33	50.16	259.54
0	0	0	131.49	14	555.12	14.01	0.33	51.3	260.55
0	0	0	133.07	14	580.35	14.62	0.33	53.05	262.12
0	0	0	135.72	14	607.98	15.28	0.33	55.07	264.72
0	0	0	138.81	14	624.74	15.66	0.33	56.42	267.72
0	0	0	141.13	14	626.58	15.67	0.33	56.71	269.94
0	0	0	142.18	14	619.42	15.46	0.33	56.26	270.94
0	0	0	146.6	14	674.09	16.78	0.33	60.21	275.12

75	45	121.9	152.78	0	0	0	0.33	0	280.86
78	45	127.7	160.05	0	0	0	0.33	0	287.46
78	45	130.04	162.99	0	0	0	0.33	0	290.09
0	0	0	165	14	796.66	19.66	0.33	69.76	291.88
0	0	0	166.69	14	783.86	19.3	0.33	69.03	293.37
0	0	0	169.38	14	798.28	19.61	0.33	70.15	295.73
0	0	0	171.51	14	814.57	19.96	0.33	71.32	297.58
0	0	0	169.9	14	795.53	19.45	0.33	69.81	296.18
0	0	0	165.24	14	738.14	18.01	0.33	65.51	292.09
0	0	0	157.7	14	660.32	16.07	0.33	59.54	285.35
0	0	0	150.65	14	599.76	14.57	0.33	54.74	278.9
0	0	0	144.46	14	559.32	13.55	0.33	51.35	273.11
0	0	0	139.12	14	531.78	12.86	0.33	48.9	268.01
0	0	0	135.74	14	518.08	12.5	0.33	47.58	264.73
0	0	0	135.54	14	542.86	13.07	0.33	49.13	264.54
0	0	0	138.12	14	595.88	14.31	0.33	52.78	267.05
0	0	0	142.4	14	670.53	16.07	0.33	57.93	271.15
74	45	117.5	147.26	0	0	0	0.33	0	275.74
76	45	120.86	151.48	0	0	0	0.33	0	279.66
76	45	122.99	154.15	0	0	0	0.33	0	282.12
75	45	123.32	154.56	0	0	0	0.33	0	282.49
0	0	0	153.71	14	729.55	17.3	0.33	62.42	281.72
0	0	0	152.58	14	680.33	16.09	0.33	59.08	280.68
0	0	0	151.36	14	643.97	15.2	0.33	56.53	279.56
0	0	0	150.23	14	619.35	14.59	0.33	54.73	278.51
0	0	0	142.03	14	568.24	13.35	0.33	50.53	270.8
0	0	0	133.13	14	513.3	12.04	0.33	46.01	262.17
0	0	0	122.88	14	449.84	10.53	0.33	40.8	251.89
0	0	0	119.29	14	420.17	9.81	0.33	38.43	248.18
0	0	0	116.27	14	394.97	9.2	0.33	36.4	245.01
0	0	0	111.75	14	370.55	8.62	0.33	34.3	240.2
0	0	0	108.12	14	354.9	8.23	0.33	32.88	236.27
0	0	0	105.15	14	347.14	8.04	0.33	32.06	233.01
0	0	0	109.56	14	403.54	9.32	0.33	36.18	237.83
0	0	0	113.81	14	459.33	10.59	0.33	40.16	242.41
0	0	0	125.18	14	515.89	11.87	0.33	44.8	254.23
0	0	0	134.45	14	535.29	12.29	0.33	46.82	263.47
0	0	0	144.67	14	555.31	12.72	0.33	48.95	273.31
0	0	0	158.51	14	698.41	15.97	0.33	59.36	286.08
0	0	0	172.71	14	854.77	19.5	0.33	70.44	298.62
84	46	148.93	186.66	0	0	0	0.33	0	310.44
85	46	154.39	193.51	0	0	0	0.33	0	316.09
85	46	158.87	199.11	0	0	0	0.33	0	320.63
0	0	0	202.87	14	1045.68	23.66	0.33	84.81	323.64

0	0	0	206.51	14	1034	23.34	0.33	84.36	326.54
0	0	0	206.35	14	998.61	22.5	0.33	82.04	326.41
0	0	0	203.21	14	930.01	20.91	0.33	77.36	323.91
0	0	0	195.52	14	839.8	18.84	0.33	70.86	317.73
0	0	0	187.02	14	746.14	16.71	0.33	64.01	310.74
0	0	0	177.77	14	660.02	14.75	0.33	57.55	302.96
0	0	0	169.49	14	592.06	13.2	0.33	52.32	295.83
0	0	0	163.04	14	551.28	12.27	0.33	49.02	290.14
0	0	0	158.14	14	525.22	11.66	0.33	46.83	285.75
0	0	0	155.18	14	522.5	11.58	0.33	46.36	283.06
0	0	0	153.77	14	529.54	11.71	0.33	46.65	281.77
0	0	0	152.85	14	544.36	12.01	0.33	47.49	280.93
0	0	0	152.72	14	556.1	12.25	0.33	48.18	280.81
0	0	0	154.56	14	587.51	12.91	0.33	50.29	282.49
0	0	0	161.38	14	651.88	14.3	0.33	54.91	288.66
0	0	0	169.54	14	730.06	15.98	0.33	60.47	295.86
0	0	0	177.35	14	797.35	17.42	0.33	65.27	302.6
0	0	0	182.4	14	832.77	18.16	0.33	67.82	306.88
0	0	0	185.03	14	851.28	18.53	0.33	69.1	309.09
0	0	0	183.93	14	827.65	17.98	0.33	67.44	308.17
0	0	0	182.11	14	804.29	17.43	0.33	65.74	306.64
0	0	0	179.39	14	771.9	16.7	0.33	63.39	304.34
0	0	0	177.01	14	745.21	16.09	0.33	61.42	302.31
0	0	0	174.25	14	711.11	15.32	0.33	58.96	299.95
0	0	0	171.83	14	676.65	14.55	0.33	56.49	297.85
0	0	0	170.47	14	661.7	14.2	0.33	55.34	296.67
0	0	0	169.51	14	662.56	14.19	0.33	55.24	295.84
0	0	0	169.21	14	677.37	14.48	0.33	56.08	295.58
0	0	0	168.15	14	690.57	14.73	0.33	56.75	294.65
0	0	0	163.21	14	654.11	13.93	0.33	53.98	290.29
0	0	0	156.76	14	601.08	12.77	0.33	50.04	284.5
0	0	0	148.6	14	529.9	11.24	0.33	44.79	276.99
0	0	0	142.8	14	488.73	10.35	0.33	41.64	271.53
0	0	0	137.97	14	450.91	9.53	0.33	38.76	266.9
0	0	0	132.41	14	421.12	8.88	0.33	36.37	261.47
0	0	0	126.16	14	397.01	8.36	0.33	34.31	255.22
0	0	0	118.99	14	375.61	7.89	0.33	32.39	247.87
0	0	0	112.78	14	357.19	7.49	0.33	30.73	241.31
0	0	0	106.91	14	334.94	7.01	0.33	28.84	234.94
0	0	0	101.2	14	314.42	6.57	0.33	27.08	228.58
0	0	0	96.65	14	297.24	6.2	0.33	25.62	223.39
0	0	0	93.04	14	289.2	6.02	0.33	24.83	219.17
0	0	0	88.35	14	267.33	5.55	0.33	23.05	213.58
0	0	0	82.9	14	239.04	4.95	0.33	20.8	206.89

0	0	0	76.81	14	201.84	4.18	0.33	17.91	199.14
0	0	0	71.91	14	176.86	3.65	0.33	15.9	192.69
0	0	0	66.21	14	155.34	3.2	0.33	14.09	184.89
0	0	0	60.11	14	134.56	2.77	0.33	12.31	176.17
0	0	0	53.58	14	113.29	2.33	0.33	10.47	166.33
0	0	0	48.49	14	95.86	1.96	0.33	8.98	158.23
0	0	0	44.21	14	82.39	1.69	0.33	7.79	151.08
0	0	0	40.51	14	72.02	1.47	0.33	6.79	144.62
0	0	0	37.17	14	62.27	1.27	0.33	5.86	138.53
0	0	0	34.04	14	54.98	1.12	0.33	5.17	132.57
0	0	0	31.23	14	48.94	0.99	0.33	4.59	126.99
0	0	0	28.48	14	44.75	0.91	0.33	4.19	121.26
0	0	0	26.26	14	42.29	0.86	0.33	3.95	116.44
0	0	0	24.33	14	41.8	0.84	0.33	3.9	112.08
0	0	0	22.76	14	41.8	0.84	0.33	3.89	108.41
0	0	0	21.53	14	41.81	0.84	0.33	3.86	105.43
0	0	0	20.73	14	41.69	0.84	0.33	3.81	103.45
0	0	0	20.16	14	41.45	0.83	0.33	3.77	102.04
0	0	0	19.74	14	40.95	0.82	0.33	3.71	100.96
0	0	0	19.48	14	40.34	0.81	0.33	3.65	100.28
0	0	0	19.31	14	39.61	0.79	0.33	3.58	99.85
0	0	0	19.21	14	38.87	0.77	0.33	3.52	99.6
0	0	0	19.48	14	38.38	0.76	0.33	3.49	100.29
0	0	0	19.85	14	38.27	0.76	0.33	3.49	101.25
0	0	0	20.66	14	38.77	0.77	0.33	3.54	103.29
0	0	0	21.65	14	40.14	0.79	0.33	3.66	105.73
0	0	0	22.97	14	44.23	0.87	0.33	4.01	108.91
0	0	0	24.45	14	51.89	1.02	0.33	4.61	112.36
0	0	0	25.98	14	63.27	1.24	0.33	5.45	115.82
0	0	0	27.06	14	71.79	1.41	0.33	6.06	118.2
0	0	0	28.47	14	84.27	1.65	0.33	6.95	121.23
0	0	0	29.08	14	91.18	1.78	0.33	7.41	122.52
26	34	23.18	29.06	0	0	0	0.33	0	122.48
0	0	0	27.66	14	86.21	1.68	0.33	7	119.5
0	0	0	26.12	14	75.7	1.47	0.33	6.23	116.12
0	0	0	24.81	14	66.32	1.29	0.33	5.54	113.18
0	0	0	23.45	14	58.54	1.13	0.33	4.95	110.04
0	0	0	21.91	14	52.38	1.01	0.33	4.46	106.37
0	0	0	20.13	14	47.46	0.92	0.33	4.05	101.95
0	0	0	18.85	14	43.91	0.85	0.33	3.75	98.66
0	0	0	17.91	14	41.6	0.8	0.33	3.55	96.16
0	0	0	17.31	14	40.16	0.77	0.33	3.42	94.54
0	0	0	16.87	14	39.44	0.76	0.33	3.35	93.33
0	0	0	16.59	14	39.07	0.75	0.33	3.31	92.55

0	0	0	16.62	14	40.43	0.77	0.33	3.39	92.63
0	0	0	16.68	14	41.77	0.8	0.33	3.48	92.8
0	0	0	16.81	14	43.18	0.82	0.33	3.58	93.16
0	0	0	16.86	14	43.31	0.82	0.33	3.58	93.3
0	0	0	16.82	14	43.4	0.82	0.33	3.58	93.18
0	0	0	16.75	14	43.47	0.82	0.33	3.57	93
0	0	0	16.67	14	43.4	0.82	0.33	3.56	92.76
0	0	0	16.75	14	43.42	0.82	0.33	3.56	92.99
0	0	0	16.86	14	43.55	0.82	0.33	3.57	93.3
0	0	0	17.12	14	43.78	0.82	0.33	3.59	94.02
0	0	0	17.37	14	44.12	0.83	0.33	3.62	94.7
0	0	0	17.6	14	44.31	0.83	0.33	3.63	95.32
0	0	0	17.69	14	44.47	0.83	0.33	3.64	95.57
0	0	0	17.73	14	44.51	0.83	0.33	3.64	95.68
0	0	0	17.74	14	44.65	0.83	0.33	3.64	95.7
0	0	0	17.73	14	44.79	0.83	0.33	3.65	95.67
0	0	0	17.71	14	44.91	0.83	0.33	3.65	95.63
0	0	0	17.68	14	44.88	0.83	0.33	3.64	95.54
0	0	0	17.6	14	44.85	0.83	0.33	3.63	95.34
0	0	0	17.47	14	44.71	0.83	0.33	3.61	94.97
0	0	0	17.39	14	44.53	0.82	0.33	3.59	94.76
0	0	0	17.38	14	44.31	0.82	0.33	3.57	94.72
0	0	0	17.45	14	44.29	0.81	0.33	3.56	94.92
0	0	0	17.51	14	44.32	0.81	0.33	3.56	95.08
0	0	0	17.56	14	44.25	0.81	0.33	3.55	95.21
0	0	0	17.59	14	44.1	0.81	0.33	3.54	95.3
0	0	0	17.62	14	43.93	0.8	0.33	3.53	95.39
0	0	0	17.62	14	43.84	0.8	0.33	3.51	95.39
0	0	0	17.62	14	43.75	0.8	0.33	3.5	95.39
0	0	0	17.63	14	43.57	0.79	0.33	3.49	95.42
0	0	0	17.65	14	43.3	0.79	0.33	3.46	95.47
0	0	0	17.61	14	43.02	0.78	0.33	3.44	95.35
0	0	0	17.52	14	42.74	0.77	0.33	3.41	95.11
0	0	0	17.47	14	42.46	0.77	0.33	3.39	94.98
0	0	0	17.54	14	42.07	0.76	0.33	3.36	95.16
0	0	0	17.64	14	41.79	0.75	0.33	3.34	95.43
0	0	0	17.79	14	41.62	0.75	0.33	3.33	95.85
0	0	0	17.86	14	41.42	0.74	0.33	3.31	96.03
0	0	0	17.94	14	41.23	0.74	0.33	3.3	96.26
0	0	0	17.95	14	40.89	0.73	0.33	3.27	96.27
0	0	0	18	14	40.7	0.73	0.33	3.25	96.39
0	0	0	18.07	14	40.56	0.72	0.33	3.24	96.58
0	0	0	18.16	14	40.56	0.72	0.33	3.24	96.82
0	0	0	18.27	14	40.56	0.72	0.33	3.24	97.11

0	0	0	18.36	14	40.59	0.72	0.33	3.24	97.36
0	0	0	18.49	14	40.75	0.72	0.33	3.25	97.7
0	0	0	18.59	14	40.89	0.72	0.33	3.25	97.98
0	0	0	18.67	14	40.94	0.72	0.33	3.26	98.18
0	0	0	18.65	14	40.85	0.72	0.33	3.24	98.13
0	0	0	18.62	14	40.9	0.72	0.33	3.24	98.04
0	0	0	18.6	14	41.09	0.72	0.33	3.25	97.99
0	0	0	18.62	14	41.31	0.72	0.33	3.26	98.06
0	0	0	18.63	14	41.54	0.73	0.33	3.27	98.08
0	0	0	18.62	14	41.79	0.73	0.33	3.28	98.05
0	0	0	18.62	14	42.27	0.74	0.33	3.31	98.05
0	0	0	18.62	14	42.75	0.74	0.33	3.33	98.05
0	0	0	18.62	14	43.23	0.75	0.33	3.36	98.04
0	0	0	18.56	14	43.45	0.75	0.33	3.37	97.89
0	0	0	18.5	14	43.71	0.76	0.33	3.38	97.74
0	0	0	18.33	14	43.99	0.76	0.33	3.38	97.27
0	0	0	18.16	14	44.4	0.77	0.33	3.4	96.82
0	0	0	18	14	44.63	0.77	0.33	3.4	96.41
0	0	0	17.98	14	44.72	0.77	0.33	3.4	96.35
0	0	0	17.96	14	44.48	0.76	0.33	3.38	96.3
0	0	0	17.93	14	44.32	0.76	0.33	3.37	96.22
0	0	0	17.9	14	44.17	0.76	0.33	3.35	96.13
0	0	0	17.94	14	44.22	0.76	0.33	3.35	96.25
0	0	0	17.92	14	43.95	0.75	0.33	3.33	96.18
0	0	0	17.86	14	43.62	0.74	0.33	3.3	96.04
0	0	0	17.79	14	43.29	0.74	0.33	3.27	95.83
0	0	0	17.84	14	43.23	0.74	0.33	3.27	95.96
0	0	0	17.91	14	43.22	0.73	0.33	3.26	96.17
0	0	0	17.97	14	43.2	0.73	0.33	3.26	96.32
0	0	0	17.72	14	42.94	0.73	0.33	3.23	95.65
0	0	0	17.53	14	42.63	0.72	0.33	3.2	95.13
0	0	0	17.38	14	42.15	0.71	0.33	3.16	94.74
0	0	0	17.47	14	41.99	0.71	0.33	3.15	94.97
0	0	0	17.84	14	41.85	0.7	0.33	3.15	95.99
0	0	0	18.69	14	42.1	0.71	0.33	3.18	98.24
0	0	0	19.87	14	44.1	0.74	0.33	3.34	101.29
0	0	0	20.95	14	49.34	0.83	0.33	3.69	104
0	0	0	22.11	14	58.91	0.98	0.33	4.32	106.84
0	0	0	23.63	14	71.22	1.19	0.33	5.11	110.46
22	32	20.21	25.33	0	0	0	0.33	0	114.36
23	32	21.19	26.55	0	0	0	0.33	0	117.09
24	32	21.47	26.91	0	0	0	0.33	0	117.86
23	32	21.37	26.79	0	0	0	0.33	0	117.6
23	32	21.06	26.39	0	0	0	0.33	0	116.74

22	32	20.79	26.05	0	0	0	0.33	0	115.98
0	0	0	25.62	14	78.2	1.29	0.33	5.55	115.02
0	0	0	25.23	14	73.95	1.22	0.33	5.28	114.13
0	0	0	27.57	14	70.2	1.16	0.33	5.11	119.32
0	0	0	30.05	14	68.74	1.13	0.33	5.08	124.56
0	0	0	32.9	14	70.78	1.16	0.33	5.27	130.33
0	0	0	33.96	14	73.41	1.2	0.33	5.46	132.41
0	0	0	35.79	14	83.99	1.37	0.33	6.16	135.93
0	0	0	37.24	14	94.06	1.54	0.33	6.81	138.66
0	0	0	38.54	14	104.14	1.7	0.33	7.46	141.06
0	0	0	39.07	14	105.57	1.72	0.33	7.55	142.04
0	0	0	40.3	14	110.83	1.8	0.33	7.89	144.24
0	0	0	41.39	14	113.26	1.84	0.33	8.06	146.18
0	0	0	42.24	14	113.48	1.84	0.33	8.09	147.68
0	0	0	42.43	14	106.73	1.73	0.33	7.67	148.01
0	0	0	42.99	14	102.85	1.66	0.33	7.44	148.99
0	0	0	43.68	14	102.35	1.65	0.33	7.41	150.18
0	0	0	44.67	14	105.35	1.7	0.33	7.61	151.87
0	0	0	45.31	14	111.34	1.79	0.33	7.99	152.96
0	0	0	45.74	14	120.43	1.94	0.33	8.54	153.67
0	0	0	45.38	14	131.55	2.11	0.33	9.19	153.07
0	0	0	44.96	14	141.9	2.27	0.33	9.78	152.36
0	0	0	45.15	14	149.07	2.39	0.33	10.19	152.69
0	0	0	46.03	14	150.94	2.41	0.33	10.31	154.16
0	0	0	47.17	14	150.55	2.4	0.33	10.32	156.05
0	0	0	46.83	14	133.33	2.12	0.33	9.28	155.49
0	0	0	45.2	14	110.97	1.77	0.33	7.88	152.77
0	0	0	42.22	14	85.06	1.35	0.33	6.2	147.64
0	0	0	40.57	14	72.82	1.16	0.33	5.34	144.74
0	0	0	39.86	14	65.99	1.05	0.33	4.83	143.47
0	0	0	40.26	14	63.9	1.01	0.33	4.67	144.18
0	0	0	41.4	14	68.29	1.08	0.33	4.98	146.21
0	0	0	43.19	14	80.05	1.26	0.33	5.83	149.32
0	0	0	45.3	14	97.03	1.53	0.33	6.96	152.94
0	0	0	47.09	14	111.67	1.76	0.33	7.88	155.93
0	0	0	48.39	14	120.87	1.9	0.33	8.46	158.07
0	0	0	49.23	14	123.55	1.94	0.33	8.63	159.43
0	0	0	49.88	14	123.63	1.94	0.33	8.64	160.48
0	0	0	50.57	14	122.5	1.92	0.33	8.57	161.59
0	0	0	51.49	14	120.87	1.89	0.33	8.49	163.06
0	0	0	52.2	14	119.62	1.86	0.33	8.41	164.17
0	0	0	52.92	14	119.08	1.85	0.33	8.39	165.3
0	0	0	52.96	14	118.66	1.84	0.33	8.35	165.36
0	0	0	52.63	14	117.03	1.82	0.33	8.23	164.85

0	0	0	51.77	14	114.08	1.77	0.33	8.02	163.49
0	0	0	51.02	14	110.29	1.71	0.33	7.77	162.3
0	0	0	50.47	14	106.49	1.65	0.33	7.51	161.43
0	0	0	49.89	14	102.93	1.59	0.33	7.27	160.49
0	0	0	49.52	14	100.71	1.55	0.33	7.12	159.9
0	0	0	49.25	14	98.99	1.52	0.33	7	159.46
0	0	0	49.7	14	99.9	1.54	0.33	7.06	160.19
0	0	0	50.62	14	103.2	1.58	0.33	7.27	161.67
0	0	0	52.07	14	109.6	1.68	0.33	7.67	163.96
0	0	0	53.72	14	116.68	1.79	0.33	8.12	166.54
0	0	0	55.55	14	124.36	1.9	0.33	8.61	169.36
0	0	0	57.85	14	133.75	2.04	0.33	9.21	172.82
0	0	0	60.01	14	143.6	2.19	0.33	9.83	176.03
0	0	0	61.77	14	153.27	2.33	0.33	10.43	178.59
0	0	0	64.85	14	162.79	2.47	0.33	11.05	182.98
0	0	0	68.35	14	175.39	2.66	0.33	11.86	187.86
0	0	0	72.29	14	189.74	2.88	0.33	12.77	193.2
0	0	0	74.55	14	202.61	3.07	0.33	13.56	196.2
0	0	0	75.9	14	207.34	3.13	0.33	13.85	197.96
0	0	0	76.67	14	206.54	3.12	0.33	13.81	198.96
0	0	0	77.38	14	203.64	3.07	0.33	13.64	199.88
0	0	0	78.16	14	202.87	3.05	0.33	13.59	200.88
0	0	0	78.73	14	201.87	3.03	0.33	13.53	201.62
0	0	0	79.77	14	203.63	3.06	0.33	13.64	202.95
0	0	0	81.33	14	209.38	3.14	0.33	13.99	204.92
0	0	0	83.68	14	221.56	3.32	0.33	14.73	207.86
0	0	0	85.74	14	234.98	3.51	0.33	15.54	210.4
0	0	0	87.65	14	246.78	3.68	0.33	16.25	212.73
0	0	0	89.5	14	256.59	3.82	0.33	16.83	214.96
0	0	0	90.59	14	262.61	3.91	0.33	17.19	216.27
0	0	0	90.44	14	260.9	3.88	0.33	17.06	216.09
0	0	0	88.75	14	250.64	3.72	0.33	16.42	214.07
0	0	0	85.11	14	231.53	3.43	0.33	15.22	209.63
0	0	0	80.67	14	213.55	3.16	0.33	14.06	204.08
0	0	0	76.2	14	192.97	2.85	0.33	12.76	198.36
0	0	0	70.69	14	173.13	2.56	0.33	11.48	191.05
0	0	0	64.79	14	149.63	2.21	0.33	9.98	182.91
0	0	0	57.91	14	128.77	1.9	0.33	8.62	172.91
0	0	0	52.78	14	111.76	1.64	0.33	7.51	165.09
0	0	0	48.39	14	99.45	1.46	0.33	6.7	158.07
0	0	0	44.31	14	88.39	1.3	0.33	5.97	151.26
0	0	0	40.71	14	78.6	1.15	0.33	5.32	144.99
0	0	0	37.33	14	72	1.05	0.33	4.87	138.82
0	0	0	35.64	14	75.09	1.1	0.33	5.02	135.66

0	0	0	34.79	14	81.78	1.19	0.33	5.39	134.03
0	0	0	34.69	14	88.94	1.3	0.33	5.8	133.83
0	0	0	33.81	14	90.97	1.32	0.33	5.89	132.12
0	0	0	32.69	14	91.83	1.33	0.33	5.91	129.93
0	0	0	32.05	14	92.48	1.34	0.33	5.92	128.64
0	0	0	33.16	14	93.54	1.36	0.33	6	130.85
0	0	0	35.68	14	94.7	1.37	0.33	6.11	135.73
0	0	0	38.75	14	99.75	1.44	0.33	6.45	141.45
0	0	0	41.49	14	111.36	1.61	0.33	7.16	146.36
0	0	0	47.11	14	142.66	2.06	0.33	9.03	155.97
0	0	0	52.17	14	176.56	2.54	0.33	11.03	164.12
33	37	45.69	57.26	0	0	0	0.33	0	171.95
34	37	47.46	59.48	0	0	0	0.33	0	175.25
0	0	0	61.87	14	209.85	3.01	0.33	13.06	178.73
0	0	0	63.15	14	204.98	2.93	0.33	12.81	180.57
0	0	0	63.47	14	196.64	2.81	0.33	12.34	181.02
0	0	0	65	14	189.87	2.71	0.33	11.98	183.19
0	0	0	68.07	14	189.24	2.7	0.33	11.99	187.48
0	0	0	72.17	14	194.08	2.76	0.33	12.33	193.03
0	0	0	75.06	14	200.76	2.86	0.33	12.74	196.87
0	0	0	76.96	14	203.76	2.89	0.33	12.93	199.33
0	0	0	78.84	14	211.77	3	0.33	13.4	201.76
0	0	0	80	14	217.96	3.09	0.33	13.76	203.24
0	0	0	81.26	14	224.09	3.17	0.33	14.11	204.83
0	0	0	81.74	14	223.07	3.15	0.33	14.05	205.44
0	0	0	82.16	14	221.66	3.13	0.33	13.96	205.97
0	0	0	81.23	14	214.44	3.02	0.33	13.52	204.8
0	0	0	79.25	14	203.64	2.87	0.33	12.86	202.28
0	0	0	76.83	14	194.7	2.74	0.33	12.3	199.17
0	0	0	74.57	14	193.33	2.71	0.33	12.17	196.22
0	0	0	72.5	14	191.88	2.69	0.33	12.04	193.47
0	0	0	70.44	14	189.55	2.65	0.33	11.86	190.71
0	0	0	68.56	14	179.47	2.51	0.33	11.25	188.15
0	0	0	64.76	14	167.33	2.34	0.33	10.49	182.86
0	0	0	60.33	14	151.43	2.11	0.33	9.51	176.49
0	0	0	55.78	14	139.12	1.94	0.33	8.73	169.71
0	0	0	54.32	14	132.12	1.84	0.33	8.3	167.47
0	0	0	54.29	14	127.24	1.77	0.33	8.02	167.42
0	0	0	55.19	14	126.85	1.76	0.33	8	168.81
0	0	0	56.6	14	134.25	1.86	0.33	8.43	170.95
0	0	0	57.66	14	142.67	1.98	0.33	8.91	172.54
0	0	0	59.23	14	161.97	2.24	0.33	10	174.87
0	0	0	59.9	14	173.35	2.39	0.33	10.63	175.86
0	0	0	61.06	14	183.46	2.53	0.33	11.2	177.55

0	0	0	62.36	14	179.84	2.48	0.33	11.01	179.44
0	0	0	64.77	14	177.46	2.44	0.33	10.91	182.87
0	0	0	67.1	14	177.41	2.44	0.33	10.93	186.14
0	0	0	68.64	14	179.56	2.46	0.33	11.06	188.26
0	0	0	69.37	14	182.82	2.51	0.33	11.24	189.25
0	0	0	70.04	14	186.14	2.55	0.33	11.42	190.16
0	0	0	71.1	14	189.68	2.59	0.33	11.62	191.6
0	0	0	72.69	14	194.62	2.66	0.33	11.91	193.73
0	0	0	74.43	14	201.44	2.75	0.33	12.3	196.03
0	0	0	76.02	14	210.28	2.86	0.33	12.8	198.11
0	0	0	77.25	14	221.82	3.02	0.33	13.43	199.71
0	0	0	77.69	14	232.94	3.16	0.33	14.03	200.28
0	0	0	77.29	14	237.91	3.23	0.33	14.28	199.77
0	0	0	76.5	14	232.37	3.15	0.33	13.95	198.74
0	0	0	75.88	14	218.56	2.96	0.33	13.18	197.93
0	0	0	75.58	14	203.3	2.75	0.33	12.32	197.54
0	0	0	75.59	14	193	2.61	0.33	11.74	197.55
0	0	0	76.04	14	188.39	2.54	0.33	11.48	198.15
0	0	0	79.41	14	212.37	2.86	0.33	12.84	202.49
0	0	0	83.53	14	244.37	3.29	0.33	14.63	207.67
0	0	0	87.8	14	281.29	3.78	0.33	16.68	212.92
0	0	0	89.66	14	293.47	3.94	0.33	17.35	215.16
0	0	0	89.99	14	295.2	3.96	0.33	17.43	215.56
0	0	0	88.76	14	286.29	3.83	0.33	16.92	214.07
0	0	0	86.65	14	270.54	3.62	0.33	16.02	211.51
0	0	0	84.1	14	250	3.34	0.33	14.85	208.38
0	0	0	81.51	14	228.87	3.05	0.33	13.65	205.14
0	0	0	79.21	14	209.12	2.79	0.33	12.53	202.23
0	0	0	76.38	14	192.61	2.56	0.33	11.57	198.59
0	0	0	73.84	14	179.45	2.38	0.33	10.81	195.26
0	0	0	71.55	14	170.28	2.26	0.33	10.26	192.2
0	0	0	70.69	14	166.18	2.2	0.33	10.02	191.05
0	0	0	70.48	14	166.65	2.21	0.33	10.03	190.76
0	0	0	71.18	14	172.44	2.28	0.33	10.34	191.71
0	0	0	73.12	14	183.82	2.43	0.33	10.98	194.3
0	0	0	75.62	14	193.56	2.55	0.33	11.53	197.59
0	0	0	81.18	14	231.66	3.05	0.33	13.65	204.73
0	0	0	86.19	14	265.46	3.49	0.33	15.52	210.95
0	0	0	90.94	14	301.28	3.96	0.33	17.49	216.69
0	0	0	92.9	14	307.67	4.04	0.33	17.84	219.01
0	0	0	94.18	14	312.72	4.1	0.33	18.11	220.51
0	0	0	94.1	14	311.28	4.08	0.33	18.02	220.42
0	0	0	92.82	14	297.89	3.9	0.33	17.27	218.92
0	0	0	92.19	14	273.89	3.58	0.33	15.97	218.18

0	0	0	92.62	14	252.14	3.29	0.33	14.79	218.69
0	0	0	94.41	14	241.66	3.15	0.33	14.23	220.79
0	0	0	96.78	14	247.04	3.22	0.33	14.54	223.53
0	0	0	100.08	14	262.32	3.41	0.33	15.39	227.31
0	0	0	103.73	14	282.18	3.66	0.33	16.48	231.43
0	0	0	106.99	14	301.98	3.92	0.33	17.57	235.04
0	0	0	108.99	14	314.1	4.07	0.33	18.22	237.22
0	0	0	110.45	14	327.26	4.23	0.33	18.92	238.8
0	0	0	110.52	14	333.03	4.3	0.33	19.21	238.88
0	0	0	110.01	14	334.71	4.32	0.33	19.27	238.33
0	0	0	108	14	322.06	4.15	0.33	18.56	236.14
0	0	0	105.27	14	302.97	3.9	0.33	17.49	233.14
0	0	0	101.42	14	277.98	3.58	0.33	16.09	228.83
0	0	0	96.8	14	252.03	3.24	0.33	14.63	223.56
0	0	0	91.91	14	228.72	2.93	0.33	13.31	217.84
0	0	0	87.38	14	212.25	2.72	0.33	12.36	212.41
0	0	0	84.51	14	202.99	2.6	0.33	11.82	208.88
0	0	0	82.38	14	202.8	2.59	0.33	11.78	206.24
0	0	0	81.2	14	211.79	2.7	0.33	12.23	204.76
0	0	0	79.65	14	226.97	2.9	0.33	13	202.8
0	0	0	78.72	14	242.29	3.09	0.33	13.79	201.6
0	0	0	78.1	14	252.85	3.22	0.33	14.32	200.81
0	0	0	77.42	14	257.03	3.27	0.33	14.51	199.93
0	0	0	76.33	14	256.07	3.25	0.33	14.43	198.52
0	0	0	75.2	14	253.87	3.22	0.33	14.29	197.04
0	0	0	73.6	14	240.05	3.04	0.33	13.53	194.93
0	0	0	72.27	14	223.41	2.83	0.33	12.63	193.17
0	0	0	70.78	14	204.86	2.59	0.33	11.63	191.17
0	0	0	73.63	14	196.77	2.48	0.33	11.22	194.97
0	0	0	76.82	14	192.52	2.43	0.33	11.02	199.15
0	0	0	80.99	14	192.59	2.43	0.33	11.06	204.49
0	0	0	83.81	14	202.01	2.54	0.33	11.57	208.02
0	0	0	87.63	14	219.41	2.76	0.33	12.52	212.71
0	0	0	91.07	14	240.38	3.02	0.33	13.65	216.84
0	0	0	93.27	14	253.75	3.18	0.33	14.36	219.44
0	0	0	94.26	14	259.75	3.25	0.33	14.67	220.61
0	0	0	96.42	14	278.64	3.49	0.33	15.67	223.13
0	0	0	97.96	14	296.05	3.7	0.33	16.58	224.9
0	0	0	99.27	14	304.01	3.79	0.33	17	226.4
0	0	0	99.22	14	290.38	3.62	0.33	16.27	226.34
0	0	0	99.92	14	279.18	3.48	0.33	15.68	227.13
0	0	0	101.13	14	279.08	3.47	0.33	15.67	228.5
0	0	0	102.27	14	284.75	3.54	0.33	15.96	229.79
0	0	0	102.17	14	289	3.59	0.33	16.17	229.67

0	0	0	100.76	14	289.36	3.59	0.33	16.15	228.09
0	0	0	98.02	14	279.85	3.46	0.33	15.61	224.96
0	0	0	94.93	14	267.3	3.31	0.33	14.91	221.39
0	0	0	92.69	14	257.12	3.18	0.33	14.34	218.76
0	0	0	90.99	14	249.93	3.08	0.33	13.94	216.75
0	0	0	89.83	14	242.53	2.99	0.33	13.53	215.37
0	0	0	88.46	14	234.99	2.89	0.33	13.11	213.71
0	0	0	87.8	14	239.5	2.94	0.33	13.32	212.92
0	0	0	87.24	14	249.38	3.06	0.33	13.81	212.24
0	0	0	86.35	14	261.06	3.2	0.33	14.39	211.15
0	0	0	84.49	14	262.85	3.22	0.33	14.45	208.87
0	0	0	82.41	14	259.68	3.18	0.33	14.25	206.27
0	0	0	80.03	14	246.85	3.02	0.33	13.55	203.27
0	0	0	78.19	14	233.71	2.85	0.33	12.85	200.93
0	0	0	77.03	14	221.28	2.7	0.33	12.18	199.43
0	0	0	77.13	14	214.54	2.61	0.33	11.82	199.55
0	0	0	77.58	14	211.32	2.57	0.33	11.65	200.14
0	0	0	79.55	14	213.74	2.6	0.33	11.78	202.67
0	0	0	82.34	14	222.16	2.7	0.33	12.23	206.19
0	0	0	85.6	14	234.94	2.85	0.33	12.91	210.23
0	0	0	87.6	14	248.7	3.01	0.33	13.62	212.67
0	0	0	90.52	14	264.29	3.2	0.33	14.43	216.19
0	0	0	93.92	14	279.01	3.37	0.33	15.21	220.21
0	0	0	97.53	14	292.15	3.53	0.33	15.9	224.4
0	0	0	99.61	14	299.65	3.61	0.33	16.29	226.78
0	0	0	99.34	14	289.15	3.48	0.33	15.73	226.47
0	0	0	98.62	14	277.06	3.33	0.33	15.09	225.65
0	0	0	97.91	14	266.4	3.2	0.33	14.53	224.84
0	0	0	98.32	14	261.02	3.13	0.33	14.24	225.31
0	0	0	98.51	14	254.82	3.06	0.33	13.91	225.52
0	0	0	98.59	14	252.55	3.03	0.33	13.78	225.62
0	0	0	98.67	14	258.94	3.1	0.33	14.09	225.7
0	0	0	97.94	14	261.18	3.12	0.33	14.19	224.88
0	0	0	96.5	14	253.64	3.03	0.33	13.78	223.21
0	0	0	92.86	14	236.92	2.83	0.33	12.88	218.97
0	0	0	88.39	14	215.99	2.57	0.33	11.76	213.63
0	0	0	83.48	14	193.79	2.31	0.33	10.57	207.61
0	0	0	79.98	14	177.59	2.11	0.33	9.7	203.21
0	0	0	76.57	14	166.9	1.98	0.33	9.11	198.83
0	0	0	72.93	14	159.58	1.89	0.33	8.7	194.04
0	0	0	69.69	14	153.76	1.82	0.33	8.37	189.69
0	0	0	67.2	14	150.75	1.78	0.33	8.19	186.27
0	0	0	64.85	14	150.27	1.78	0.33	8.14	182.99
0	0	0	61.65	14	146.57	1.73	0.33	7.92	178.42

0	0	0	58.28	14	142.18	1.68	0.33	7.67	173.47
0	0	0	54.95	14	136.25	1.61	0.33	7.34	168.43
0	0	0	52.16	14	130.02	1.53	0.33	6.99	164.11
0	0	0	50.03	14	123.67	1.45	0.33	6.65	160.71
0	0	0	48.05	14	118.3	1.39	0.33	6.35	157.5
0	0	0	46.38	14	115.3	1.35	0.33	6.18	154.75
0	0	0	44.82	14	113.02	1.33	0.33	6.05	152.12
0	0	0	43.4	14	109.6	1.28	0.33	5.86	149.7
0	0	0	42.45	14	108.04	1.26	0.33	5.77	148.05
0	0	0	41.86	14	106.59	1.25	0.33	5.69	147.01
0	0	0	41.43	14	108.17	1.26	0.33	5.76	146.26
0	0	0	41.35	14	110.79	1.29	0.33	5.88	146.11
0	0	0	41.99	14	116.14	1.35	0.33	6.15	147.24
0	0	0	43.44	14	120.88	1.41	0.33	6.39	149.75
0	0	0	44.88	14	125.85	1.46	0.33	6.65	152.23
0	0	0	45.73	14	128.02	1.49	0.33	6.76	153.66
0	0	0	46.06	14	128.08	1.49	0.33	6.76	154.21
0	0	0	46.26	14	126.84	1.47	0.33	6.69	154.55
0	0	0	46.76	14	126.98	1.47	0.33	6.69	155.37
0	0	0	47.67	14	128.76	1.49	0.33	6.78	156.88
0	0	0	48.52	14	129.94	1.5	0.33	6.84	158.28
0	0	0	49.09	14	128.89	1.49	0.33	6.78	159.21
0	0	0	49.45	14	127.61	1.47	0.33	6.72	159.79
0	0	0	50.21	14	128.5	1.48	0.33	6.76	161.01
0	0	0	51.39	14	131.74	1.52	0.33	6.92	162.89
0	0	0	53.13	14	136.78	1.57	0.33	7.18	165.62
0	0	0	54.85	14	142.47	1.64	0.33	7.47	168.28
0	0	0	56.11	14	144.39	1.66	0.33	7.56	170.2
0	0	0	56.95	14	145.98	1.67	0.33	7.64	171.48
0	0	0	58.34	14	145.47	1.66	0.33	7.62	173.56
0	0	0	59.62	14	148.54	1.7	0.33	7.77	175.45
0	0	0	61.18	14	155.15	1.77	0.33	8.1	177.74
0	0	0	62.5	14	167.55	1.91	0.33	8.72	179.64
0	0	0	63.7	14	175.87	2	0.33	9.13	181.36
0	0	0	65.3	14	181.02	2.06	0.33	9.39	183.62
0	0	0	66.93	14	184.57	2.1	0.33	9.56	185.9
0	0	0	68.38	14	186.37	2.12	0.33	9.65	187.9
0	0	0	69.37	14	188.76	2.14	0.33	9.77	189.26
0	0	0	69.93	14	185.36	2.1	0.33	9.59	190.02
0	0	0	70.49	14	183.81	2.08	0.33	9.51	190.78
0	0	0	70.77	14	181.38	2.05	0.33	9.38	191.16
0	0	0	70.08	14	180.68	2.04	0.33	9.34	190.22
0	0	0	70.78	14	188.45	2.13	0.33	9.72	191.17
0	0	0	72.75	14	198.46	2.24	0.33	10.21	193.81

0	0	0	77.16	14	211.6	2.38	0.33	10.88	199.6
0	0	0	81.59	14	227.86	2.56	0.33	11.69	205.24
0	0	0	86.28	14	245.44	2.76	0.33	12.57	211.07
0	0	0	89.88	14	259.66	2.92	0.33	13.28	215.42
0	0	0	92.65	14	265.04	2.97	0.33	13.55	218.71
0	0	0	93.63	14	262.33	2.94	0.33	13.41	219.88
0	0	0	93.15	14	251.21	2.81	0.33	12.85	219.3
0	0	0	91.95	14	235.31	2.63	0.33	12.05	217.89
0	0	0	91.21	14	226.21	2.53	0.33	11.58	217.01
0	0	0	90.67	14	224.19	2.5	0.33	11.47	216.36
0	0	0	90.06	14	225.63	2.52	0.33	11.53	215.64
0	0	0	88.12	14	219.67	2.45	0.33	11.22	213.3
0	0	0	85.39	14	213.38	2.37	0.33	10.88	209.98
0	0	0	82.34	14	207.23	2.3	0.33	10.56	206.19
0	0	0	79.96	14	203.15	2.26	0.33	10.34	203.18
0	0	0	78.37	14	198.61	2.2	0.33	10.1	201.16
0	0	0	76.67	14	195.26	2.16	0.33	9.91	198.97
0	0	0	74.31	14	188.14	2.08	0.33	9.55	195.87
0	0	0	72.36	14	184.97	2.05	0.33	9.37	193.28
0	0	0	71.25	14	183.29	2.02	0.33	9.28	191.8
0	0	0	70.9	14	185.18	2.04	0.33	9.36	191.33
0	0	0	71.73	14	188.26	2.08	0.33	9.5	192.45
0	0	0	73.1	14	194.18	2.14	0.33	9.79	194.28
0	0	0	74.61	14	201.16	2.21	0.33	10.13	196.27
0	0	0	75.07	14	203.84	2.24	0.33	10.25	196.88
0	0	0	75.42	14	203.63	2.24	0.33	10.23	197.33
0	0	0	75.62	14	202.31	2.22	0.33	10.16	197.59
0	0	0	78.25	14	205.6	2.25	0.33	10.32	201
0	0	0	81.31	14	208.9	2.29	0.33	10.49	204.89
0	0	0	85.57	14	219.41	2.4	0.33	11	210.19
0	0	0	88.47	14	231.91	2.53	0.33	11.61	213.73
0	0	0	91.32	14	244.09	2.66	0.33	12.2	217.14
0	0	0	93.29	14	252.4	2.75	0.33	12.6	219.47
0	0	0	94.02	14	252.06	2.75	0.33	12.58	220.33
0	0	0	93.21	14	250.6	2.73	0.33	12.49	219.38
0	0	0	90	14	236.4	2.57	0.33	11.78	215.56
0	0	0	85.44	14	220.68	2.4	0.33	10.99	210.03
0	0	0	79.61	14	198.17	2.15	0.33	9.87	202.75
0	0	0	74.21	14	177.62	1.93	0.33	8.85	195.74
0	0	0	68.85	14	155.76	1.69	0.33	7.77	188.55
0	0	0	63.82	14	134.91	1.46	0.33	6.73	181.52
0	0	0	58.88	14	117.67	1.27	0.33	5.87	174.35
0	0	0	54.18	14	103.04	1.11	0.33	5.14	167.25
0	0	0	49.99	14	92.78	1	0.33	4.62	160.65

0	0	0	46.4	14	87.09	0.94	0.33	4.34	154.78
0	0	0	42.71	14	84.9	0.91	0.33	4.22	148.5
0	0	0	39.89	14	84.2	0.91	0.33	4.18	143.52
0	0	0	35.57	14	84.01	0.9	0.33	4.15	135.52
0	0	0	32.24	14	83.48	0.9	0.33	4.11	129.01
19	32	22.23	27.86	0	0	0	0.33	0	119.93
19	32	21.46	26.9	0	0	0	0.33	0	117.85
19	32	21.04	26.37	0	0	0	0.33	0	116.69
19	32	20.79	26.05	0	0	0	0.33	0	115.98
19	32	20.67	25.91	0	0	0	0.33	0	115.67
19	32	20.66	25.89	0	0	0	0.33	0	115.62
19	32	20.59	25.81	0	0	0	0.33	0	115.43
19	32	20.43	25.61	0	0	0	0.33	0	114.99
19	32	20.25	25.38	0	0	0	0.33	0	114.47
19	32	20.13	25.23	0	0	0	0.33	0	114.14
18	32	20.07	25.15	0	0	0	0.33	0	113.96
18	32	19.95	25	0	0	0	0.33	0	113.62
18	32	19.87	24.9	0	0	0	0.33	0	113.39
18	32	19.84	24.86	0	0	0	0.33	0	113.3
18	32	19.94	25	0	0	0	0.33	0	113.6
18	32	20.09	25.18	0	0	0	0.33	0	114.02
18	32	20.22	25.35	0	0	0	0.33	0	114.4
18	32	20.23	25.35	0	0	0	0.33	0	114.41
18	32	20.2	25.31	0	0	0	0.33	0	114.32
18	32	20.09	25.18	0	0	0	0.33	0	114.01
18	32	20.14	25.24	0	0	0	0.33	0	114.16
18	32	20.17	25.28	0	0	0	0.33	0	114.24
18	32	20.24	25.37	0	0	0	0.33	0	114.46
18	32	20.23	25.35	0	0	0	0.33	0	114.41
18	32	20.23	25.35	0	0	0	0.33	0	114.41
18	32	20.19	25.31	0	0	0	0.33	0	114.31
18	32	20.2	25.31	0	0	0	0.33	0	114.32
18	32	20.06	25.15	0	0	0	0.33	0	113.95
18	32	19.92	24.97	0	0	0	0.33	0	113.53
17	32	19.67	24.65	0	0	0	0.33	0	112.83
17	32	19.55	24.5	0	0	0	0.33	0	112.46
17	32	19.48	24.42	0	0	0	0.33	0	112.28
0	0	0	24.46	14	70.96	0.74	0.33	3.39	112.39
0	0	0	24.51	14	71.02	0.74	0.33	3.39	112.5
0	0	0	24.52	14	71.33	0.74	0.33	3.4	112.53
17	32	19.59	24.55	0	0	0	0.33	0	112.58
17	32	19.61	24.58	0	0	0	0.33	0	112.65
17	32	19.68	24.66	0	0	0	0.33	0	112.84
17	32	19.66	24.64	0	0	0	0.33	0	112.79

17	32	19.65	24.63	0	0	0	0.33	0	112.77
17	32	19.63	24.6	0	0	0	0.33	0	112.7
17	32	19.67	24.65	0	0	0	0.33	0	112.83
17	32	19.68	24.67	0	0	0	0.33	0	112.86
0	0	0	24.66	14	71.74	0.74	0.33	3.39	112.84
0	0	0	24.63	14	71.3	0.73	0.33	3.37	112.76
0	0	0	24.65	14	71.36	0.73	0.33	3.37	112.8
0	0	0	24.68	14	71.57	0.73	0.33	3.38	112.88
0	0	0	24.7	14	71.67	0.73	0.33	3.38	112.93
17	32	19.47	24.4	0	0	0	0.33	0	112.24
17	32	19.2	24.07	0	0	0	0.33	0	111.47
17	32	18.97	23.77	0	0	0	0.33	0	110.79
17	32	18.98	23.79	0	0	0	0.33	0	110.83
17	32	19.02	23.84	0	0	0	0.33	0	110.95
17	32	19.03	23.85	0	0	0	0.33	0	110.98
17	32	19.05	23.87	0	0	0	0.33	0	111.02
17	32	19.02	23.84	0	0	0	0.33	0	110.96
17	32	19.17	24.03	0	0	0	0.33	0	111.38
17	32	19.26	24.14	0	0	0	0.33	0	111.64
17	32	19.34	24.23	0	0	0	0.33	0	111.86
17	32	19.24	24.11	0	0	0	0.33	0	111.58
17	32	19.2	24.06	0	0	0	0.33	0	111.45
17	32	19.17	24.02	0	0	0	0.33	0	111.37
17	32	19.12	23.96	0	0	0	0.33	0	111.23
17	32	19.07	23.9	0	0	0	0.33	0	111.09
17	32	19.04	23.86	0	0	0	0.33	0	110.99
17	32	19.02	23.84	0	0	0	0.33	0	110.94
17	32	19	23.81	0	0	0	0.33	0	110.88
17	32	18.99	23.8	0	0	0	0.33	0	110.86
17	32	18.98	23.79	0	0	0	0.33	0	110.82
17	32	18.95	23.75	0	0	0	0.33	0	110.73
17	32	18.89	23.67	0	0	0	0.33	0	110.55
17	32	18.82	23.59	0	0	0	0.33	0	110.37
17	32	18.77	23.53	0	0	0	0.33	0	110.21
17	32	18.74	23.49	0	0	0	0.33	0	110.13
17	32	18.76	23.52	0	0	0	0.33	0	110.19
17	32	18.86	23.64	0	0	0	0.33	0	110.47
17	32	18.99	23.8	0	0	0	0.33	0	110.86
17	32	19.24	24.11	0	0	0	0.33	0	111.57
17	32	19.45	24.38	0	0	0	0.33	0	112.19
17	32	19.58	24.54	0	0	0	0.33	0	112.57
17	32	19.57	24.53	0	0	0	0.33	0	112.53
17	32	19.48	24.42	0	0	0	0.33	0	112.28
17	32	19.48	24.42	0	0	0	0.33	0	112.29

17	32	19.64	24.61	0	0	0	0.33	0	112.73
0	0	0	25.15	14	72.91	0.72	0.33	3.33	113.96
0	0	0	26.3	14	73.86	0.73	0.33	3.37	116.53
0	0	0	27.97	14	75.68	0.75	0.33	3.45	120.17
0	0	0	29.86	14	78.55	0.78	0.33	3.58	124.17
0	0	0	31.59	14	81.46	0.8	0.33	3.71	127.72
0	0	0	32.74	14	84.36	0.83	0.33	3.84	130.01
0	0	0	33.46	14	86.47	0.85	0.33	3.93	131.44
0	0	0	33.9	14	87.75	0.86	0.33	3.99	132.31
0	0	0	34.53	14	88.38	0.87	0.33	4.01	133.51
0	0	0	35.25	14	88.76	0.87	0.33	4.03	134.91
0	0	0	36	14	88.64	0.87	0.33	4.02	136.33
0	0	0	36.56	14	87.87	0.86	0.33	3.98	137.39
0	0	0	37.06	14	87.36	0.86	0.33	3.95	138.32
0	0	0	37.42	14	87.44	0.86	0.33	3.95	139
0	0	0	37.68	14	87.91	0.86	0.33	3.97	139.49
0	0	0	37.43	14	87.88	0.86	0.33	3.97	139.01
0	0	0	36.96	14	87.62	0.86	0.33	3.95	138.14
0	0	0	36.37	14	87.4	0.85	0.33	3.94	137.04
0	0	0	36.09	14	86.86	0.85	0.33	3.91	136.5
0	0	0	35.77	14	85.74	0.83	0.33	3.86	135.91
0	0	0	35.35	14	83.99	0.82	0.33	3.78	135.11
0	0	0	34.63	14	81.85	0.8	0.33	3.68	133.72
0	0	0	33.79	14	80.28	0.78	0.33	3.6	132.08
0	0	0	32.68	14	77.03	0.75	0.33	3.45	129.89
0	0	0	31.63	14	74.51	0.72	0.33	3.34	127.79
0	0	0	30.59	14	71.83	0.7	0.33	3.22	125.68
0	0	0	29.76	14	71.35	0.69	0.33	3.19	123.96
0	0	0	29.02	14	71.09	0.69	0.33	3.18	122.4
0	0	0	28.34	14	71.31	0.69	0.33	3.19	120.97
0	0	0	27.72	14	71.66	0.69	0.33	3.2	119.64
0	0	0	27.05	14	72.06	0.69	0.33	3.21	118.18
0	0	0	26.41	14	72.31	0.7	0.33	3.22	116.77
0	0	0	25.99	14	73.48	0.71	0.33	3.27	115.84
17	32	20.5	25.7	0	0	0	0.33	0	115.19
17	32	20.35	25.5	0	0	0	0.33	0	114.74
17	32	20.29	25.44	0	0	0	0.33	0	114.6
17	32	20.73	25.98	0	0	0	0.33	0	115.82
18	32	21.23	26.61	0	0	0	0.33	0	117.21
0	0	0	29.28	14	81.42	0.78	0.33	3.61	122.95
0	0	0	32.09	14	84.17	0.8	0.33	3.73	128.71
0	0	0	35.49	14	87.74	0.84	0.33	3.88	135.37
0	0	0	38.21	14	92.36	0.88	0.33	4.08	140.46
0	0	0	41.24	14	97.95	0.93	0.33	4.32	145.92

0	0	0	44.34	14	104.17	0.99	0.33	4.59	151.31
0	0	0	47.21	14	109.55	1.04	0.33	4.82	156.13
0	0	0	49.63	14	112.67	1.07	0.33	4.96	160.08
0	0	0	51.72	14	114.57	1.09	0.33	5.03	163.41
0	0	0	53.84	14	116.47	1.11	0.33	5.11	166.73
0	0	0	56.14	14	118.96	1.13	0.33	5.22	170.25
0	0	0	58.34	14	121.12	1.15	0.33	5.3	173.56
0	0	0	60.22	14	122.94	1.16	0.33	5.38	176.33
0	0	0	61.76	14	125.15	1.18	0.33	5.47	178.57
0	0	0	63.04	14	127.93	1.21	0.33	5.59	180.42
0	0	0	64.07	14	131.31	1.24	0.33	5.73	181.88
0	0	0	64.87	14	134.58	1.27	0.33	5.87	183.01
0	0	0	65.56	14	137.43	1.3	0.33	5.99	183.99
0	0	0	66.11	14	139.25	1.31	0.33	6.06	184.76
0	0	0	66.5	14	140.28	1.32	0.33	6.1	185.3
0	0	0	66.67	14	140.74	1.32	0.33	6.12	185.53
0	0	0	66.2	14	140.19	1.32	0.33	6.09	184.87
0	0	0	65.2	14	137.83	1.29	0.33	5.98	183.48
0	0	0	63.94	14	133.13	1.25	0.33	5.77	181.7
0	0	0	62.97	14	126.91	1.19	0.33	5.5	180.32
0	0	0	62.76	14	119.7	1.12	0.33	5.18	180.01
0	0	0	61.74	14	111.59	1.04	0.33	4.82	178.54
0	0	0	59.97	14	103.08	0.96	0.33	4.45	175.97
0	0	0	57.35	14	97.29	0.91	0.33	4.2	172.08
0	0	0	54.82	14	92.66	0.86	0.33	3.99	168.23
0	0	0	52.64	14	90.66	0.85	0.33	3.91	164.86
0	0	0	50.4	14	88.66	0.83	0.33	3.82	161.31
0	0	0	48.56	14	88.74	0.83	0.33	3.82	158.33
0	0	0	47.34	14	92.91	0.86	0.33	3.99	156.33
0	0	0	46.41	14	96.61	0.9	0.33	4.15	154.8
0	0	0	46.31	14	100.94	0.94	0.33	4.33	154.63
0	0	0	47.06	14	102.31	0.95	0.33	4.39	155.88
0	0	0	49.16	14	105.85	0.98	0.33	4.54	159.31
0	0	0	52.01	14	110.63	1.02	0.33	4.74	163.87
0	0	0	55.24	14	116.17	1.07	0.33	4.97	168.89
0	0	0	58.75	14	123.3	1.14	0.33	5.27	174.16
0	0	0	61.49	14	131.99	1.22	0.33	5.64	178.18
0	0	0	66.28	14	143.04	1.32	0.33	6.1	184.98
0	0	0	70.95	14	155.12	1.43	0.33	6.62	191.4
0	0	0	76.06	14	166.59	1.53	0.33	7.1	198.17
0	0	0	79.02	14	174.88	1.61	0.33	7.45	201.98
0	0	0	81.13	14	179.01	1.65	0.33	7.62	204.67
0	0	0	82.32	14	179.3	1.65	0.33	7.62	206.16
0	0	0	82.55	14	177.47	1.63	0.33	7.53	206.45

0	0	0	82.18	14	175.45	1.61	0.33	7.44	205.99
0	0	0	81.2	14	170.81	1.57	0.33	7.24	204.76
0	0	0	79.95	14	164.79	1.51	0.33	6.97	203.17
0	0	0	78.41	14	156.29	1.43	0.33	6.61	201.2
0	0	0	77	14	149.73	1.37	0.33	6.33	199.38
0	0	0	75.51	14	144.35	1.32	0.33	6.09	197.46
0	0	0	74.01	14	140.86	1.29	0.33	5.94	195.48
0	0	0	72.61	14	138.89	1.27	0.33	5.85	193.62
0	0	0	71.27	14	137.43	1.25	0.33	5.79	191.82
0	0	0	69.89	14	135.07	1.23	0.33	5.68	189.96
0	0	0	68.61	14	130.54	1.19	0.33	5.49	188.21
0	0	0	66.49	14	124.88	1.14	0.33	5.24	185.29
0	0	0	64.41	14	119.67	1.09	0.33	5.02	182.37
0	0	0	62.16	14	116.43	1.06	0.33	4.88	179.15
0	0	0	60.9	14	114.62	1.04	0.33	4.8	177.32
0	0	0	59.95	14	113.41	1.03	0.33	4.75	175.94
0	0	0	59.26	14	112.42	1.02	0.33	4.7	174.93
0	0	0	58.86	14	112.38	1.02	0.33	4.7	174.34
0	0	0	58.57	14	112.76	1.02	0.33	4.71	173.91
0	0	0	59.35	14	120.92	1.09	0.33	5.04	175.05
0	0	0	60.71	14	133.31	1.2	0.33	5.56	177.04
0	0	0	62.52	14	149.51	1.35	0.33	6.25	179.67
0	0	0	63.85	14	159.67	1.44	0.33	6.68	181.56
0	0	0	64.79	14	164.41	1.48	0.33	6.87	182.9
0	0	0	65.41	14	162.9	1.46	0.33	6.8	183.78
0	0	0	65.76	14	156.17	1.4	0.33	6.51	184.26
0	0	0	65.73	14	146.58	1.32	0.33	6.09	184.22
0	0	0	65.15	14	137.44	1.23	0.33	5.7	183.4
0	0	0	64.31	14	132.93	1.19	0.33	5.5	182.21
0	0	0	63.97	14	134.39	1.2	0.33	5.56	181.74
0	0	0	64.45	14	140.47	1.26	0.33	5.82	182.42
0	0	0	65.5	14	147.63	1.32	0.33	6.11	183.89
0	0	0	66.53	14	153.93	1.38	0.33	6.37	185.34
0	0	0	67.27	14	156.75	1.4	0.33	6.49	186.37
0	0	0	67.65	14	154.66	1.38	0.33	6.39	186.9
0	0	0	67.49	14	147.41	1.31	0.33	6.08	186.67
0	0	0	66.46	14	138.19	1.23	0.33	5.69	185.24
0	0	0	65.53	14	131.84	1.17	0.33	5.42	183.94
0	0	0	66.02	14	136.77	1.22	0.33	5.62	184.62
0	0	0	68.03	14	150.79	1.34	0.33	6.2	187.42
0	0	0	71.03	14	171.77	1.52	0.33	7.08	191.51
0	0	0	73.57	14	190.78	1.69	0.33	7.87	194.9
0	0	0	75.98	14	205.96	1.83	0.33	8.5	198.07
0	0	0	77.76	14	212.77	1.88	0.33	8.78	200.37

0	0	0	78.8	14	211.58	1.87	0.33	8.72	201.7
0	0	0	78.72	14	207.99	1.84	0.33	8.56	201.61
0	0	0	78.49	14	210.45	1.86	0.33	8.66	201.31
0	0	0	79.19	14	220.52	1.95	0.33	9.08	202.2
0	0	0	80.74	14	234.88	2.07	0.33	9.68	204.18
0	0	0	82.06	14	249.99	2.2	0.33	10.31	205.84
0	0	0	82.69	14	263.28	2.32	0.33	10.86	206.62
0	0	0	82.44	14	273.95	2.41	0.33	11.31	206.32
32	36	65.13	81.64	0	0	0	0.33	0	205.3
31	36	63.45	79.53	0	0	0	0.33	0	202.64
31	36	61.54	77.13	0	0	0	0.33	0	199.55
0	0	0	75.13	14	250.44	2.2	0.33	10.31	196.95
0	0	0	74.31	14	240.81	2.11	0.33	9.9	195.88
0	0	0	74.25	14	230.15	2.01	0.33	9.44	195.79
0	0	0	73.98	14	217.11	1.9	0.33	8.88	195.44
0	0	0	73.29	14	202.35	1.77	0.33	8.25	194.53
0	0	0	72.08	14	186.42	1.63	0.33	7.58	192.91
0	0	0	70.61	14	171.72	1.5	0.33	6.96	190.93
0	0	0	69.08	14	159.01	1.39	0.33	6.43	188.86
0	0	0	67.61	14	148.93	1.3	0.33	6.01	186.84
0	0	0	66.49	14	143.29	1.25	0.33	5.77	185.29
0	0	0	65.97	14	142.03	1.24	0.33	5.71	184.56
0	0	0	65.79	14	143.8	1.25	0.33	5.78	184.3
0	0	0	66.2	14	145.35	1.26	0.33	5.84	184.88
0	0	0	66.68	14	145.79	1.27	0.33	5.85	185.55
0	0	0	67.74	14	150.98	1.31	0.33	6.06	187.01
0	0	0	68.2	14	155.92	1.35	0.33	6.26	187.65
0	0	0	68.08	14	158.55	1.37	0.33	6.37	187.49
0	0	0	66.99	14	154.16	1.33	0.33	6.18	185.98
0	0	0	66.03	14	148.66	1.28	0.33	5.95	184.64
0	0	0	65.17	14	143.5	1.24	0.33	5.74	183.43
0	0	0	64.6	14	138.39	1.19	0.33	5.52	182.63
0	0	0	64.21	14	136.1	1.17	0.33	5.42	182.08
0	0	0	65.2	14	138.94	1.2	0.33	5.53	183.47
0	0	0	66.01	14	143.03	1.23	0.33	5.7	184.61
0	0	0	66.37	14	142.96	1.23	0.33	5.69	185.11
0	0	0	65.38	14	135.91	1.17	0.33	5.4	183.73
0	0	0	64.05	14	125.04	1.07	0.33	4.96	181.85
0	0	0	62.57	14	113.79	0.98	0.33	4.51	179.74
0	0	0	61.4	14	106.37	0.91	0.33	4.21	178.05
0	0	0	60.89	14	103.19	0.88	0.33	4.08	177.31
0	0	0	61.58	14	107.63	0.92	0.33	4.26	178.31
0	0	0	62.57	14	111.71	0.96	0.33	4.42	179.73
0	0	0	63.84	14	116.94	1	0.33	4.62	181.55

0	0	0	65	14	120.67	1.03	0.33	4.76	183.19
0	0	0	66.37	14	128.65	1.1	0.33	5.07	185.11
0	0	0	67.96	14	138.37	1.18	0.33	5.45	187.32
0	0	0	69.36	14	147.51	1.26	0.33	5.81	189.25
0	0	0	70.45	14	152.76	1.3	0.33	6.02	190.72
0	0	0	71.48	14	158.25	1.35	0.33	6.23	192.11
0	0	0	72.69	14	164.46	1.4	0.33	6.48	193.72
0	0	0	74	14	174.14	1.48	0.33	6.87	195.47
0	0	0	74.75	14	184.68	1.57	0.33	7.29	196.45
0	0	0	74.27	14	195.09	1.65	0.33	7.72	195.82
0	0	0	72.39	14	202.56	1.72	0.33	8.03	193.32
0	0	0	70.15	14	206.13	1.75	0.33	8.19	190.31
0	0	0	68.61	14	206.74	1.75	0.33	8.22	188.22
0	0	0	67.77	14	206.46	1.75	0.33	8.2	187.06
0	0	0	67.23	14	204.31	1.73	0.33	8.11	186.3
0	0	0	66.26	14	197.42	1.67	0.33	7.83	184.96
0	0	0	65.09	14	184.21	1.55	0.33	7.28	183.33
0	0	0	63.11	14	165.78	1.4	0.33	6.52	180.51
0	0	0	60.44	14	144.82	1.22	0.33	5.67	176.65
0	0	0	57.48	14	124.96	1.05	0.33	4.87	172.27
0	0	0	54.62	14	107.97	0.91	0.33	4.19	167.93
0	0	0	52.36	14	97.54	0.82	0.33	3.79	164.41
0	0	0	50.85	14	92.71	0.78	0.33	3.6	162.04
0	0	0	50.36	14	95.82	0.8	0.33	3.71	161.24
0	0	0	50.32	14	100.4	0.84	0.33	3.89	161.19
0	0	0	50.27	14	105.33	0.88	0.33	4.08	161.11
0	0	0	49.57	14	105.51	0.88	0.33	4.08	159.98
0	0	0	48.67	14	103.65	0.87	0.33	4.01	158.52
0	0	0	47.96	14	101.87	0.85	0.33	3.93	157.36
0	0	0	47.73	14	101.63	0.85	0.33	3.92	156.98
0	0	0	47.7	14	104.12	0.87	0.33	4.02	156.94
0	0	0	47.66	14	107.88	0.9	0.33	4.17	156.86
0	0	0	47.34	14	111.09	0.93	0.33	4.3	156.34
0	0	0	46.81	14	110.49	0.92	0.33	4.27	155.46
0	0	0	45.23	14	104.56	0.87	0.33	4.04	152.82
0	0	0	43.21	14	94.7	0.79	0.33	3.64	149.37
0	0	0	40.69	14	83.79	0.7	0.33	3.22	144.95
0	0	0	38.54	14	73.34	0.61	0.33	2.81	141.06
0	0	0	36.49	14	64.59	0.54	0.33	2.47	137.26
0	0	0	34.69	14	58.01	0.48	0.33	2.22	133.82
0	0	0	33.2	14	53.78	0.45	0.33	2.06	130.93
0	0	0	31.94	14	51.75	0.43	0.33	1.98	128.42
0	0	0	30.35	14	49.4	0.41	0.33	1.89	125.17
0	0	0	28.69	14	47.48	0.39	0.33	1.81	121.71

0	0	0	27.08	14	45.16	0.37	0.33	1.72	118.25
0	0	0	26.08	14	44.06	0.36	0.33	1.68	116.03
0	0	0	25.48	14	43.05	0.35	0.33	1.64	114.7
0	0	0	25.16	14	42.35	0.35	0.33	1.61	113.99
0	0	0	25.05	14	41.94	0.35	0.33	1.59	113.72
0	0	0	24.99	14	41.38	0.34	0.33	1.57	113.6
0	0	0	25.01	14	40.72	0.33	0.33	1.55	113.65
0	0	0	25.02	14	40.14	0.33	0.33	1.52	113.65
0	0	0	25.16	14	40.25	0.33	0.33	1.53	113.99
0	0	0	25.26	14	41.13	0.34	0.33	1.56	114.21
0	0	0	25.35	14	42.33	0.35	0.33	1.6	114.4
0	0	0	25.27	14	43.3	0.35	0.33	1.64	114.23
0	0	0	25.31	14	43.84	0.36	0.33	1.66	114.3
0	0	0	25.44	14	44.04	0.36	0.33	1.66	114.61
0	0	0	25.73	14	44.26	0.36	0.33	1.67	115.26
0	0	0	26.23	14	44.32	0.36	0.33	1.67	116.36
0	0	0	27.13	14	45.46	0.37	0.33	1.71	118.35
0	0	0	28.07	14	47.58	0.39	0.33	1.79	120.39
0	0	0	29.28	14	50.92	0.41	0.33	1.92	122.95
0	0	0	30.68	14	54.91	0.45	0.33	2.06	125.87
0	0	0	32.88	14	60.27	0.49	0.33	2.26	130.29
0	0	0	35.35	14	66.86	0.54	0.33	2.51	135.1
0	0	0	37.36	14	73.95	0.6	0.33	2.77	138.9
0	0	0	38.88	14	80.85	0.66	0.33	3.03	141.68
0	0	0	40.17	14	87.56	0.71	0.33	3.28	144.01
0	0	0	42.34	14	92.8	0.75	0.33	3.48	147.86
0	0	0	44.17	14	97	0.79	0.33	3.64	151.02
0	0	0	47.15	14	101.64	0.82	0.33	3.8	156.03
0	0	0	49.5	14	109.33	0.88	0.33	4.09	159.86
0	0	0	52.21	14	118.68	0.96	0.33	4.45	164.19
0	0	0	53.63	14	125.81	1.02	0.33	4.72	166.4
0	0	0	54.78	14	130.05	1.05	0.33	4.88	168.17
0	0	0	55.39	14	130.27	1.05	0.33	4.88	169.11
0	0	0	55.47	14	129.5	1.04	0.33	4.85	169.24
0	0	0	55.04	14	127.77	1.03	0.33	4.78	168.57
0	0	0	54.71	14	130.17	1.05	0.33	4.87	168.07
0	0	0	54.78	14	132.79	1.07	0.33	4.97	168.18
0	0	0	55.02	14	135.61	1.09	0.33	5.08	168.54
0	0	0	54.88	14	136.3	1.09	0.33	5.1	168.34
0	0	0	54.59	14	138.64	1.11	0.33	5.19	167.89
0	0	0	54.59	14	144.23	1.16	0.33	5.41	167.88
0	0	0	54.88	14	149.67	1.2	0.33	5.62	168.34
0	0	0	55.03	14	153.6	1.23	0.33	5.78	168.57
0	0	0	55.06	14	154.12	1.23	0.33	5.79	168.61

0	0	0	55.03	14	153.93	1.23	0.33	5.78	168.56
0	0	0	54.91	14	152.18	1.21	0.33	5.71	168.38
0	0	0	57.93	14	147.99	1.18	0.33	5.52	172.94
0	0	0	60.46	14	142.67	1.14	0.33	5.29	176.69
0	0	0	62.63	14	138.54	1.1	0.33	5.11	179.83
0	0	0	61.95	14	137.17	1.09	0.33	5.06	178.84
0	0	0	61.25	14	137.53	1.09	0.33	5.07	177.83
0	0	0	60.6	14	138.41	1.1	0.33	5.1	176.89
0	0	0	60	14	138.92	1.1	0.33	5.12	176
0	0	0	59.44	14	138.91	1.1	0.33	5.12	175.18
0	0	0	58.79	14	139.28	1.1	0.33	5.14	174.22
0	0	0	57.83	14	138.21	1.1	0.33	5.1	172.79
0	0	0	56.55	14	135.96	1.08	0.33	5.01	170.87
0	0	0	55.5	14	133.26	1.05	0.33	4.91	169.28
0	0	0	54.73	14	131.98	1.04	0.33	4.86	168.11
0	0	0	54.48	14	133.79	1.06	0.33	4.93	167.71
0	0	0	54.55	14	137.78	1.09	0.33	5.08	167.83
0	0	0	55	14	143.06	1.13	0.33	5.28	168.51
0	0	0	56.1	14	148.29	1.17	0.33	5.48	170.19
0	0	0	57.26	14	155.74	1.23	0.33	5.76	171.94
0	0	0	58.52	14	164.72	1.3	0.33	6.1	173.82
0	0	0	60.11	14	173.14	1.36	0.33	6.42	176.17
0	0	0	61.63	14	178.73	1.41	0.33	6.63	178.38
0	0	0	63.03	14	184.49	1.45	0.33	6.84	180.4
0	0	0	63.75	14	192.09	1.51	0.33	7.13	181.43
0	0	0	64.45	14	198.16	1.55	0.33	7.36	182.41
27	34	53.74	67.36	0	0	0	0.33	0	186.49
29	34	55.53	69.59	0	0	0	0.33	0	189.56
30	34	56.62	70.96	0	0	0	0.33	0	191.42
31	34	56.83	71.22	0	0	0	0.33	0	191.76
32	34	57.08	71.54	0	0	0	0.33	0	192.2
34	34	57.26	71.77	0	0	0	0.33	0	192.5
35	34	56.44	70.74	0	0	0	0.33	0	191.12
35	34	55.71	69.83	0	0	0	0.33	0	189.87
35	34	55.58	69.66	0	0	0	0.33	0	189.65
36	34	55.73	69.85	0	0	0	0.33	0	189.91
35	34	55.71	69.83	0	0	0	0.33	0	189.87
35	34	55.95	70.12	0	0	0	0.33	0	190.28
33	34	56.26	70.51	0	0	0	0.33	0	190.81
32	34	56.66	71.02	0	0	0	0.33	0	191.49
32	34	56.78	71.17	0	0	0	0.33	0	191.69
32	34	57.16	71.64	0	0	0	0.33	0	192.32
32	34	57.74	72.37	0	0	0	0.33	0	193.3
32	34	58.39	73.18	0	0	0	0.33	0	194.39

33	34	58.86	73.77	0	0	0	0.33	0	195.16
33	34	59.18	74.17	0	0	0	0.33	0	195.7
33	34	59.33	74.36	0	0	0	0.33	0	195.94
33	34	59.38	74.43	0	0	0	0.33	0	196.03
32	34	59.53	74.61	0	0	0	0.33	0	196.27
32	35	59.68	74.8	0	0	0	0.33	0	196.52
32	35	59.72	74.84	0	0	0	0.33	0	196.58
31	35	59.58	74.68	0	0	0	0.33	0	196.36
31	35	59.43	74.48	0	0	0	0.33	0	196.1
31	35	59.29	74.31	0	0	0	0.33	0	195.88
31	34	58.98	73.93	0	0	0	0.33	0	195.37
31	34	58.54	73.37	0	0	0	0.33	0	194.63
31	34	57.89	72.55	0	0	0	0.33	0	193.54
31	34	57.22	71.72	0	0	0	0.33	0	192.43
31	34	56.59	70.92	0	0	0	0.33	0	191.36
31	34	56.1	70.31	0	0	0	0.33	0	190.53
31	34	55.83	69.97	0	0	0	0.33	0	190.08
31	34	55.73	69.85	0	0	0	0.33	0	189.9
31	34	55.77	69.9	0	0	0	0.33	0	189.98
32	34	55.92	70.09	0	0	0	0.33	0	190.24
32	34	56.37	70.66	0	0	0	0.33	0	191
32	34	57.24	71.73	0	0	0	0.33	0	192.45
32	34	58.52	73.34	0	0	0	0.33	0	194.6
33	34	59.58	74.68	0	0	0	0.33	0	196.36
33	35	60.99	76.45	0	0	0	0.33	0	198.67
34	35	62.01	77.71	0	0	0	0.33	0	200.31
34	35	62.92	78.86	0	0	0	0.33	0	201.79
35	35	63.27	79.3	0	0	0	0.33	0	202.34
35	35	64.13	80.37	0	0	0	0.33	0	203.71
36	35	66.48	83.32	0	0	0	0.33	0	207.42
36	35	68.99	86.47	0	0	0	0.33	0	211.3
37	36	71.33	89.4	0	0	0	0.33	0	214.85
37	36	73.75	92.43	0	0	0	0.33	0	218.46
37	36	76.62	96.03	0	0	0	0.33	0	222.67
38	36	79.66	99.84	0	0	0	0.33	0	227.05
38	36	81.4	102.02	0	0	0	0.33	0	229.5
38	37	84.88	106.38	0	0	0	0.33	0	234.37
38	37	88.71	111.18	0	0	0	0.33	0	239.59
39	38	93.72	117.46	0	0	0	0.33	0	246.27
39	38	97.63	122.36	0	0	0	0.33	0	251.35
39	38	101.38	127.06	0	0	0	0.33	0	256.14
40	38	104.06	130.43	0	0	0	0.33	0	259.5
41	38	105.66	132.43	0	0	0	0.33	0	261.48
42	38	105.92	132.76	0	0	0	0.33	0	261.81

43	38	106.44	133.41	0	0	0	0.33	0	262.45
44	38	106.27	133.19	0	0	0	0.33	0	262.24
46	38	106.63	133.64	0	0	0	0.33	0	262.68
46	38	107.21	134.37	0	0	0	0.33	0	263.4
46	38	108.01	135.38	0	0	0	0.33	0	264.38
45	39	111.72	140.02	0	0	0	0.33	0	268.88
45	39	115.48	144.74	0	0	0	0.33	0	273.37
44	39	120.67	151.24	0	0	0	0.33	0	279.44
44	39	123.13	154.33	0	0	0	0.33	0	282.28
44	40	124.51	156.05	0	0	0	0.33	0	283.85
44	39	124.44	155.97	0	0	0	0.33	0	283.78
46	39	125.23	156.95	0	0	0	0.33	0	284.67
48	39	126.09	158.04	0	0	0	0.33	0	285.65
52	39	129.75	162.62	0	0	0	0.33	0	289.76
54	40	131.34	164.61	0	0	0	0.33	0	291.53
56	40	131.75	165.13	0	0	0	0.33	0	291.99
56	40	128.81	161.44	0	0	0	0.33	0	288.71
55	39	126.54	158.6	0	0	0	0.33	0	286.16
55	39	122.29	153.28	0	0	0	0.33	0	281.32
54	39	117.99	147.88	0	0	0	0.33	0	276.32
54	39	112.62	141.16	0	0	0	0.33	0	269.96
53	38	109.65	137.43	0	0	0	0.33	0	266.38
52	38	107.84	135.16	0	0	0	0.33	0	264.17
51	38	107.75	135.04	0	0	0	0.33	0	264.05
50	38	108.91	136.5	0	0	0	0.33	0	265.48
49	38	110.96	139.07	0	0	0	0.33	0	267.96
48	38	112.27	140.71	0	0	0	0.33	0	269.54
46	39	114.05	142.94	0	0	0	0.33	0	271.67
44	39	114.75	143.81	0	0	0	0.33	0	272.5
43	39	115.27	144.47	0	0	0	0.33	0	273.12
41	39	114.25	143.2	0	0	0	0.33	0	271.91
0	0	0	140.81	14	504.17	3.7	0.33	17.89	269.64
0	0	0	137.92	14	458.08	3.36	0.33	16.14	266.85
0	0	0	134.75	14	419.77	3.08	0.33	14.69	263.77
0	0	0	132.46	14	396.66	2.91	0.33	13.83	261.52
0	0	0	131.03	14	393.35	2.88	0.33	13.71	260.11
0	0	0	129.47	14	399.92	2.93	0.33	13.96	258.55
0	0	0	127.5	14	408.52	2.99	0.33	14.3	256.57
0	0	0	125.58	14	416.52	3.05	0.33	14.62	254.63
0	0	0	124.96	14	426.4	3.12	0.33	14.99	254.01
37	38	97.07	121.66	0	0	0	0.33	0	250.63
37	38	94.77	118.77	0	0	0	0.33	0	247.64
36	37	92.63	116.09	0	0	0	0.33	0	244.83
36	38	93.31	116.95	0	0	0	0.33	0	245.73

0	0	0	116.82	14	400.86	2.92	0.33	14.06	245.59
0	0	0	116.11	14	382.8	2.79	0.33	13.37	244.84
0	0	0	115.87	14	365.47	2.66	0.33	12.71	244.59
0	0	0	117.94	14	354.02	2.57	0.33	12.25	246.76
0	0	0	122.52	14	372.85	2.71	0.33	12.9	251.52
0	0	0	127.63	14	411.55	2.99	0.33	14.31	256.7
0	0	0	132.36	14	470.86	3.42	0.33	16.51	261.41
40	38	107.95	135.3	0	0	0	0.33	0	264.3
42	38	109.93	137.78	0	0	0	0.33	0	266.71
44	38	111.69	139.98	0	0	0	0.33	0	268.84
45	39	113.84	142.68	0	0	0	0.33	0	271.42
46	39	116.64	146.18	0	0	0	0.33	0	274.73
48	39	118.5	148.53	0	0	0	0.33	0	276.92
49	39	120.94	151.58	0	0	0	0.33	0	279.76
51	39	124.61	156.18	0	0	0	0.33	0	283.97
52	39	130.62	163.71	0	0	0	0.33	0	290.73
53	40	136.5	171.07	0	0	0	0.33	0	297.2
55	40	141.27	177.06	0	0	0	0.33	0	302.36
56	40	143.08	179.33	0	0	0	0.33	0	304.29
56	40	142.82	179	0	0	0	0.33	0	304
54	40	140.83	176.51	0	0	0	0.33	0	301.88
51	40	138.74	173.88	0	0	0	0.33	0	299.63
49	40	136.47	171.05	0	0	0	0.33	0	297.18
46	40	134.09	168.06	0	0	0	0.33	0	294.57
0	0	0	165.07	14	614.43	4.4	0.33	21.42	291.94
0	0	0	162.75	14	559.79	4.01	0.33	19.36	289.88
0	0	0	158.93	14	493.9	3.54	0.33	16.9	286.45
0	0	0	152.67	14	446.13	3.19	0.33	15.17	280.76
0	0	0	146.08	14	393.48	2.81	0.33	13.26	274.63
0	0	0	141.76	14	381.31	2.72	0.33	12.84	270.54
0	0	0	139.7	14	379.59	2.71	0.33	12.79	268.57
0	0	0	138.01	14	389.09	2.78	0.33	13.15	266.94
0	0	0	136.42	14	404.49	2.88	0.33	13.73	265.4
0	0	0	135.4	14	416.89	2.97	0.33	14.19	264.4
0	0	0	133.97	14	422.96	3.01	0.33	14.43	263.01
0	0	0	131.25	14	404.75	2.88	0.33	13.77	260.32
0	0	0	128.2	14	380.83	2.71	0.33	12.9	257.28
0	0	0	125.56	14	354.32	2.52	0.33	11.93	254.62
0	0	0	125.5	14	347.66	2.47	0.33	11.68	254.56
0	0	0	127.36	14	351.95	2.5	0.33	11.81	256.44
0	0	0	129.9	14	367.2	2.6	0.33	12.34	258.97
0	0	0	132.25	14	388.71	2.76	0.33	13.11	261.31
0	0	0	133.8	14	410.5	2.91	0.33	13.9	262.84
0	0	0	135.07	14	428.23	3.03	0.33	14.53	264.08

0	0	0	136.13	14	437.56	3.1	0.33	14.86	265.12
0	0	0	137.41	14	436.72	3.09	0.33	14.81	266.36
0	0	0	139.01	14	432.65	3.06	0.33	14.63	267.9
0	0	0	140.49	14	432.95	3.06	0.33	14.62	269.33
0	0	0	141.58	14	437.46	3.09	0.33	14.77	270.37
0	0	0	141.83	14	438.8	3.09	0.33	14.8	270.61
0	0	0	141.4	14	436.04	3.07	0.33	14.7	270.2
0	0	0	140.94	14	436.2	3.07	0.33	14.7	269.76
0	0	0	141.01	14	443	3.12	0.33	14.94	269.82
0	0	0	140.28	14	454.63	3.2	0.33	15.37	269.12
0	0	0	139.31	14	463.97	3.26	0.33	15.72	268.19
0	0	0	137.59	14	464.27	3.26	0.33	15.75	266.53
0	0	0	136.08	14	451.43	3.17	0.33	15.27	265.06
0	0	0	133.92	14	431.98	3.03	0.33	14.57	262.96
0	0	0	131.95	14	413.93	2.9	0.33	13.91	261.01
0	0	0	131.3	14	404.08	2.83	0.33	13.54	260.37
0	0	0	131.46	14	400.22	2.8	0.33	13.39	260.53
0	0	0	135.88	14	424.06	2.97	0.33	14.22	264.88
0	0	0	139.84	14	453.92	3.17	0.33	15.27	268.71
0	0	0	143.18	14	481.42	3.36	0.33	16.25	271.9
0	0	0	141.94	14	478.4	3.34	0.33	16.14	270.71
0	0	0	140.62	14	466.41	3.26	0.33	15.7	269.45
0	0	0	139.97	14	453.77	3.17	0.33	15.23	268.83
0	0	0	141.82	14	446.15	3.11	0.33	14.92	270.59
0	0	0	143.72	14	442.25	3.08	0.33	14.74	272.4
0	0	0	145.93	14	448.63	3.12	0.33	14.95	274.49
0	0	0	157.65	14	458.41	3.19	0.33	15.17	285.3
0	0	0	169.38	14	474	3.3	0.33	15.62	295.72
0	0	0	181.97	14	486.3	3.38	0.33	15.94	306.52
0	0	0	185.64	14	498.99	3.47	0.33	16.35	309.59
0	0	0	188.65	14	511.4	3.55	0.33	16.76	312.1
0	0	0	188.96	14	518.66	3.6	0.33	17.01	312.35
0	0	0	188.55	14	523.02	3.62	0.33	17.16	312.02
0	0	0	188.88	14	521.83	3.61	0.33	17.11	312.29
0	0	0	193.85	14	569.39	3.94	0.33	18.78	316.36
0	0	0	199.06	14	626.69	4.34	0.33	20.81	320.59
0	0	0	201.9	14	686.38	4.75	0.33	22.97	322.87
0	0	0	200.92	14	698.88	4.83	0.33	23.43	322.09
0	0	0	198.91	14	695.33	4.8	0.33	23.31	320.47
0	0	0	198.09	14	683.92	4.72	0.33	22.88	319.81
0	0	0	197.98	14	663.23	4.57	0.33	22.11	319.72
0	0	0	197.97	14	637.12	4.39	0.33	21.13	319.71
0	0	0	195.77	14	598.96	4.13	0.33	19.75	317.93
0	0	0	192.05	14	569.7	3.92	0.33	18.71	314.89

0	0	0	185.93	14	523.64	3.6	0.33	17.09	309.83
0	0	0	181.69	14	497.37	3.42	0.33	16.17	306.28
0	0	0	178.96	14	478.05	3.28	0.33	15.49	303.98
0	0	0	180.55	14	502.52	3.45	0.33	16.35	305.32
0	0	0	183.17	14	542.99	3.73	0.33	17.78	307.53
0	0	0	185.64	14	591.81	4.06	0.33	19.52	309.59
0	0	0	188.23	14	633.16	4.34	0.33	20.99	311.74
0	0	0	191.98	14	663.12	4.54	0.33	22.04	314.83
0	0	0	195.68	14	687.33	4.7	0.33	22.87	317.85
0	0	0	196.4	14	702.88	4.81	0.33	23.42	318.44
0	0	0	194.34	14	711.54	4.86	0.33	23.76	316.77
0	0	0	189.67	14	667.64	4.56	0.33	22.18	312.93
0	0	0	182.38	14	607.26	4.15	0.33	20.04	306.86
0	0	0	173.7	14	530.55	3.62	0.33	17.33	299.47
0	0	0	167.04	14	485.11	3.31	0.33	15.75	293.67
0	0	0	165.75	14	448.53	3.06	0.33	14.44	292.54
0	0	0	166.18	14	432.41	2.94	0.33	13.85	292.92
0	0	0	168.88	14	445.24	3.03	0.33	14.28	295.29
0	0	0	173.02	14	484.77	3.3	0.33	15.64	298.88
0	0	0	178.82	14	520.18	3.54	0.33	16.84	303.86
0	0	0	187.18	14	608.65	4.13	0.33	19.95	310.88
0	0	0	192.3	14	677.13	4.6	0.33	22.38	315.1
0	0	0	195.81	14	745.19	5.06	0.33	24.83	317.96
0	0	0	195.55	14	731.99	4.96	0.33	24.33	317.75
0	0	0	194.73	14	700.19	4.74	0.33	23.15	317.08
0	0	0	192.96	14	657.31	4.45	0.33	21.59	315.64
0	0	0	189.22	14	607.33	4.11	0.33	19.81	312.57
0	0	0	183.44	14	565.82	3.83	0.33	18.36	307.76
0	0	0	176.94	14	535.84	3.62	0.33	17.34	302.26
0	0	0	171.78	14	522.37	3.53	0.33	16.9	297.82
0	0	0	170.17	14	526.01	3.55	0.33	17.04	296.41
0	0	0	170.52	14	536.44	3.62	0.33	17.4	296.72
0	0	0	168.66	14	558.21	3.76	0.33	18.21	295.1
0	0	0	167.22	14	580.98	3.91	0.33	19.04	293.83
0	0	0	166.82	14	587.81	3.96	0.33	19.29	293.49
0	0	0	171.39	14	574.88	3.87	0.33	18.75	297.48
0	0	0	175.31	14	558.12	3.75	0.33	18.08	300.86
0	0	0	177.4	14	554.02	3.72	0.33	17.9	302.65
0	0	0	176.86	14	565.05	3.8	0.33	18.29	302.18
0	0	0	175.27	14	573.65	3.85	0.33	18.61	300.83
0	0	0	174.86	14	560.79	3.76	0.33	18.14	300.47
0	0	0	174.94	14	535.16	3.59	0.33	17.21	300.54
0	0	0	174.27	14	509.85	3.42	0.33	16.3	299.97
0	0	0	173.12	14	509.7	3.41	0.33	16.3	298.97

0	0	0	172.96	14	525.51	3.52	0.33	16.85	298.83
0	0	0	174.36	14	555.8	3.72	0.33	17.92	300.04
0	0	0	176.13	14	593.59	3.97	0.33	19.25	301.56
0	0	0	176.97	14	628.31	4.2	0.33	20.49	302.28
0	0	0	176.65	14	649.97	4.34	0.33	21.27	302.01
0	0	0	176.29	14	656.93	4.38	0.33	21.52	301.7
0	0	0	174.56	14	605.56	4.04	0.33	19.66	300.21
0	0	0	171.3	14	522.52	3.48	0.33	16.7	297.39
0	0	0	166.59	14	435.92	2.9	0.33	13.67	293.28
0	0	0	162.83	14	398.77	2.65	0.33	12.4	289.95
0	0	0	160.49	14	396.69	2.64	0.33	12.34	287.86
0	0	0	157.35	14	399.94	2.66	0.33	12.48	285.03
0	0	0	152.95	14	403.8	2.68	0.33	12.65	281.02
0	0	0	146.96	14	392.25	2.6	0.33	12.3	275.46
0	0	0	141.21	14	372.6	2.47	0.33	11.66	270.02
0	0	0	136.75	14	347.77	2.31	0.33	10.83	265.71
0	0	0	133.85	14	333.22	2.21	0.33	10.34	262.89
0	0	0	131.6	14	329.29	2.18	0.33	10.22	260.67
0	0	0	130.51	14	337.87	2.24	0.33	10.52	259.58
0	0	0	130.44	14	350.75	2.32	0.33	10.97	259.52
0	0	0	129.6	14	367.44	2.43	0.33	11.55	258.68
0	0	0	129.02	14	389.09	2.57	0.33	12.32	258.1
0	0	0	127.49	14	413.98	2.73	0.33	13.22	256.56
0	0	0	126.57	14	439.97	2.9	0.33	14.15	255.64
37	37	101.03	126.62	0	0	0	0.33	0	255.69
38	37	102.13	128	0	0	0	0.33	0	257.08
40	37	102.49	128.46	0	0	0	0.33	0	257.54
41	37	100.96	126.53	0	0	0	0.33	0	255.6
42	37	98.84	123.88	0	0	0	0.33	0	252.91
43	37	97.2	121.82	0	0	0	0.33	0	250.8
44	37	95.51	119.71	0	0	0	0.33	0	248.61
45	37	93.82	117.59	0	0	0	0.33	0	246.4
45	36	88.63	111.08	0	0	0	0.33	0	239.49
46	36	84.12	105.43	0	0	0	0.33	0	233.31
46	36	79.88	100.12	0	0	0	0.33	0	227.36
47	36	80.82	101.29	0	0	0	0.33	0	228.69
47	36	82.06	102.84	0	0	0	0.33	0	230.43
47	36	82.56	103.47	0	0	0	0.33	0	231.14
47	36	81.88	102.63	0	0	0	0.33	0	230.19
47	36	82.1	102.9	0	0	0	0.33	0	230.5
47	36	83.17	104.24	0	0	0	0.33	0	231.99
47	36	85.29	106.9	0	0	0	0.33	0	234.94
47	36	86.69	108.65	0	0	0	0.33	0	236.85
47	36	87.37	109.51	0	0	0	0.33	0	237.78

47	36	87.93	110.2	0	0	0	0.33	0	238.54
47	36	88.27	110.63	0	0	0	0.33	0	239
46	36	87	109.04	0	0	0	0.33	0	237.28
46	36	84.51	105.92	0	0	0	0.33	0	233.85
45	36	80.48	100.87	0	0	0	0.33	0	228.21
45	36	76.48	95.85	0	0	0	0.33	0	222.47
44	35	71.22	89.26	0	0	0	0.33	0	214.67
39	34	64.26	80.54	0	0	0	0.33	0	203.92
32	33	55.77	69.9	0	0	0	0.33	0	189.97
25	32	47.71	59.8	0	0	0	0.33	0	175.71
0	0	0	50.72	14	131.98	0.85	0.33	4.03	161.83
0	0	0	44.65	14	97.75	0.63	0.33	2.92	151.83
0	0	0	37.85	14	66.37	0.43	0.33	1.98	139.8
0	0	0	36.26	14	70.45	0.46	0.33	2.1	136.83
0	0	0	34.85	14	72.19	0.47	0.33	2.15	134.13
0	0	0	33.59	14	70.71	0.46	0.33	2.11	131.69
0	0	0	32.8	14	68.61	0.44	0.33	2.05	130.14
0	0	0	32.8	14	69.73	0.45	0.33	2.08	130.13
0	0	0	33.23	14	73.45	0.47	0.33	2.19	130.99
0	0	0	33.77	14	79.88	0.51	0.33	2.39	132.05
0	0	0	35.56	14	87.92	0.57	0.33	2.65	135.5
0	0	0	38.1	14	95.59	0.62	0.33	2.88	140.25
0	0	0	41.57	14	104	0.67	0.33	3.13	146.5
0	0	0	45.38	14	117.84	0.76	0.33	3.57	153.07
0	0	0	49.74	14	141.83	0.91	0.33	4.34	160.26
22	32	43.28	54.24	0	0	0	0.33	0	167.35
25	32	46.67	58.49	0	0	0	0.33	0	173.78
27	32	49.29	61.77	0	0	0	0.33	0	178.59
31	33	53	66.43	0	0	0	0.33	0	185.19
34	33	56.43	70.72	0	0	0	0.33	0	191.09
38	34	59.96	75.15	0	0	0	0.33	0	196.98
40	34	62.32	78.11	0	0	0	0.33	0	200.82
42	35	64.26	80.54	0	0	0	0.33	0	203.92
44	35	67.66	84.8	0	0	0	0.33	0	209.24
46	36	70.89	88.85	0	0	0	0.33	0	214.18
47	36	74.33	93.16	0	0	0	0.33	0	219.32
48	36	76.15	95.44	0	0	0	0.33	0	221.99
49	36	77.67	97.34	0	0	0	0.33	0	224.18
49	36	79.14	99.19	0	0	0	0.33	0	226.31
48	36	81.23	101.81	0	0	0	0.33	0	229.28
48	36	84.43	105.82	0	0	0	0.33	0	233.74
48	37	88.7	111.17	0	0	0	0.33	0	239.58
47	37	93.1	116.68	0	0	0	0.33	0	245.45
47	37	96.07	120.41	0	0	0	0.33	0	249.33

47	37	100.85	126.4	0	0	0	0.33	0	255.46
47	37	104.93	131.51	0	0	0	0.33	0	260.58
47	38	110.05	137.93	0	0	0	0.33	0	266.86
48	38	112.84	141.43	0	0	0	0.33	0	270.23
48	38	115.65	144.95	0	0	0	0.33	0	273.57
49	38	117.68	147.49	0	0	0	0.33	0	275.95
49	38	118.45	148.46	0	0	0	0.33	0	276.86
50	38	117.99	147.88	0	0	0	0.33	0	276.32
50	38	116.58	146.11	0	0	0	0.33	0	274.66
50	38	114.85	143.95	0	0	0	0.33	0	272.62
50	38	113.19	141.86	0	0	0	0.33	0	270.64
50	38	112.08	140.48	0	0	0	0.33	0	269.31
49	38	111.57	139.84	0	0	0	0.33	0	268.7
49	38	115.53	144.8	0	0	0	0.33	0	273.43
48	38	120.36	150.85	0	0	0	0.33	0	279.08
48	38	126.33	158.33	0	0	0	0.33	0	285.91
47	39	129	161.68	0	0	0	0.33	0	288.92
46	39	130.73	163.84	0	0	0	0.33	0	290.85
44	39	130.96	164.14	0	0	0	0.33	0	291.11
43	39	130.59	163.67	0	0	0	0.33	0	290.7
41	39	130.06	163	0	0	0	0.33	0	290.1
40	39	128.87	161.51	0	0	0	0.33	0	288.78
40	39	128.08	160.52	0	0	0	0.33	0	287.89
42	39	128.4	160.93	0	0	0	0.33	0	288.26
45	39	128.05	160.49	0	0	0	0.33	0	287.86
49	38	127.21	159.43	0	0	0	0.33	0	286.91
52	38	123.77	155.13	0	0	0	0.33	0	283.01
55	39	120.59	151.14	0	0	0	0.33	0	279.35
57	39	116.26	145.71	0	0	0	0.33	0	274.29
59	39	109.94	137.79	0	0	0	0.33	0	266.73
61	39	100.58	126.06	0	0	0	0.33	0	255.12
63	39	89.55	112.24	0	0	0	0.33	0	240.73
64	39	79.75	99.95	0	0	0	0.33	0	227.17
65	40	74.08	92.85	0	0	0	0.33	0	218.95
66	40	71.21	89.26	0	0	0	0.33	0	214.67
0	0	0	87.46	0	0	0	0.33	0	212.5
0	0	0	86.04	0	0	0	0.33	0	210.77
0	0	0	84.16	0	0	0	0.33	0	208.45
0	0	0	81.63	0	0	0	0.33	0	205.3
0	0	0	77.97	0	0	0	0.33	0	200.64
0	0	0	72.59	0	0	0	0.33	0	193.6
44	34	53.27	66.77	0	0	0	0.33	0	185.67
38	33	49.24	61.72	0	0	0	0.33	0	178.51
33	32	46.17	57.86	0	0	0	0.33	0	172.84

30	32	43.8	54.89	0	0	0	0.33	0	168.35
27	32	41.98	52.62	0	0	0	0.33	0	164.83
25	32	40.58	50.87	0	0	0	0.33	0	162.06
24	32	39.5	49.51	0	0	0	0.33	0	159.88
23	32	37.97	47.59	0	0	0	0.33	0	156.75
22	32	36.88	46.22	0	0	0	0.33	0	154.49
21	32	36.03	45.16	0	0	0	0.33	0	152.7
21	32	34.13	42.78	0	0	0	0.33	0	148.61
20	32	32.19	40.35	0	0	0	0.33	0	144.33
18	32	30.58	38.33	0	0	0	0.33	0	140.68
17	32	30.49	38.22	0	0	0	0.33	0	140.47
0	0	0	38	14	105.03	0.65	0.33	3.07	140.07
0	0	0	37.3	14	97.98	0.6	0.33	2.84	138.78
0	0	0	36.64	14	94.76	0.58	0.33	2.74	137.54
0	0	0	35.92	14	93.64	0.58	0.33	2.71	136.19
0	0	0	35.23	14	93.88	0.58	0.33	2.72	134.87
0	0	0	34.66	14	93.86	0.58	0.33	2.73	133.77
0	0	0	33.85	14	92.99	0.57	0.33	2.71	132.2
0	0	0	33.09	14	90.63	0.56	0.33	2.64	130.71
0	0	0	32.15	14	87.15	0.53	0.33	2.53	128.84
0	0	0	31.79	14	83.56	0.51	0.33	2.41	128.11
0	0	0	31.68	14	79.72	0.49	0.33	2.29	127.89
0	0	0	32.29	14	76.38	0.47	0.33	2.17	129.12
0	0	0	34.18	14	73.28	0.45	0.33	2.07	132.84
0	0	0	37.05	14	71.67	0.44	0.33	2.02	138.31
0	0	0	39.54	14	69.19	0.42	0.33	1.95	142.88
0	0	0	41.05	14	68.07	0.42	0.33	1.92	145.58
0	0	0	41.69	14	68.44	0.42	0.33	1.93	146.72
0	0	0	42.5	14	74.12	0.45	0.33	2.09	148.13
0	0	0	44.05	14	86.87	0.53	0.33	2.44	150.81
0	0	0	46.78	14	111.97	0.68	0.33	3.17	155.41
0	0	0	49.59	14	147.82	0.9	0.33	4.32	160.01
22	32	41.66	52.22	0	0	0	0.33	0	164.2
25	32	43.18	54.12	0	0	0	0.33	0	167.17
27	32	44.29	55.51	0	0	0	0.33	0	169.3
30	32	45.33	56.82	0	0	0	0.33	0	171.28
32	32	46.68	58.5	0	0	0	0.33	0	173.79
35	32	48.88	61.26	0	0	0	0.33	0	177.85
37	33	51.42	64.45	0	0	0	0.33	0	182.41
39	33	53.82	67.45	0	0	0	0.33	0	186.62
43	34	57.14	71.62	0	0	0	0.33	0	192.3
47	35	62.79	78.69	0	0	0	0.33	0	201.57
52	36	69.13	86.64	0	0	0	0.33	0	211.5
55	37	76.26	95.58	0	0	0	0.33	0	222.15

57	38	82.68	103.63	0	0	0	0.33	0	231.31
60	38	89.41	112.06	0	0	0	0.33	0	240.53
62	39	96.84	121.38	0	0	0	0.33	0	250.34
63	39	104.43	130.88	0	0	0	0.33	0	259.95
64	39	111.93	140.28	0	0	0	0.33	0	269.13
64	40	118.97	149.11	0	0	0	0.33	0	277.46
64	40	125.97	157.88	0	0	0	0.33	0	285.51
63	40	132.96	166.65	0	0	0	0.33	0	293.33
61	40	138.65	173.77	0	0	0	0.33	0	299.53
59	40	143.19	179.47	0	0	0	0.33	0	304.41
58	39	145.19	181.97	0	0	0	0.33	0	306.52
56	39	146.46	183.56	0	0	0	0.33	0	307.86
54	39	146	182.99	0	0	0	0.33	0	307.38
53	39	145.2	181.98	0	0	0	0.33	0	306.53
52	39	142.27	178.31	0	0	0	0.33	0	303.42
52	39	137.97	172.93	0	0	0	0.33	0	298.81
51	39	132	165.44	0	0	0	0.33	0	292.27
51	38	124.96	156.61	0	0	0	0.33	0	284.36
52	38	117.5	147.27	0	0	0	0.33	0	275.75
52	38	111.21	139.38	0	0	0	0.33	0	268.26
53	38	105.82	132.62	0	0	0	0.33	0	261.68
54	38	101.79	127.58	0	0	0	0.33	0	256.66
54	38	97.59	122.32	0	0	0	0.33	0	251.31
55	38	95.19	119.3	0	0	0	0.33	0	248.19
56	38	92.51	115.95	0	0	0	0.33	0	244.67
57	38	91.84	115.1	0	0	0	0.33	0	243.78
57	38	91.01	114.06	0	0	0	0.33	0	242.68
57	38	93.19	116.8	0	0	0	0.33	0	245.57
56	38	97.44	122.12	0	0	0	0.33	0	251.1
56	38	103.74	130.02	0	0	0	0.33	0	259.1
56	38	110.49	138.48	0	0	0	0.33	0	267.39
56	38	116.9	146.51	0	0	0	0.33	0	275.04
57	39	122.8	153.91	0	0	0	0.33	0	281.9
57	39	128.89	161.54	0	0	0	0.33	0	288.8
57	39	133.06	166.77	0	0	0	0.33	0	293.44
57	39	143.43	179.77	0	0	0	0.33	0	304.66
57	40	153.17	191.98	0	0	0	0.33	0	314.84
57	40	164.08	205.65	0	0	0	0.33	0	325.85
58	40	169.21	212.08	0	0	0	0.33	0	330.9
58	40	172.31	215.96	0	0	0	0.33	0	333.92
58	40	174.33	218.5	0	0	0	0.33	0	335.88
58	40	175.19	219.57	0	0	0	0.33	0	336.7
58	40	176.03	220.62	0	0	0	0.33	0	337.5
57	40	174.51	218.72	0	0	0	0.33	0	336.05

57	40	172.14	215.75	0	0	0	0.33	0	333.76
56	40	169.16	212.01	0	0	0	0.33	0	330.85
57	40	167.58	210.03	0	0	0	0.33	0	329.3
57	40	166.23	208.34	0	0	0	0.33	0	327.98
58	40	164.82	206.57	0	0	0	0.33	0	326.58
59	40	163.89	205.41	0	0	0	0.33	0	325.66
60	40	161.62	202.57	0	0	0	0.33	0	323.4
61	40	161.14	201.96	0	0	0	0.33	0	322.92
63	40	160.64	201.34	0	0	0	0.33	0	322.42
65	41	162.65	203.86	0	0	0	0.33	0	324.43
66	41	165.53	207.46	0	0	0	0.33	0	327.28
66	41	169.18	212.04	0	0	0	0.33	0	330.88
67	41	173.42	217.35	0	0	0	0.33	0	334.99
67	41	177.13	222	0	0	0	0.33	0	338.56
66	41	179.88	225.45	0	0	0	0.33	0	341.18
65	41	181.14	227.03	0	0	0	0.33	0	342.37
64	41	183.44	229.91	0	0	0	0.33	0	344.54
63	41	185.43	232.41	0	0	0	0.33	0	346.41
63	41	187.49	234.98	0	0	0	0.33	0	348.32
62	41	179.13	224.51	0	0	0	0.33	0	340.46
62	40	169.73	212.72	0	0	0	0.33	0	331.41
62	40	159.75	200.22	0	0	0	0.33	0	321.52
62	40	157.96	197.97	0	0	0	0.33	0	319.71
63	40	157.03	196.81	0	0	0	0.33	0	318.77
63	40	153.86	192.83	0	0	0	0.33	0	315.54
63	40	150.96	189.21	0	0	0	0.33	0	312.55
64	40	148.99	186.73	0	0	0	0.33	0	310.5
64	40	151.56	189.95	0	0	0	0.33	0	313.17
65	40	156.6	196.27	0	0	0	0.33	0	318.34
66	41	163.64	205.09	0	0	0	0.33	0	325.41
66	41	172.42	216.1	0	0	0	0.33	0	334.03
67	41	179.04	224.39	0	0	0	0.33	0	340.38
67	41	193.22	242.17	0	0	0	0.33	0	353.61
68	42	205.25	257.25	0	0	0	0.33	0	364.45
67	42	219.53	275.14	0	0	0	0.33	0	376.91
65	42	226.34	283.68	0	0	0	0.33	0	382.71
63	42	231.89	290.63	0	0	0	0.33	0	387.37
60	42	234.59	294.02	0	0	0	0.33	0	389.63
57	42	234.74	294.21	0	0	0	0.33	0	389.75
0	0	0	294.8	14	1202.22	6.94	0.33	35.14	390.14
0	0	0	293.53	14	1085.16	6.26	0.33	31.21	389.3
0	0	0	290.76	14	983.78	5.67	0.33	27.88	387.46
0	0	0	285.98	14	876.97	5.05	0.33	24.45	384.26
0	0	0	279.21	14	860.18	4.95	0.33	23.98	379.68

0	0	0	271.81	14	850.29	4.9	0.33	23.76	374.62
0	0	0	262.12	14	838.3	4.82	0.33	23.49	367.88
0	0	0	254.77	14	809.88	4.66	0.33	22.66	362.69
0	0	0	247.11	14	774.9	4.45	0.33	21.62	357.19
0	0	0	239.2	14	729.56	4.19	0.33	20.26	351.43
0	0	0	231.7	14	693.48	3.98	0.33	19.19	345.88
0	0	0	226.74	14	670.12	3.85	0.33	18.49	342.16
0	0	0	220.27	14	637.77	3.66	0.33	17.53	337.23
0	0	0	216.86	14	606.42	3.48	0.33	16.57	334.62
0	0	0	215.31	14	582.26	3.34	0.33	15.81	333.42
0	0	0	221.29	14	609.98	3.49	0.33	16.61	338.02
0	0	0	230.82	14	690.33	3.95	0.33	19.04	345.22
0	0	0	243.41	14	821.17	4.7	0.33	23.09	354.51
0	0	0	254.54	14	970.02	5.55	0.33	27.81	362.52
0	0	0	270.64	14	1070.68	6.12	0.33	30.87	373.81
0	0	0	286.81	14	1199.59	6.85	0.33	34.88	384.81
0	0	0	301.43	14	1279.21	7.3	0.33	37.27	394.51
58	42	245.75	308.01	0	0	0	0.33	0	398.78
0	0	0	310.51	14	1287.19	7.34	0.33	37.33	400.4
0	0	0	312.32	14	1229.88	7.01	0.33	35.35	401.57
0	0	0	313.03	14	1190.6	6.78	0.33	34.01	402.02
0	0	0	312.93	14	1169.46	6.66	0.33	33.29	401.96
0	0	0	311.95	14	1166.5	6.64	0.33	33.2	401.33
0	0	0	310.1	14	1169.1	6.65	0.33	33.3	400.14
0	0	0	306.1	14	1166.74	6.63	0.33	33.28	397.55
0	0	0	299.76	14	1152.27	6.55	0.33	32.89	393.41
0	0	0	290.9	14	1136.06	6.45	0.33	32.5	387.55
0	0	0	280.94	14	1126	6.39	0.33	32.34	380.86
53	42	215.27	269.8	0	0	0	0.33	0	373.23
53	41	205.2	257.18	0	0	0	0.33	0	364.4
53	41	197.12	247.06	0	0	0	0.33	0	357.16
53	40	185.21	232.14	0	0	0	0.33	0	346.2
52	40	176.98	221.82	0	0	0	0.33	0	338.42
50	40	167.94	210.48	0	0	0	0.33	0	329.66
49	40	165.65	207.62	0	0	0	0.33	0	327.41
47	40	162.89	204.16	0	0	0	0.33	0	324.67
46	40	160.57	201.24	0	0	0	0.33	0	322.34
46	39	159.45	199.84	0	0	0	0.33	0	321.22
46	39	157.83	197.81	0	0	0	0.33	0	319.58
45	39	155.3	194.65	0	0	0	0.33	0	317.02
44	39	152.09	190.62	0	0	0	0.33	0	313.72
43	39	149.64	187.55	0	0	0	0.33	0	311.19
42	39	148.5	186.12	0	0	0	0.33	0	310
42	39	145.73	182.64	0	0	0	0.33	0	307.09

42	39	142.19	178.21	0	0	0	0.33	0	303.34
41	38	136.76	171.41	0	0	0	0.33	0	297.49
40	38	131.68	165.04	0	0	0	0.33	0	291.91
39	38	126.26	158.24	0	0	0	0.33	0	285.84
38	38	122.18	153.13	0	0	0	0.33	0	281.18
36	38	120.17	150.61	0	0	0	0.33	0	278.86
0	0	0	150.79	14	528.56	2.96	0.33	14.68	279.02
0	0	0	151.63	14	518.42	2.91	0.33	14.33	279.8
0	0	0	152.19	14	516.06	2.89	0.33	14.24	280.32
0	0	0	151.49	14	519.5	2.91	0.33	14.36	279.67
36	38	120.21	150.66	0	0	0	0.33	0	278.91
37	38	120.07	150.49	0	0	0	0.33	0	278.75
38	38	119.74	150.07	0	0	0	0.33	0	278.36
39	38	120.37	150.86	0	0	0	0.33	0	279.09
40	37	120.96	151.6	0	0	0	0.33	0	279.78
41	38	122.26	153.24	0	0	0	0.33	0	281.28
42	38	123.39	154.65	0	0	0	0.33	0	282.58
43	38	124.34	155.84	0	0	0	0.33	0	283.66
43	38	125.56	157.37	0	0	0	0.33	0	285.05
44	38	126.52	158.57	0	0	0	0.33	0	286.14
43	38	127.88	160.28	0	0	0	0.33	0	287.67
42	38	130.15	163.12	0	0	0	0.33	0	290.21
42	38	131.97	165.4	0	0	0	0.33	0	292.23
42	39	142.86	179.05	0	0	0	0.33	0	304.05
0	0	0	195.13	14	725.67	4.03	0.33	20.19	317.41
0	0	0	213.74	14	756.66	4.2	0.33	20.86	332.2
0	0	0	225.07	14	800.62	4.44	0.33	22.08	340.89
0	0	0	233.14	14	849.63	4.71	0.33	23.52	346.95
0	0	0	237.66	14	886.05	4.91	0.33	24.62	350.3
0	0	0	238.45	14	891.84	4.94	0.33	24.78	350.88
0	0	0	240.32	14	882.69	4.89	0.33	24.44	352.25
0	0	0	240.93	14	838.95	4.65	0.33	23	352.69
0	0	0	241.46	14	806.34	4.46	0.33	21.94	353.08
0	0	0	238.75	14	791.39	4.38	0.33	21.49	351.1
0	0	0	238.13	14	826.95	4.57	0.33	22.63	350.64
0	0	0	234.03	14	878.57	4.86	0.33	24.36	347.61
47	40	183.07	229.45	0	0	0	0.33	0	344.19
48	40	177.82	222.86	0	0	0	0.33	0	339.22
48	40	175.15	219.52	0	0	0	0.33	0	336.66
49	40	173.39	217.32	0	0	0	0.33	0	334.97
49	40	171.83	215.36	0	0	0	0.33	0	333.46
50	40	170.32	213.47	0	0	0	0.33	0	331.99
50	40	168.26	210.88	0	0	0	0.33	0	329.97
51	39	164.79	206.54	0	0	0	0.33	0	326.56

52	39	162.21	203.3	0	0	0	0.33	0	323.98
53	39	157.54	197.45	0	0	0	0.33	0	319.29
53	39	154.5	193.64	0	0	0	0.33	0	316.2
54	39	150.25	188.31	0	0	0	0.33	0	311.81
54	39	147.05	184.3	0	0	0	0.33	0	308.48
55	39	141.51	177.36	0	0	0	0.33	0	302.61
56	39	135.66	170.03	0	0	0	0.33	0	296.29
56	39	132.19	165.67	0	0	0	0.33	0	292.47
55	39	134.38	168.42	0	0	0	0.33	0	294.89
54	39	140.92	176.62	0	0	0	0.33	0	301.98
53	39	148.61	186.25	0	0	0	0.33	0	310.11
52	39	155.18	194.5	0	0	0	0.33	0	316.89
51	39	158.62	198.8	0	0	0	0.33	0	320.38
50	39	162.63	203.83	0	0	0	0.33	0	324.41
50	39	166	208.06	0	0	0	0.33	0	327.75
49	40	171.71	215.22	0	0	0	0.33	0	333.35
47	40	177.14	222.02	0	0	0	0.33	0	338.57
46	40	183.61	230.12	0	0	0	0.33	0	344.7
0	0	0	236.38	14	891.45	4.86	0.33	24.43	349.35
0	0	0	240.3	14	906.76	4.94	0.33	24.84	352.24
0	0	0	242.51	14	923.92	5.03	0.33	25.34	353.85
0	0	0	239.88	14	857.47	4.67	0.33	23.24	351.93
0	0	0	233.08	14	766.56	4.17	0.33	20.46	346.91
0	0	0	219.89	14	660.22	3.59	0.33	17.33	336.95
0	0	0	206.82	14	613.9	3.34	0.33	16.08	326.78
0	0	0	195.46	14	589.46	3.2	0.33	15.47	317.68
0	0	0	189.36	14	582.3	3.16	0.33	15.33	312.68
0	0	0	188.06	14	585.49	3.18	0.33	15.44	311.6
0	0	0	189.33	14	591.64	3.21	0.33	15.6	312.65
0	0	0	188.77	14	601.74	3.26	0.33	15.92	312.19
0	0	0	186.38	14	619.5	3.36	0.33	16.51	310.22
0	0	0	183.93	14	650.85	3.53	0.33	17.53	308.17
40	39	147.43	184.78	0	0	0	0.33	0	308.88
41	39	150.4	188.51	0	0	0	0.33	0	311.98
42	39	153.56	192.46	0	0	0	0.33	0	315.23
41	39	154.36	193.46	0	0	0	0.33	0	316.05
0	0	0	192.63	14	686.11	3.71	0.33	18.46	315.37
0	0	0	190.71	14	645.71	3.49	0.33	17.2	313.79
0	0	0	190.85	14	631	3.41	0.33	16.73	313.91
0	0	0	191.31	14	620.37	3.35	0.33	16.39	314.28
0	0	0	190.05	14	618.75	3.34	0.33	16.35	313.25
0	0	0	185.57	14	624.78	3.37	0.33	16.6	309.54
0	0	0	176.5	14	635.5	3.42	0.33	17.08	301.87
39	38	131.61	164.95	0	0	0	0.33	0	291.83

40	37	121.13	151.82	0	0	0	0.33	0	279.97
42	37	113.13	141.79	0	0	0	0.33	0	270.57
43	37	109.1	136.74	0	0	0	0.33	0	265.7
46	37	109	136.62	0	0	0	0.33	0	265.59
47	37	110.66	138.69	0	0	0	0.33	0	267.6
46	37	111.27	139.45	0	0	0	0.33	0	268.33
44	37	114.39	143.37	0	0	0	0.33	0	272.08
42	37	116.69	146.25	0	0	0	0.33	0	274.79
41	37	118.81	148.9	0	0	0	0.33	0	277.27
40	37	116.54	146.06	0	0	0	0.33	0	274.62
38	37	112.84	141.42	0	0	0	0.33	0	270.22
37	37	109.07	136.69	0	0	0	0.33	0	265.66
36	36	106.43	133.39	0	0	0	0.33	0	262.43
35	36	105	131.6	0	0	0	0.33	0	260.67
35	36	103.63	129.88	0	0	0	0.33	0	258.96
35	36	102.48	128.45	0	0	0	0.33	0	257.52
36	36	101.7	127.47	0	0	0	0.33	0	256.54
37	36	101.92	127.74	0	0	0	0.33	0	256.82
38	36	102.21	128.11	0	0	0	0.33	0	257.19
38	36	102.06	127.91	0	0	0	0.33	0	256.99
37	36	101.87	127.67	0	0	0	0.33	0	256.75
36	36	102.41	128.35	0	0	0	0.33	0	257.43
35	36	103.67	129.93	0	0	0	0.33	0	259.01
34	36	105.22	131.87	0	0	0	0.33	0	260.93
33	37	106.83	133.9	0	0	0	0.33	0	262.93
0	0	0	136.54	14	453.14	2.41	0.33	11.85	265.52
0	0	0	137.55	14	419.04	2.23	0.33	10.78	266.5
0	0	0	137.02	14	390.63	2.07	0.33	9.92	265.98
0	0	0	133.86	14	360.23	1.91	0.33	9.05	262.89
0	0	0	130.92	14	358.37	1.9	0.33	9.03	259.99
0	0	0	127.55	14	361.83	1.92	0.33	9.17	256.62
0	0	0	124.21	14	372.69	1.98	0.33	9.54	253.24
0	0	0	121.83	14	384.16	2.04	0.33	9.92	250.81
0	0	0	117.55	14	394.16	2.09	0.33	10.29	246.36
30	35	90.67	113.64	0	0	0	0.33	0	242.23
30	35	86.94	108.97	0	0	0	0.33	0	237.19
31	35	86.05	107.84	0	0	0	0.33	0	235.97
32	35	86.25	108.1	0	0	0	0.33	0	236.25
33	35	87.59	109.79	0	0	0	0.33	0	238.08
35	35	89.26	111.87	0	0	0	0.33	0	240.34
0	0	0	6.93	0	0	0	0.33	0	59.81
0	0	0	7.65	0	0	0	0.33	0	62.83
0	0	0	8.21	0	0	0	0.33	0	65.12
0	0	0	8.8	0	0	0	0.33	0	67.42

0	0	0	8.9	0	0	0	0.33	0	67.78
0	0	0	8.87	0	0	0	0.33	0	67.68
0	0	0	8.7	0	0	0	0.33	0	67.03
0	0	0	8.53	0	0	0	0.33	0	66.38
0	0	0	8.42	0	0	0	0.33	0	65.92

State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)
-0.12	0	0	0	0.07
-0.05	0	0	0	0.13
-0.03	0	0	0	0.18
-0.04	0	0	0	0.25
-0.08	0	0	0	0.33
-0.11	0	0	0	0.42
-0.14	0	0	0	0.51
-0.15	0	0	0	0.6
-0.18	0	0	0	0.7
-0.19	0	0	0	0.8
-0.21	0	0	0	0.91
-0.21	0	0	0	1
-0.22	0	0	0	1.1
-0.23	0	0	0	1.2
-0.24	0	0	0	1.31
-0.24	0	0	0	1.4
-0.25	0	0	0	1.5
-0.25	0	0	0	1.59
-0.25	0	0	0	1.69
-0.25	0	0	0	1.79
-0.26	0	0	0	1.89
-0.26	0	0	0	1.99
-0.27	0	0	0	2.11
-0.28	0	0	0	2.23
-0.28	0	0	0	2.34
-0.29	0	0	0	2.45
-0.29	0	0	0	2.56
-0.29	0	0	0	2.67
-0.3	0	0	0	2.79
-0.3	0	0	0	2.9
-0.31	0	0	0	3.02
-0.31	0	0	0	3.12
-0.31	0	0	0	3.23
-0.31	0	0	0	3.34
-0.31	0	0	0	3.44
-0.31	0	0	0	3.54
-0.31	0	0	0	3.64
-0.31	0	0	0	3.75
-0.32	0	0	0	3.86
-0.32	0	0	0	3.97
-0.32	0	0	0	4.09

-0.32	0	0	0	4.19
-0.32	0	0	0	4.29
-0.32	0	0	0	4.39
-0.32	0	0	0	4.49
-0.32	0	0	0	4.59
-0.32	0	0	0	4.7
-0.32	0	0	0	4.81
-0.32	0	0	0	4.92
-0.32	0	0	0	5.03
-0.32	0	0	0	5.12
-0.32	0	0	0	5.21
-0.32	0	0	0	5.32
-0.32	0	0	0	5.42
-0.32	0	0	0	5.53
-0.32	0	0	0	5.62
-0.32	0	0	0	5.72
-0.32	0	0	0	5.83
-0.33	0	0	0	5.94
-0.33	0	0	0	6.08
-0.33	0	0	0	6.2
-0.33	0	0	0	6.34
-0.34	0	0	0	6.45
-0.34	0	0	0	6.57
-0.34	0	0	0	6.65
0	1	73.51	0	389.09
0	1	72.42	0	378.21
0	1	68.92	0	358.9
0	1	67.54	0	344.9
0	1	66.35	0	328.27
0	1	69	0	325.63
0	1	71.67	0	322.99
0	1	72.39	0	313.52
0	1	71.96	0	303.07
0	1	70.24	0	292.25
0	1	70.17	0	290.89
0	1	70.03	0	291.63
0	1	69.62	0	292.5
0	1	69.06	0	291.88
0	1	68.51	0	289.55
0	1	68.4	0	285.73
0	1	67.65	0	281.14
0	1	66.8	0	275.79
0	1	65.61	0	271.55
0	1	66.07	0	268.19

0	1	66.36	0	263.85
0	1	66.99	0	259.39
0	1	66.27	0	253.94
0	1	65.89	0	250.47
0	1	65.29	0	246.38
0	1	65.19	0	243.39
0	1	65.3	0	240.78
0	1	65.4	0	238.8
0	1	65.18	0	236.95
0	1	64.63	0	233.86
0	1	63.97	0	229.64
0	1	63.01	0	224.57
0	1	62.34	0	220.1
0	1	61.98	0	217.6
0	1	62.29	0	216.95
0	1	62.5	0	216.55
0	1	62.19	0	214.66
0	1	62.05	0	212.52
0	1	62.01	0	211.02
0	1	62.58	0	211.38
0	1	63.15	0	212.36
0	1	63.63	0	212.84
0	1	64.09	0	212.72
0	1	64.29	0	212.24
0	1	64.23	0	212
0	1	63.66	0	211.15
0	1	62.74	0	209.55
0	1	61.68	0	207.21
0	1	61.15	0	205.95
0	1	61.26	0	205.81
0	1	61.81	0	206.16
0	1	62.08	0	205.28
0	1	62.26	0	203.54
0	1	62.46	0	201.32
0	1	62.71	0	198.97
0	1	62.93	0	196.62
0	1	62.75	0	194.26
0	1	63.21	0	192.39
0	1	63.66	0	190.53
0	1	64.55	0	189.3
0	1	65.05	0	188.42
0	1	65.73	0	188.29
0	1	66.45	0	187.91
0	1	67.25	0	187.54

0	1	68.09	0	187.03
0	1	68.53	0	185.67
0	1	68.84	0	183.81
0	1	69.41	0	181.7
0	1	70.75	0	180.57
0	1	72.38	0	180.07
0	1	73.84	0	179.92
0	1	74.91	0	180.14
0	1	75.81	0	180.34
0	1	76.56	0	180.68
0	1	77.27	0	181.15
0	1	78	0	181.63
0	1	78.62	0	181.63
0	1	79.1	0	181.39
0	1	79.95	0	180.9
0	1	80.44	0	180.14
0	1	80.76	0	179
0	1	80.74	0	177.74
0	1	81.2	0	176.6
0	1	82.17	0	175.34
0	1	83.33	0	174.08
0	1	84.87	0	173.19
0	1	86.56	0	172.29
0	1	88.25	0	171.76
0	1	89.58	0	171.24
0	1	89.36	0	169.24
0	1	87.95	0	166.87
0	1	85.96	0	164.5
0	1	84.92	0	164.12
0	1	84.1	0	163.86
0	1	83.62	0	163.48
0	1	83.25	0	162.49
0	1	82.78	0	160.88
0	1	81.6	0	158.03
0	1	79.96	0	154.32
0	1	78.44	0	149.99
0	1	77.19	0	146.04
0	1	76.06	0	142.81
0	1	75.07	0	140.7
0	1	74.44	0	139.46
0	1	74.41	0	138.95
0	1	74.72	0	138.81
0	1	76.3	0	140.71
0	1	77.77	0	142.36

0	1	79.3	0	143.65
0	1	79.53	0	142.66
0	1	79.81	0	141.92
0	1	80.15	0	141.44
0	1	80.68	0	141.34
0	1	81.12	0	141.11
0	1	81.24	0	140.48
0	1	80.98	0	139.38
0	1	80.23	0	137.92
0	1	78.9	0	136.6
0	1	77.62	0	135.65
0	1	76.88	0	135.3
0	1	76.74	0	135.52
0	1	76.92	0	136.11
0	1	77.4	0	137.1
0	1	78.21	0	138.49
0	1	79.25	0	139.63
0	1	80.16	0	140.15
0	1	80.69	0	139.92
0	1	79.08	0	139.43
0	1	76.88	0	139.07
0	1	74.72	0	138.96
0	1	74.16	0	139.84
0	1	74	0	141.45
0	1	74.28	0	144.06
0	1	74.82	0	147.15
0	1	74.77	0	149.49
0	1	74.26	0	152.05
0	1	73.56	0	153.77
0	1	73.29	0	155.86
0	1	73.35	0	156.74
0	1	73.75	0	157.48
0	1	74.26	0	157.61
0	1	74.25	0	156.84
0	1	74.15	0	155.32
0	1	73.92	0	153.67
0	1	74.19	0	152.93
0	1	74.39	0	152.47
0	1	74.97	0	152.14
0	1	75.98	0	151.9
0	1	77.07	0	152.15
0	1	78.34	0	152.64
0	1	80.15	0	154.46
0	1	82.17	0	156.3

0	1	84.61	0	158.39
0	1	86.56	0	159.28
0	1	88.49	0	160.31
0	1	89.55	0	161.12
0	1	90.92	0	161.8
0	1	92.08	0	162.18
0	1	93.59	0	162.8
0	1	94.17	0	163.16
0	1	94.57	0	163.41
0	1	94.57	0	163.02
0	1	94.59	0	162.22
0	1	94.74	0	161.44
0	1	95.16	0	161.25
0	1	95.52	0	161.28
0	1	95.86	0	161.26
0	1	96.05	0	160.68
0	1	96.06	0	160.04
0	1	96.95	0	159.2
0	1	98.13	0	158.67
0	1	99.83	0	158.1
0	1	100.93	0	157.58
-0.17	0	0	0	18.44
-0.17	0	0	0	18.48
-0.16	0	0	0	18.52
-0.16	0	0	0	18.57
-0.16	0	0	0	18.61
-0.16	0	0	0	18.66
-0.16	0	0	0	18.7
-0.16	0	0	0	18.74
-0.16	0	0	0	18.78
-0.16	0	0	0	18.83
-0.16	0	0	0	18.86
-0.15	0	0	0	18.88
-0.15	0	0	0	18.89
-0.15	0	0	0	18.93
-0.15	0	0	0	18.98
-0.15	0	0	0	19.03
-0.15	0	0	0	19.07
-0.15	0	0	0	19.11
-0.15	0	0	0	19.17
-0.15	0	0	0	19.23
-0.15	0	0	0	19.31
-0.15	0	0	0	19.37
-0.15	0	0	0	19.44

-0.14	0	0	0	19.34
-0.14	0	0	0	19.23
-0.13	0	0	0	19.05
-0.13	0	0	0	19.07
-0.13	0	0	0	19.11
-0.13	0	0	0	19.25
-0.13	0	0	0	19.38
-0.13	0	0	0	19.48
-0.13	0	0	0	19.55
-0.13	0	0	0	19.62
-0.13	0	0	0	19.66
-0.13	0	0	0	19.73
-0.13	0	0	0	19.78
-0.13	0	0	0	19.89
-0.13	0	0	0	20.02
-0.13	0	0	0	20.17
-0.14	0	0	0	20.31
-0.14	0	0	0	20.44
-0.14	0	0	0	20.55
-0.14	0	0	0	20.67
-0.14	0	0	0	20.76
-0.14	0	0	0	20.86
-0.14	0	0	0	20.92
-0.14	0	0	0	20.96
-0.14	0	0	0	20.94
-0.13	0	0	40	20.87
-0.13	0	0	40	20.77
-0.12	0	0	40	20.69
-0.12	0	0	40	20.62
-0.12	0	0	40	20.58
-0.11	0	0	40	20.55
-0.11	0	0	40	20.55
-0.11	0	0	40	20.59
-0.11	0	0	40	20.65
-0.11	0	0	40	20.73
-0.11	0	0	40	20.81
-0.11	0	0	40	20.89
-0.11	0	0	40	20.96
-0.11	0	0	40	21
-0.11	0	0	40	21.04
-0.11	0	0	40	21.06
-0.11	0	0	40	21.09
-0.11	0	0	40	21.11
-0.1	0	0	40	21.13

-0.1	0	0	40	21.17
-0.1	0	0	40	21.24
-0.1	0	0	40	21.36
-0.11	0	0	40	21.52
-0.11	0	0	40	21.69
0	1.91	135.44	40	107.43
0	1.89	134.27	40	105.22
0	1.86	134.63	40	103.21
0	1.84	135.93	40	101.44
0	1.82	137.29	40	99.84
0	1.8	138.76	40	98.07
0	1.78	140.82	40	96.28
0	1.75	144.48	40	94.55
0	1.73	150.03	40	93.28
0	1.71	156.75	40	92.03
-0.09	0	0	40	21.56
-0.08	0	0	40	21.51
-0.08	0	0	40	21.49
-0.08	0	0	40	21.51
-0.08	0	0	40	21.51
-0.08	0	0	40	21.5
-0.07	0	0	40	21.49
-0.07	0	0	40	21.5
-0.07	0	0	40	21.52
-0.07	0	0	40	21.54
-0.07	0	0	40	21.56
-0.07	0	0	40	21.58
-0.07	0	0	40	21.59
-0.07	0	0	40	21.61
-0.06	0	0	40	21.64
-0.06	0	0	40	21.68
-0.06	0	0	40	21.74
-0.06	0	0	40	21.81
-0.06	0	0	40	21.89
-0.06	0	0	40	21.96
-0.07	0	0	40	22.05
-0.07	0	0	40	22.16
-0.07	0	0	40	22.28
-0.07	0	0	40	22.42
-0.07	0	0	40	22.57
-0.07	0	0	40	22.72
-0.08	0	0	40	22.87
-0.08	0	0	40	23.01
-0.08	0	0	40	23.12

-0.08	0	0	40	23.21
-0.08	0	0	40	23.29
-0.08	0	0	40	23.36
-0.08	0	0	40	23.43
-0.08	0	0	40	23.48
0	1.6	170.76	40	89.21
0	1.58	170.64	40	87.41
0	1.56	171.36	40	85.91
0	1.54	173.33	40	84.54
0	1.53	176.65	40	83.76
0	1.51	178.52	40	82.22
0	1.5	178.39	40	80.82
0	1.48	176.4	40	79.2
-0.05	0	0	40	22.99
-0.04	0	0	40	22.29
-0.01	0	0	40	21.5
-0.02	0	0	40	21.78
-0.02	0	0	40	21.98
-0.03	0	0	40	22.13
-0.03	0	0	40	22.24
-0.03	0	0	40	22.33
-0.03	0	0	40	22.44
-0.03	0	0	40	22.56
-0.03	0	0	40	22.7
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-0.03	0	0	40	22.95
-0.03	0	0	40	22.98
-0.03	0	0	40	23
-0.03	0	0	40	23
-0.03	0	0	40	23
-0.03	0	0	40	23.02
-0.03	0	0	40	23.04
-0.03	0	0	40	23.08
-0.03	0	0	40	23.1
-0.02	0	0	40	23.12
-0.02	0	0	40	23.12
-0.02	0	0	40	23.15
-0.02	0	0	40	23.24
-0.02	0	0	40	23.37
-0.03	0	0	40	23.54
-0.03	0	0	40	23.71
-0.03	0	0	40	23.89
-0.03	0	0	40	24.03

-0.04	0	0	40	24.15
-0.04	0	0	40	24.23
-0.04	0	0	40	24.27
-0.03	0	0	40	24.27
-0.03	0	0	40	24.33
-0.04	0	0	40	24.44
-0.04	0	0	40	24.59
-0.04	0	0	40	24.68
-0.04	0	0	40	24.73
-0.03	0	0	40	24.63
-0.03	0	0	40	24.4
-0.04	0	0	40	25.24
-0.08	0	0	40	26.78
0	1.7	114.68	40	106.72
0	1.85	90.94	40	120.88
0	2.12	87.31	40	151.63
0	2.49	95.52	40	203.05
-0.17	0	0	40	31.9
-0.18	0	0	0	32.42
-0.19	0	0	0	33.05
-0.2	0	0	0	33.7
-0.21	0	0	0	34.33
-0.21	0	0	0	34.72
-0.23	0	0	0	35.57
-0.24	0	0	0	36.33
0	1	75.7	0	524.07
0	1	73.67	0	534.29
0	1	72.94	0	544.25
0	1	74.51	0	560.59
0	1	74.86	0	565.2
0	1	74.44	0	566.23
0	1	71.73	0	547.16
0	1	70.15	0	537.91
0	1	68.46	0	528.68
0	1	66.54	0	527.99
0	1	65.2	0	530.55
0	1	65.61	0	538.46
0	1	67.92	0	555.12
0	1	71.29	0	580.35
0	1	73.75	0	607.98
0	1	73.32	0	624.74
0	1	70.96	0	626.58
0	1	68.46	0	619.42
0	1	73.65	0	674.09

-0.27	0	0	0	40.31
-0.28	0	0	0	40.66
-0.28	0	0	0	41.01
0	1	74.62	0	796.66
0	1	71	0	783.86
0	1	70.65	0	798.28
0	1	71.11	0	814.57
0	1	69.89	0	795.53
0	1	65.71	0	738.14
0	1	60.68	0	660.32
0	1	57.38	0	599.76
0	1	56.27	0	559.32
0	1	56.47	0	531.78
0	1	57.3	0	518.08
0	1	62.3	0	542.86
0	1	69.86	0	595.88
0	1	79.51	0	670.53
-0.26	0	0	0	41.14
-0.26	0	0	0	41.35
-0.27	0	0	0	41.6
-0.27	0	0	0	41.83
0	1	77.07	0	729.55
0	1	69.77	0	680.33
0	1	64.85	0	643.97
0	1	61.86	0	619.35
0	1	61.03	0	568.24
0	1	59.9	0	513.3
0	1	57.98	0	449.84
0	1	55.49	0	420.17
0	1	53.19	0	394.97
0	1	52.56	0	370.55
0	1	52.95	0	354.9
0	1	54.64	0	347.14
0	1	64.01	0	403.54
0	1	72.86	0	459.33
0	1	70.62	0	515.89
0	1	63.5	0	535.29
0	1	56.95	0	555.31
0	1	67.8	0	698.41
0	1	78.19	0	854.77
-0.29	0	0	0	45.11
-0.29	0	0	0	45.59
-0.3	0	0	0	46.08
0	1	76.39	0	1045.68

0	1	72.13	0	1034
0	1	68.24	0	998.61
0	1	62.78	0	930.01
0	1	57.78	0	839.8
0	1	52.47	0	746.14
0	1	47.99	0	660.02
0	1	44.64	0	592.06
0	1	43.33	0	551.28
0	1	42.89	0	525.22
0	1	44.45	0	522.5
0	1	46.47	0	529.54
0	1	49.39	0	544.36
0	1	51.34	0	556.1
0	1	54.8	0	587.51
0	1	59.08	0	651.88
0	1	63.81	0	730.06
0	1	66.76	0	797.35
0	1	67.4	0	832.77
0	1	67.74	0	851.28
0	1	65.58	0	827.65
0	1	64.01	0	804.29
0	1	61.9	0	771.9
0	1	60.23	0	745.21
0	1	57.79	0	711.11
0	1	54.98	0	676.65
0	1	53.99	0	661.7
0	1	54.86	0	662.56
0	1	57.2	0	677.37
0	1	59.97	0	690.57
0	1	58.72	0	654.11
0	1	56.02	0	601.08
0	1	51.43	0	529.9
0	1	49.34	0	488.73
0	1	46.78	0	450.91
0	1	46.01	0	421.12
0	1	46.78	0	397.01
0	1	49.05	0	375.61
0	1	51.33	0	357.19
0	1	52.49	0	334.94
0	1	54.02	0	314.42
0	1	55.07	0	297.24
0	1	57.87	0	289.2
0	1	57.69	0	267.33
0	1	56.02	0	239.04

0	1	50.96	0	201.84
0	1	48.15	0	176.86
0	1	47.75	0	155.34
0	1	48.07	0	134.56
0	1	48.46	0	113.29
0	1	47.43	0	95.86
0	1	46.96	0	82.39
0	1	47.75	0	72.02
0	1	47.65	0	62.27
0	1	49.56	0	54.98
0	1	52.06	0	48.94
0	1	58.32	0	44.75
0	1	67.13	0	42.29
0	1	82.59	0	41.8
0	1	101.24	0	41.8
0	1	121.94	0	41.81
0	1	138.96	0	41.69
0	1	151.93	0	41.45
0	1	160.54	0	40.95
0	1	163.83	0	40.34
0	1	163.09	0	39.61
0	1	160.07	0	38.87
0	1	148.49	0	38.38
0	1	138.21	0	38.27
0	1	123.63	0	38.77
0	1	113.47	0	40.14
0	1	112.48	0	44.23
0	1	125.68	0	51.89
0	1	152.72	0	63.27
0	1	172.16	0	71.79
0	1	200.78	0	84.27
0	1	219.73	0	91.18
-0.04	0	0	0	34.6
0	1	235.11	0	86.21
0	1	220.8	0	75.7
0	1	201.84	0	66.32
0	1	190.81	0	58.54
0	1	193.96	0	52.38
0	1	216.68	0	47.46
0	1	236.45	0	43.91
0	1	258.02	0	41.6
0	1	274.56	0	40.16
0	1	294.28	0	39.44
0	1	310.47	0	39.07

0	1	335.74	0	40.43
0	0.91	359.04	32.38	41.77
0	0.87	377.86	36.18	43.18
0	0.86	376.73	36.85	43.31
0	0.85	384.31	37.4	43.4
0	0.84	394.46	37.9	43.47
0	0.83	403.78	38.32	43.4
0	0.83	396.44	38.67	43.42
0	0.83	387.95	38.97	43.55
0	0.82	367.78	39.25	43.78
0	0.82	352.51	39.49	44.12
0	0.82	337.49	39.64	44.31
0	0.82	333.54	39.74	44.47
0	0.82	332.16	39.84	44.51
0	0.82	334.89	39.89	44.65
0	0.82	339.4	39.95	44.79
0	0.82	343.85	39.96	44.91
0	0.82	347.26	39.9	44.88
0	0.82	354.49	39.84	44.85
0	0.82	365.11	39.79	44.71
0	0.81	369.81	39.92	44.53
0	0.81	368	39.98	44.31
0	0.81	361.71	39.94	44.29
0	0.81	357.98	39.75	44.32
0	0.81	353.5	39.59	44.25
0	0.81	348.52	39.53	44.1
0	0.81	343.5	39.43	43.93
0	0.81	342.82	39.25	43.84
0	0.82	342.05	39.03	43.75
0	0.81	338.86	38.9	43.57
0	0.81	333.27	38.86	43.3
0	0.81	332.86	38.77	43.02
0	0.81	336	38.69	42.74
0	0.81	335.58	38.6	42.46
0	0.8	323.82	38.55	42.07
0	0.8	311.81	38.45	41.79
0	0.8	298.46	38.35	41.62
0	0.8	291.36	38.17	41.42
0	0.8	283.2	38	41.23
0	0.81	278.29	37.48	40.89
0	0.81	273.22	36.72	40.7
0	0.83	267.39	35.73	40.56
0	0.83	262.64	35.4	40.56
0	0.83	257.01	35.43	40.56

0	0.82	252.85	36.17	40.59
0	0.82	248.57	36.59	40.75
0	0.81	245.32	36.95	40.89
0	0.81	242.65	36.78	40.94
0	0.81	243.12	36.57	40.85
0	0.82	246.42	36.41	40.9
0	0.82	250.66	36.3	41.09
0	0.82	253.01	36.25	41.31
0	0.82	256.59	36.25	41.54
0	0.82	261.41	36.28	41.79
0	0.83	268.99	36.3	42.27
0	0.83	276.84	36.32	42.75
0	0.84	284.94	36.33	43.23
0	0.84	293.01	36.32	43.45
0	0.84	301.63	36.37	43.71
0	0.84	320.12	36.49	43.99
0	0.84	341.71	36.63	44.4
0	0.84	360.44	36.61	44.63
0	0.84	365.2	36.55	44.72
0	0.84	363.27	36.57	44.48
0	0.83	363.99	36.78	44.32
0	0.82	364.74	36.99	44.17
0	0.82	363.16	37.13	44.22
0	0.82	360.97	37.08	43.95
0	0.82	360.26	36.87	43.62
0	0.82	361.57	36.65	43.29
0	0.82	357.01	36.51	43.23
0	0.82	350.98	36.49	43.22
0	0.82	347.05	36.47	43.2
0	0.82	364.9	36.42	42.94
0	0.81	377.48	36.53	42.63
0	0.8	382.45	36.83	42.15
0	0.79	371.86	37.04	41.99
0	0.79	336.18	37	41.85
0	0.8	280.03	37.03	42.1
0	0.81	242.79	37.53	44.1
0	0.85	252.72	38.29	49.34
0	0.93	302.78	38.79	58.91
0	1.04	354.88	38.5	71.22
0	0	0	37.2	37.76
-0.01	0	0	0	38.07
-0.01	0	0	0	38.21
-0.01	0	0	0	38.25
-0.01	0	0	0	38.3

-0.01	0	0	0	38.41
0	1	320.2	0	78.2
0	1	301.96	0	73.95
0	1	193.98	0	70.2
0	1	138.42	0	68.74
0	1	109.06	0	70.78
0	1	105.79	0	73.41
0	1.2	115.5	35.87	83.99
0	1.26	126.16	36.9	94.06
0	1.33	137.17	37.83	104.14
0	1.34	134.94	37.49	105.57
0	1	134.31	0	110.83
0	1	128.87	0	113.26
0	1	121.59	0	113.48
0	1	107.38	0	106.73
0	1	96.6	0	102.85
0	1	91.46	0	102.35
0	1	90.3	0	105.35
0	1	95.77	0	111.34
0	1	107.49	0	120.43
0	1	129.44	0	131.55
0	1	153.38	0	141.9
0	1	166.14	0	149.07
0	1	160.32	0	150.94
0	1	148.13	0	150.55
0	1	121.51	0	133.33
0	1	97.1	0	110.97
0	1	73.9	0	85.06
0	1	63.75	0	72.82
0	1	57.16	0	65.99
0	1	52.89	0	63.9
0	1	54.62	0	68.29
0	1	62.96	0	80.05
0	1	76.73	0	97.03
0	1	88.11	0	111.67
0	1	93.81	0	120.87
0	1	92.9	0	123.55
0	1	89.66	0	123.63
0	1	84.9	0	122.5
0	1	78.83	0	120.87
0	1	74.57	0	119.62
0	1	71.27	0	119.08
0	1	70.79	0	118.66
0	1	70.42	0	117.03

0	1	70.7	0	114.08
0	1	69.55	0	110.29
0	1	67.56	0	106.49
0	1	65.9	0	102.93
0	1	64.87	0	100.71
0	1	64.04	0	98.99
0	1	63.52	0	99.9
0	1	63.9	0	103.2
0	1	65.62	0	109.6
0	1	67.11	0	116.68
0	1	68.31	0	124.36
0	1	69.3	0	133.75
0	1	70.84	0	143.6
0	1	73.27	0	153.27
0	1	71.2	0	162.79
0	1	70.17	0	175.39
0	1	69.07	0	189.74
0	1	71.19	0	202.61
0	1	70.65	0	207.34
0	1	68.43	0	206.54
0	1	65.3	0	203.64
0	1	63.28	0	202.87
0	1	61.63	0	201.87
0	1	60.5	0	203.63
0	1	60.34	0	209.38
0	1	61.65	0	221.56
0	1	63.93	0	234.98
0	1	65.6	0	246.78
0	1	66.41	0	256.59
0	1	66.96	0	262.61
0	1	66.59	0	260.9
0	1	65.46	0	250.64
0	1	64	0	231.53
0	1	64.37	0	213.55
0	1	63.15	0	192.97
0	1	64.3	0	173.13
0	1	63.59	0	149.63
0	1	67.08	0	128.77
0	1	68.2	0	111.76
0	1	71.42	0	99.45
0	1	75.15	0	88.39
0	1	78.6	0	78.6
0	1	87.54	0	72
0	1	109.29	0	75.09

0	1	138.83	0	81.78
0	1	164.67	0	88.94
0	1	188.08	0	90.97
0	1	215.64	0	91.83
0	1	235.21	0	92.48
0	1.18	213.52	36.31	93.54
0	1.16	170.39	38.85	94.7
0	1.18	143.62	40	99.75
0	1.27	141.86	40	111.36
0	1.47	150.12	40	142.66
0	1.67	161.61	40	176.56
-0.1	0	0	40	51.65
-0.1	0	0	0	52.23
0	1	132.85	0	209.85
0	1	120.43	0	204.98
0	1	110.63	0	196.64
0	1	97.52	0	189.87
0	1	85.43	0	189.24
0	1	76.18	0	194.08
0	1	72.65	0	200.76
0	1	69.79	0	203.76
0	1	69.89	0	211.77
0	1	70.65	0	217.96
0	1	71.1	0	224.09
0	1	69.55	0	223.07
0	1	67.97	0	221.66
0	1	66.35	0	214.44
0	1	65.03	0	203.64
0	1	65.55	0	194.7
0	1	70.22	0	193.33
0	1	74.86	0	191.88
0	1	79.36	0	189.55
0	1	77.99	0	179.47
0	1	81.07	0	167.33
0	1	83.37	0	151.43
0	1	90.09	0	139.12
0	1	89.01	0	132.12
0	1	83.65	0	127.24
0	1	79.48	0	126.85
0	1	81.68	0	134.25
0	1	86.2	0	142.67
0	1	99.49	0	161.97
0	1	108.48	0	173.35
0	1	113.41	0	183.46

0	1	103.31	0	179.84
0	1	90.89	0	177.46
0	1	82.48	0	177.41
0	1	79.19	0	179.56
0	1	79.42	0	182.82
0	1	79.85	0	186.14
0	1	79.21	0	189.68
0	1	78	0	194.62
0	1	77.62	0	201.44
0	1	78.9	0	210.28
0	1	82.72	0	221.82
0	1	88.5	0	232.94
0	1	93.06	0	237.91
0	1	92.07	0	232.37
0	1	85.04	0	218.56
0	1	76.24	0	203.3
0	1	69.97	0	193
0	1	66.22	0	188.39
0	1	72.11	0	212.37
0	1	79.72	0	244.37
0	1	88.34	0	281.29
0	1	89.78	0	293.47
0	1	89.86	0	295.2
0	1	88.68	0	286.29
0	1	86.1	0	270.54
0	1	81.81	0	250
0	1	76.86	0	228.87
0	1	71.47	0	209.12
0	1	68.74	0	192.61
0	1	66.95	0	179.45
0	1	66.84	0	170.28
0	1	66.36	0	166.18
0	1	67.3	0	166.65
0	1	69.45	0	172.44
0	1	71.96	0	183.82
0	1	71.74	0	193.56
0	1	80.11	0	231.66
0	1	85.74	0	265.46
0	1	91.87	0	301.28
0	1	90.04	0	307.67
0	1	89.33	0	312.72
0	1	88.94	0	311.28
0	1	85.81	0	297.89
0	1	76.18	0	273.89

0	1	65.81	0	252.14
0	1	58.54	0	241.66
0	1	57.04	0	247.04
0	1	57.82	0	262.32
0	1	59.51	0	282.18
0	1	61.52	0	301.98
0	1	62.66	0	314.1
0	1	64.83	0	327.26
0	1	66.63	0	333.03
0	1	68.01	0	334.71
0	1	66.98	0	322.06
0	1	64.76	0	302.97
0	1	61.95	0	277.98
0	1	59.53	0	252.03
0	1	58.09	0	228.72
0	1	58.61	0	212.25
0	1	59.49	0	202.99
0	1	63.55	0	202.8
0	1	70.95	0	211.79
0	1	83.81	0	226.97
0	1	96.52	0	242.29
0	1	105.95	0	252.85
0	1	111.65	0	257.03
0	1	115.47	0	256.07
0	1	118.74	0	253.87
0	1	114.83	0	240.05
0	1	107.15	0	223.41
0	1.73	98.22	40	204.86
0	1.69	82.53	40	196.77
0	1.67	71.09	40	192.52
0	1.67	61.91	40	192.59
0	1.72	61.27	40	202.01
0	1.81	62.5	40	219.41
0	1.92	65.72	40	240.38
0	1.98	67.56	40	253.75
0	2.01	68.35	40	259.75
0	2.09	72.34	40	278.64
0	1	76.71	0	296.05
0	1	77.48	0	304.01
0	1	72.09	0	290.38
0	1	66.52	0	279.18
0	1	64.55	0	279.08
0	1	64.87	0	284.75
0	1	66.66	0	289

0	1	69.25	0	289.36
0	1	70.45	0	279.85
0	1	71.07	0	267.3
0	1	71.03	0	257.12
0	1	71.21	0	249.93
0	1	70.18	0	242.53
0	1	69.46	0	234.99
0	1	73.12	0	239.5
0	1	79.5	0	249.38
0	1	88.14	0	261.06
0	1	94.52	0	262.85
0	1	99.15	0	259.68
0	1	98.79	0	246.85
0	1	96.18	0	233.71
0	1	91.6	0	221.28
0	1	86.83	0	214.54
0	1	83.44	0	211.32
0	1	79.56	0	213.74
0	1	77.42	0	222.16
0	1.85	76.64	40	234.94
0	1.91	79.24	40	248.7
0	1.99	80.37	40	264.29
0	2.05	79.81	40	279.01
0	1	78.08	0	292.15
0	1	77.13	0	299.65
0	1	73.4	0	289.15
0	1	69.86	0	277.06
0	1	66.85	0	266.4
0	1	64.07	0	261.02
0	1	61.4	0	254.82
0	1	60.44	0	252.55
0	1	62.86	0	258.94
0	1	65.01	0	261.18
0	1	64.47	0	253.64
0	1	63.8	0	236.92
0	1	62.46	0	215.99
0	1	60.86	0	193.79
0	1	59.16	0	177.59
0	1	60.04	0	166.9
0	1	63.62	0	159.58
0	1	67.73	0	153.76
0	1	72.49	0	150.75
0	1	79.66	0	150.27
0	1	88.16	0	146.57

0	1	98.44	0	142.18
0	1	108.85	0	136.25
0	1	117.33	0	130.02
0	1	122.17	0	123.67
0	1	128.06	0	118.3
0	1	136.69	0	115.3
0	1	147.16	0	113.02
0	1.17	154.47	35.58	109.6
0	1.14	161.9	37.32	108.04
0	1.11	165.63	38.92	106.59
0	1.1	176.29	40	108.17
0	1.12	185.71	40	110.79
0	1.15	192.7	40	116.14
0	1.18	185.67	40	120.88
0	1.21	179.78	40	125.85
0	1.22	174.74	40	128.02
0	1.22	171.16	40	128.08
0	1.24	166.04	37.77	126.84
0	1.24	161.05	37.8	126.98
0	1.26	155.52	37.16	128.76
0	1.27	149.69	36.46	129.94
0	1	142.45	0	128.89
0	1	137.03	0	127.61
0	1	132.56	0	128.5
0	1	129.1	0	131.74
0	1	124.81	0	136.78
0	1	121.83	0	142.47
0	1	116.69	0	144.39
0	1	113.9	0	145.98
0	1	105.65	0	145.47
0	1	102.9	0	148.54
0	1	102.92	0	155.15
0	1	110.35	0	167.55
0	1	113.49	0	175.87
0	1	111.11	0	181.02
0	1	107.11	0	184.57
0	1	102.61	0	186.37
0	1	100.75	0	188.76
0	1	95.71	0	185.36
0	1	92.41	0	183.81
0	1	89.5	0	181.38
0	1	91.49	0	180.68
0	1	95.52	0	188.45
0	1	96.54	0	198.46

0	1	91.38	0	211.6
0	1	88.78	0	227.86
0	1	86.36	0	245.44
0	1	84.99	0	259.66
0	1	81.22	0	265.04
0	1	77.78	0	262.33
0	1	73.61	0	251.21
0	1	68.59	0	235.31
0	1	65.81	0	226.21
0	1	65.95	0	224.19
0	1	67.87	0	225.63
0	1	68.88	0	219.67
0	1	71.45	0	213.38
0	1	75.12	0	207.23
0	1	78.75	0	203.15
0	1	80.19	0	198.61
0	1	82.84	0	195.26
0	1	84.99	0	188.14
0	1	89.01	0	184.97
0	1	91.58	0	183.29
0	1	94.52	0	185.18
0	1	94.13	0	188.26
0	1	94.11	0	194.18
0	1	94.38	0	201.16
0	1	94.91	0	203.84
0	1	93.66	0	203.63
0	1	92.1	0	202.31
0	1	86.23	0	205.6
0	1	79.89	0	208.9
0	1	75.57	0	219.41
0	1	75.72	0	231.91
0	1	75.73	0	244.09
0	1	75.66	0	252.4
0	1	74.05	0	252.06
0	1	75.09	0	250.6
0	1	75.02	0	236.4
0	1	77.09	0	220.68
0	1	78.29	0	198.17
0	1	79.34	0	177.62
0	1	78.68	0	155.76
0	1	76.81	0	134.91
0	1	76.98	0	117.67
0	1	78.53	0	103.04
0	1	83.41	0	92.78

0	1	93.66	0	87.09
0	1	115.66	0	84.9
0	1	141.94	0	84.2
0	1	208.97	0	84.01
0	1	297.14	0	83.48
0.03	0	0	0	58.29
0.04	0	0	0	58.34
0.04	0	0	0	58.4
0.05	0	0	31.62	58.46
0.05	0	0	33.71	58.52
0.05	0	0	34.84	58.57
0.05	0	0	36.24	58.63
0.05	0	0	37.32	58.69
0.05	0	0	38.5	58.75
0.05	0	0	39	58.8
0.05	0	0	39.37	58.86
0.05	0	0	39.68	58.92
0.05	0	0	39.98	58.98
0.05	0	0	40	59.03
0.05	0	0	40	59.09
0.05	0	0	40	59.15
0.05	0	0	40	59.21
0.05	0	0	40	59.26
0.05	0	0	40	59.32
0.05	0	0	40	59.38
0.05	0	0	40	59.44
0.05	0	0	40	59.49
0.05	0	0	40	59.55
0.05	0	0	40	59.61
0.05	0	0	40	59.67
0.05	0	0	40	59.72
0.05	0	0	40	59.78
0.05	0	0	40	59.84
0.05	0	0	40	59.89
0.05	0	0	40	59.95
0.05	0	0	40	60.01
0.05	0	0	40	60.07
0	0.78	755.88	40	70.96
0	0.78	751.08	40	71.02
0	0.78	759.84	40	71.33
0.05	0	0	40	60.3
0.05	0	0	40	60.35
0.05	0	0	40	60.41
0.05	0	0	40	60.47

0.05	0	0	40	60.53
0.05	0	0	40	60.58
0.05	0	0	40	60.64
0.05	0	0	40	60.7
0	0.78	764.16	40	71.74
0	0.78	759.46	40	71.3
0	0.78	760.15	40	71.36
0	0.78	762.33	40	71.57
0	0.78	763.45	40	71.67
0.05	0	0	40	61.04
0.06	0	0	40	61.1
0.06	0	0	40	61.16
0.06	0	0	40	61.22
0.06	0	0	40	61.27
0.06	0	0	40	61.33
0.06	0	0	40	61.39
0.06	0	0	40	61.45
0.06	0	0	40	61.5
0.06	0	0	40	61.56
0.06	0	0	40	61.62
0.06	0	0	40	61.67
0.06	0	0	40	61.73
0.06	0	0	40	61.79
0.06	0	0	40	61.85
0.06	0	0	40	61.9
0.06	0	0	40	61.96
0.06	0	0	40	62.02
0.06	0	0	40	62.08
0.06	0	0	40	62.13
0.06	0	0	40	62.19
0.06	0	0	40	62.25
0.06	0	0	40	62.31
0.06	0	0	40	62.36
0.06	0	0	40	62.42
0.06	0	0	40	62.48
0.06	0	0	40	62.54
0.06	0	0	40	62.59
0.06	0	0	40	62.65
0.06	0	0	40	62.71
0.06	0	0	40	62.77
0.06	0	0	40	62.82
0.06	0	0	40	62.88
0.06	0	0	40	62.94
0.06	0	0	40	63

0.06	0	0	40	63.05
0	0.77	788.04	40	72.91
0	0.78	646.26	40	73.86
0	0.79	510.29	40	75.68
0	0.81	415.36	40	78.55
0	0.83	355.34	40	81.46
0	0.85	331.59	40	84.36
0	0.86	320.18	40	86.47
0	0.87	313.86	40	87.75
0	0.87	297.3	40	88.38
0	0.87	277.6	40	88.76
0	0.87	256.49	40	88.64
0	0.87	238.77	40	87.87
0	0.86	225.31	40	87.36
0	0.86	218.23	40	87.44
0	0.87	215.38	40	87.91
0	0.87	220.82	40	87.88
0	0.86	230	40	87.62
0	0.86	242.86	39.88	87.4
0	0.86	247.45	39.96	86.86
0	0.85	249.57	39.92	85.74
0	0.84	250.95	39.85	83.99
0	0.83	258.19	39.59	81.85
0	0.82	273.16	39.44	80.28
0	0.8	286.67	39.45	77.03
0	0.78	305.11	39.77	74.51
0	0.76	323.88	40	71.83
0	0.75	357.97	40	71.35
0	0.75	395.83	40	71.09
0	0.75	442.28	40	71.31
0	0.75	494.58	40	71.66
0	0.76	563.47	40	72.06
0	0.76	640.31	40	72.31
0	0.77	724.92	40	73.48
0.05	0	0	40	65.01
0.06	0	0	40	65.06
0.06	0	0	40	65.12
0.05	0	0	40	65.18
0.05	0	0	40	65.24
0	0.82	522.62	40	81.42
0	0.83	378.36	40	84.17
0	0.85	277.36	40	87.74
0	0.88	233.68	40	92.36
0	0.92	199.7	40	97.95

0	0.95	175	40	104.17
0	0.98	156.04	40	109.55
0	1	140	39.92	112.67
0	1.01	126.92	39.91	114.57
0	1.02	115.52	40	116.47
0	1.03	105.72	40	118.96
0	1.04	97.35	40	121.12
0	1.05	91.04	40	122.94
0	1.06	87.27	40	125.15
0	1.08	85.36	40	127.93
0	1.1	85.18	40	131.31
0	1.11	85.68	40	134.58
0	1.13	86.11	40	137.43
0	1.14	86.01	40	139.25
0	1.14	85.71	40	140.28
0	1.15	85.63	39.7	140.74
0	1.15	86.92	39.12	140.19
0	1.15	88.36	38.49	137.83
0	1.13	88.35	38.19	133.13
0	1.09	85.42	38.23	126.91
0	1.05	78.42	38.63	119.7
0	1	73.3	39.08	111.59
0	0.94	69.96	39.47	103.08
0	0.9	72.41	39.69	97.29
0	0.87	76.26	40	92.66
0	0.86	82.98	40	90.66
0	0.84	91.2	40	88.66
0	0.84	102.48	40	88.74
0	0.87	120.22	40	92.91
0	0.89	137.21	40	96.61
0	0.92	149.28	39.89	100.94
0	0.92	145.3	40	102.31
0	0.94	134.37	40	105.85
0	0.97	121.73	40	110.63
0	1	110.17	40	116.17
0	1.04	101.43	40	123.3
0	1.09	99.39	40	131.99
0	1.14	91.46	40	143.04
0	1.21	86.11	39.72	155.12
0	1.28	79.71	38.26	166.59
0	1.33	77.69	36.9	174.88
0	1	75.12	0	179.01
0	1	72.49	0	179.3
0	1	70.85	0	177.47

0	1	70.49	0	175.45
0	1.31	69.85	36.68	170.81
0	1.28	68.86	37.08	164.79
0	1.23	66.75	37.52	156.29
0	1.2	65.53	37.77	149.73
0	1.17	65.21	38.11	144.35
0	1.14	66.3	38.53	140.86
0	1.13	68.4	38.88	138.89
0	1.12	70.89	39	137.43
0	1.11	72.87	38.92	135.07
0	1.08	72.66	38.82	130.54
0	1.05	73.9	38.93	124.88
0	1.02	75.5	39.25	119.67
0	0.99	80.02	39.74	116.43
0	0.98	82.84	40	114.62
0	0.97	85.28	40	113.41
0	0.97	87.02	40	112.42
0	0.97	88.82	40	112.38
0	0.97	90.73	40	112.76
0	1.01	98.21	40	120.92
0	1.08	108.09	40	133.31
0	1.16	119.84	40	149.51
0	1.21	125.65	40	159.67
0	1.25	126.4	39.08	164.41
0	1.26	121.19	37.62	162.9
0	1.23	111.5	37.06	156.17
0	1.17	100.78	37.59	146.58
0	1.11	93.23	38.69	137.44
0	1.07	91.74	39.86	132.93
0	1.08	94.93	40	134.39
0	1.11	99.95	40	140.47
0	1.14	103.53	40	147.63
0	1.17	106.03	40	153.93
0	1.2	105.89	39.18	156.75
0	1.2	102.05	37.94	154.66
0	1.17	95.17	37.63	147.41
0	1.12	89.65	38.23	138.19
0	1.08	86.48	38.89	131.84
0	1.08	90.04	40	136.77
0	1.15	96.88	40	150.79
0	1.26	105.83	40	171.77
0	1.35	113.54	40	190.78
0	1.43	117.35	38.42	205.96
0	1	115.97	0	212.77

0	1	110.84	0	211.58
0	1	108.23	0	207.99
0	1	111.28	0	210.45
0	1	117.11	0	220.52
0	1	122.78	0	234.88
0	1	129.76	0	249.99
0	1	138.12	0	263.28
0	1	148.55	0	273.95
-0.09	0	0	0	83.76
-0.09	0	0	0	83.21
-0.08	0	0	0	82.68
0	1	168.26	0	250.44
0	1	163.13	0	240.81
0	1	152.05	0	230.15
0	1	139.92	0	217.11
0	1	128.38	0	202.35
0	1	118.07	0	186.42
0	1	109.8	0	171.72
0	1	103.34	0	159.01
0	1	98.97	0	148.93
0	1	97.65	0	143.29
0	1.16	98.57	34.59	142.03
0	1.15	101.48	36.32	143.8
0	1.15	101.5	37.5	145.35
0	1.14	100	38.14	145.79
0	1.17	101.25	37.34	150.98
0	1.21	104.71	35.75	155.92
0	1	108.2	0	158.55
0	1	108.43	0	154.16
0	1	106.7	0	148.66
0	1	104.79	0	143.5
0	1.14	101.46	34.88	138.39
0	1.11	100.59	36.24	136.1
0	1.11	99.63	37.37	138.94
0	1.14	100.84	36.8	143.03
0	1.15	99.31	35.25	142.96
0	1.13	95.6	33.64	135.91
0	1.08	88.45	33.85	125.04
0	1.01	81.04	35.03	113.79
0	0.96	76.61	35.82	106.37
0	0.94	74.72	36.33	103.19
0	0.97	77.63	35.61	107.63
0	0.99	78.91	35.49	111.71
0	1.01	80.37	35.91	116.94

0	1.02	80.45	37.24	120.67
0	1.05	84.28	37.87	128.65
0	1.1	88.86	37.75	138.37
0	1.15	93.14	37.07	147.51
0	1.18	94.35	36.4	152.76
0	1.21	95.89	35.65	158.25
0	1.24	97.37	35.36	164.46
0	1	101.5	0	174.14
0	1	108.46	0	184.68
0	1	120.7	0	195.09
0	1	138.18	0	202.56
0	1	155.95	0	206.13
0	1	167.54	0	206.74
0	1	173.62	0	206.46
0	1	175.02	0	204.31
0	1	172.95	0	197.42
0	1	162.93	0	184.21
0	1	150.53	0	165.78
0	1	137.35	0	144.82
0	1	125.47	0	124.96
0	1	114.68	0	107.97
0	0.97	109.96	30.59	97.54
0	0.92	110.44	32.55	92.71
0	0.91	120.8	34.7	95.82
0	0.92	131.54	35.71	100.4
0	0.93	143.76	36.49	105.33
0	0.94	151.02	36.14	105.51
0	0.93	155.63	36.06	103.65
0	0.92	158.63	36.36	101.87
0	0.91	160.63	36.93	101.63
0	0.92	168.01	37.19	104.12
0	0.94	179.39	36.71	107.88
0	0.98	193.26	35.39	111.09
0	1	199.04	33.53	110.49
0	0.99	203.05	31.84	104.56
0	0.94	199.44	30.91	94.7
0	0.89	197.07	30.66	83.79
0	0.83	186.52	30.73	73.34
0	0.77	178.81	30.99	64.59
0	0.73	175.45	31.27	58.01
0	0.7	178.47	31.55	53.78
0	0.68	191.61	31.73	51.75
0	0.66	212.96	31.99	49.4
0	0.64	245.75	32.18	47.48

0	0.62	281.29	32.31	45.16
0	0.62	314.44	32.07	44.06
0	0.61	331.31	31.74	43.05
0	0.62	338.35	31.33	42.35
0	0.62	338.74	31.01	41.94
0	0.61	332.4	30.86	41.38
0	0.61	320.11	30.98	40.72
0	0.6	310.56	31.26	40.14
0	0.6	305.02	31.5	40.25
0	0.6	314.91	31.6	41.13
0	0.61	330.97	31.61	42.33
0	0.62	353.6	31.65	43.3
0	0.62	362.05	31.79	43.84
0	0.62	357.68	31.95	44.04
0	0.61	344.23	32.15	44.26
0	0.61	317.78	32.27	44.32
0	0.62	290.58	32.62	45.46
0	0.63	277.53	32.98	47.58
0	0.64	269.27	33.39	50.92
0	0.67	260.38	33.67	54.91
0	0.7	239.44	34.03	60.27
0	0.73	222.87	34.45	66.86
0	0.77	220.49	34.72	73.95
0	0.81	226.39	34.74	80.85
0	0.85	233.59	34.65	87.56
0	0.87	215.52	34.83	92.8
0	0.89	201.69	35.48	97
0	0.9	175.78	36.2	101.64
0	0.94	170.07	36.4	109.33
0	0.99	164.74	36.17	118.68
0	1.03	167.06	35.82	125.81
0	1.05	165.38	35.89	130.05
0	1.04	160.25	36.29	130.27
0	1.03	158.11	36.93	129.5
0	1.01	158.64	37.4	127.77
0	1.02	166.97	37.91	130.17
0	1.02	172.13	38.5	132.79
0	1.03	176.1	39.25	135.61
0	1.02	179.22	39.67	136.3
0	1.04	187.83	39.5	138.64
0	1.07	201.16	39.14	144.23
0	1.1	210.74	38.96	149.67
0	1.11	218.58	39.27	153.6
0	1.11	219.74	39.63	154.12

0	1.11	219.91	39.79	153.93
0	1.1	217.4	39.83	152.18
0	1.07	174.87	39.94	147.99
0	1.04	144.24	40	142.67
0	1.02	123.73	40	138.54
0	1.01	125.95	40	137.17
0	1.01	131.02	40	137.53
0	1.02	136.82	40	138.41
0	1.02	142.11	40	138.92
0	1.02	146.38	40	138.91
0	1.02	152.22	40	139.28
0	1.02	158.36	39.7	138.21
0	1.02	165.45	39.4	135.96
0	0.99	169.9	40	133.26
0	0.99	174.95	40	131.98
0	1	181.94	40	133.79
0	1.02	190.54	40	137.78
0	1.04	198.02	40	143.06
0	1.07	197.62	40	148.29
0	1.1	201.17	40	155.74
0	1.14	206.43	40	164.72
0	1.18	206.25	40	173.14
0	1.2	201.17	40	178.73
0	1.23	197.81	40	184.49
0	1.26	204.32	40	192.09
0	1.29	208.22	39.93	198.16
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-0.05	0	0	40	88.2

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0	1	100.11	0	458.08
0	1	93.25	0	419.77
0	1.93	89.54	40	396.66
0	1.92	90.93	40	393.35
0	1.94	96.12	40	399.92
0	1.98	103.22	40	408.52
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0	1.89	119.75	40	382.8
0	1.83	112.37	40	365.47
0	1.79	102.4	40	354.02
0	1.85	100.38	40	372.85
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0	1	91.63	0	559.79
0	1	80.81	0	493.9
0	1	76.76	0	446.13
0	1	71.12	0	393.48
0	1	73.15	0	381.31
0	1	75.37	0	379.59
0	1.87	80.61	40	389.09
0	1.92	87.92	40	404.49
0	1.97	93.73	40	416.89
0	1.99	98.39	40	422.96
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0	1	94.25	0	380.83
0	1	89.32	0	354.32
0	1.73	87	40	347.66
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0	2.02	100	40	437.56
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0	2.01	90.83	40	436.04
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0	2.07	98.7	40	454.63
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0	1.89	96.65	40	400.22
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0	1	73.06	0	509.7

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0	0	0	0	0
0	0	0	0	0
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0.03	0	0	0	101.13
0.04	0	0	0	101.18
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0	1	230.36	0	74.12
0	1	275.79	0	86.87
0	1	360.16	0	111.97
0	1	476.52	0	147.82
0.02	0	0	0	102.79
0.02	0	0	0	102.85
0.02	0	0	0	102.91
0.02	0	0	0	102.96
0.01	0	0	0	103.02
0	0	0	0	103.95
-0.02	0	0	0	106.49
-0.03	0	0	0	108.35
-0.05	0	0	0	112.34
-0.07	0	0	0	116.63
-0.09	0	0	0	121.82
-0.11	0	0	0	125.15

-0.12	0	0	0	128.27
-0.13	0	0	0	131.04
-0.14	0	0	0	133.23
-0.15	0	0	0	134.92
-0.15	0	0	0	135.97
-0.16	0	0	0	137.21
-0.16	0	0	0	137.81
-0.16	0	0	0	138.09
-0.16	0	0	0	137.88
-0.16	0	0	0	137.64
-0.16	0	0	0	137.16
-0.15	0	0	0	136.78
-0.15	0	0	0	136.33
-0.15	0	0	0	135.98
-0.15	0	0	0	135.27
-0.14	0	0	0	134.35
-0.14	0	0	0	133.13
-0.13	0	0	0	131.86
-0.12	0	0	0	130.61
-0.12	0	0	0	130.01
-0.12	0	0	0	129.66
-0.12	0	0	0	129.61
-0.12	0	0	0	129.32
-0.12	0	0	0	129.44
-0.12	0	0	0	129.7
-0.12	0	0	0	130.19
-0.12	0	0	0	130.49
-0.12	0	0	0	130.87
-0.12	0	0	0	131.06
-0.13	0	0	0	131.55
-0.13	0	0	0	132.52
-0.13	0	0	0	133.74
-0.14	0	0	0	135.02
-0.14	0	0	0	136.03
-0.15	0	0	0	136.85
-0.15	0	0	0	138.32
-0.16	0	0	0	139.94
-0.17	0	0	0	141.85
-0.17	0	0	0	142.91
-0.17	0	0	0	143.56
-0.17	0	0	0	143.97
-0.17	0	0	0	144.13
-0.18	0	0	0	144.31
-0.17	0	0	0	144.01

-0.17	0	0	0	143.57
-0.17	0	0	0	143.02
-0.17	0	0	0	142.89
-0.17	0	0	0	142.91
-0.17	0	0	0	143
-0.17	0	0	0	143.18
-0.17	0	0	0	143.1
-0.17	0	0	0	143.68
-0.17	0	0	0	144.42
-0.18	0	0	0	145.67
-0.18	0	0	0	146.62
-0.18	0	0	0	147.49
-0.19	0	0	0	148.18
-0.19	0	0	0	148.64
-0.19	0	0	0	148.77
-0.19	0	0	0	148.68
-0.19	0	0	0	148.56
-0.19	0	0	0	148.54
-0.19	0	0	0	148.63
-0.18	0	0	0	147.46
-0.18	0	0	0	146.2
-0.17	0	0	0	145.03
-0.17	0	0	0	144.97
-0.17	0	0	0	145.09
-0.17	0	0	0	144.98
-0.17	0	0	0	144.84
-0.17	0	0	0	144.8
-0.17	0	0	0	145.49
-0.17	0	0	0	146.56
-0.18	0	0	0	147.9
-0.19	0	0	0	149.26
-0.19	0	0	0	150.26
-0.2	0	0	0	152.23
-0.2	0	0	0	153.72
-0.21	0	0	0	155.38
-0.21	0	0	0	155.93
-0.21	0	0	0	156.45
-0.21	0	0	0	156.91
-0.21	0	0	0	157.31
0	1	82.51	0	1202.22
0	1	72.19	0	1085.16
0	1	64.27	0	983.78
0	1	56.77	0	876.97
0	1	58.27	0	860.18

0	1	60.86	0	850.29
0	1	64.7	0	838.3
0	1	65.72	0	809.88
0	1	66.2	0	774.9
0	1	65.5	0	729.56
0	1	65.62	0	693.48
0	1	65.74	0	670.12
0	1	65.58	0	637.77
0	1	63.37	0	606.42
0	1	60.89	0	582.26
0	1	61.05	0	609.98
0	1	65.95	0	690.33
0	1	74.55	0	821.17
0	1	85.13	0	970.02
0	1	85.27	0	1070.68
0	1	87.99	0	1199.59
0	1	86.39	0	1279.21
-0.22	0	0	0	160.57
0	1	81.77	0	1287.19
0	1	75.79	0	1229.88
0	1	72.1	0	1190.6
0	1	70.39	0	1169.46
0	1	70.65	0	1166.5
0	1	71.81	0	1169.1
0	1	73.68	0	1166.74
0	1	75.81	0	1152.27
0	1	79.38	0	1136.06
0	1	84.66	0	1126
-0.2	0	0	0	156.45
-0.19	0	0	0	154.47
-0.19	0	0	0	152.93
-0.18	0	0	0	150.58
-0.17	0	0	0	148.97
-0.16	0	0	0	147.13
-0.16	0	0	0	146.79
-0.16	0	0	0	146.39
-0.16	0	0	0	146.05
-0.16	0	0	0	145.92
-0.15	0	0	0	145.56
-0.15	0	0	0	145.14
-0.15	0	0	0	144.58
-0.15	0	0	0	144.27
-0.15	0	0	0	144.12
-0.14	0	0	0	143.51

-0.14	0	0	0	142.69
-0.14	0	0	0	141.38
-0.13	0	0	0	140.16
-0.12	0	0	0	138.86
-0.12	0	0	0	137.98
-0.12	0	0	0	137.8
0	1	127.52	0	528.56
0	1	122.4	0	518.42
0	1	120.57	0	516.06
0	1	123.19	0	519.5
-0.12	0	0	0	138.28
-0.12	0	0	0	137.93
-0.12	0	0	0	137.47
-0.11	0	0	0	137.36
-0.11	0	0	0	137.34
-0.12	0	0	0	137.65
-0.12	0	0	0	137.96
-0.12	0	0	0	138.24
-0.12	0	0	0	138.61
-0.12	0	0	0	138.93
-0.12	0	0	0	139.39
-0.12	0	0	0	140.17
-0.13	0	0	0	140.88
-0.14	0	0	0	144.16
0	1	107.11	0	725.67
0	1	91.77	0	756.66
0	1	88.15	0	800.62
0	1	88.37	0	849.63
0	1	89.71	0	886.05
0	1	89.88	0	891.84
0	1	87.08	0	882.69
0	1	80.72	0	838.95
0	1	76.04	0	806.34
0	1	76.04	0	791.39
0	1	81.34	0	826.95
0	1	92.08	0	878.57
-0.17	0	0	0	153.92
-0.17	0	0	0	152.6
-0.17	0	0	0	151.97
-0.16	0	0	0	151.53
-0.16	0	0	0	151.14
-0.16	0	0	0	150.82
-0.16	0	0	0	150.41
-0.16	0	0	0	149.74

-0.15	0	0	0	149.33
-0.15	0	0	0	148.58
-0.15	0	0	0	148.16
-0.15	0	0	0	147.55
-0.14	0	0	0	147.28
-0.14	0	0	0	146.8
-0.14	0	0	0	146.28
-0.14	0	0	0	145.85
-0.14	0	0	0	146.03
-0.14	0	0	0	146.55
-0.14	0	0	0	147.52
-0.15	0	0	0	148.52
-0.15	0	0	0	149.2
-0.15	0	0	0	150.08
-0.16	0	0	0	150.88
-0.16	0	0	0	152.3
-0.17	0	0	0	153.84
-0.17	0	0	0	155.72
0	1	92.87	0	891.45
0	1	91.63	0	906.76
0	1	92.15	0	923.92
0	1	85.21	0	857.47
0	1	77.92	0	766.56
0	1	72.44	0	660.22
0	1	75.53	0	613.9
0	1	81.55	0	589.46
0	1	86.46	0	582.3
0	1	88.61	0	585.49
0	1	88.52	0	591.64
0	1	91.31	0	601.74
0	1	98.06	0	619.5
0	1	108.48	0	650.85
-0.14	0	0	0	148.77
-0.14	0	0	0	149.32
-0.15	0	0	0	150.1
-0.15	0	0	0	150.65
0	1	104.78	0	686.11
0	1	98.67	0	645.71
0	1	95.44	0	631
0	1	92.72	0	620.37
0	1	93.89	0	618.75
0	1	100.79	0	624.78
0	1	116.53	0	635.5
-0.12	0	0	0	144.87

-0.11	0	0	0	141.43
-0.1	0	0	0	138.94
-0.1	0	0	0	138.13
-0.1	0	0	0	138.9
-0.1	0	0	0	139.74
-0.1	0	0	0	139.69
-0.1	0	0	0	139.91
-0.1	0	0	0	140.34
-0.11	0	0	0	141.06
-0.1	0	0	0	140.51
-0.1	0	0	0	139.51
-0.09	0	0	0	138.48
-0.09	0	0	0	137.85
-0.09	0	0	0	137.58
-0.09	0	0	0	137.25
-0.09	0	0	0	136.76
-0.08	0	0	0	136.31
-0.08	0	0	0	136.24
-0.08	0	0	0	136.33
-0.08	0	0	0	136.33
-0.08	0	0	0	136.39
-0.09	0	0	0	136.81
-0.09	0	0	0	137.6
-0.09	0	0	0	138.6
-0.1	0	0	0	139.72
0	1	140	0	453.14
0	1	123.05	0	419.04
0	1	112.64	0	390.63
0	1	106.76	0	360.23
0	1	112.33	0	358.37
0	1	121.96	0	361.83
0	1	136.52	0	372.69
0	1	150.19	0	384.16
0	1	171.78	0	394.16
-0.07	0	0	0	134.56
-0.06	0	0	0	132.77
-0.06	0	0	0	132.23
-0.06	0	0	0	132.05
-0.06	0	0	0	132.31
-0.06	0	0	0	132.79
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0
0	0	0	0	0

No	In situ data										Estimations											
	Depth (m)	qc (MPa)	SBTn	Ksbt (m/s)	Cv (m ² /s)	SPT N60 (blows/30cm)	Constrained Mod. (MPa)	Dr (%)	Friction angle (°)	Es (MPa)	Go (MPa)	Nkt	Su (kPa)	Su ratio	Kocr	OCR	Vs (m/s)	State parameter	Ko	Sensitivity	Peak phi (°)	Shear strength (kPa)
1	0.01	0.05	6.2	1.48E-06	3.03E-04	0	0	2	0	0	2.17	14	10.2	110.99	0.33	60.54	33.44	0	1	77.29	0	10.2
2	0.02	0.33	7	2.73E-06	1.44E-03	1	5.16	66	43	2.58	3.23	0	0	0	0.33	0	40.87	-0.22	0	0	0	0.17
3	0.03	0.33	9.1	6.58E-05	8.02E-02	2	11.99	73	41	5.99	7.51	0	0	0	0.33	0	62.28	-0.19	0	0	0	0.24
4	0.04	2.28	11.3	1.45E-04	2.67E-01	3	18.03	76	42	9.01	11.3	0	0	0	0.33	0	76.38	-0.2	0	0	0	0.33
5	0.05	2.51	15.5	2.88E-04	6.91E-01	5	23.48	80	42	11.74	14.71	0	0	0	0.33	0	87.16	-0.22	0	0	0	0.42
6	0.06	2.76	15	2.99E-04	7.72E-01	5	25.33	80	42	12.66	15.87	0	0	0	0.33	0	90.52	-0.22	0	0	0	0.5
7	0.07	2.93	14.4	3.60E-04	9.68E-01	6	26.39	81	42	13.2	16.54	0	0	0	0.33	0	92.41	-0.22	0	0	0	0.59
8	0.08	3.14	15.4	3.66E-04	1.05E+00	6	28.24	81	43	14.12	17.7	0	0	0	0.33	0	95.6	-0.22	0	0	0	0.67
9	0.09	3.41	18.2	3.92E-04	1.21E+00	6	30.27	81	43	15.14	18.97	0	0	0	0.33	0	98.97	-0.22	0	0	0	0.76
10	0.1	3.74	17.4	4.03E-04	1.34E+00	7	32.49	81	42	16.24	20.36	0	0	0	0.33	0	102.53	-0.22	0	0	0	0.84
11	0.11	3.95	17.4	4.33E-04	1.49E+00	7	33.77	81	42	16.88	21.16	0	0	0	0.33	0	104.53	-0.22	0	0	0	0.93
12	0.12	4	18.9	4.32E-04	1.53E+00	7	34.63	80	42	17.31	21.7	0	0	0	0.33	0	105.85	-0.22	0	0	0	1.01
13	0.13	4.04	18.4	4.06E-04	1.44E+00	7	34.74	80	42	17.37	21.77	0	0	0	0.33	0	106.02	-0.21	0	0	0	1.09
14	0.14	3.85	17.3	3.79E-04	1.31E+00	7	34.35	78	42	17.18	21.53	0	0	0	0.33	0	105.42	-0.21	0	0	0	1.16
15	0.15	3.7	17.4	3.37E-04	1.17E+00	7	33.98	77	42	16.99	21.29	0	0	0	0.33	0	104.86	-0.2	0	0	0	1.23
16	0.16	3.69	17.8	3.23E-04	1.12E+00	7	34.03	76	42	17.01	21.32	0	0	0	0.33	0	104.93	-0.2	0	0	0	1.31
17	0.17	3.79	16.7	3.40E-04	1.19E+00	7	34.41	76	42	17.21	21.56	0	0	0	0.33	0	105.52	-0.2	0	0	0	1.39
18	0.18	3.93	16	3.69E-04	1.30E+00	7	34.62	76	42	17.31	21.69	0	0	0	0.33	0	105.83	-0.2	0	0	0	1.47
19	0.19	3.93	17.5	3.61E-04	1.31E+00	7	35.65	76	42	17.82	22.34	0	0	0	0.33	0	107.4	-0.2	0	0	0	1.56
20	0.2	4.09	19	3.60E-04	1.34E+00	8	36.52	76	42	18.26	22.89	0	0	0	0.33	0	108.71	-0.2	0	0	0	1.64
21	0.21	4.22	17.5	3.37E-04	1.31E+00	8	38.28	78	42	19.14	23.99	0	0	0	0.33	0	111.29	-0.21	0	0	0	1.73
22	0.22	4.37	23.5	2.88E-04	1.16E+00	8	40.38	78	42	20.19	25.31	0	0	0	0.33	0	114.31	-0.21	0	0	0	1.82
23	0.23	4.37	27	2.29E-04	9.99E-01	9	42.83	80	42	21.41	26.84	0	0	0	0.33	0	117.72	-0.22	0	0	0	1.93
24	0.24	4.49	31.6	2.05E-04	9.39E-01	9	44.98	81	43	22.49	28.19	0	0	0	0.33	0	120.64	-0.22	0	0	0	2.03
25	0.25	4.76	34.2	2.08E-04	1.00E+00	9	47.41	84	43	23.71	29.71	0	0	0	0.33	0	123.86	-0.23	0	0	0	2.14
26	0.26	5.14	37.8	2.08E-04	1.07E+00	10	50.32	86	43	25.16	31.54	0	0	0	0.33	0	127.6	-0.24	0	0	0	2.25
27	0.27	5.37	42.3	2.01E-04	1.07E+00	10	52.3	87	43	26.15	32.78	0	0	0	0.33	0	130.09	-0.24	0	0	0	2.35
28	0.28	5.26	42.3	1.55E-04	8.74E-01	11	55.43	88	44	27.71	34.73	0	0	0	0.33	0	133.92	-0.24	0	0	0	2.46
29	0.29	5.31	60.1	1.15E-04	6.78E-01	11	57.89	90	44	28.95	36.28	0	0	0	0.33	0	136.86	-0.25	0	0	0	2.57
30	0.3	5.21	64.7	8.12E-05	5.06E-01	11	61.13	91	44	30.57	38.31	0	0	0	0.33	0	140.64	-0.25	0	0	0	2.68
31	0.31	5.13	71.1	6.32E-05	4.05E-01	11	62.75	92	44	31.37	39.32	0	0	0	0.33	0	142.49	-0.26	0	0	0	2.8
32	0.32	5.01	79.7	4.81E-05	3.14E-01	11	63.93	92	45	31.96	40.06	0	0	0	0.33	0	143.82	-0.26	0	0	0	2.91
33	0.33	4.75	83.9	3.84E-05	2.52E-01	11	64.5	92	45	32.25	40.42	0	0	0	0.33	0	144.47	-0.27	0	0	0	3.01
34	0.34	4.66	84.7	3.26E-05	2.16E-01	11	65	92	45	32.5	40.73	0	0	0	0.33	0	145.02	-0.27	0	0	0	3.11
35	0.35	4.7	89.6	2.98E-05	2.00E-01	11	65.83	92	45	32.92	41.25	0	0	0	0.33	0	145.95	-0.27	0	0	0	3.21
36	0.36	4.7	92	2.58E-05	1.73E-01	11	65.85	91	45	32.92	41.27	0	0	0	0.33	0	145.97	-0.27	0	0	0	3.3
37	0.37	4.3	90.7	2.08E-05	1.37E-01	11	65.35	90	45	32.68	40.96	0	0	0	0.33	0	145.42	-0.27	0	0	0	3.39
38	0.38	4.06	96.9	1.59E-05	1.05E-01	11	64.78	89	45	32.39	40.6	0	0	0	0.33	0	144.78	-0.27	0	0	0	3.49
39	0.39	4	100.8	1.20E-05	7.95E-02	10	64.96	89	45	32.48	40.71	0	0	0	0.33	0	144.98	-0.27	0	0	0	3.6
40	0.4	3.72	107	1.02E-05	6.71E-02	10	64.75	88	45	32.37	40.58	0	0	0	0.33	0	144.74	-0.27	0	0	0	3.69
41	0.41	3.67	103.1	8.84E-06	5.79E-02	10	64.34	87	45	32.17	40.32	0	0	0	0.33	0	144.28	-0.28	0	0	0	3.8
42	0.42	3.65	106.1	8.25E-06	5.41E-02	10	64.28	87	45	32.14	40.28	0	0	0	0.33	0	144.22	-0.28	0	0	0	3.88
43	0.43	3.57	108.1	7.21E-06	4.74E-02	10	64.48	86	45	32.24	40.41	0	0	0	0.33	0	144.44	-0.28	0	0	0	3.98
44	0.44	3.44	110.5	6.29E-06	4.14E-02	10	64.56	86	45	32.28	40.46	0	0	0	0.33	0	144.53	-0.28	0	0	0	4.08
45	0.45	3.4	112.9	5.47E-06	3.59E-02	9	64.36	85	45	32.18	40.33	0	0	0	0.33	0	144.3	-0.28	0	0	0	4.18
46	0.46	3.28	112.9	4.99E-06	3.27E-02	9	64.42	84	45	32.21	40.37	0	0	0	0.33	0	144.37	-0.28	0	0	0	4.27
47	0.47	3.29	114.3	4.50E-06	2.92E-02	9	63.63	83	45	31.81	39.87	0	0	0	0.33	0	143.48	-0.28	0	0	0	4.35
48	0.48	3.1	110.2	4.20E-06	2.68E-02	9	62.61	82	45	31.31	39.24	0	0	0	0.33	0	142.33	-0.27	0	0	0	4.42

100	1	1.35	58.4	9	3.99E-07	7.55E-04	5	18.59	0	0	0	0	25.55	14	94.87	10.32	0.33	27.93	114.86	0	1	79.74	0	94.87
101	1.01	1.34	57.9	4	4.02E-07	7.63E-04	5	18.62	0	0	0	0	25.55	14	95.01	10.24	0.33	27.72	114.86	0	1	80.5	0	95.01
102	1.02	1.35	57.2	4	4.05E-07	7.69E-04	5	18.62	0	0	0	0	25.52	14	95.01	10.14	0.33	27.49	114.78	0	1	81.34	0	95.01
103	1.03	1.35	56.6	4	4.08E-07	7.75E-04	5	18.64	0	0	0	0	25.52	14	95.13	10.05	0.33	27.29	114.78	0	1	82.06	0	95.13
104	1.04	1.35	56.6	4	4.13E-07	7.87E-04	5	18.67	0	0	0	0	25.49	14	95.26	9.97	0.33	27.08	114.72	0	1	83.1	0	95.26
105	1.05	1.35	55.3	4	4.19E-07	7.99E-04	5	18.7	0	0	0	0	25.47	14	95.42	9.89	0.33	26.88	114.67	0	1	84.14	0	95.42
106	1.06	1.35	54.8	4	4.31E-07	8.23E-04	5	18.73	0	0	0	0	25.38	14	95.58	9.81	0.33	26.64	114.48	0	1	85.77	0	95.58
107	1.07	1.35	53.7	4	4.39E-07	8.39E-04	5	18.74	0	0	0	0	25.3	14	95.61	9.72	0.33	26.39	114.3	0	1	87.19	0	95.61
108	1.08	1.35	52.7	4	4.50E-07	8.60E-04	5	18.75	0	0	0	0	25.22	14	95.68	9.64	0.33	26.15	114.1	0	1	88.79	0	95.68
109	1.09	1.35	52	4	4.59E-07	8.78E-04	5	18.77	0	0	0	0	25.14	14	95.76	9.56	0.33	25.92	113.93	0	1	90.29	0	95.76
110	1.1	1.35	51.2	4	4.70E-07	9.01E-04	5	18.81	0	0	0	0	25.1	14	95.99	9.5	0.33	25.73	113.83	0	1	91.81	0	95.99
111	1.11	1.36	50.5	4	4.80E-07	9.23E-04	5	18.85	0	0	0	0	25.04	14	96.17	9.43	0.33	25.53	113.71	0	1	93.31	0	96.17
112	1.12	1.36	49.8	4	4.96E-07	9.56E-04	5	18.92	0	0	0	0	25	14	96.54	9.38	0.33	25.36	113.61	0	1	95.18	0	96.54
113	1.13	1.36	48.8	4	5.11E-07	9.90E-04	5	18.99	0	0	0	0	24.95	14	96.9	9.33	0.33	25.19	113.5	0	1	97.1	0	96.9
114	1.14	1.37	48.1	5	5.32E-07	1.03E-03	5	19.09	47	40	19.87	24.91	0	0	0	0	0.33	0	113.4	0	0	-0.17	0	8.91
115	1.15	1.37	47.3	5	5.49E-07	1.07E-03	5	19.16	46	40	19.83	24.85	0	0	0	0	0.33	0	113.28	0	0	-0.17	0	8.96
116	1.16	1.37	46.4	5	5.65E-07	1.11E-03	5	19.21	46	40	19.78	24.78	0	0	0	0	0.33	0	113.12	0	0	-0.17	0	9
117	1.17	1.37	45.7	5	5.72E-07	1.12E-03	5	19.21	46	40	19.73	24.73	0	0	0	0	0.33	0	112.99	0	0	-0.17	0	9.06
118	1.18	1.37	45.5	5	5.73E-07	1.12E-03	5	19.18	46	40	19.7	24.69	0	0	0	0	0.33	0	112.9	0	0	-0.17	0	9.12
119	1.19	1.36	45.1	5	5.67E-07	1.11E-03	5	19.11	46	40	19.66	24.64	0	0	0	0	0.33	0	112.79	0	0	-0.17	0	9.18
120	1.2	1.35	44.7	5	5.52E-07	1.07E-03	5	18.99	45	40	19.63	24.6	0	0	0	0	0.33	0	112.71	0	0	-0.17	0	9.25
121	1.21	1.34	45.1	5	5.32E-07	1.02E-03	5	18.85	45	40	19.61	24.58	0	0	0	0	0.33	0	112.65	0	0	-0.17	0	9.33
122	1.22	1.33	45.1	5	5.24E-07	9.97E-04	5	18.68	45	40	19.49	24.43	0	0	0	0	0.33	0	112.31	0	0	-0.17	0	9.38
123	1.23	1.31	42.8	5	5.28E-07	9.96E-04	5	18.53	45	40	19.31	24.2	0	0	0	0	0.33	0	111.79	0	0	-0.16	0	9.42
124	1.24	1.3	41.8	5	5.38E-07	1.00E-03	5	18.35	44	40	19.07	23.91	0	0	0	0	0.33	0	111.1	0	0	-0.16	0	9.45
125	1.25	1.29	40.9	5	5.34E-07	9.90E-04	5	18.2	44	40	18.93	23.73	0	0	0	0	0.33	0	110.69	0	0	-0.16	0	9.5
126	1.26	1.28	40.4	5	5.29E-07	9.78E-04	5	18.13	44	40	18.89	23.67	0	0	0	0	0.33	0	110.55	0	0	-0.16	0	9.55
127	1.27	1.28	40.7	5	5.29E-07	9.78E-04	5	18.16	44	40	18.92	23.72	0	0	0	0	0.33	0	110.66	0	0	-0.16	0	9.62
128	1.28	1.29	40.7	5	5.37E-07	1.00E-03	5	18.3	44	39	19.01	23.82	0	0	0	0	0.33	0	110.91	0	0	-0.16	0	9.69
129	1.29	1.3	40.4	5	5.49E-07	1.03E-03	5	18.39	44	39	19.03	23.85	0	0	0	0	0.33	0	110.98	0	0	-0.15	0	9.74
130	1.3	1.3	39.7	5	5.87E-07	1.12E-03	5	18.66	44	39	19.07	23.9	0	0	0	0	0.33	0	111.09	0	0	-0.15	0	9.78
131	1.31	1.33	38.8	5	6.25E-07	1.20E-03	5	18.89	44	39	19.09	23.93	0	0	0	0	0.33	0	111.15	0	0	-0.15	0	9.82
132	1.32	1.33	38.4	5	6.64E-07	1.30E-03	5	19.19	44	39	19.19	24.05	0	0	0	0	0.33	0	111.42	0	0	-0.15	0	9.86
133	1.33	1.35	38.7	5	6.75E-07	1.33E-03	5	19.36	44	39	19.29	24.18	0	0	0	0	0.33	0	111.73	0	0	-0.15	0	9.93
134	1.34	1.36	39	5	6.73E-07	1.34E-03	5	19.52	44	39	19.47	24.4	0	0	0	0	0.33	0	112.25	0	0	-0.15	0	10.02
135	1.35	1.37	40	5	6.56E-07	1.31E-03	5	19.65	44	39	19.69	24.68	0	0	0	0	0.33	0	112.87	0	0	-0.15	0	10.12
136	1.36	1.37	41.3	5	6.25E-07	1.26E-03	5	19.69	44	39	19.9	24.94	0	0	0	0	0.33	0	113.49	0	0	-0.15	0	10.22
137	1.37	1.37	42.2	5	5.97E-07	1.20E-03	5	19.66	44	39	20.03	25.11	0	0	0	0	0.33	0	113.86	0	0	-0.15	0	10.32
138	1.38	1.36	42.2	5	5.62E-07	1.12E-03	5	19.49	44	39	20.08	25.17	0	0	0	0	0.33	0	113.99	0	0	-0.15	0	10.42
139	1.39	1.34	42.8	5	5.36E-07	1.05E-03	5	19.23	43	39	19.99	25.05	0	0	0	0	0.33	0	113.74	0	0	-0.15	0	10.49
140	1.4	1.32	41.7	5	5.13E-07	9.87E-04	5	18.9	43	39	19.8	24.81	0	0	0	0	0.33	0	113.19	0	0	-0.15	0	10.55
141	1.41	1.29	40.3	5	4.97E-07	9.38E-04	5	18.53	42	39	19.52	24.47	0	0	0	0	0.33	0	112.4	0	0	-0.15	0	10.59
142	1.42	1.27	39.6	5	4.74E-07	8.77E-04	5	18.15	42	39	19.28	24.17	0	0	0	0	0.33	0	111.71	0	0	-0.15	0	10.64
143	1.43	1.24	39.3	5	4.55E-07	8.24E-04	5	17.78	42	39	19.04	23.86	0	0	0	0	0.33	0	110.99	0	0	-0.15	0	10.69
144	1.44	1.21	37.7	5	4.41E-07	7.83E-04	5	17.42	41	39	18.76	23.51	0	0	0	0	0.33	0	110.18	0	0	-0.15	0	10.72
145	1.45	1.19	36.4	5	4.47E-07	7.83E-04	5	17.19	41	39	18.46	23.14	0	0	0	0	0.33	0	109.3	0	0	-0.14	0	10.73
146	1.46	1.19	34.8	5	4.42E-07	7.58E-04	5	16.84	40	39	18.13	22.72	0	0	0	0	0.33	0	108.31	0	0	-0.14	0	10.75
147	1.47	1.14	33.5	5	4.48E-07	7.59E-04	5	16.62	40	39	17.84	22.36	0	0	0	0	0.33	0	107.44	0	0	-0.14	0	10.76
148	1.48	1.14	32.2	5	4.40E-07	7.29E-04	5	16.25	39	38	17.51	21.94	0	0	0	0	0.33	0	106.44	0	0	-0.13	0	10.78
149	1.49	1.11	30.9	5	4.53E-07	7.43E-04	5	16.1	39	38	17.25	21.62	0	0	0	0	0.33	0	105.65	0	0	-0.13	0	10.79
150	1.5	1.1	29.5	5	4.62E-07	7.49E-04	5	15.92	39	38	16.99	21.3	0	0	0	0	0.33	0	104.86	0	0	-0.13	0	10.8

253	4	1.68E-07	2.91E-04	5	17	0	0	0	0	27.31	14	86.72	3.73	0.33	13.39	118.74	0	0	1	108.12	0	86.72
254	4	1.90E-07	3.29E-04	5	16.97	0	0	0	0	26.67	14	86.59	3.71	0.33	13.2	117.34	0	0	1	116.56	0	86.59
255	4	2.03E-07	3.50E-04	5	16.86	0	0	0	0	26.17	14	86.04	3.67	0.33	13	116.25	0	0	1.86	122.55	40	86.04
256	4	2.24E-07	3.79E-04	5	16.61	0	0	0	0	25.34	14	84.72	3.6	0.33	12.66	114.37	0	0	1.83	132.35	40	84.72
257	4	2.48E-07	4.17E-04	5	16.39	0	0	0	0	24.52	14	83.64	3.54	0.33	12.35	112.52	0	0	1.8	143.96	40	83.64
258	5	2.71E-07	4.49E-04	4	16.25	32	37	19.1	23.94	0	0	0	0	0.33	0	111.17	-0.1	0	0	0	0	17.6
259	4	2.14E-07	3.36E-04	4	15.35	0	0	0	0	23.6	14	78.34	3.29	0.33	11.64	110.39	0	0	1.73	143.05	40	78.34
260	4	1.42E-07	2.05E-04	4	14.12	0	0	0	0	23.38	14	72.04	3.01	0.33	11.02	109.88	0	0	1.67	123.71	40	72.04
261	4	8.46E-08	1.08E-04	4	12.56	0	0	0	0	22.85	14	64.09	2.67	0.33	10.19	108.62	0	0	1.59	104.45	40	64.09
262	4	6.19E-08	7.34E-05	4	11.64	0	0	0	0	22.41	14	59.4	2.47	0.33	9.65	107.57	0	0	1.53	95.12	40	59.4
263	4	4.32E-08	5.09E-05	4	11.55	0	0	0	0	23.73	14	58.94	2.44	0.33	9.81	110.69	0	0	1.55	78.34	40	58.94
264	3	4.32E-08	5.58E-05	4	12.69	0	0	0	0	26.08	14	64.76	2.67	0.33	10.75	116.04	0	0	1.64	71.2	40	64.76
265	5	5.80E-08	8.94E-05	5	15.12	0	0	0	0	29.45	14	77.14	3.17	0.33	12.47	123.31	0	0	1.81	70.39	40	77.14
266	4	9.99E-08	1.85E-04	5	18.13	0	0	0	0	32	14	92.49	3.78	0.33	14.28	128.54	0	0	1.97	79.14	40	92.49
267	4	1.59E-07	3.43E-04	6	21.13	0	0	0	0	34.27	14	107.81	4.39	0.33	16.01	133.02	0	0	2.12	87.8	40	107.81
268	6	2.15E-07	5.12E-04	6	23.37	0	0	0	0	35.91	14	119.22	4.84	0.33	17.24	136.17	0	0	2.23	93.62	40	119.22
269	7	2.40E-07	6.04E-04	7	24.67	0	0	0	0	37.15	14	125.85	5.09	0.33	18	138.5	0	0	2.29	94.54	40	125.85
270	7	2.35E-07	6.01E-04	7	25.07	0	0	0	0	37.9	14	127.89	5.15	0.33	18.26	139.89	0	0	1	92.29	0	127.89
271	7	2.24E-07	5.73E-04	7	25.12	0	0	0	0	38.32	14	128.16	5.15	0.33	18.32	140.67	0	0	1	89.97	0	128.16
272	7	2.03E-07	5.09E-04	7	24.66	0	0	0	0	38.3	14	125.82	5.03	0.33	18.07	140.62	0	0	1	87.16	0	125.82
273	7	1.76E-07	4.25E-04	7	23.64	0	0	0	0	37.65	14	120.61	4.81	0.33	17.45	139.42	0	0	1	84.59	0	120.61
274	4	1.44E-07	3.22E-04	6	22.02	0	0	0	0	36.41	14	112.37	4.46	0.33	16.47	137.1	0	0	1	81.41	0	112.37
275	6	1.16E-07	2.37E-04	6	20.09	0	0	0	0	34.54	14	102.51	4.06	0.33	15.23	133.53	0	0	1	79.56	0	102.51
276	5	9.16E-08	1.68E-04	5	17.94	0	0	0	0	32.17	14	91.54	3.61	0.33	13.8	128.88	0	0	1	78.69	0	91.54
277	5	7.73E-08	1.27E-04	5	16.15	0	0	0	0	29.86	14	82.41	3.24	0.33	12.54	124.17	0	0	1	80.01	0	82.41
278	5	6.07E-08	8.42E-05	5	14.49	0	0	0	0	27.73	14	73.92	2.89	0.33	11.38	119.66	0	0	1	80.79	0	73.92
279	4	4.09E-08	4.86E-05	4	13.61	0	0	0	0	26.28	14	69.42	2.71	0.33	10.69	116.49	0	0	1	84.19	0	69.42
280	4	3.24E-08	3.43E-05	4	11.65	0	0	0	0	24.18	14	59.46	2.31	0.33	9.4	111.73	0	0	1	79.89	0	59.46
281	3	2.43E-08	2.28E-05	3	10.39	0	0	0	0	22.48	14	53.02	2.05	0.33	8.5	107.74	0	0	1	79.6	0	53.02
282	3	3.34E-08	3.29E-05	3	9.67	0	0	0	0	20.82	14	46.99	1.81	0.33	7.68	104.13	0	0	1	77.36	0	46.99
283	3	5.45E-08	5.86E-05	3	10.55	0	0	0	0	20.78	14	53.83	2.06	0.33	8.23	103.59	0	0	1	88.47	0	49.35
284	4	9.17E-08	1.09E-04	4	11.63	0	0	0	0	20.84	14	59.31	2.26	0.33	8.7	103.74	0	0	1	107.21	0	53.83
285	4	1.42E-07	1.84E-04	4	12.68	0	0	0	0	20.99	14	64.68	2.46	0.33	9.15	104.11	0	0	1	155.36	0	64.68
287	4	1.71E-07	2.33E-04	4	13.33	0	0	0	0	21.36	14	68.03	2.58	0.33	9.47	105	0	0	1	164.22	0	68.03
288	4	1.69E-07	2.31E-04	4	13.39	0	0	0	0	21.5	14	68.34	2.58	0.33	9.5	105.36	0	0	1	162.55	0	68.34
289	4	1.25E-07	1.65E-04	4	12.95	0	0	0	0	21.95	14	66.07	2.49	0.33	9.36	106.47	0	0	1	140.97	0	66.07
290	4	9.39E-08	1.20E-04	4	12.52	0	0	0	0	22.35	14	63.88	2.4	0.33	9.21	107.42	0	0	1	123.88	0	63.88
291	4	8.27E-08	1.07E-04	4	12.71	0	0	0	0	23.21	14	64.83	2.42	0.33	9.41	109.46	0	0	1	113.18	0	64.83
292	4	8.19E-08	1.09E-04	4	13.04	0	0	0	0	23.86	14	66.54	2.48	0.33	9.64	110.99	0	0	1	109.53	0	66.54
293	4	8.92E-08	1.26E-04	4	13.85	0	0	0	0	24.96	14	70.67	2.62	0.33	10.14	113.51	0	0	1	107.76	0	70.67
294	5	1.04E-07	1.61E-04	5	15.09	0	0	0	0	26.42	14	76.99	2.85	0.33	10.9	116.8	0	0	1	107.48	0	76.99
295	5	1.39E-07	2.39E-04	5	16.88	0	0	0	0	28.08	14	86.13	3.18	0.33	11.91	120.41	0	0	1	111.95	0	86.13
296	5	1.68E-07	3.10E-04	5	18.18	0	0	0	0	29.23	14	92.76	3.41	0.33	12.62	122.84	0	0	1	115.17	0	92.76
297	5	1.68E-07	3.10E-04	5	18.1	0	0	0	0	29.08	14	92.35	3.38	0.33	12.52	122.53	0	0	1	116.33	0	92.35
298	5	1.44E-07	2.49E-04	5	16.97	0	0	0	0	28.04	14	86.57	3.16	0.33	11.84	120.31	0	0	1	114.75	0	86.57
299	5	1.13E-07	1.76E-04	5	15.33	0	0	0	0	26.49	14	78.24	2.85	0.33	10.86	116.95	0	0	1	111.99	0	78.24
300	3	1.05	1.22E-04	4	13.88	0	0	0	0	25.15	14	70.84	2.57	0.33	9.99	113.96	0	0	1	108.02	0	70.84
301	4	8.65E-08	1.22E-04	4	13.88	0	0	0	0	23.98	14	63.29	2.29	0.33	9.13	111.28	0	0	1	100.03	0	63.29
302	4	4.17E-08	4.69E-05	4	11.04	0	0	0	0	22.82	14	56.32	2.03	0.33	8.32	108.55	0	0	1	92.5	0	56.32
303	3	2.80E-08	2.78E-05	3	9.74	0	0	0	0	21.63	14	49.67	1.78	0.33	7.52	105.69	0	0	1	85	0	49.67

304	3.04	0.67	26.7	3	2.22E-08	2.00E-05	8.85	0	0	0	20.52	14	45.17	1.62	0.33	6.93	102.93	0	1	83.1	0	45.17
305	3.05	0.65	24.6	3	2.19E-08	1.90E-05	8.51	0	0	0	19.77	14	43.44	1.55	0.33	6.65	101.04	0	1	86.75	0	43.44
306	3.06	0.68	22.3	4	2.98E-08	2.72E-05	8.93	0	0	0	19.62	14	45.57	1.62	0.33	6.81	100.65	0	1	98.81	0	45.57
307	3.07	0.75	20.9	4	4.47E-08	4.44E-05	9.74	0	0	0	19.89	14	49.71	1.76	0.33	7.2	101.34	0	1	114	0	49.71
308	3.08	0.81	20.9	4	6.60E-08	7.07E-05	10.5	0	0	0	19.98	14	53.59	1.89	0.33	7.53	101.57	0	1	132.39	0	53.59
309	3.09	0.84	17.7	4	9.25E-08	1.04E-04	11.04	0	0	0	19.76	14	56.31	1.98	0.33	7.71	101	0	1	154.14	0	56.31
310	3.1	0.86	15.1	4	1.19E-07	1.35E-04	11.16	0	0	0	19.09	14	56.95	2	0.33	7.64	99.27	0	1	179.64	0	56.95
311	3.11	0.84	13.8	4	1.38E-07	1.55E-04	11.19	0	0	0	18.68	14	57.09	2	0.33	7.57	98.2	0	1	196.54	0	57.09
312	3.12	0.84	13.8	4	1.27E-07	1.42E-04	10.92	0	0	0	18.46	14	55.73	1.94	0.33	7.4	97.62	0	1	195.07	0	55.73
313	3.13	0.8	14.4	4	1.07E-07	1.16E-04	10.63	0	0	0	18.54	14	54.24	1.89	0.33	7.27	97.85	0	1	180.78	0	54.24
314	3.14	0.77	15.9	4	8.36E-08	8.75E-05	10.27	0	0	0	18.72	14	52.39	1.82	0.33	7.12	98.32	0	1	162.14	0	52.39
315	3.15	0.76	17.2	4	6.84E-08	7.02E-05	10.07	0	0	0	19.04	14	51.4	1.78	0.33	7.07	99.16	0	1	146.7	0	51.4
316	3.16	0.76	18.4	4	5.64E-08	5.70E-05	9.91	0	0	0	19.39	14	50.55	1.74	0.33	7.02	100.07	0	1	133.17	0	50.55
317	3.17	0.73	20.2	4	4.93E-08	4.94E-05	9.83	0	0	0	19.73	14	50.17	1.72	0.33	7.02	100.92	0	1.28	123.96	37.6	50.17
318	3.18	0.74	20.9	4	5.22E-08	5.38E-05	10.11	0	0	0	20.07	14	51.58	1.77	0.33	7.16	101.79	0	1.29	124.51	38.56	51.58
319	3.19	0.81	19.8	4	7.08E-08	7.90E-05	10.95	0	0	0	20.58	14	55.88	1.91	0.33	7.58	103.07	0	1.32	136.23	39.37	55.88
320	3.2	0.91	19.6	4	1.04E-07	1.28E-04	12	0	0	0	21.02	14	61.23	2.08	0.33	8.07	104.17	0	1.37	154.91	39.92	61.23
321	3.21	0.96	18.7	4	1.48E-07	1.95E-04	12.88	0	0	0	21.16	14	65.71	2.23	0.33	8.44	104.53	0	1	177.24	0	65.71
322	3.22	1.01	16.2	4	1.81E-07	2.45E-04	13.25	0	0	0	21	14	67.62	2.29	0.33	8.54	104.13	0	1	194.91	0	67.62
323	3.23	1	16.1	4	1.93E-07	2.59E-04	13.19	0	0	0	20.68	14	67.3	2.27	0.33	8.45	103.33	0	1	204.83	0	67.3
324	3.24	0.96	16	4	1.71E-07	2.22E-04	12.76	0	0	0	20.44	14	65.11	2.19	0.33	8.22	102.73	0	1	198.99	0	65.11
325	3.25	0.92	16	4	1.34E-07	1.64E-04	11.96	0	0	0	20.01	14	61.01	2.04	0.33	7.8	101.64	0	1	186.44	0	61.01
326	3.26	0.84	16.1	4	9.09E-08	1.02E-04	10.98	0	0	0	19.72	14	56.03	1.87	0.33	7.34	100.91	0	1	163.1	0	56.03
327	3.27	0.75	18.4	4	5.60E-08	5.73E-05	10.03	0	0	0	19.67	14	51.19	1.7	0.33	6.91	100.76	0	1	135.58	0	51.19
328	3.28	0.71	21	4	4.08E-08	4.02E-05	9.72	0	0	0	20.2	14	49.6	1.65	0.33	6.82	102.12	0	1	115.92	0	49.6
329	3.29	0.75	23.5	4	3.54E-08	3.56E-05	9.87	0	0	0	21.01	14	50.34	1.66	0.33	6.96	104.15	0	1.26	105.11	38.68	50.34
330	3.3	0.76	25.9	4	4.28E-08	4.72E-05	10.83	0	0	0	22.29	14	55.26	1.82	0.33	7.53	107.28	0	1.31	105.37	40	55.26
331	3.31	0.9	27.7	4	5.57E-08	6.97E-05	12.28	0	0	0	24.1	14	62.67	2.06	0.33	8.37	111.56	0	1.4	106.26	40	62.67
332	3.32	1.05	33.1	4	6.45E-08	8.98E-05	13.65	0	0	0	26.08	14	69.64	2.28	0.33	9.19	116.03	0	1.49	102.68	40	69.64
333	3.33	1.05	38.9	4	9.90E-08	1.66E-04	16.41	0	0	0	29.02	14	83.74	2.74	0.33	10.71	122.41	0	1.64	106.67	40	83.74
334	3.34	1.49	43.4	4	1.45E-07	2.84E-04	19.24	0	0	0	31.77	14	98.19	3.2	0.33	12.22	128.08	0	1.79	110.94	40	98.19
335	3.35	1.66	47.8	4	2.17E-07	4.97E-04	22.44	0	0	0	34.41	14	114.48	3.72	0.33	13.85	133.29	0	1	118.1	0	114.48
336	3.36	1.74	51.3	4	2.88E-07	5.50E-04	23.69	0	0	0	36.02	14	120.84	3.91	0.33	14.54	136.37	0	1	114.61	0	120.84
337	3.37	1.78	55.9	4	2.09E-07	5.15E-04	24.11	0	0	0	37.22	14	123	3.97	0.33	14.84	138.63	0	1	107.69	0	123
338	3.38	1.77	60.7	4	1.76E-07	4.30E-04	23.92	0	0	0	38.1	14	122.04	3.93	0.33	14.86	140.26	0	1	99.12	0	122.04
339	3.39	1.73	64.4	4	1.61E-07	3.87E-04	23.58	0	0	0	38.18	14	120.3	3.86	0.33	14.7	140.4	0	1	96.06	0	120.3
340	3.4	1.72	59	4	1.53E-07	3.62E-04	23.19	0	0	0	37.89	14	118.29	3.79	0.33	14.46	139.87	0	1	95.34	0	118.29
341	3.41	1.7	59	4	1.52E-07	3.52E-04	22.81	0	0	0	37.35	14	116.39	3.71	0.33	14.2	138.86	0	1	96.67	0	116.39
342	3.42	1.65	59	4	1.29E-07	2.88E-04	21.89	0	0	0	36.89	14	111.69	3.55	0.33	13.74	138.01	0	1	92.76	0	111.69
343	3.43	1.53	59	4	1.05E-07	2.19E-04	20.43	0	0	0	35.75	14	104.26	3.31	0.33	12.96	135.86	0	1	89.31	0	104.26
344	3.44	1.4	53.6	4	8.11E-08	1.53E-04	18.49	0	0	0	33.9	14	94.36	2.98	0.33	11.9	132.3	0	1	86.42	0	94.36
345	3.45	1.24	47.9	4	6.28E-08	1.05E-04	16.39	0	0	0	31.47	14	83.63	2.64	0.33	10.69	127.47	0	1	85.61	0	83.63
346	3.46	1.08	42.1	3	2.92E-08	3.78E-05	12.67	0	0	0	27.93	14	64.64	2.03	0.33	8.65	120.09	0	1	74.29	0	64.64
347	3.47	0.6	37.9	3	1.19E-08	1.14E-05	9.44	0	0	0	24.51	14	48.18	1.51	0.33	6.81	112.5	0	1	62.13	0	48.18
348	3.48	0.55	34	3	4.07E-09	2.89E-06	6.76	0	0	0	21.96	14	35.57	1.11	0.33	5.14	106.48	0	1	50.22	0	35.57
349	3.49	0.55	32.2	3	4.08E-09	2.81E-06	6.76	0	0	0	21.27	14	34.47	1.07	0.33	4.96	104.8	0	1	52.23	0	34.47
350	3.5	0.55	30.8	3	4.51E-09	3.10E-06	6.75	0	0	0	20.88	14	34.45	1.07	0.33	4.95	103.83	0	1	55.11	0	34.45
351	3.51	0.55	28.9	3	4.60E-09	3.08E-06	6.56	0	0	0	20.22	14	33.49	1.04	0.33	4.8	102.17	0	1	57.71	0	33.49
352	3.52	0.51	25.6	3	4.60E-09	2.92E-06	6.23	0	0	0	19.36	14	32.06	0.99	0.33	4.58	99.98	0	1	60.9	0	32.06
353	3.53	0.49	22.9	3	5.22E-09	3.10E-06	5.83	0	0	0	18.32	14	31.05	0.96	0.33	4.42	97.27	0	1	67.73	0	31.05
354	3.54	0.5	18.9	3	7.44E-09	4.65E-06	6.13	0	0	0	17.66	14	31.9	0.98	0.33	4.53	95.48	0	1	79.08	0	31.9

355	3	1.14E-08	779E-06	3	6.71	0	0	0	0	17.54	14	34.22	1.05	0.33	4.75	95.16	0	1	93.51	0	34.22
356	3	1.88E-08	1.46E-05	3	7.6	0	0	0	0	18.13	14	38.76	1.18	0.33	5.2	96.76	0	1	108.93	0	38.76
357	4	3.01E-08	2.68E-05	3	8.68	0	0	0	0	19.04	14	44.28	1.35	0.33	5.75	99.15	0	1	123.05	0	44.28
358	4	4.88E-08	4.95E-05	3	9.96	0	0	0	0	20.02	14	50.83	1.55	0.33	6.39	101.67	0	1	139.41	0	50.83
359	4	6.44E-08	7.12E-05	4	10.83	0	0	0	0	20.7	14	55.27	1.68	0.33	6.81	103.39	0	1	149.09	0	55.27
360	4	6.58E-08	7.34E-05	4	10.93	0	0	0	0	20.8	14	55.76	1.69	0.33	6.85	103.64	0	1	149.85	0	55.76
361	4	4.74E-08	4.85E-05	3	10.03	0	0	0	0	20.26	14	51.18	1.54	0.33	6.4	102.28	0	1	137.03	0	51.18
362	3	2.68E-08	2.37E-05	3	8.69	0	0	0	0	19.45	14	44.32	1.33	0.33	5.72	100.22	0	1	116.34	0	44.32
363	3	1.37E-08	1.03E-05	3	7.38	0	0	0	0	18.68	14	37.66	1.13	0.33	5.06	98.2	0	1	94.97	0	37.66
364	3	8.58E-09	5.82E-06	3	6.67	0	0	0	0	18.36	14	34.03	1.02	0.33	4.68	97.37	0	1	81.74	0	34.03
365	3	4.76E-09	2.55E-06	3	5.25	0	0	0	0	17.99	14	29.98	0.89	0.33	4.13	96.38	0	1	70.17	0	29.98
366	3	3.40E-09	1.55E-06	3	4.46	0	0	0	0	17.65	14	27.68	0.82	0.33	3.8	95.46	0	1	65.2	0	27.68
367	2	2.35E-09	8.80E-07	2	3.67	0	0	0	0	17.14	14	25.13	0.75	0.33	3.44	94.06	0	1	60.77	0	25.13
368	2	2.36E-09	8.56E-07	2	3.56	0	0	0	0	16.87	14	24.77	0.73	0.33	3.38	93.34	0	1	62.24	0	24.77
369	2	2.38E-09	8.35E-07	2	3.47	0	0	0	0	16.7	14	24.52	0.72	0.33	3.34	92.87	0	1	63.22	0	24.52
370	2	2.28E-09	7.81E-07	2	3.36	0	0	0	0	16.55	14	24.15	0.71	0.33	3.28	92.45	0	1	63.5	0	24.15
371	2	2.13E-09	7.06E-07	2	3.11	0	0	0	0	16.51	14	23.78	0.7	0.33	3.22	92.32	0	1	62.65	0	23.78
372	2	1.99E-09	6.30E-07	2	2.81	0	0	0	0	16.38	14	23.3	0.68	0.33	3.15	91.96	0	1	62.16	0	23.3
373	2	1.89E-09	5.74E-07	2	2.98	0	0	0	0	16.18	14	22.82	0.67	0.33	3.07	91.39	0	1	62.45	0	22.82
374	2	1.83E-09	5.24E-07	2	2.81	0	0	0	0	15.85	14	22.21	0.65	0.33	2.99	90.46	0	1	63.64	0	22.21
375	2	1.72E-09	4.59E-07	2	2.62	0	0	0	0	15.49	14	21.47	0.62	0.33	2.88	89.44	0	1	64.54	0	21.47
376	2	1.62E-09	4.06E-07	2	2.46	0	0	0	0	15.2	14	20.84	0.6	0.33	2.79	88.59	0	1	65.17	0	20.84
377	2	1.51E-09	3.60E-07	2	2.34	0	0	0	0	15	14	20.32	0.59	0.33	2.71	88.01	0	1	65.22	0	20.32
378	2	1.38E-09	3.02E-07	2	2.19	0	0	0	0	14.82	14	19.68	0.57	0.33	2.62	87.48	0	1	64.29	0	19.68
379	2	1.22E-09	2.58E-07	2	2.07	0	0	0	0	14.71	14	19.17	0.55	0.33	2.54	87.14	0	1	63.18	0	19.17
380	2	1.04E-09	2.08E-07	2	1.9	0	0	0	0	14.55	14	18.42	0.53	0.33	2.44	86.66	0	1	61.26	0	18.42
381	2	9.63E-10	1.77E-07	2	1.8	0	0	0	0	14.42	14	17.93	0.51	0.33	2.37	86.28	0	1	60.3	0	17.93
382	2	9.28E-10	1.60E-07	2	1.7	0	0	0	0	14.23	14	17.43	0.5	0.33	2.29	85.72	0	1	60.02	0	17.43
383	2	9.05E-10	1.49E-07	2	1.62	0	0	0	0	14.07	14	17.06	0.48	0.33	2.24	85.22	0	1	60.13	0	17.06
384	2	8.69E-10	1.35E-07	2	1.52	0	0	0	0	13.87	14	16.55	0.47	0.33	2.17	84.64	0	1	59.79	0	16.55
385	2	8.02E-10	1.13E-07	2	1.38	0	0	0	0	13.67	14	15.79	0.45	0.33	2.06	84.02	0	1	57.9	0	15.79
386	2	7.21E-10	9.01E-08	2	1.23	0	0	0	0	13.46	14	14.9	0.42	0.33	1.94	83.37	0	1	55.17	0	14.9
387	2	6.39E-10	7.04E-08	2	1.08	0	0	0	0	13.27	14	14	0.39	0.33	1.82	82.79	0	1	51.98	0	14
388	2	5.81E-10	5.70E-08	2	0.96	0	0	0	0	13.03	14	13.23	0.37	0.33	1.71	82.02	0	1	50.12	0	13.23
389	2	5.30E-10	4.60E-08	2	0.85	0	0	0	0	12.73	14	12.46	0.35	0.33	1.61	81.08	0	1	48.71	0	12.46
390	2	4.84E-10	3.69E-08	2	0.75	0	0	0	0	12.38	14	11.68	0.33	0.33	1.51	79.96	0	1	47.71	0	11.68
391	2	4.46E-10	3.02E-08	2	0.66	0	0	0	0	12.09	14	11.03	0.31	0.33	1.42	79	0	1	46.73	0	11.03
392	2	4.07E-10	2.43E-08	2	0.59	0	0	0	0	11.79	14	10.37	0.29	0.33	1.33	78.03	0	1	45.52	0	10.37
393	2	3.70E-10	1.93E-08	2	0.51	0	0	0	0	11.48	14	9.72	0.27	0.33	1.24	77	0	1	44.39	0	9.72
394	2	3.34E-10	1.52E-08	2	0.45	0	0	0	0	11.16	14	9.08	0.25	0.33	1.16	75.92	0	1	43.19	0	9.08
395	2	3.19E-10	1.33E-08	2	0.41	0	0	0	0	10.89	14	8.69	0.24	0.33	1.11	74.97	0	1	43.44	0	8.69
396	2	2.97E-10	1.09E-08	1	0.36	0	0	0	0	10.56	14	8.18	0.22	0.33	1.04	73.83	0	1	43.26	0	8.18
397	2	2.75E-10	8.89E-09	1	0.32	0	0	0	0	10.22	14	7.68	0.21	0.33	0.97	72.64	0	1	43.11	0	7.68
398	2	2.53E-10	7.14E-09	1	0.28	0	0	0	0	9.9	14	7.19	0.2	0.33	0.91	71.5	0	1	42.65	0	7.19
399	2	2.53E-10	6.91E-09	1	0.27	0	0	0	0	9.74	14	7.08	0.19	0.33	0.89	70.9	0	1	43.91	0	7.08
400	4	2.51E-10	6.63E-09	1	0.26	0	0	0	0	9.61	14	6.97	0.19	0.33	0.88	70.42	0	1	44.72	0	6.97
401	2	2.40E-10	5.89E-09	1	0.24	0	0	0	0	9.46	14	6.73	0.18	0.33	0.84	69.89	0	1	44.36	0	6.73
402	2	2.27E-10	5.18E-09	1	0.22	0	0	0	0	9.32	14	6.49	0.18	0.33	0.81	69.38	0	0.61	43.77	20	6.49
403	2	2.14E-10	4.51E-09	1	0.21	0	0	0	0	9.2	14	6.25	0.17	0.33	0.78	68.92	0	0.6	42.95	20	6.25
404	2	2.02E-10	3.92E-09	1	0.19	0	0	0	0	9.06	14	6.01	0.16	0.33	0.75	68.38	0	0.6	42.27	20	6.01
405	2	1.96E-10	3.65E-09	1	0.18	0	0	0	0	8.99	14	5.89	0.16	0.33	0.73	68.11	0	0.59	42.05	20	5.89

457	4.57	2.2	63.9	4	2.52E-07	774E-04	8	30.11	0	0	0	0	0	44.94	14	153.6	3.66	0.33	14.38	152.33	0	1	121.85	0	153.6
458	4.58	2.13	62.3	4	2.42E-07	733E-04	8	29.7	0	0	0	0	0	44.67	14	151.53	3.6	0.33	14.19	151.86	0	1.96	121.19	0	151.53
459	4.59	2.13	57.6	4	2.58E-07	782E-04	8	29.72	0	0	0	0	0	44.19	14	151.65	3.6	0.33	14.13	151.05	0	1.96	125.59	0	151.65
460	4.6	2.18	57.6	4	2.90E-07	896E-04	8	30.28	0	0	0	0	0	44.07	14	154.5	3.65	0.33	14.29	150.84	0	1.97	131.43	0	154.5
461	4.61	2.27	57.6	4	2.91E-07	920E-04	8	31	0	0	0	0	0	45.09	14	158.15	3.73	0.33	14.6	152.58	0	1	128.51	0	158.15
462	4.62	2.33	65.7	4	2.83E-07	910E-04	9	31.54	0	0	0	0	0	46.11	14	160.9	3.79	0.33	14.85	154.29	0	1	124.42	0	160.9
463	4.63	2.35	66.8	4	2.68E-07	868E-04	9	31.81	0	0	0	0	0	46.97	14	162.28	3.81	0.33	14.99	155.74	0	1	119.88	0	162.28
464	4.64	2.35	66.5	4	1.79E-07	526E-04	8	28.78	0	0	0	0	0	45.7	14	146.85	3.44	0.33	13.8	153.61	0	1	107.99	0	146.85
465	4.65	1.69	66.6	4	1.19E-07	313E-04	8	25.76	0	0	0	0	0	44.04	14	131.42	3.08	0.33	12.57	150.79	0	1	98.02	0	131.42
466	4.66	1.68	64	4	8.07E-08	190E-04	7	23.14	0	0	0	0	0	42.45	14	118.05	2.76	0.33	11.48	148.04	0	1	89.54	0	118.05
467	4.67	1.75	63.2	4	9.02E-08	217E-04	7	23.59	0	0	0	0	0	42.42	14	120.35	2.8	0.33	11.62	147.99	0	1.73	93.21	0	120.35
468	4.68	1.75	62.6	4	9.48E-08	232E-04	7	23.99	0	0	0	0	0	42.75	14	122.39	2.85	0.33	11.77	148.57	0	1.74	94.2	0	122.39
469	4.69	1.75	65.2	4	1.25E-07	331E-04	8	26.05	0	0	0	0	0	44.17	14	132.92	3.08	0.33	12.59	151.02	0	1.82	100	0	132.92
470	4.7	2.2	67.6	4	1.54E-07	439E-04	8	27.94	0	0	0	0	0	45.6	14	142.56	3.3	0.33	13.35	153.44	0	1.89	104	0	142.56
471	4.71	2.15	68.7	4	1.92E-07	587E-04	8	30.01	0	0	0	0	0	47.08	14	153.12	3.54	0.33	14.17	155.91	0	1.96	108.42	0	153.12
472	4.72	2.18	71.3	4	2.04E-07	635E-04	9	30.53	0	0	0	0	0	47.37	14	155.79	3.59	0.33	14.35	156.39	0	1.98	110.15	0	155.79
473	4.73	2.29	67.9	4	2.44E-07	789E-04	9	31.77	0	0	0	0	0	47.72	14	162.08	3.73	0.33	14.78	162.08	0	2.02	116.28	0	162.08
474	4.74	2.41	65.7	5	3.13E-07	106E-03	9	33.24	36	38	38.08	47.75	0	0	0	0	0	0	0	156.98	-0.12	0	0	0	33.93
475	4.75	2.51	63.1	5	3.81E-07	133E-03	8	34.28	37	38	37.9	47.5	0	0	0	0	0	0	156.6	-0.12	0	0	0	0	33.74
476	4.76	2.53	59.6	5	4.26E-07	151E-03	9	34.77	37	38	37.67	47.22	0	0	0	0	0	0	156.14	-0.12	0	0	0	0	33.64
477	4.77	2.53	59.7	5	4.20E-07	147E-03	9	34.38	37	37	37.33	46.79	0	0	0	0	0	0	155.43	-0.11	0	0	0	0	33.63
478	4.78	2.44	59.7	5	3.80E-07	129E-03	9	33.32	36	37	36.85	46.19	0	0	0	0	0	0	154.43	-0.11	0	0	0	0	33.68
479	4.79	2.33	57.3	5	3.08E-07	991E-04	8	31.52	35	38	36.2	45.37	0	0	0	0	0	0	153.05	-0.12	0	0	0	0	33.8
480	4.8	2.17	58.6	4	2.28E-07	688E-04	8	29.35	0	0	0	0	0	44.62	14	149.76	3.39	0.33	13.54	151.78	0	1	123.96	0	149.76
481	4.81	1.98	61.7	4	1.70E-07	481E-04	8	27.72	0	0	0	0	0	44.43	14	141.42	3.2	0.33	12.94	151.46	0	1	112.92	0	141.42
482	4.82	1.96	63.8	4	1.46E-07	406E-04	8	27.19	0	0	0	0	0	44.78	14	138.73	3.13	0.33	12.75	152.06	0	1	106.6	0	138.73
483	4.83	2.02	65.8	4	1.46E-07	411E-04	8	27.53	0	0	0	0	0	45.35	14	140.44	3.16	0.33	12.89	153.01	0	1.85	105.33	0	140.44
484	4.84	2.02	66.4	4	1.66E-07	482E-04	8	28.48	0	0	0	0	0	45.87	14	145.33	3.27	0.33	13.24	153.9	0	1.88	108.72	0	145.33
485	4.85	2.14	64.3	4	1.84E-07	545E-04	8	29.08	0	0	0	0	0	45.97	14	148.38	3.33	0.33	13.43	154.05	0	1.9	112.55	0	148.38
486	4.86	2.14	63.1	4	2.56E-07	813E-04	9	31.12	0	0	0	0	0	46.33	14	158.79	3.56	0.33	14.14	154.67	0	1.96	125.02	0	158.79
487	4.87	2.44	59.3	5	3.42E-07	115E-03	9	32.85	36	38	37.03	46.41	0	0	0	0	0	0	154.8	-0.11	0	0	0	0	34.34
488	4.88	2.51	56.2	5	4.59E-07	162E-03	9	34.55	36	37	36.93	46.28	0	0	0	0	0	0	154.58	-0.11	0	0	0	0	34.08
489	4.89	2.52	53.5	5	4.89E-07	171E-03	9	34.28	36	37	36.22	45.39	0	0	0	0	0	0	153.09	-0.1	0	0	0	0	33.91
490	4.9	2.41	50.4	5	4.97E-07	170E-03	9	33.61	36	37	35.42	44.39	0	0	0	0	0	0	151.39	-0.1	0	0	0	0	33.76
491	4.91	2.38	48	5	5.20E-07	177E-03	9	33.42	36	37	34.92	43.77	0	0	0	0	0	0	150.33	-0.1	0	0	0	0	33.66
492	4.92	2.48	47.5	5	5.62E-07	193E-03	9	33.72	36	37	34.74	43.55	0	0	0	0	0	0	149.94	-0.1	0	0	0	0	33.59
493	4.93	2.47	46.6	5	6.02E-07	210E-03	9	34.2	36	37	34.8	43.62	0	0	0	0	0	0	150.06	-0.1	0	0	0	0	33.6
494	4.94	2.47	46.6	5	6.63E-07	230E-03	9	33.98	36	36	33.98	42.59	0	0	0	0	0	0	148.28	-0.09	0	0	0	0	33.37
495	4.95	2.41	37.8	5	7.31E-07	253E-03	8	33.97	35	36	33.38	41.83	0	0	0	0	0	0	146.97	-0.09	0	0	0	0	33.18
496	4.96	2.44	39.1	5	7.97E-07	277E-03	8	34.1	35	36	32.99	41.34	0	0	0	0	0	0	146.1	-0.08	0	0	0	0	33.07
497	4.97	2.46	41.3	5	8.08E-07	286E-03	9	34.78	36	36	33.56	42.06	0	0	0	0	0	0	147.37	-0.08	0	0	0	0	33.25
498	4.98	2.53	42	5	8.11E-07	295E-03	9	35.66	36	36	34.39	43.1	0	0	0	0	0	0	149.17	-0.09	0	0	0	0	33.51
499	4.99	2.6	45.7	5	7.23E-07	274E-03	9	37.22	37	37	36.64	45.92	0	0	0	0	0	0	153.99	-0.1	0	0	0	0	34.2
500	5	2.77	63.5	5	5.49E-07	220E-03	10	39.29	38	38	40.65	50.95	0	0	0	0	0	0	162.19	-0.12	0	0	0	0	35.42
501	5.01	2.94	88.1	5	3.86E-07	161E-03	11	40.95	39	39	45.16	56.6	0	0	0	0	0	0	170.96	-0.14	0	0	0	0	36.78
502	5.02	2.94	106.8	5	6.06E-07	317E-03	13	51.23	44	39	52.07	65.26	0	0	0	0	0	0	183.56	-0.15	0	0	0	0	37.67
503	5.03	4.9	126.2	5	1.19E-06	818E-03	16	67.44	49	40	60.67	76.04	0	0	0	0	0	0	198.14	-0.16	0	0	0	0	38.54
504	5.04	6.35	159.9	5	2.64E-06	383E-02	20	142.05	56	40	71.02	89.02	0	0	0	0	0	0	214.38	-0.18	0	0	0	0	39.55
505	5.05	9.78	188.8	5	4.55E-06	745E-02	23	160.75	62	41	80.37	100.74	0	0	0	0	0	0	228.06	-0.19	0	0	0	0	40.59
506	5.06	9.85	207	5	7.31E-06	130E-01	26	173.95	67	42	86.98	109.01	0	0	0	0	0	0	237.24	-0.2	0	0	0	0	41.36
507	5.07	10.83	207	5	7.02E-06	140E-01	29	195.92	70	42	97.96	122.78	0	0	0	0	0	0	251.78	-0.22	0	0	0	0	42.64

508	5.08	11.41	336	5	5.75E-06	1.28E-01	32	218.84	73	43	109.42	137.14	0	0	0	0.33	0	266.1	-0.23	0	0	0	43.89
509	5.09	12.27	389.6	8	4.46E-06	1.11E-01	35	243.71	76	44	121.85	152.72	0	0	0	0.33	0	280.81	-0.25	0	0	0	45.18
510	5.11	13	429	8	4.42E-06	1.16E-01	37	258.16	78	44	129.08	161.78	0	0	0	0.33	0	289.02	-0.26	0	0	0	45.89
511	5.11	13.6	452.9	8	4.30E-06	1.17E-01	38	268.18	79	45	134.09	168.06	0	0	0	0.33	0	294.57	-0.26	0	0	0	46.4
512	5.12	13.67	475.4	8	4.12E-06	1.16E-01	39	275.42	80	45	137.71	172.6	0	0	0	0.33	0	298.52	-0.27	0	0	0	46.79
513	5.13	13.78	495.8	8	4.02E-06	1.15E-01	40	282.04	81	45	141.02	176.75	0	0	0	0.33	0	302.09	-0.27	0	0	0	47.14
514	5.14	14.33	512.4	8	3.98E-06	1.17E-01	41	287.29	82	45	143.64	180.03	0	0	0	0.33	0	304.88	-0.27	0	0	0	47.43
515	5.15	14.33	520.2	8	3.98E-06	1.17E-01	41	289.46	82	45	144.73	181.4	0	0	0	0.33	0	306.03	-0.27	0	0	0	47.6
516	5.16	14.12	515	8	3.69E-06	1.08E-01	41	286.85	81	45	143.43	179.76	0	0	0	0.33	0	304.65	-0.27	0	0	0	47.6
517	5.17	13.56	501.5	8	3.23E-06	9.29E-02	39	281.65	80	45	140.83	176.5	0	0	0	0.33	0	301.88	-0.27	0	0	0	47.54
518	5.18	12.76	497.8	8	2.70E-06	7.55E-02	38	274.21	77	45	137.11	171.84	0	0	0	0.33	0	297.87	-0.27	0	0	0	47.41
519	5.19	11.85	480.7	8	2.04E-06	5.49E-02	35	264.27	74	45	132.13	165.61	0	0	0	0.33	0	292.41	-0.27	0	0	0	47.26
520	5.2	10.38	461.5	9	1.26E-06	1.81E-02	32	141.19	0	0	0	157.53	14	720.33	15.07	0.33	56.94	285.2	0	1	75.44	0	720.33
521	5.21	8.34	461.5	9	7.58E-07	9.07E-03	28	117.73	0	0	0	144.11	14	600.67	12.55	0.33	48.42	272.77	0	1	68.65	0	600.67
522	5.22	6.83	363.3	9	4.54E-07	4.43E-03	24	95.76	0	0	0	128.53	14	488.56	10.18	0.33	40.15	257.61	0	1	63.73	0	488.56
523	5.23	5.68	302.2	9	3.43E-07	2.78E-03	21	79.38	0	0	0	112.07	14	405.01	8.43	0.33	33.61	240.55	0	1	64.74	0	405.01
524	5.24	4.83	254.1	9	2.45E-07	1.66E-03	18	66.2	0	0	0	99.33	14	337.76	7.01	0.33	28.37	226.47	0	1	64.12	0	337.76
525	5.25	4	218.1	9	1.63E-07	9.07E-04	15	54.6	0	0	0	88.2	14	278.55	5.77	0.33	23.75	213.4	0	1	62.24	0	278.55
526	5.26	3.2	185.7	4	1.00E-07	4.52E-04	13	44.32	0	0	0	78.21	14	226.14	4.68	0.33	19.64	200.95	0	1	59.2	0	226.14
527	5.27	2.63	157.7	3	6.20E-08	2.30E-04	11	36.35	0	0	0	69.95	14	185.48	3.83	0.33	16.4	190.04	0	1	56.18	0	185.48
528	5.28	2.3	141.9	3	4.96E-08	1.63E-04	10	32.16	0	0	0	64.43	14	164.09	3.38	0.33	14.61	182.4	0	1	56.44	0	164.09
529	5.29	2.3	127.8	3	2.90E-08	7.90E-05	9	26.7	0	0	0	58.94	14	136.22	2.8	0.33	12.37	174.44	0	1	51.75	0	136.22
530	5.3	1.46	117.2	3	1.79E-08	4.08E-05	8	22.35	0	0	0	53.86	14	114.05	2.34	0.33	10.54	166.76	0	1	48.34	0	114.05
531	5.31	1.36	101.8	3	9.41E-09	1.71E-05	7	17.82	0	0	0	48.24	14	90.94	1.86	0.33	8.61	157.82	0	1	43.82	0	90.94
532	5.32	1.32	86.1	3	1.08E-08	1.88E-05	7	17.09	0	0	0	45.15	14	87.2	1.78	0.33	8.19	152.68	0	1	48.95	0	87.2
533	5.33	1.3	74	3	1.22E-08	2.08E-05	6	16.7	0	0	0	43.12	14	85.22	1.74	0.33	7.95	149.21	0	1	53.51	0	85.22
534	5.34	1.28	74	3	1.91E-08	3.19E-05	6	16.44	0	0	0	39.15	14	83.87	1.71	0.33	7.68	142.18	0	1	68.72	0	83.87
535	5.35	1.26	31.4	4	3.21E-08	5.31E-05	6	16.22	0	0	0	35.17	14	82.78	1.68	0.33	7.41	134.75	0	1	92.68	0	82.78
536	5.36	1.24	25.9	4	6.92E-08	1.13E-04	5	16.01	0	0	0	30.21	14	81.71	1.66	0.33	7.08	124.89	0	1	147.19	0	81.71
537	5.37	1.22	24.3	4	7.75E-08	1.25E-04	5	15.79	0	0	0	29.18	14	80.54	1.63	0.33	6.74	122.74	0	1	161.08	0	80.54
538	5.38	1.2	23.3	4	7.94E-08	1.26E-04	5	15.56	0	0	0	28.64	14	79.4	1.61	0.33	6.82	121.59	0	1	167.22	0	79.4
539	5.39	1.19	22.2	4	8.01E-08	1.26E-04	5	15.39	0	0	0	28.28	14	78.54	1.59	0.33	6.74	120.84	0	1	171.04	0	78.54
540	5.4	1.18	22	4	7.97E-08	1.24E-04	5	15.29	0	0	0	28.11	14	78	1.57	0.33	6.68	120.47	0	1	172.68	0	78
541	5.41	1.17	22.2	4	7.90E-08	1.23E-04	5	15.24	0	0	0	28.06	14	77.75	1.56	0.33	6.65	120.37	0	1	172.9	0	77.75
542	5.42	1.17	21.9	4	8.02E-08	1.25E-04	5	15.33	0	0	0	28.16	14	78.21	1.57	0.33	6.68	120.57	0	1.25	173.4	36.45	78.21
543	5.43	1.16	22.2	4	8.44E-08	1.34E-04	5	15.58	0	0	0	28.35	14	79.49	1.59	0.33	6.76	120.99	0	1.23	175.44	39.06	79.49
544	5.44	1.18	22.5	4	9.19E-08	1.50E-04	5	15.98	0	0	0	28.63	14	81.52	1.63	0.33	6.9	121.59	0	1.24	178.87	40	81.52
545	5.45	1.21	22.3	4	1.00E-07	1.67E-04	5	16.33	0	0	0	28.82	14	83.31	1.66	0.33	7.02	121.97	0	1.25	183.32	40	83.31
546	5.46	1.21	22	4	1.09E-07	1.86E-04	5	16.64	0	0	0	28.88	14	84.88	1.69	0.33	7.11	122.12	0	1.26	189.34	40	84.88
547	5.47	1.23	21.6	4	1.18E-07	2.03E-04	5	16.87	0	0	0	28.88	14	86.07	1.71	0.33	7.18	122.12	0	1.27	195.26	40	86.07
548	5.48	1.24	21.2	4	1.26E-07	2.19E-04	5	17.08	0	0	0	28.92	14	87.15	1.73	0.33	7.24	122.2	0	1.28	199.86	40	87.15
549	5.49	1.24	21.3	4	1.30E-07	2.29E-04	5	17.22	0	0	0	28.96	14	87.84	1.74	0.33	7.28	122.28	0	1.28	202.72	40	87.84
550	5.5	1.24	21.2	4	1.32E-07	2.32E-04	5	17.27	0	0	0	29	14	88.11	1.74	0.33	7.29	122.37	0	1.28	203.33	40	88.11
551	5.51	1.23	21.2	4	1.33E-07	2.34E-04	5	17.29	0	0	0	28.99	14	88.23	1.74	0.33	7.29	122.35	0	1.28	204.58	40	88.23
552	5.52	1.22	21	4	1.32E-07	2.33E-04	5	17.29	0	0	0	29.01	14	88.23	1.74	0.33	7.27	122.39	0	1.28	204.56	40	88.23
553	5.53	1.22	21.2	4	1.32E-07	2.32E-04	5	17.29	0	0	0	29.03	14	88.21	1.74	0.33	7.26	122.43	0	1.28	204.54	40	88.21
554	5.54	1.21	21.2	4	1.28E-07	2.25E-04	5	17.12	0	0	0	29.08	14	87.93	1.73	0.33	7.24	122.54	0	1.27	202.29	40	87.93
555	5.55	1.2	21.5	4	1.23E-07	2.15E-04	5	17.12	0	0	0	29.1	14	87.34	1.71	0.33	7.19	122.57	0	1.27	199.68	40	87.34
556	5.56	1.19	21.6	4	1.16E-07	2.01E-04	5	16.96	0	0	0	29.14	14	86.54	1.69	0.33	7.13	122.65	0	1.26	195.41	40	86.54
557	5.57	1.17	22	4	1.11E-07	1.91E-04	5	16.84	0	0	0	29.14	14	85.9	1.68	0.33	7.07	122.66	0	1.26	192.79	40	85.9
558	5.58	1.17	21.9	4	1.10E-07	1.88E-04	5	16.77	0	0	0	29.1	14	85.57	1.67	0.33	7.04	122.57	0	1.25	192.64	40	85.57

559	5.59	1.17	21.4	4	1.16E-07	2.01E-04	5	16.92	0	0	0	29.05	14	86.34	1.68	0.33	7.08	122.48	0	1.26	197.69	40	86.34
560	5.6	1.19	20.9	4	1.25E-07	2.17E-04	5	17.12	0	0	0	29.05	14	87.37	1.72	0.33	7.13	122.46	0	1.26	203.21	40	87.37
561	5.61	1.2	20.9	4	1.32E-07	2.34E-04	5	17.35	0	0	0	29.12	14	88.54	1.72	0.33	7.2	122.61	0	1.27	207.58	40	88.54
562	5.62	1.21	20.9	4	1.51E-07	2.69E-04	5	17.44	0	0	0	28.56	14	88.96	1.72	0.33	7.19	121.43	0	1.27	225.09	40	88.96
563	5.63	1.21	16.3	4	1.71E-07	3.03E-04	5	17.41	0	0	0	27.89	14	88.82	1.72	0.33	7.14	120.01	0	1.26	244.95	40	88.82
564	5.64	1.2	16.1	5	1.93E-07	3.40E-04	5	17.29	25	33	21.62	27.09	0	0	0	0	118.27	-0.03	0	0	0	40	34.25
565	5.65	1.18	15.7	5	1.87E-07	3.26E-04	5	17.08	25	33	21.48	26.92	0	0	0	0	117.9	-0.03	0	0	0	40	34.28
566	5.66	1.17	15.7	5	1.82E-07	3.14E-04	5	16.94	24	33	21.41	26.84	0	0	0	0	117.71	-0.03	0	0	0	40	34.33
567	5.67	1.16	15.9	5	1.75E-07	3.02E-04	5	16.87	24	33	21.46	26.89	0	0	0	0	117.84	-0.03	0	0	0	40	34.43
568	5.68	1.16	16.2	5	1.68E-07	2.89E-04	5	16.86	24	34	21.61	27.08	0	0	0	0	118.26	-0.03	0	0	0	40	34.59
569	5.69	1.16	16.9	4	1.58E-07	2.72E-04	5	16.86	24	0	0	27.38	14	86.04	1.65	0.33	6.87	118.9	0	1.23	248.47	40	86.04
570	5.7	1.16	17.8	4	1.50E-07	2.60E-04	5	16.99	0	0	0	27.86	14	86.68	1.65	0.33	6.93	119.94	0	1.24	237.28	40	86.68
571	5.71	1.18	19	4	1.44E-07	2.53E-04	5	17.26	0	0	0	28.52	14	88.06	1.68	0.33	7.04	121.35	0	1.25	225.91	40	88.06
572	5.72	1.21	20.5	4	1.49E-07	2.69E-04	5	17.74	0	0	0	29.15	14	90.51	1.72	0.33	7.21	122.67	0	1.27	221.76	40	90.51
573	5.73	1.24	20.5	4	1.58E-07	2.98E-04	6	18.5	0	0	0	30.06	14	94.39	1.79	0.33	7.5	124.58	0	1.3	217.14	40	94.39
574	5.74	1.33	22.9	4	1.82E-07	3.64E-04	6	19.57	0	0	0	30.97	14	99.83	1.89	0.33	7.88	126.46	0	1.35	219.69	40	99.83
575	5.75	1.42	23.4	5	2.12E-07	4.49E-04	6	20.79	27	34	25.56	32.03	0	0	0	0	128.6	-0.05	0	0	0	40	36.22
576	5.76	1.5	24.1	5	2.40E-07	5.34E-04	6	21.84	27	35	26.25	32.9	0	0	0	0	130.34	-0.05	0	0	0	40	36.39
577	5.77	1.56	25.8	5	2.49E-07	5.72E-04	6	22.54	28	35	26.91	33.73	0	0	0	0	131.97	-0.05	0	0	0	40	36.63
578	5.78	1.58	27.3	5	2.38E-07	5.55E-04	6	22.87	28	35	27.54	34.51	0	0	0	0	133.49	-0.06	0	0	0	40	36.94
579	5.79	1.58	29	5	2.24E-07	5.23E-04	7	22.94	28	35	27.93	35	0	0	0	0	134.43	-0.06	0	0	0	40	37.2
580	5.8	1.58	29.4	4	2.11E-07	4.98E-04	7	22.91	0	0	0	35.33	14	116.9	2.19	0.33	9.1	135.06	0	1.48	194.39	40	116.9
581	5.81	1.58	30	4	1.88E-07	4.31E-04	7	22.56	0	0	0	35.53	14	115.1	2.16	0.33	8.98	135.45	0	1.46	185.31	40	115.1
582	5.82	1.52	31.9	4	1.56E-07	3.49E-04	6	21.98	0	0	0	35.8	14	112.16	2.1	0.33	8.8	135.96	0	1.45	172.11	40	112.16
583	5.83	1.47	33.9	4	1.26E-07	2.72E-04	6	21.2	0	0	0	35.91	14	108.19	2.02	0.33	8.54	136.16	0	1.42	159.19	40	108.19
584	5.84	1.43	34.1	4	1.07E-07	2.23E-04	6	20.47	0	0	0	35.69	14	104.45	1.95	0.33	8.27	135.74	0	1.39	152.02	40	104.45
585	5.85	1.38	33	4	9.39E-08	1.88E-04	6	19.63	0	0	0	35.04	14	100.14	1.86	0.33	7.96	134.5	0	1.36	148.99	40	100.14
586	5.86	1.31	31.7	4	8.48E-08	1.63E-04	6	18.82	0	0	0	34.22	14	96.01	1.78	0.33	7.65	132.92	0	1.32	148.56	40	96.01
587	5.87	1.27	30.3	4	7.88E-08	1.47E-04	6	18.28	0	0	0	33.68	14	93.26	1.73	0.33	7.43	131.87	0	1.3	148.2	40	93.26
588	5.88	1.27	30.5	4	7.70E-08	1.42E-04	6	18.07	0	0	0	33.44	14	92.21	1.71	0.33	7.34	131.41	0	1.29	148.62	40	92.21
589	5.89	1.27	30.4	4	7.51E-08	1.37E-04	6	17.9	0	0	0	33.28	14	91.34	1.69	0.33	7.28	131.08	0	1.28	148.54	40	91.34
590	5.9	1.23	29.5	4	7.16E-08	1.29E-04	6	17.62	0	0	0	33.03	14	89.88	1.66	0.33	7.16	130.59	0	1.27	147.79	40	89.88
591	5.91	1.2	29.5	4	7.26E-08	1.28E-04	6	17.26	0	0	0	32.27	14	88.06	1.62	0.33	7	129.09	0	1.25	153.55	40	88.06
592	5.92	1.17	25.3	4	7.36E-08	1.27E-04	5	16.94	0	0	0	31.61	14	86.44	1.59	0.33	6.86	127.75	0	1.23	159.04	40	86.44
593	5.93	1.15	25.1	4	7.83E-08	1.33E-04	5	16.69	0	0	0	30.79	14	85.17	1.56	0.33	6.73	126.09	0	1.22	169.19	40	85.17
594	5.94	1.15	23.6	4	7.90E-08	1.32E-04	5	16.45	0	0	0	30.29	14	83.92	1.54	0.33	6.62	125.07	0	1.2	173.99	40	83.92
595	5.95	1.14	22.2	4	8.16E-08	1.35E-04	5	16.2	0	0	0	29.66	14	82.66	1.51	0.33	6.5	123.75	0	1.19	181.9	40	82.66
596	5.96	1.12	21	4	8.19E-08	1.33E-04	5	15.94	0	0	0	29.16	14	81.31	1.48	0.33	6.39	122.71	0	1.18	187.05	40	81.31
597	5.97	1.09	20.7	4	8.05E-08	1.29E-04	5	15.71	0	0	0	28.83	14	80.13	1.46	0.33	6.29	122.01	0	1.16	189.39	40	80.13
598	5.98	1.08	20.5	4	7.98E-08	1.24E-04	5	15.57	0	0	0	28.75	14	79.42	1.45	0.33	6.23	121.83	0	1.16	188.31	40	79.42
599	5.99	1.08	20.8	4	7.40E-08	1.16E-04	5	15.34	0	0	0	28.58	14	78.24	1.42	0.33	6.14	121.47	0	1.15	186.72	40	78.24
600	6	1.05	20.3	4	7.13E-08	1.10E-04	5	15.1	0	0	0	28.34	14	77.06	1.4	0.33	6.05	120.96	0	1.14	186.93	40	77.06
601	6.01	1.04	19.5	4	6.95E-08	1.05E-04	5	14.82	0	0	0	27.93	14	75.6	1.37	0.33	5.93	120.08	0	1.12	189.64	40	75.6
602	6.02	1.03	18.8	4	6.92E-08	1.03E-04	5	14.66	0	0	0	27.65	14	74.8	1.35	0.33	5.86	119.49	0	1.11	192.56	40	74.8
603	6.03	1.02	18.8	4	6.85E-08	1.02E-04	5	14.53	0	0	0	27.46	14	74.14	1.34	0.33	5.8	119.07	0	1.11	194.27	40	74.14
604	6.04	1.02	18.5	4	6.74E-08	9.91E-05	5	14.43	0	0	0	27.35	14	73.63	1.33	0.33	5.76	118.84	0	1.1	194.66	40	73.63
605	6.05	1.01	18.3	4	6.73E-08	9.84E-05	5	14.35	0	0	0	27.2	14	73.19	1.32	0.33	5.72	118.5	0	1.1	196.69	40	73.19
606	6.06	1.01	17.9	4	6.71E-08	9.76E-05	5	14.26	0	0	0	27.06	14	72.77	1.31	0.33	5.67	118.19	0	1.09	198.47	40	72.77
607	6.07	1	17.7	4	6.72E-08	9.73E-05	5	14.12	0	0	0	26.92	14	72.44	1.3	0.33	5.64	117.9	0	1.09	200.54	40	72.44
608	6.08	1	17.5	4	6.66E-08	9.60E-05	5	14.13	0	0	0	26.85	14	72.11	1.29	0.33	5.61	117.74	0	1.08	201.15	40	72.11
609	6.09	1	17.5	4	6.54E-08	9.38E-05	5	14.07	0	0	0	26.81	14	71.78	1.28	0.33	5.58	117.66	0	1.08	200.6	40	71.78

610	4	6.34E-08	9.06E-05	5	14	0	0	0	0	0	26.84	14	71.45	1.27	0.33	5.55	117.71	0	1.07	198.53	40	71.45
611	4	6.14E-08	8.71E-05	5	13.93	0	0	0	0	0	26.85	14	71.06	1.25	0.33	5.52	117.74	0	1.07	196.36	40	71.06
612	4	5.90E-08	8.31E-05	5	13.82	0	0	0	0	0	26.83	14	70.51	1.25	0.33	5.47	117.71	0	1.07	194.09	40	70.51
613	4	5.59E-08	7.77E-05	5	13.62	0	0	0	0	0	26.71	14	69.51	1.23	0.33	5.4	117.43	0	1.06	192.06	40	69.51
614	4	5.25E-08	7.14E-05	5	13.35	0	0	0	0	0	26.47	14	68.1	1.21	0.33	5.29	116.9	0	1.04	190.67	40	68.1
615	4	4.89E-08	6.47E-05	4	13	0	0	0	0	0	26.11	14	66.3	1.17	0.33	5.15	116.1	0	1.02	189.99	40	66.3
616	4	4.79E-08	6.22E-05	4	12.74	0	0	0	0	0	25.69	14	65	1.15	0.33	5.05	115.16	0	1.01	193.82	40	65
617	4	4.42E-08	5.52E-05	4	12.26	0	0	0	0	0	25.1	14	62.57	1.1	0.33	4.87	113.83	0	0.99	195.3	40	62.57
618	4	4.14E-08	5.00E-05	4	11.84	0	0	0	0	0	24.51	14	60.41	1.06	0.33	4.7	112.5	0	0.97	198.22	40	60.41
619	4	3.74E-08	4.22E-05	4	11.09	0	0	0	0	0	23.94	14	57.91	1.02	0.33	4.51	111.17	0	0.94	198.44	40	57.91
620	4	3.67E-08	3.99E-05	4	10.66	0	0	0	0	0	23.56	14	56.81	1	0.33	4.42	110.29	0	0.93	202.71	40	56.81
621	4	3.63E-08	3.83E-05	4	10.33	0	0	0	0	0	23.25	14	55.96	0.98	0.33	4.35	109.56	0	0.92	206.69	40	55.96
622	4	3.64E-08	3.75E-05	4	10.11	0	0	0	0	0	23.01	14	55.39	0.97	0.33	4.3	108.99	0	0.91	210.94	40	55.39
623	4	3.77E-08	3.84E-05	4	9.97	0	0	0	0	0	22.73	14	55.08	0.96	0.33	4.27	108.32	0	0.91	218.83	40	55.08
624	4	4.05E-08	4.06E-05	4	9.85	0	0	0	0	0	22.35	14	54.86	0.96	0.33	4.23	107.43	0	0.9	231.73	40	54.86
625	4	4.29E-08	4.27E-05	4	9.75	0	0	0	0	0	22.04	14	54.67	0.95	0.33	4.21	106.67	0	0.9	243.52	40	54.67
626	4	4.68E-08	4.61E-05	4	9.66	0	0	0	0	0	21.63	14	54.51	0.95	0.33	4.18	105.68	0	0.89	261	40	54.51
627	4	4.95E-08	4.84E-05	4	9.6	0	0	0	0	0	21.39	14	54.43	0.94	0.33	4.16	105.08	0	0.89	273.09	40	54.43
628	4	5.32E-08	5.20E-05	4	9.59	0	0	0	0	0	21.13	14	54.49	0.94	0.33	4.15	104.45	0	0.89	288.14	40	54.49
629	4	5.38E-08	5.27E-05	4	9.65	0	0	0	0	0	21.19	14	54.71	0.95	0.33	4.16	104.59	0	0.89	288.28	40	54.71
630	4	5.34E-08	5.30E-05	4	9.74	0	0	0	0	0	21.31	14	55	0.95	0.33	4.17	104.89	0	0.89	285.67	40	55
631	4	5.30E-08	5.34E-05	4	9.88	0	0	0	0	0	21.5	14	55.42	0.96	0.33	4.2	105.37	0	0.9	280.94	40	55.42
632	4	5.31E-08	5.40E-05	4	9.98	0	0	0	0	0	21.63	14	55.77	0.96	0.33	4.22	105.68	0	0.9	278.83	40	55.77
633	4	5.38E-08	5.52E-05	4	10.07	0	0	0	0	0	21.7	14	56.07	0.96	0.33	4.24	105.85	0	0.9	279.4	40	56.07
634	4	5.35E-08	5.48E-05	4	10.05	0	0	0	0	0	21.71	14	56.04	0.96	0.33	4.23	105.87	0	0.9	279.27	40	56.04
635	4	5.20E-08	5.28E-05	4	9.97	0	0	0	0	0	21.73	14	55.82	0.96	0.33	4.21	105.93	0	0.9	276.27	40	55.82
636	4	5.06E-08	5.10E-05	4	9.88	0	0	0	0	0	21.76	14	55.6	0.95	0.33	4.19	105.99	0	0.9	273.36	40	55.6
637	4	4.90E-08	4.89E-05	4	9.78	0	0	0	0	0	21.78	14	55.34	0.95	0.33	4.17	106.03	0	0.89	270.25	40	55.34
638	4	4.80E-08	4.75E-05	4	9.71	0	0	0	0	0	21.77	14	55.14	0.94	0.33	4.15	106.05	0	0.89	268.39	40	55.14
639	4	4.71E-08	4.62E-05	4	9.62	0	0	0	0	0	21.77	14	54.92	0.94	0.33	4.13	106.02	0	0.89	267.33	40	54.92
640	4	4.65E-08	4.54E-05	4	9.57	0	0	0	0	0	21.77	14	54.79	0.93	0.33	4.12	106.02	0	0.89	266.71	40	54.79
641	4	4.62E-08	4.50E-05	4	9.54	0	0	0	0	0	21.78	14	54.76	0.93	0.33	4.11	106.04	0	0.89	266.55	40	54.76
642	4	4.64E-08	4.50E-05	4	9.52	0	0	0	0	0	21.75	14	54.73	0.93	0.33	4.1	105.98	0	0.88	266.17	40	54.73
643	4	4.71E-08	4.56E-05	4	9.5	0	0	0	0	0	21.69	14	54.73	0.93	0.33	4.09	105.83	0	0.88	271.78	40	54.73
644	4	4.82E-08	4.66E-05	4	9.49	0	0	0	0	0	21.62	14	54.76	0.93	0.33	4.09	105.65	0	0.88	276.61	40	54.76
645	4	4.95E-08	4.81E-05	4	9.55	0	0	0	0	0	21.6	14	54.98	0.93	0.33	4.09	105.61	0	0.88	280.65	40	54.98
646	4	5.04E-08	4.93E-05	4	9.6	0	0	0	0	0	21.6	14	55.18	0.93	0.33	4.1	105.61	0	0.88	283.61	40	55.18
647	4	5.17E-08	5.11E-05	4	9.7	0	0	0	0	0	21.64	14	55.52	0.93	0.33	4.12	105.7	0	0.89	286.37	40	55.52
648	4	5.25E-08	5.22E-05	4	9.75	0	0	0	0	0	21.66	14	55.72	0.94	0.33	4.12	105.74	0	0.89	288.4	40	55.72
649	4	5.34E-08	5.34E-05	4	9.81	0	0	0	0	0	21.68	14	55.95	0.94	0.33	4.13	105.8	0	0.89	290.61	40	55.95
650	4	5.58E-08	5.70E-05	4	10.01	0	0	0	0	0	21.75	14	56.58	0.95	0.33	4.17	105.97	0	0.89	294.94	40	56.58
651	4	5.93E-08	6.24E-05	4	10.34	0	0	0	0	0	21.9	14	57.59	0.96	0.33	4.23	106.33	0	0.9	299.15	40	57.59
652	4	6.31E-08	6.88E-05	4	10.7	0	0	0	0	0	22.06	14	58.68	0.98	0.33	4.3	106.72	0	0.91	303.71	40	58.68
653	4	6.54E-08	7.28E-05	4	10.91	0	0	0	0	0	22.17	14	59.34	0.99	0.33	4.34	106.98	0	0.92	306.08	40	59.34
654	4	6.67E-08	7.52E-05	4	11.05	0	0	0	0	0	22.25	14	59.78	0.99	0.33	4.36	107.18	0	0.92	307.25	40	59.78
655	4	6.85E-08	7.82E-05	4	11.2	0	0	0	0	0	22.32	14	60.24	1	0.33	4.38	107.34	0	0.92	309.63	40	60.24
656	4	6.85E-08	7.88E-05	4	11.29	0	0	0	0	0	22.42	14	60.51	1	0.33	4.4	107.58	0	0.93	307.81	40	60.51
657	4	6.86E-08	7.93E-05	4	11.35	0	0	0	0	0	22.49	14	60.73	1.01	0.33	4.41	107.77	0	0.93	306.95	40	60.73
658	4	6.76E-08	7.84E-05	4	11.37	0	0	0	0	0	22.57	14	60.79	1.01	0.33	4.41	107.95	0	0.93	303.98	40	60.79
659	4	6.80E-08	7.90E-05	4	11.4	0	0	0	0	0	22.6	14	60.92	1.01	0.33	4.41	108.02	0	0.93	304.6	40	60.92
660	4	6.87E-08	8.02E-05	4	11.46	0	0	0	0	0	22.64	14	61.14	1.01	0.33	4.42	108.11	0	0.93	305.69	40	61.14

661	4	7.15E-08	8.36E-05	0	0	0	0	0	22.51	14	61.24	1.01	0.33	4.41	107.8	0	0.93	314.74	40	61.24
662	4	6.98E-08	8.14E-05	0	0	0	0	0	22.59	14	61.2	1.01	0.33	4.41	108.01	0	0.93	310.21	40	61.2
663	4	6.20E-08	7.05E-05	0	0	0	0	0	22.75	14	60.33	0.99	0.33	4.35	108.39	0	0.92	292.69	40	60.33
664	4	4.89E-08	5.26E-05	0	0	0	0	0	23.05	14	58.55	0.96	0.33	4.25	109.1	0	0.91	260.82	40	58.55
665	4	3.74E-08	3.68E-05	0	0	0	0	0	23.07	14	55.82	0.91	0.33	4.07	109.13	0	0.88	235.11	40	55.82
666	4	3.11E-08	2.84E-05	0	0	0	0	0	22.95	14	53.7	0.88	0.33	3.93	108.86	0	0.86	221.12	40	53.7
667	4	2.92E-08	2.56E-05	0	0	0	0	0	22.77	14	52.67	0.86	0.33	3.86	108.42	0	0.85	219.33	40	52.67
668	4	3.05E-08	2.68E-05	0	0	0	0	0	22.58	14	52.66	0.86	0.33	3.85	107.96	0	0.85	226.99	40	52.66
669	4	2.74E-08	2.23E-05	0	0	0	0	0	22.16	14	50.69	0.82	0.33	3.71	106.98	0	0.83	225.13	40	50.69
670	4	2.40E-08	1.79E-05	0	0	0	0	0	21.74	14	48.52	0.79	0.33	3.56	105.93	0	0.81	221.49	40	48.52
671	4	2.05E-08	1.38E-05	0	0	0	0	0	21.2	14	46.03	0.75	0.33	3.39	104.63	0	0.78	218.27	40	46.03
672	4	2.06E-08	1.33E-05	0	0	0	0	0	20.74	14	45.07	0.73	0.33	3.31	103.49	0	0.77	227.7	40	45.07
673	3	2.08E-08	1.28E-05	0	0	0	0	0	20.25	14	44.06	0.71	0.33	3.23	102.25	0	0.76	239.02	40	44.06
674	4	2.16E-08	1.30E-05	0	0	0	0	0	19.78	14	43.32	0.7	0.33	3.17	101.05	0	0.75	253.71	40	43.32
675	3	2.25E-08	1.30E-05	0	0	0	0	0	19.38	14	42.77	0.69	0.33	3.12	100.03	0	0.74	268.67	40	42.77
676	3	2.39E-08	1.35E-05	0	0	0	0	0	18.99	14	42.37	0.68	0.33	3.08	99.01	0	0.74	287.03	40	42.37
677	3	2.54E-08	1.41E-05	0	0	0	0	0	18.64	14	42.05	0.68	0.33	3.05	98.1	0	0.73	306	40	42.05
678	3	2.73E-08	1.49E-05	0	0	0	0	0	18.32	14	41.86	0.67	0.33	3.03	97.25	0	0.73	327.28	40	41.86
679	3	2.90E-08	1.58E-05	0	0	0	0	0	18.1	14	41.81	0.67	0.33	3.01	96.66	0	0.73	345.25	40	41.81
680	3	3.01E-08	1.64E-05	0	0	0	0	0	18	14	41.87	0.67	0.33	3.01	96.4	0	0.73	355.75	40	41.87
681	3	3.15E-08	1.73E-05	0	0	0	0	0	17.92	14	42.03	0.67	0.33	3.02	96.18	0	0.73	367.79	40	42.03
682	3	3.29E-08	1.82E-05	0	0	0	0	0	17.89	14	42.29	0.67	0.33	3.03	96.11	0	0.73	376.81	40	42.29
683	3	3.44E-08	1.92E-05	0	0	0	0	0	17.87	14	42.58	0.68	0.33	3.04	96.05	0	0.73	386.35	40	42.58
684	3	3.54E-08	2.01E-05	0	0	0	0	0	17.93	14	42.96	0.68	0.33	3.06	96.22	0	0.73	389.79	40	42.96
685	3	3.70E-08	2.14E-05	0	0	0	0	0	17.94	14	43.33	0.69	0.33	3.08	96.25	0	0.74	398.11	40	43.33
686	3	3.96E-08	2.33E-05	0	0	0	0	0	17.94	14	43.8	0.69	0.33	3.1	96.18	0	0.74	412.75	40	43.8
687	3	4.23E-08	2.52E-05	0	0	0	0	0	17.85	14	44.16	0.7	0.33	3.12	96	0	0.74	429.88	40	44.16
688	3	4.36E-08	2.62E-05	0	0	0	0	0	17.84	14	44.39	0.7	0.33	3.13	95.98	0	0.74	437.99	40	44.39
689	3	4.37E-08	2.62E-05	0	0	0	0	0	17.82	14	44.37	0.7	0.33	3.12	95.93	0	0.74	440.67	40	44.37
690	3	4.38E-08	2.64E-05	0	0	0	0	0	17.88	14	44.52	0.7	0.33	3.13	96.08	0	0.74	439.21	40	44.52
691	3	4.45E-08	2.70E-05	0	0	0	0	0	17.92	14	44.74	0.7	0.33	3.14	96.19	0	0.75	441.37	40	44.74
692	3	4.53E-08	2.81E-05	0	0	0	0	0	18.07	14	45.27	0.71	0.33	3.17	96.6	0	0.75	437.85	40	45.27
693	3	4.61E-08	2.94E-05	0	0	0	0	0	18.27	14	45.91	0.72	0.33	3.21	97.12	0	0.76	432.61	40	45.91
694	3	4.75E-08	3.15E-05	0	0	0	0	0	18.55	14	46.86	0.73	0.33	3.27	97.86	0	0.76	425.21	40	46.86
695	3	4.87E-08	3.36E-05	0	0	0	0	0	18.85	14	47.86	0.75	0.33	3.33	98.66	0	0.77	416.31	40	47.86
696	4	5.16E-08	3.73E-05	0	0	0	0	0	19.14	14	49.08	0.77	0.33	3.41	99.4	0	0.79	414.66	40	49.08
697	4	5.25E-08	4.00E-05	0	0	0	0	0	19.6	14	50.41	0.79	0.33	3.49	100.58	0	0.8	398.4	40	50.41
698	4	5.41E-08	4.37E-05	0	0	0	0	0	20.11	14	51.99	0.81	0.33	3.6	101.86	0	0.81	384.02	40	51.99
699	4	5.40E-08	4.60E-05	0	0	0	0	0	20.66	14	53.42	0.83	0.33	3.69	103.28	0	0.83	363.58	40	53.42
700	4	5.52E-08	4.93E-05	0	0	0	0	0	21.06	14	54.69	0.85	0.33	3.77	104.29	0	0.84	354.18	40	54.69
701	4	5.54E-08	5.09E-05	0	0	0	0	0	21.36	14	55.51	0.86	0.33	3.82	105.03	0	0.85	345.74	40	55.51
702	4	5.56E-08	5.21E-05	0	0	0	0	0	21.6	14	56.15	0.87	0.33	3.86	105.61	0	0.85	339.66	40	56.15
703	4	5.51E-08	5.25E-05	0	0	0	0	0	21.81	14	56.62	0.88	0.33	3.89	106.13	0	0.86	332.95	40	56.62
704	4	5.42E-08	5.27E-05	0	0	0	0	0	22.01	14	56.96	0.88	0.33	3.91	106.6	0	0.86	325.74	40	56.96
705	4	5.27E-08	5.07E-05	0	0	0	0	0	22.13	14	56.99	0.88	0.33	3.91	106.88	0	0.86	319.59	40	56.99
706	4	5.10E-08	4.87E-05	0	0	0	0	0	22.17	14	56.75	0.87	0.33	3.89	107	0	0.86	314.82	40	56.75
707	4	4.95E-08	4.67E-05	0	0	0	0	0	22.17	14	56.42	0.87	0.33	3.87	106.99	0	0.85	311.81	40	56.42
708	4	4.86E-08	4.56E-05	0	0	0	0	0	22.19	14	56.28	0.87	0.33	3.85	107.03	0	0.85	309.88	40	56.28
709	4	4.88E-08	4.58E-05	0	0	0	0	0	22.18	14	56.33	0.86	0.33	3.85	107.02	0	0.85	311.31	40	56.33
710	4	4.91E-08	4.62E-05	0	0	0	0	0	22.18	14	56.4	0.86	0.33	3.85	107.02	0	0.85	312.84	40	56.4
711	4	4.90E-08	4.59E-05	0	0	0	0	0	22.17	14	56.33	0.86	0.33	3.84	106.99	0	0.85	313.65	40	56.33

712	4	4.87E-08	4.55E-05	4	9.16	0	0	0	0	22.18	14	56.3	0.86	0.33	3.84	107.01	0	0.85	313.47	40	56.3
713	4	4.84E-08	4.51E-05	4	9.13	0	0	0	0	22.19	14	56.25	0.86	0.33	3.83	107.03	0	0.85	313.2	40	56.25
714	4	4.92E-08	4.59E-05	4	9.16	0	0	0	0	22.17	14	56.38	0.86	0.33	3.83	107	0	0.85	316.32	40	56.38
715	4	4.95E-08	4.61E-05	4	9.14	0	0	0	0	22.14	14	56.36	0.86	0.33	3.82	106.92	0	0.85	318.66	40	56.36
716	4	5.02E-08	4.69E-05	4	9.16	0	0	0	0	22.13	14	56.46	0.86	0.33	3.82	106.88	0	0.85	321.7	40	56.46
717	4	5.00E-08	4.67E-05	4	9.15	0	0	0	0	22.14	14	56.47	0.86	0.33	3.82	106.92	0	0.85	321.75	40	56.47
718	4	4.99E-08	4.66E-05	4	9.15	0	0	0	0	22.16	14	56.49	0.86	0.33	3.82	106.95	0	0.85	321.84	40	56.49
719	4	4.97E-08	4.64E-05	4	9.16	0	0	0	0	22.2	14	56.55	0.86	0.33	3.82	107.05	0	0.85	320.97	40	56.55
720	4	4.94E-08	4.62E-05	4	9.18	0	0	0	0	22.26	14	56.65	0.86	0.33	3.82	107.21	0	0.85	319.04	40	56.65
721	4	4.90E-08	4.59E-05	4	9.19	0	0	0	0	22.32	14	56.73	0.86	0.33	3.82	107.36	0	0.85	317.06	40	56.73
722	4	4.91E-08	4.62E-05	4	9.25	0	0	0	0	22.4	14	56.93	0.86	0.33	3.83	107.55	0	0.85	315.81	40	56.93
723	4	4.99E-08	4.75E-05	4	9.34	0	0	0	0	22.45	14	57.24	0.86	0.33	3.84	107.67	0	0.85	317.54	40	57.24
724	4	5.09E-08	4.89E-05	4	9.42	0	0	0	0	22.5	14	57.56	0.87	0.33	3.86	107.79	0	0.85	319.3	40	57.56
725	4	5.19E-08	5.03E-05	4	9.5	0	0	0	0	22.53	14	57.84	0.87	0.33	3.87	107.85	0	0.85	322.05	40	57.84
726	4	5.25E-08	5.11E-05	4	9.56	0	0	0	0	22.57	14	58.06	0.87	0.33	3.88	107.94	0	0.85	323.26	40	58.06
727	4	5.36E-08	5.27E-05	4	9.65	0	0	0	0	22.62	14	58.41	0.87	0.33	3.9	108.07	0	0.86	325.21	40	58.41
728	4	5.40E-08	5.34E-05	4	9.7	0	0	0	0	22.65	14	58.59	0.88	0.33	3.91	108.15	0	0.86	326.23	40	58.59
729	4	5.44E-08	5.41E-05	4	9.76	0	0	0	0	22.71	14	58.81	0.88	0.33	3.91	108.29	0	0.86	326.23	40	58.81
730	4	5.35E-08	5.30E-05	4	9.73	0	0	0	0	22.76	14	58.74	0.88	0.33	3.9	108.4	0	0.86	323.43	40	58.74
731	4	5.22E-08	5.16E-05	4	9.7	0	0	0	0	22.82	14	58.66	0.87	0.33	3.9	108.55	0	0.86	319.38	40	58.66
732	4	5.07E-08	4.97E-05	4	9.61	0	0	0	0	22.85	14	58.43	0.87	0.33	3.88	108.62	0	0.85	315.76	40	58.43
733	4	5.10E-08	4.98E-05	4	9.57	0	0	0	0	22.79	14	58.34	0.87	0.33	3.87	108.48	0	0.85	318.8	40	58.34
734	4	5.22E-08	5.08E-05	4	9.54	0	0	0	0	22.67	14	58.29	0.86	0.33	3.86	108.2	0	0.85	325.78	40	58.29
735	4	5.38E-08	5.18E-05	4	9.45	0	0	0	0	22.48	14	58.07	0.86	0.33	3.84	107.72	0	0.85	336.1	40	58.07
736	4	5.39E-08	5.11E-05	4	9.29	0	0	0	0	22.29	14	57.62	0.85	0.33	3.8	107.27	0	0.84	342.91	40	57.62
737	4	5.25E-08	4.86E-05	4	9.07	0	0	0	0	22.14	14	56.95	0.84	0.33	3.75	106.91	0	0.84	344.54	40	56.95
738	4	5.09E-08	4.62E-05	4	8.89	0	0	0	0	22.04	14	56.39	0.83	0.33	3.72	106.67	0	0.83	343.98	40	56.39
739	4	4.95E-08	4.44E-05	4	8.8	0	0	0	0	22.04	14	56.11	0.83	0.33	3.69	106.68	0	0.83	340.85	40	56.11
740	4	4.95E-08	4.42E-05	4	8.77	0	0	0	0	22.02	14	56.06	0.82	0.33	3.69	106.64	0	0.83	341.92	40	56.06
741	4	4.98E-08	4.44E-05	4	8.75	0	0	0	0	21.99	14	56.05	0.82	0.33	3.68	106.56	0	0.83	344.73	40	56.05
742	4	5.01E-08	4.45E-05	4	8.73	0	0	0	0	21.96	14	56.01	0.82	0.33	3.67	106.48	0	0.82	347.39	40	56.01
743	4	5.14E-08	4.59E-05	4	8.77	0	0	0	0	21.93	14	56.19	0.82	0.33	3.68	106.4	0	0.83	352.98	40	56.19
744	4	5.27E-08	4.76E-05	4	8.86	0	0	0	0	21.96	14	56.53	0.83	0.33	3.69	106.47	0	0.83	356.65	40	56.53
745	4	5.43E-08	4.97E-05	4	8.97	0	0	0	0	22	14	56.94	0.83	0.33	3.72	106.57	0	0.83	360.81	40	56.94
746	4	5.52E-08	5.11E-05	4	9.07	0	0	0	0	22.07	14	57.3	0.84	0.33	3.73	106.75	0	0.83	361.52	40	57.3
747	4	5.67E-08	5.35E-05	4	9.26	0	0	0	0	22.2	14	57.92	0.84	0.33	3.77	107.06	0	0.84	362.33	40	57.92
748	4	5.92E-08	5.71E-05	4	9.46	0	0	0	0	22.29	14	58.61	0.85	0.33	3.8	107.28	0	0.84	366.62	40	58.61
749	4	6.16E-08	6.06E-05	4	9.65	0	0	0	0	22.38	14	59.26	0.86	0.33	3.84	107.49	0	0.85	370.7	40	59.26
750	4	6.35E-08	6.33E-05	4	9.78	0	0	0	0	22.42	14	59.71	0.87	0.33	3.86	107.59	0	0.85	375.07	40	59.71
751	4	6.33E-08	6.35E-05	4	9.92	0	0	0	0	22.64	14	60.17	0.87	0.33	3.89	108.12	0	0.85	367	40	60.17
752	4	5.94E-08	6.16E-05	4	10.18	0	0	0	0	23.17	14	60.96	0.88	0.33	3.94	109.38	0	0.86	343.35	40	60.96
753	4	5.30E-08	5.74E-05	4	10.62	0	0	0	0	24.15	14	62.24	0.9	0.33	4.02	111.66	0	0.87	303.94	40	62.24
754	4	5.38E-08	6.35E-05	4	11.59	0	0	0	0	25.17	14	65.05	0.94	0.33	4.2	114.01	0	0.9	283.73	40	65.05
755	5	6.33E-08	8.51E-05	5	13.19	0	0	0	0	26.14	14	69.56	1	0.33	4.47	116.17	0	0.94	283.24	40	69.56
756	4	8.31E-08	1.26E-04	5	14.85	0	0	0	0	27.11	14	75.78	1.09	0.33	4.84	118.3	0	0.98	295.47	40	75.78
757	4	9.71E-08	1.56E-04	5	15.74	0	0	0	0	27.93	14	80.31	1.15	0.33	5.1	120.09	0	1.02	298.1	40	80.31
758	4	1.15E-07	1.95E-04	5	16.66	0	0	0	0	28.66	14	84.99	1.22	0.33	5.38	121.64	0	1.05	304.7	40	84.99
759	4	1.23E-07	2.15E-04	5	17.15	0	0	0	0	29.15	14	87.49	1.25	0.33	5.52	122.68	0	1.07	304.04	40	87.49
760	6	1.36E-07	2.46E-04	6	17.71	0	0	0	0	29.56	14	90.38	1.29	0.33	5.68	123.55	0	1.09	308.96	40	90.38
761	4	1.38E-07	2.53E-04	6	17.95	0	0	0	0	29.89	14	91.61	1.31	0.33	5.75	124.23	0	1.1	305.36	40	91.61
762	5	1.56E-07	2.90E-04	6	18.27	22	33	23.74	29.75	0	0	0	0	0.33	0	123.93	-0.01	0	0	44.69	

763	7.63	1.34	13	5	1.72E-07	3.24E-04	6	18.45	23	32	23.54	29.5	0	0	0	0.33	0	123.42	-0.01	0	0	40	44.51
764	7.64	1.34	12.8	5	1.74E-07	3.27E-04	6	18.41	23	32	23.45	29.39	0	0	0	0.33	0	123.18	-0.01	0	0	40	44.5
765	7.65	1.32	14.1	4	1.49E-07	2.78E-04	6	18.35	0	0	0	30.16	14	93.64	1.33	0.33	5.85	124.78	0	1.11	311.44	40	93.64
766	7.66	1.33	17.3	4	1.30E-07	2.57E-04	6	19.33	0	0	0	32.52	14	98.63	1.4	0.33	6.17	129.57	0	1.15	261.71	40	98.63
767	7.67	1.54	24	4	1.35E-07	3.00E-04	7	21.79	0	0	0	36.43	14	111.18	1.58	0.33	6.94	137.14	0	1.24	222.06	40	111.18
768	7.68	1.82	32.3	4	1.27E-07	3.13E-04	7	24.17	0	0	0	40.84	14	123.31	1.75	0.33	7.7	145.21	0	1.33	184.4	40	123.31
769	7.69	1.82	42	4	1.07E-07	2.80E-04	8	25.56	0	0	0	44.53	14	130.41	1.85	0.33	8.16	151.64	0	1.38	155.1	40	130.41
770	7.7	1.82	49.3	4	1.41E-07	4.16E-04	9	28.93	0	0	0	47.97	14	147.6	2.09	0.33	9.17	157.38	0	1.48	154.32	40	147.6
771	7.71	2.59	49.3	4	1.94E-07	6.57E-04	10	33.24	0	0	0	52.04	14	169.59	2.39	0.33	10.47	163.92	0	1.62	154.56	40	169.59
772	7.72	2.83	62.7	5	2.68E-07	1.04E-03	10	37.99	32	36	44.76	56.1	0	0	0	0.33	0	170.19	-0.09	0	0	40	52.42
773	7.73	2.95	69.9	4	2.39E-07	9.64E-04	11	39.54	0	0	0	59.6	14	201.75	2.84	0.33	12.37	175.42	0	1	140.69	0	201.75
774	7.74	2.98	78.2	4	2.20E-07	9.04E-04	11	40.41	0	0	0	61.86	14	206.16	2.9	0.33	12.65	178.71	0	1	131.3	0	206.16
775	7.75	3.03	82.7	4	2.05E-07	8.64E-04	12	41.33	0	0	0	64.05	14	210.88	2.96	0.33	12.94	181.86	0	1	123.7	0	210.88
776	7.76	3.12	89.7	4	2.08E-07	9.10E-04	12	42.92	0	0	0	66.34	14	216.97	3.07	0.33	13.42	185.08	0	1	119.62	0	216.97
777	7.77	3.27	96.7	4	2.18E-07	1.00E-03	13	45.11	0	0	0	69.12	14	230.14	3.22	0.33	14.08	188.92	0	1.96	116.21	40	230.14
778	7.78	3.43	104.7	4	2.16E-07	1.03E-03	13	46.79	0	0	0	71.85	14	238.72	3.34	0.33	14.59	192.61	0	2	111.23	40	238.72
779	7.79	3.43	114.1	4	2.46E-07	1.25E-03	14	49.8	0	0	0	74.68	14	254.08	3.55	0.33	15.47	196.36	0	2.08	111.32	40	254.08
780	7.8	3.91	116.7	4	2.86E-07	1.52E-03	14	52.23	0	0	0	76.23	14	266.48	3.72	0.33	16.17	198.39	0	2.14	114.17	40	266.48
781	7.81	3.96	112.3	5	3.52E-07	1.97E-03	15	54.79	38	38	61.45	77.01	0	0	0	0.33	0	199.4	-0.13	0	0	40	56.88
782	7.82	3.99	111.9	5	3.55E-07	1.99E-03	15	54.98	38	38	61.58	77.18	0	0	0	0.33	0	199.62	-0.13	0	0	40	56.95
783	7.83	3.97	117.5	5	3.44E-07	1.94E-03	15	55.42	38	39	62.41	78.22	0	0	0	0.33	0	200.97	-0.14	0	0	40	57.24
784	7.84	4.09	122.8	4	3.31E-07	1.91E-03	15	56.5	0	0	0	80.28	14	288.28	4	0.33	17.37	203.6	0	1	113.73	0	288.28
785	7.85	4.26	132.3	4	3.60E-07	2.15E-03	16	58.78	0	0	0	82.3	14	299.9	4.16	0.33	18.02	206.13	0	1	113.8	0	299.9
786	7.86	4.48	132.3	4	3.58E-07	2.26E-03	16	61.76	0	0	0	86.52	14	315.09	4.36	0.33	18.92	211.35	0	1	108.24	0	315.09
787	7.87	4.76	163.3	4	3.70E-07	2.45E-03	17	65	0	0	0	90.52	14	331.61	4.58	0.33	19.88	216.19	0	1	104.67	0	331.61
788	7.88	5.01	170.1	4	3.55E-07	2.44E-03	18	67.41	0	0	0	94.6	14	343.92	4.75	0.33	20.61	221.01	0	1	99.76	0	343.92
789	7.89	5.07	176.4	4	3.58E-07	2.51E-03	18	68.84	0	0	0	96.44	14	351.2	4.84	0.33	21.02	223.14	0	1	97.76	0	351.2
790	7.9	5.12	181.6	4	3.49E-07	2.47E-03	18	69.4	0	0	0	97.71	14	354.06	4.88	0.33	21.18	224.61	0	1	95.87	0	354.06
791	7.91	5.16	184.9	4	3.11E-07	2.19E-03	18	69.19	0	0	0	99.48	14	353.02	4.86	0.33	21.14	226.64	0	1	91.18	0	353.02
792	7.92	5.03	202.6	4	2.41E-07	1.67E-03	18	67.66	0	0	0	101.81	14	345.22	4.74	0.33	20.75	229.28	0	1	82.93	0	345.22
793	7.93	4.8	224.4	4	1.79E-07	1.20E-03	19	65.96	0	0	0	104.82	14	336.55	4.62	0.33	20.31	232.63	0	1	73.98	0	336.55
794	7.94	4.8	241.7	4	1.29E-07	8.36E-04	18	63.52	0	0	0	107.03	14	324.07	4.44	0.33	19.65	235.07	0	1	66.08	0	324.07
795	7.95	4.51	254.8	4	1.14E-07	7.36E-04	19	63.3	0	0	0	109.09	14	322.95	4.42	0.33	19.61	237.33	0	1	63.72	0	322.95
796	7.96	4.75	260.4	4	1.29E-07	7.21E-04	19	64.12	0	0	0	111.19	14	327.16	4.47	0.33	19.85	239.6	0	1	61.15	0	327.16
797	7.97	4.97	271.3	4	1.29E-07	8.93E-04	20	67.97	0	0	0	114.59	14	346.81	4.73	0.33	20.97	243.23	0	1	62.45	0	346.81
798	7.98	5.33	284.7	4	1.49E-07	1.09E-03	20	71.73	0	0	0	117.82	14	365.97	4.99	0.33	22.04	246.65	0	1	63.67	0	365.97
799	7.99	5.55	289	9	1.69E-07	1.29E-03	21	74.9	0	0	0	120.16	14	382.16	5.2	0.33	22.94	249.08	0	1	65.12	0	382.16
800	8	5.65	289	9	1.55E-07	1.19E-03	21	75.05	0	0	0	122.3	14	382.91	5.21	0.33	23	251.28	0	1	62.63	0	382.91
801	8.01	5.36	320.7	9	1.24E-07	9.15E-04	21	72.22	0	0	0	122.54	14	368.49	5.01	0.33	22.19	251.54	0	1	58.64	0	368.49
802	8.02	4.95	314.1	9	9.78E-08	6.88E-04	20	69.06	0	0	0	122.38	14	352.34	4.78	0.33	21.29	251.37	0	1	54.79	0	352.34
803	8.03	4.97	310.6	9	9.27E-08	6.41E-04	20	67.88	0	0	0	121.46	14	346.34	4.69	0.33	20.92	250.42	0	1	54.32	0	346.34
804	8.04	5.11	312.5	9	1.10E-07	7.91E-04	21	70.68	0	0	0	122.64	14	360.59	4.88	0.33	21.7	251.63	0	1	56.67	0	360.59
805	8.05	5.54	312.2	9	1.66E-07	1.33E-03	22	78.17	0	0	0	125.81	14	398.84	5.39	0.33	23.8	254.87	0	1	62.69	0	398.84
806	8.06	6.58	310.5	9	3.21E-07	2.99E-03	24	91.27	0	0	0	130.45	14	465.66	6.29	0.33	27.45	259.52	0	1	73.73	0	465.66
807	8.07	7.91	305.7	9	5.30E-07	5.53E-03	26	102.33	0	0	0	133.54	14	522.09	7.04	0.33	30.49	262.58	0	1	83.79	0	522.09
808	8.08	7.91	299.8	4	6.70E-07	7.32E-03	26	107.23	0	0	0	134.17	14	547.11	7.37	0.33	31.79	263.19	0	1	89.39	0	547.11
809	8.09	7.63	294.2	4	5.39E-07	5.54E-03	25	100.77	0	0	0	131.12	14	514.12	6.92	0.33	29.95	260.19	0	1	85.6	0	514.12
810	8.1	6.53	288.9	4	3.58E-07	3.29E-03	24	90.11	0	0	0	126.27	14	459.74	6.18	0.33	26.94	255.34	0	1	78.44	0	459.74
811	8.11	5.63	278.5	4	1.89E-07	1.47E-03	21	75.91	0	0	0	119.35	14	387.29	5.2	0.33	22.92	248.24	0	1	68.37	0	387.29
812	8.12	4.59	265.3	4	1.03E-07	6.65E-04	19	63.36	0	0	0	111.24	14	323.27	4.33	0.33	19.3	239.66	0	1	60.8	0	323.27
813	8.13	3.84	237.8	3	5.97E-08	3.18E-04	16	52.34	0	0	0	101.42	14	267.04	3.57	0.33	16.07	228.83	0	1	56.22	0	267.04

865	8.65	1.35	19.9	4	4.93E-08	8.36E-05	6	16.64	0	0	0	0	33.38	14	84.9	1.07	0.33	4.84	131.28	0	1	210.46	0	84.9
866	8.66	1.34	20.4	4	4.73E-08	8.01E-05	6	16.62	0	0	0	0	33.59	14	84.8	1.07	0.33	4.84	131.69	0	1	205.7	0	84.8
867	8.67	1.34	20.3	4	4.65E-08	7.86E-05	6	16.6	0	0	0	0	33.66	14	84.7	1.06	0.33	4.83	131.82	0	1	204.11	0	84.7
868	8.68	1.34	20.3	4	4.70E-08	7.97E-05	6	16.65	0	0	0	0	33.7	14	84.97	1.07	0.33	4.84	131.91	0	1	204.76	0	84.97
869	8.69	1.35	20.4	4	4.72E-08	8.03E-05	6	16.71	0	0	0	0	33.78	14	85.23	1.07	0.33	4.85	132.06	0	1	204.72	0	85.23
870	8.7	1.35	20.5	4	4.72E-08	8.07E-05	6	16.75	0	0	0	0	33.87	14	85.48	1.07	0.33	4.85	132.23	0	1	204.31	0	85.48
871	8.71	1.35	20.6	4	5.20E-08	9.15E-05	6	17.25	0	0	0	0	34.25	14	87.99	1.1	0.33	4.99	132.98	0	1	207.94	0	87.99
872	8.72	1.42	21.1	4	5.57E-08	1.01E-04	6	17.83	0	0	0	0	34.98	14	90.97	1.14	0.33	5.14	134.39	0	1	206.37	0	90.97
873	8.73	1.43	23.1	4	5.92E-08	1.12E-04	6	18.61	0	0	0	0	36.11	14	94.97	1.18	0.33	5.36	136.55	0	1.11	200.87	35.78	94.97
874	8.74	1.47	25.3	4	6.01E-08	1.17E-04	6	19.13	0	0	0	0	37.02	14	97.59	1.22	0.33	5.5	138.25	0	1.12	194.65	36.65	97.59
875	8.75	1.51	25.3	4	6.55E-08	1.33E-04	7	19.97	0	0	0	0	38.06	14	101.9	1.27	0.33	5.73	140.17	0	1.13	192.54	37.67	101.9
876	8.76	1.59	27.2	4	8.22E-08	1.78E-04	7	21.22	0	0	0	0	38.8	14	108.25	1.34	0.33	6.07	141.53	0	1.16	202.46	38.77	108.25
877	8.77	1.71	26.1	4	1.08E-07	2.50E-04	7	22.74	0	0	0	0	39.56	14	116	1.44	0.33	6.47	142.93	0	1.19	216.11	39.71	116
878	8.78	1.82	25.6	4	1.46E-07	3.62E-04	7	24.23	0	0	0	0	39.92	14	123.64	1.53	0.33	6.87	143.57	0	1.23	236.97	40	123.64
879	8.79	1.9	25	5	1.79E-07	4.61E-04	8	25.31	25	34	32.09	40.22	0	0	0	144.1	-0.04	0	144.1	0	0	0	40	53.86
880	8.8	1.95	24.9	5	1.99E-07	5.26E-04	8	25.96	25	34	32.28	40.45	0	0	0	144.52	-0.03	0	144.52	0	0	0	40	53.85
881	8.81	1.96	25.3	5	2.00E-07	5.31E-04	8	26.13	25	34	32.47	40.7	0	0	0	144.95	-0.04	0	144.95	0	0	0	40	53.98
882	8.82	1.95	26	5	1.93E-07	5.13E-04	8	26.12	25	34	32.66	40.94	0	0	0	145.39	-0.04	0	145.39	0	0	0	40	54.16
883	8.83	1.95	26.4	5	1.91E-07	5.12E-04	8	26.3	25	34	32.94	41.29	0	0	0	146.01	-0.04	0	146.01	0	0	0	40	54.34
884	8.84	1.98	27	5	1.98E-07	5.37E-04	8	26.66	25	34	33.2	41.6	0	0	0	146.56	-0.04	0	146.56	0	0	0	40	54.45
885	8.85	2	27	5	2.10E-07	5.81E-04	8	27.15	26	34	33.43	41.89	0	0	0	147.07	-0.04	0	147.07	0	0	0	40	54.52
886	8.86	2.02	26.9	5	2.22E-07	6.20E-04	8	27.41	26	34	33.42	41.88	0	0	0	147.05	-0.04	0	147.05	0	0	0	40	54.49
887	8.87	2.02	26.1	5	2.37E-07	6.66E-04	8	27.56	26	34	33.2	41.61	0	0	0	146.57	-0.04	0	146.57	0	0	0	40	54.36
888	8.88	2.02	24.7	5	2.53E-07	7.06E-04	8	27.44	26	34	32.68	40.96	0	0	0	145.42	-0.03	0	145.42	0	0	0	40	54.1
889	8.89	1.99	22.9	5	2.62E-07	7.26E-04	8	27.23	26	33	32.22	40.38	0	0	0	144.39	-0.03	0	144.39	0	0	0	40	53.9
890	8.9	1.97	22.9	5	2.61E-07	7.18E-04	8	26.8	25	33	31.89	39.96	0	0	0	143.65	-0.03	0	143.65	0	0	0	40	53.81
891	8.91	1.95	22.7	5	2.59E-07	7.08E-04	8	26.61	25	33	31.76	39.81	0	0	0	143.37	-0.03	0	143.37	0	0	0	40	53.81
892	8.92	1.95	22.2	5	2.58E-07	7.01E-04	8	26.51	25	33	31.56	39.55	0	0	0	142.91	-0.03	0	142.91	0	0	0	40	53.77
893	8.93	1.92	21.7	5	2.59E-07	7.01E-04	8	26.31	25	33	31.42	39.38	0	0	0	142.6	-0.03	0	142.6	0	0	0	40	53.75
894	8.94	1.92	21.8	5	2.53E-07	6.80E-04	8	26.25	25	33	31.34	39.28	0	0	0	142.41	-0.03	0	142.41	0	0	0	40	53.79
895	8.95	1.9	21.9	5	2.47E-07	6.62E-04	8	26.25	25	33	31.38	39.33	0	0	0	142.5	-0.03	0	142.5	0	0	0	40	53.89
896	8.96	1.89	22.1	5	2.38E-07	6.35E-04	8	26.13	25	33	31.45	39.41	0	0	0	142.65	-0.03	0	142.65	0	0	0	40	54.01
897	8.97	1.89	22.5	5	2.31E-07	6.14E-04	8	26.09	25	33	31.58	39.58	0	0	0	143.31	-0.03	0	143.31	0	0	0	40	54.16
898	8.98	1.89	22.9	5	2.31E-07	6.16E-04	8	26.21	25	33	31.74	39.78	0	0	0	143.1	-0.03	0	143.1	0	0	0	40	54.28
899	8.99	1.91	22.9	5	2.37E-07	6.39E-04	8	26.47	25	33	31.88	39.96	0	0	0	143.63	-0.03	0	143.63	0	0	0	40	54.36
900	9	1.93	22.9	5	2.46E-07	6.70E-04	8	26.7	25	33	31.94	40.03	0	0	0	143.77	-0.03	0	143.77	0	0	0	40	54.38
901	9.01	1.93	22.7	5	2.49E-07	6.79E-04	8	26.7	25	33	31.86	39.94	0	0	0	143.6	-0.03	0	143.6	0	0	0	40	54.38
902	9.02	1.91	22.2	5	2.49E-07	6.72E-04	8	26.53	25	33	31.68	39.71	0	0	0	143.18	-0.03	0	143.18	0	0	0	40	54.35
903	9.03	1.9	21.8	5	2.47E-07	6.61E-04	8	26.29	25	33	31.45	39.41	0	0	0	142.65	-0.02	0	142.65	0	0	0	40	54.3
904	9.04	1.88	21.4	5	2.45E-07	6.52E-04	8	26.1	25	33	31.25	39.17	0	0	0	142.21	-0.02	0	142.21	0	0	0	40	54.26
905	9.05	1.87	21.1	5	2.41E-07	6.36E-04	7	25.91	25	33	31.12	39.01	0	0	0	141.92	-0.02	0	141.92	0	0	0	40	54.28
906	9.06	1.86	21.2	5	2.37E-07	6.25E-04	8	25.88	25	33	31.18	39.08	0	0	0	142.05	-0.02	0	142.05	0	0	0	40	54.37
907	9.07	1.87	21.8	5	2.19E-07	5.77E-04	8	25.91	25	33	31.67	39.69	0	0	0	143.15	-0.03	0	143.15	0	0	0	40	54.74
908	9.08	1.86	24.6	5	2.07E-07	5.50E-04	8	26.06	25	33	32.17	40.32	0	0	0	144.28	-0.03	0	144.28	0	0	0	40	55.09
909	9.09	1.87	24.6	4	1.33E-07	3.56E-04	8	26.35	0	0	0	44.19	14	134.44	1.61	0.33	7.25	151.05	0	1.28	205.65	40	134.44	
910	9.1	1.91	46.9	4	8.69E-08	2.39E-04	9	26.96	0	0	0	48.8	14	137.54	1.64	0.33	7.45	158.73	0	1.3	156.01	40	137.54	
911	9.11	1.98	58.1	4	5.99E-08	1.72E-04	9	28.13	0	0	0	54.46	14	143.51	1.71	0.33	7.79	167.69	0	1.34	120.41	40	143.51	
912	9.12	2.11	70.2	4	5.94E-08	1.82E-04	10	30.05	0	0	0	58.28	14	153.33	1.83	0.33	8.32	173.47	0	1.39	110.65	40	153.33	
913	9.13	2.3	75.4	4	7.37E-08	2.49E-04	11	33.21	0	0	0	61.93	14	169.42	2.02	0.33	9.16	178.82	0	1.48	110.15	40	169.42	
914	9.14	2.63	80.5	4	1.03E-07	3.88E-04	11	36.8	0	0	0	64.56	14	187.78	2.24	0.33	10.11	182.58	0	1.58	116.52	40	187.78	
915	9.15	2.88	81	4	1.34E-07	5.41E-04	12	39.47	0	0	0	66.03	14	201.36	2.39	0.33	10.8	184.64	0	1.65	123.13	40	201.36	

916	9.16	2.94	78.9	4	1.54E-07	6.39E-04	0	0	0	66.21	14	207.05	2.46	0.33	11.08	184.89	0	1.68	128.21	40	207.05
917	9.17	2.94	77.5	4	1.26E-07	4.92E-04	0	0	0	64.98	14	195.83	2.32	0.33	10.49	183.17	0	1.62	123.23	40	195.83
918	9.18	2.53	77.2	4	9.01E-08	3.25E-04	0	0	0	63.58	14	180.39	2.14	0.33	9.69	181.19	0	1.54	114.25	40	180.39
919	9.19	2.39	77.4	4	5.48E-08	1.76E-04	0	0	0	61.83	14	160.33	1.9	0.33	8.65	178.67	0	1	101.5	0	160.33
920	9.2	2.17	77.6	4	4.20E-08	1.26E-04	0	0	0	60.67	14	149.93	1.77	0.33	8.1	176.98	0	1.39	95.78	37.93	149.93
921	9.21	2.07	75.1	4	3.61E-08	1.04E-04	0	0	0	59.79	14	143.76	1.7	0.33	7.77	175.7	0	1.33	93.09	39.94	143.76
922	9.22	2.06	74.3	4	3.73E-08	1.07E-04	0	0	0	59.17	14	143.1	1.69	0.33	7.72	174.78	0	1.33	95.31	40	143.1
923	9.23	2.08	71.3	4	4.51E-08	1.34E-04	0	0	0	59.37	14	148.59	1.75	0.33	8	175.09	0	1.36	100.7	40	148.59
924	9.24	2.25	71.3	4	6.19E-08	1.93E-04	0	0	0	59.02	14	156.42	1.84	0.33	8.38	174.57	0	1.4	111.95	40	156.42
925	9.25	2.34	62.8	4	9.05E-08	2.98E-04	0	0	0	58.04	14	164.79	1.94	0.33	8.79	173.11	0	1.44	128.72	40	164.79
926	9.26	2.4	54.1	4	1.29E-07	4.33E-04	0	0	0	55.77	14	168.74	1.98	0.33	8.96	169.7	0	1.46	151.25	40	168.74
927	9.27	2.39	47.1	4	1.68E-07	5.69E-04	0	0	0	53.25	14	169.15	1.99	0.33	8.95	165.81	0	1.46	175.36	40	169.15
928	9.28	2.35	40.6	4	1.93E-07	6.35E-04	0	0	0	50.71	14	165.03	1.94	0.33	8.72	161.8	0	1.44	195.95	40	165.03
929	9.29	2.23	36.1	4	1.98E-07	6.31E-04	0	0	0	48.68	14	159.29	1.87	0.33	8.4	158.54	0	1.4	209.81	40	159.29
930	9.3	2.17	34.9	4	1.80E-07	5.45E-04	0	0	0	47.1	14	151.47	1.77	0.33	7.99	155.95	0	1.36	213.48	40	151.47
931	9.31	2.04	33.3	4	1.64E-07	4.80E-04	0	0	0	46.43	14	146.76	1.72	0.33	7.74	154.83	0	1.33	211.5	40	146.76
932	9.32	2.04	33.8	4	1.42E-07	3.98E-04	0	0	0	45.66	14	140.6	1.64	0.33	7.42	153.54	0	1.3	206.88	40	140.6
933	9.33	1.87	32.8	4	1.10E-07	3.03E-04	0	0	0	46.73	14	137.52	1.6	0.33	7.27	155.34	0	1.28	184.45	40	137.52
934	9.34	1.87	43	4	6.96E-08	1.89E-04	0	0	0	50.18	14	135.86	1.58	0.33	7.2	160.96	0	1.27	144.41	40	135.86
935	9.35	1.92	62.5	4	6.21E-08	1.79E-04	0	0	0	54.28	14	143.98	1.68	0.33	7.63	167.41	0	1.32	125.98	40	143.98
936	9.36	2.17	62.5	4	4.72E-08	1.61E-04	0	0	0	67.87	14	171.26	1.99	0.33	9.09	187.19	0	1.48	88.86	40	171.26
937	9.37	2.94	158.3	4	8.67E-08	4.10E-04	0	0	0	84.08	14	236.88	2.75	0.33	12.5	208.35	0	1.81	84.74	40	236.88
938	9.38	4.59	190.1	4	1.93E-07	1.32E-03	0	0	0	105	14	341.96	3.97	0.33	17.9	232.84	0	2.28	86.06	40	341.96
939	9.39	6.54	235.7	4	4.35E-07	3.98E-03	0	0	0	121.6	14	458.6	5.31	0.33	23.81	250.57	0	2.74	95.03	40	458.6
940	9.4	7.9	283.6	5	7.77E-07	9.00E-03	51	41	110.38	138.34	0	0	0	0.33	0	267.26	-0.19	0	0	40	75.03
941	9.41	9.81	330.3	5	1.20E-06	1.67E-02	56	42	122.98	154.13	0	0	0	0.33	0	282.1	-0.2	0	0	0	76.6
942	9.42	11.76	376.2	5	1.72E-06	2.80E-02	66	42	134.17	168.16	0	0	0	0.33	0	294.66	-0.21	0	0	0	77.97
943	9.43	12.93	409.2	5	2.03E-06	5.85E-02	63	42	141.61	177.48	0	0	0	0.33	0	302.72	-0.22	0	0	0	78.95
944	9.44	12.93	421.7	8	1.77E-06	3.14E-02	63	43	146.11	183.12	0	0	0	0.33	0	307.49	-0.22	0	0	0	79.71
945	9.45	12.05	461.7	8	1.23E-06	2.08E-02	61	43	147.36	184.69	0	0	0	0.33	0	308.8	-0.22	0	0	0	80.26
946	9.46	10.89	476.3	9	8.30E-07	1.30E-02	0	0	0	185.3	14	785.5	9.04	0.33	40.33	309.31	0	1	81.17	0	785.5
947	9.47	10.6	484.6	9	6.21E-07	9.17E-03	0	0	0	183.96	14	739.9	8.5	0.33	38.04	308.19	0	1	75.24	0	739.9
948	9.48	10.13	484.6	9	5.32E-07	7.63E-03	0	0	0	183.55	14	717.96	8.24	0.33	36.93	307.85	0	1	72.21	0	717.96
949	9.49	9.97	492.3	9	5.02E-07	7.11E-03	0	0	0	183.18	14	709.1	8.13	0.33	36.46	307.54	0	1	71.21	0	709.1
950	9.5	10.22	487	9	5.81E-07	8.55E-03	0	0	0	185.34	14	736.6	8.44	0.33	37.8	309.34	0	1	73.59	0	736.6
951	9.51	11.28	492.2	9	7.41E-07	1.14E-02	0	0	0	185.83	14	771.86	8.83	0.33	39.5	309.75	0	1	78.71	0	771.86
952	9.52	11.44	462.4	9	9.04E-07	1.43E-02	0	0	0	184.14	14	792.79	9.06	0.33	40.47	308.34	0	1	83.84	0	792.79
953	9.53	11.09	435.4	8	1.06E-06	1.68E-02	59	43	142.05	178.03	0	0	0	0.33	0	303.19	-0.22	0	0	0	80.26
954	9.54	11.12	390	8	1.21E-06	1.93E-02	59	42	139.66	175.04	0	0	0	0.33	0	300.63	-0.22	0	0	0	79.86
955	9.55	11.64	407.1	8	1.15E-06	1.86E-02	60	43	143.49	179.84	0	0	0	0.33	0	304.72	-0.22	0	0	0	80.51
956	9.56	11.64	502.2	8	1.23E-06	2.18E-02	62	43	155.22	194.54	0	0	0	0.33	0	316.93	-0.23	0	0	0	82.05
957	9.57	14.3	570	8	1.54E-06	3.05E-02	66	43	167.12	209.45	0	0	0	0.33	0	328.85	-0.24	0	0	0	83.38
958	9.58	15.98	570	8	2.26E-06	8.41E-02	71	44	182.94	229.28	0	0	0	0.33	0	344.07	-0.25	0	0	0	85
959	9.59	18.65	701.9	8	2.91E-06	1.16E-01	75	44	195.95	245.59	0	0	0	0.33	0	356.09	-0.26	0	0	0	86.37
960	9.6	20.16	741.2	8	3.97E-06	1.76E-01	82	45	217.32	272.38	0	0	0	0.33	0	375.01	-0.27	0	0	0	88.57
961	9.61	25.49	869.3	8	6.73E-06	3.22E-01	89	46	234.52	293.94	0	0	0	0.33	0	389.57	-0.28	0	0	0	90.42
962	9.62	30.84	869.3	8	1.22E-05	6.27E-01	97	46	251.36	315.04	0	0	0	0.33	0	403.31	-0.3	0	0	0	92.54
963	9.63	35.13	869.3	8	2.28E-05	1.18E+00	100	47	254.85	319.42	0	0	0	0.33	0	406.1	-0.31	0	0	0	93.82
964	9.64	37.89	766.7	8	3.28E-05	1.73E+00	100	47	258.92	324.51	0	0	0	0.33	0	409.33	-0.31	0	0	0	94.91
965	9.65	39.77	839.7	8	3.49E-05	1.90E+00	100	47	266.7	334.26	0	0	0	0.33	0	415.43	-0.32	0	0	0	95.78
966	9.66	39.77	969.3	8	1.86E-05	1.04E+00	100	47	274.54	344.09	0	0	0	0.33	0	421.5	-0.31	0	0	0	95.44

1018	10.18	23.46	1374.1	9	1.54E-06	5.50E-02	349.24	0	0	0	375.63	14	1781.83	19.05	0.33	86.21	440.39	0	0	1	63.72	0	1781.83
1019	10.19	25.53	1336.3	9	1.40E-06	4.78E-02	334.91	0	0	0	366.71	14	1708.73	18.25	0.33	82.65	435.13	0	0	1	62.83	0	1708.73
1020	10.2	23.36	1287.5	9	1.44E-06	4.88E-02	332.6	0	0	0	362.3	14	1696.93	18.1	0.33	82.01	432.51	0	0	1	63.78	0	1696.93
1021	10.21	22.97	1287.5	9	1.32E-06	4.29E-02	318.55	0	0	0	352.45	14	1625.23	17.32	0.33	78.52	426.59	0	0	1	63.25	0	1625.23
1022	10.22	22.53	1202.5	9	1.30E-06	4.16E-02	313.19	0	0	0	347.36	14	1597.9	17.01	0.33	77.14	423.5	0	0	1	63.55	0	1597.9
1023	10.23	22.21	1206.1	9	1.34E-06	4.23E-02	309.62	0	0	0	341.64	14	1579.72	16.8	0.33	76.2	419.99	0	0	1	64.69	0	1579.72
1024	10.24	22.21	1181.2	9	1.32E-06	4.10E-02	305.51	0	0	0	338.21	14	1558.73	16.56	0.33	75.14	417.88	0	0	1	64.76	0	1558.73
1025	10.25	21.64	1151	9	1.32E-06	4.06E-02	301.79	0	0	0	333.96	14	1539.72	16.35	0.33	74.17	415.25	0	0	1	65.29	0	1539.72
1026	10.26	21.41	1134.3	9	1.35E-06	4.13E-02	298.98	0	0	0	329.3	14	1525.39	16.18	0.33	73.42	412.34	0	0	1	66.33	0	1525.39
1027	10.27	21.61	1095.4	9	1.32E-06	3.97E-02	294.25	0	0	0	325.48	14	1501.29	15.91	0.33	72.21	409.94	0	0	1	66.37	0	1501.29
1028	10.28	20.63	1095.4	9	1.31E-06	3.89E-02	290.62	0	0	0	321.88	14	1482.74	15.69	0.33	71.27	407.67	0	0	1	66.7	0	1482.74
1029	10.29	20.63	1077.1	9	1.18E-06	3.38E-02	280.44	0	0	0	316.65	14	1430.83	15.13	0.33	68.75	404.34	0	0	1	65.41	0	1430.83
1030	10.3	19.43	1043	9	1.11E-06	3.06E-02	270.98	0	0	0	309.48	14	1382.53	14.61	0.33	66.4	399.74	0	0	1	65.19	0	1382.53
1031	10.31	18.6	997.6	9	1.16E-06	3.20E-02	269.67	0	0	0	305.31	14	1375.86	14.52	0.33	66.01	397.03	0	0	1	66.64	0	1375.86
1032	10.32	20.35	994.6	9	1.35E-06	3.81E-02	277.74	0	0	0	306.28	14	1417.02	14.94	0.33	67.9	397.66	0	0	1	69.27	0	1417.02
1033	10.33	21.16	1014.7	9	1.93E-06	9.86E-02	501.38	0	0	0	314.2	14	1551.53	16.34	0.33	74.2	402.77	0	0	1	75.42	0	1551.53
1034	10.34	24.25	1014.7	8	2.63E-06	1.38E-01	515.69	84	46	257.84	323.16	0	0	0	0.33	0	408.48	0	0	0	0	0	98.25
1035	10.35	26.09	1038.2	8	3.42E-06	1.84E-01	525.94	86	46	262.97	329.59	0	0	0	0.33	0	412.52	0	0	0	0	0	98.73
1036	10.36	26.09	1031.1	8	4.48E-06	2.44E-01	533.5	89	46	266.75	334.32	0	0	0	0.33	0	415.47	0	0	0	0	0	99.17
1037	10.37	29.2	1002.4	8	5.43E-06	2.94E-01	530.28	90	46	265.14	332.31	0	0	0	0.33	0	414.22	0	0	0	0	0	99.16
1038	10.38	28.44	952.2	8	5.54E-06	2.95E-01	522.06	90	46	261.03	327.16	0	0	0	0.33	0	411	0	0	0	0	0	98.88
1039	10.39	25.08	952.2	8	4.55E-06	2.34E-01	504.75	87	46	252.38	316.31	0	0	0	0.33	0	404.12	0	0	0	0	0	97.47
1040	10.4	23.71	902.7	8	3.45E-06	1.73E-01	490.31	83	46	245.16	307.26	0	0	0	0.33	0	398.3	0	0	0	0	0	97.16
1041	10.41	22.62	896.3	8	3.13E-06	1.54E-01	481.9	82	45	240.95	301.99	0	0	0	0.33	0	394.87	0	0	0	0	0	97.3
1042	10.42	22.62	901.6	8	3.15E-06	1.55E-01	483.31	82	45	241.66	302.88	0	0	0	0.33	0	395.45	0	0	0	0	0	97.84
1043	10.43	24	912.4	8	3.87E-06	1.94E-01	493.17	84	46	246.59	309.06	0	0	0	0.33	0	399.46	0	0	0	0	0	98.62
1044	10.44	26.68	929.7	8	5.38E-06	2.77E-01	506.35	88	46	253.18	317.32	0	0	0	0.33	0	404.77	0	0	0	0	0	99.21
1045	10.45	29.12	929.7	8	6.74E-06	3.53E-01	514.46	90	46	257.23	322.4	0	0	0	0.33	0	407.99	0	0	0	0	0	99.4
1046	10.46	28.66	920.5	8	7.65E-06	4.01E-01	514.67	91	46	257.34	322.53	0	0	0	0.33	0	408.08	0	0	0	0	0	99.46
1047	10.47	28.66	906.8	8	8.18E-06	4.28E-01	513.06	92	46	256.53	321.52	0	0	0	0.33	0	407.44	0	0	0	0	0	99.73
1048	10.48	29.9	897.5	8	9.25E-06	4.85E-01	514.47	93	46	257.23	322.4	0	0	0	0.33	0	408	0	0	0	0	0	100.06
1049	10.49	30.84	899.5	8	9.13E-06	4.84E-01	520.19	93	46	260.1	325.99	0	0	0	0.33	0	410.26	0	0	0	0	0	99.99
1050	10.5	29.45	946.6	8	7.68E-06	4.06E-01	520.6	92	46	260.3	326.24	0	0	0	0.33	0	410.42	0	0	0	0	0	99.95
1051	10.51	27.17	946.6	8	5.55E-06	2.96E-01	522.8	89	46	261.4	327.62	0	0	0	0.33	0	411.28	0	0	0	0	0	99.91
1052	10.52	26.28	1005.3	8	4.52E-06	2.40E-01	521.68	88	46	260.84	326.92	0	0	0	0.33	0	410.85	0	0	0	0	0	99.57
1053	10.53	26.28	993.2	8	3.57E-06	1.88E-01	517.62	85	46	258.81	324.37	0	0	0	0.33	0	409.24	0	0	0	0	0	99.35
1054	10.54	23.27	975.8	8	3.24E-06	1.69E-01	511.47	84	46	255.74	320.52	0	0	0	0.33	0	406.81	0	0	0	0	0	98.27
1055	10.55	24.08	975.8	8	2.76E-06	1.42E-01	504.24	82	46	252.12	315.99	0	0	0	0.33	0	403.92	0	0	0	0	0	98.93
1056	10.56	23.18	970.7	8	2.55E-06	1.30E-01	500.44	81	46	250.22	313.61	0	0	0	0.33	0	402.39	0	0	0	0	0	98.27
1057	10.57	21.78	960.9	8	2.12E-06	1.06E-01	489.67	79	46	244.83	306.86	0	0	0	0.33	0	398.04	0	0	0	0	0	1476.5
1058	10.58	20.43	924.6	9	1.83E-06	5.41E-02	489.39	0	0	0	301.75	14	1476.5	15.19	0.33	69.4	394.71	0	0	1	77.01	0	1476.5
1059	10.59	20.43	932.8	9	1.90E-06	9.27E-02	479.09	0	0	0	300.23	14	1478.22	15.19	0.33	69.43	393.72	0	0	1	78.02	0	1478.22
1060	10.6	21.86	927.8	8	2.03E-06	9.97E-02	482.41	78	45	241.2	302.31	0	0	0	0.33	0	395.08	0	0	0	0	0	98.83
1061	10.61	21.61	936.7	9	1.91E-06	9.38E-02	481.28	0	0	0	301.6	14	1487.07	15.25	0.33	69.74	394.61	0	0	1	78.04	0	1487.07
1062	10.62	19.61	936.7	9	1.60E-06	4.57E-02	480.98	0	0	0	300.41	14	1433.58	14.69	0.33	67.21	393.84	0	0	1	74.45	0	1433.58
1063	10.63	19.61	957.2	9	1.28E-06	3.51E-02	487.98	0	0	0	298	14	1367.24	14	0.33	64.09	392.25	0	0	1	70.49	0	1367.24
1064	10.64	18.83	957.2	9	1.50E-06	4.05E-02	464.59	0	0	0	286.01	14	1349.93	13.81	0.33	63.21	384.28	0	0	1	75.55	0	1349.93
1065	10.65	18.88	712.3	9	1.64E-06	4.32E-02	458.94	0	0	0	275.56	14	1321.13	13.5	0.33	61.81	377.19	0	0	1	79.26	0	1321.13
1066	10.66	18.4	780.6	8	1.77E-06	4.59E-02	454.68	73	45	213.26	267.28	0	0	0	0.33	0	371.49	0	0	0	-0.26	0	96.49
1067	10.67	17.91	819.2	9	1.46E-06	3.77E-02	453.49	0	0	0	275.48	14	1293.32	13.19	0.33	60.44	377.14	0	0	1	76.85	0	1293.32
1068	10.68	18.63	874.2	9	1.26E-06	3.25E-02	452.35	0	0	0	281.47	14	1287.52	13.12	0.33	60.14	381.22	0	0	1	72.89	0	1287.52

1069	10.69	18.16	903.3	9	1.15E-06	2.98E-02	59	253.49	0	0	0	287.37	14	1293.32	13.16	0.33	60.38	385.2	0	1	70.2	0	1293.32
1070	10.7	18.16	930.6	9	1.23E-06	3.28E-02	60	260.85	0	0	0	292.23	14	1330.87	13.53	0.33	62.08	388.44	0	1	70.77	0	1330.87
1071	10.71	20.21	930.6	9	1.21E-06	3.34E-02	62	270.41	0	0	0	303.93	14	1379.65	14.02	0.33	64.31	396.14	0	1	68.76	0	1379.65
1072	10.72	20.21	1088.4	9	1.46E-06	4.34E-02	66	292.04	0	0	0	317.46	14	1489.99	15.12	0.33	69.38	404.86	0	1	70.5	0	1489.99
1073	10.73	22.79	1088	9	1.46E-06	4.49E-02	68	301.85	0	0	0	328.03	14	1540.06	15.62	0.33	71.66	411.54	0	1	69.2	0	1540.06
1074	10.74	23.31	1095.2	9	1.80E-06	5.81E-02	70	317.4	0	0	0	332.18	14	1619.39	16.41	0.33	75.28	414.14	0	1	72.78	0	1619.39
1075	10.75	23.54	1087.5	9	1.96E-06	1.06E-01	71	531.92	0	0	0	333.34	14	1651.36	16.72	0.33	76.71	414.86	0	1	74.47	0	1651.36
1076	10.76	24.13	1077.1	8	2.39E-06	1.31E-01	73	536.25	83	46	268.12	336.05	0	0	0	0.33	0	416.54	-0.29	0	0	0	102.54
1077	10.77	25.41	1074.6	8	2.70E-06	1.48E-01	74	538.97	84	46	269.48	337.75	0	0	0	0.33	0	417.6	-0.29	0	0	0	102.7
1078	10.78	25.53	1074.6	8	2.99E-06	1.64E-01	75	539.02	85	46	269.51	337.79	0	0	0	0.33	0	417.62	-0.29	0	0	0	102.75
1079	10.79	25.53	1045.2	8	2.86E-06	1.54E-01	73	527.55	84	46	263.78	330.6	0	0	0	0.33	0	413.15	-0.29	0	0	0	102.31
1080	10.8	23.22	979.4	8	2.45E-06	1.27E-01	70	509.6	81	46	254.8	319.35	0	0	0	0.33	0	406.06	-0.28	0	0	0	101.6
1081	10.81	21.04	951.2	9	1.88E-06	9.36E-02	65	487.49	0	0	0	305.49	14	1502.19	15.12	0.33	69.5	397.15	0	1	77.76	0	1502.19
1082	10.82	19.47	909.3	9	1.40E-06	3.82E-02	61	268.13	0	0	0	293.59	14	1368.02	13.76	0.33	63.27	389.34	0	1	73.45	0	1368.02
1083	10.83	17.58	877.3	9	1.09E-06	2.73E-02	57	245.28	0	0	0	280.84	14	1251.41	12.57	0.33	57.85	380.79	0	1	70.61	0	1251.41
1084	10.84	16.15	818.6	9	7.94E-07	1.80E-02	53	222.52	0	0	0	269.94	14	1135.3	11.4	0.33	52.46	373.33	0	1	66.37	0	1135.3
1085	10.85	14.59	818.6	9	7.66E-07	1.63E-02	50	208.55	0	0	0	254.67	14	1064.03	10.67	0.33	49.13	362.62	0	1	68.33	0	1064.03
1086	10.86	14.59	652	9	5.93E-07	1.14E-02	46	187.88	0	0	0	240.27	14	958.56	9.6	0.33	44.24	352.22	0	1	66.3	0	958.56
1087	10.87	11.72	654.8	9	4.90E-07	8.56E-03	43	171.37	0	0	0	226.88	14	874.33	8.75	0.33	40.33	342.26	0	1	65.51	0	874.33
1088	10.88	11.05	655.2	9	3.23E-07	5.10E-03	41	155	0	0	0	221.27	14	790.84	7.91	0.33	36.46	338	0	1	59.49	0	790.84
1089	10.89	11.08	644.2	9	3.15E-07	4.88E-03	40	152.22	0	0	0	218.34	14	776.63	7.76	0.33	35.78	335.76	0	1	59.66	0	776.63
1090	10.9	11.12	614.2	9	3.71E-07	5.91E-03	40	156.24	0	0	0	217.53	14	797.12	7.96	0.33	36.69	335.13	0	1	62.63	0	797.12
1091	10.91	11.91	612.5	9	4.75E-07	7.88E-03	41	162.65	0	0	0	216.53	14	829.83	8.28	0.33	38.16	334.36	0	1	67.31	0	829.83
1092	10.92	12.46	585.5	9	5.79E-07	9.97E-03	42	168.89	0	0	0	216.94	14	861.68	8.59	0.33	39.59	334.68	0	1	71.02	0	861.68
1093	10.93	12.46	585.5	9	6.35E-07	1.06E-02	40	164.33	0	0	0	207.58	14	838.42	8.35	0.33	38.49	327.38	0	1	75.3	0	838.42
1094	10.94	10.94	465.8	9	5.95E-07	9.31E-03	38	153.48	0	0	0	196.17	14	783.05	7.79	0.33	35.93	318.26	0	1	77.22	0	783.05
1095	10.95	10.13	439.4	9	5.14E-07	7.30E-03	35	139.26	0	0	0	182.75	14	710.52	7.06	0.33	32.58	307.18	0	1	78.41	0	710.52
1096	10.96	9.41	426.8	9	4.57E-07	6.17E-03	34	132.53	0	0	0	177.7	14	676.17	6.71	0.33	30.98	302.9	0	1	77.63	0	676.17
1097	10.97	9.5	414.2	9	4.18E-07	5.44E-03	33	127.68	0	0	0	173.97	14	651.45	6.46	0.33	29.83	299.71	0	1	77.09	0	651.45
1098	10.98	9.1	401.2	9	4.10E-07	5.21E-03	32	124.48	0	0	0	170.18	14	635.13	6.29	0.33	29.06	296.43	0	1	78.13	0	635.13
1099	10.99	8.73	379.6	9	4.00E-07	4.94E-03	31	121.26	0	0	0	166.57	14	618.69	6.13	0.33	28.28	293.26	0	1	78.99	0	618.69
1100	11	8.81	370.6	4	4.14E-07	5.06E-03	31	119.9	0	0	0	163.63	14	611.75	6.05	0.33	27.95	290.66	0	1	81.02	0	611.75
1101	11.01	8.81	359.8	4	3.95E-07	4.72E-03	30	117.14	0	0	0	161.24	14	597.66	5.91	0.33	27.28	288.53	0	1	80.99	0	597.66
1102	11.02	8.14	354.4	4	3.39E-07	3.88E-03	30	112.22	0	0	0	158.79	14	572.57	5.65	0.33	26.12	286.33	0	1	78.68	0	572.57
1103	11.03	7.75	355.5	4	2.86E-07	3.14E-03	29	107.67	0	0	0	157.1	14	549.35	5.42	0.33	25.04	284.8	0	1	75.8	0	549.35
1104	11.04	7.83	355.5	4	2.85E-07	3.16E-03	29	108.83	0	0	0	158.95	14	555.28	5.47	0.33	25.29	286.47	0	1	74.99	0	555.28
1105	11.05	8.39	377.5	9	3.20E-07	3.76E-03	30	115	0	0	0	164.42	14	586.76	5.78	0.33	26.7	291.36	0	1	75.37	0	586.76
1106	11.06	9.08	411.4	9	3.75E-07	4.76E-03	32	124.59	0	0	0	173.11	14	635.65	6.25	0.33	28.91	298.96	0	1	75.53	0	635.65
1107	11.07	9.89	448.2	9	4.65E-07	6.47E-03	35	136.59	0	0	0	182.55	14	698.89	6.85	0.33	31.67	307.01	0	1	76.86	0	698.89
1108	11.08	10.96	473.3	9	5.90E-07	8.95E-03	37	148.67	0	0	0	190.28	14	758.5	7.45	0.33	34.45	313.44	0	1	79.51	0	758.5
1109	11.09	11.66	480.8	9	7.47E-07	1.22E-02	39	159.73	0	0	0	195.91	14	814.93	8	0.33	36.99	318.04	0	1	83	0	814.93
1110	11.1	12.26	489.2	9	9.00E-07	1.54E-02	40	167.83	0	0	0	199.03	14	856.29	8.39	0.33	38.84	320.57	0	1	86.36	0	856.29
1111	11.11	12.7	487.5	8	1.01E-06	1.79E-02	41	172.65	59	43	159.85	200.35	0	0	0	0.33	0	321.63	-0.22	0	0	0	93.65
1112	11.12	12.7	480.5	8	1.09E-06	1.95E-02	41	175.14	59	43	160	200.53	0	0	0	0.33	0	321.77	-0.22	0	0	0	93.66
1113	11.13	12.79	480.5	8	1.03E-06	1.81E-02	41	172.19	59	42	158.98	199.25	0	0	0	0.33	0	320.75	-0.22	0	0	0	93.65
1114	11.14	12.06	478.5	9	8.64E-07	1.46E-02	40	165.53	0	0	0	197.76	14	844.53	8.25	0.33	38.2	319.54	0	1	86	0	844.53
1115	11.15	11.27	484.5	9	7.40E-07	1.20E-02	39	159.52	0	0	0	196.01	14	813.89	7.94	0.33	36.78	318.12	0	1	83.02	0	813.89
1116	11.16	11.5	478.4	9	6.42E-07	1.01E-02	38	154.29	0	0	0	194.51	14	787.2	7.68	0.33	35.55	316.9	0	1	80.35	0	787.2
1117	11.17	10.94	477.4	9	6.14E-07	9.47E-03	37	151.41	0	0	0	192.44	14	772.49	7.53	0.33	34.86	315.21	0	1	80.06	0	772.49
1118	11.18	10.65	462.7	9	6.26E-07	9.56E-03	37	149.76	0	0	0	189.67	14	764.07	7.44	0.33	34.45	312.94	0	1	81.46	0	764.07
1119	11.19	11.15	438.7	9	7.32E-07	1.13E-02	37	151.88	0	0	0	186.97	14	774.92	7.54	0.33	34.92	310.7	0	1	86.08	0	774.92

1120	11.2	11.4	422	8	8.55E-07	1.35E-02	37	155.37	56	42	148.4	185.99	0	0	0	0	0.33	0	309.89	-0.21	0	0	0	92.8
1121	11.21	11.4	430.5	8	1.05E-06	1.73E-02	38	161.32	57	42	148.45	186.06	0	0	0	0	0.33	0	309.95	-0.21	0	0	0	92.63
1122	11.22	12.43	414	5	1.21E-06	2.06E-02	39	166.35	57	42	149.11	186.89	0	0	0	0	0.33	0	310.64	-0.21	0	0	0	92.65
1123	11.23	12.48	414	5	1.52E-06	2.66E-02	39	172.79	58	42	147.85	185.31	0	0	0	0	0.33	0	309.32	-0.2	0	0	0	92.32
1124	11.24	12.57	384.6	5	1.60E-06	2.78E-02	39	170.67	58	42	145.57	182.45	0	0	0	0	0.33	0	306.93	-0.2	0	0	0	92.01
1125	11.25	12.19	374.3	5	1.77E-06	3.09E-02	38	171.34	58	42	143.5	179.86	0	0	0	0	0.33	0	304.73	-0.2	0	0	0	91.68
1126	11.26	12.62	372.4	5	1.76E-06	3.05E-02	38	170.66	58	42	143.1	179.36	0	0	0	0	0.33	0	304.31	-0.2	0	0	0	91.69
1127	11.27	12.42	379	5	1.66E-06	2.85E-02	38	168.14	58	42	142.42	178.49	0	0	0	0	0.33	0	303.58	-0.2	0	0	0	91.62
1128	11.28	11.65	369.8	5	1.45E-06	2.41E-02	37	162.4	57	41	140.9	176.6	0	0	0	0	0.33	0	301.96	-0.2	0	0	0	91.63
1129	11.29	11.4	364.2	5	1.22E-06	1.94E-02	36	155.87	56	41	139.52	174.87	0	0	0	0	0.33	0	300.48	-0.2	0	0	0	91.63
1130	11.3	11.02	376.7	5	1.11E-06	1.74E-02	36	152.93	55	41	139.26	174.54	0	0	0	0	0.33	0	300.19	-0.2	0	0	0	91.74
1131	11.31	11.02	375.3	5	7.89E-07	1.14E-02	34	141.68	53	41	137.28	172.06	0	0	0	0	0.33	0	298.06	-0.2	0	0	0	91.89
1132	11.32	8.98	371	4	5.22E-07	6.79E-03	32	127.56	0	0	0	166.93	14	650.82	6.26	0	0.33	29.05	293.58	0	1	86.63	0	650.82
1133	11.33	8	358.1	4	2.96E-07	3.30E-03	29	109.23	0	0	0	158.38	14	557.31	5.35	0	0.33	24.84	285.96	0	1	77.46	0	557.31
1134	11.34	7.1	328.5	4	1.74E-07	1.65E-03	26	92.79	0	0	0	148.14	14	473.44	4.54	0	0.33	21.07	276.56	0	1	70.86	0	473.44
1135	11.35	5.46	295.6	4	9.19E-08	7.16E-04	23	76.43	0	0	0	136.96	14	389.93	3.74	0	0.33	17.32	265.92	0	1	63.63	0	389.93
1136	11.36	4.49	276.7	3	4.06E-08	2.51E-04	20	60.76	0	0	0	126.23	14	310	2.97	0	0.33	13.74	255.3	0	1	54.59	0	310
1137	11.37	3.74	262.4	3	1.97E-08	1.01E-04	18	50.32	0	0	0	119.16	14	256.75	2.46	0	0.33	11.36	248.04	0	1	47.09	0	256.75
1138	11.38	3.23	262.4	3	1.15E-08	4.99E-05	16	42.48	0	0	0	110.81	14	216.73	2.07	0	0.33	9.57	239.2	0	1	43.41	0	216.73
1139	11.39	2.81	209.2	3	7.97E-09	2.97E-05	14	36.55	0	0	0	101.94	14	186.48	1.78	0	0.33	8.23	229.42	0	1	42.39	0	186.48
1140	11.4	2.47	175	3	6.54E-09	2.12E-05	13	31.8	0	0	0	91.93	14	162.27	1.55	0	0.33	7.16	217.87	0	1	44.44	0	162.27
1141	11.41	2.21	152.6	3	5.40E-09	1.56E-05	12	28.37	0	0	0	84.9	14	144.73	1.38	0	0.33	6.38	209.36	0	1	45.67	0	144.73
1142	11.42	2.07	138.2	3	5.33E-09	1.43E-05	11	26.24	0	0	0	78.69	14	133.86	1.28	0	0.33	5.89	201.57	0	1	49.35	0	133.86
1143	11.43	2.01	107.9	3	6.24E-09	1.60E-05	10	25.07	0	0	0	73.09	14	127.92	1.22	0	0.33	5.63	194.27	0	1	56.03	0	127.92
1144	11.44	1.96	89.5	3	8.34E-09	2.07E-05	10	24.3	0	0	0	67.22	14	123.97	1.18	0	0.33	5.45	186.29	0	1	67.14	0	123.97
1145	11.45	1.91	74	3	1.08E-08	2.62E-05	9	23.81	0	0	0	62.88	14	121.49	1.15	0	0.33	5.33	180.18	0	1	78.5	0	121.49
1146	11.46	1.91	64	3	1.28E-08	2.95E-05	9	22.89	0	0	0	58.73	14	116.79	1.11	0	0.33	5.12	174.14	0	1	89.65	0	116.79
1147	11.47	1.76	53.5	3	1.43E-08	3.19E-05	9	21.97	0	0	0	55.15	14	112.09	1.06	0	0.33	4.91	168.75	0	1	100.9	0	112.09
1148	11.48	1.71	45.8	3	1.55E-08	3.31E-05	8	20.98	0	0	0	51.88	14	107.02	1.01	0	0.33	4.69	163.66	0	1	112.37	0	107.02
1149	11.49	1.7	40.7	3	1.82E-08	3.84E-05	8	20.73	0	0	0	49.81	14	105.78	1.01	0	0.33	4.63	160.36	0	1	125	0	105.78
1150	11.5	1.71	37.9	4	2.16E-08	4.59E-05	8	20.83	0	0	0	48.51	14	106.27	1.01	0	0.33	4.65	158.25	0	1	137.03	0	106.27
1151	11.51	1.73	35.4	4	2.53E-08	5.44E-05	8	21.09	0	0	0	47.74	14	107.62	1.02	0	0.33	4.71	157.01	0	1	147.44	0	107.62
1152	11.52	1.75	34	4	2.96E-08	6.48E-05	8	21.46	0	0	0	47.18	14	109.47	1.03	0	0.33	4.78	156.08	0	1	157.91	0	109.47
1153	11.53	1.79	32.5	4	3.35E-08	7.46E-05	8	21.84	0	0	0	46.98	14	111.44	1.05	0	0.33	4.87	155.74	0	1	165.47	0	111.44
1154	11.54	1.82	32.5	4	3.93E-08	8.92E-05	8	22.28	0	0	0	46.55	14	113.65	1.07	0	0.33	4.96	155.04	0	1	176.61	0	113.65
1155	11.55	1.85	29.6	4	4.50E-08	1.04E-04	8	22.69	0	0	0	46.25	14	115.75	1.09	0	0.33	5.05	154.54	0	1	186.56	0	115.75
1156	11.56	1.88	29.1	4	5.00E-08	1.17E-04	8	22.9	0	0	0	45.81	14	116.85	1.1	0	0.33	5.1	153.8	0	1	196.09	0	116.85
1157	11.57	1.86	28.9	4	5.11E-08	1.20E-04	8	23.02	0	0	0	45.87	14	117.46	1.1	0	0.33	5.12	153.9	0	1	197.34	0	117.46
1158	11.58	1.87	29.5	4	5.21E-08	1.23E-04	8	23.24	0	0	0	46.15	14	118.57	1.11	0	0.33	5.16	154.36	0	1	196.94	0	118.57
1159	11.59	1.92	30.1	4	5.34E-08	1.29E-04	8	23.63	0	0	0	46.7	14	120.54	1.13	0	0.33	5.25	155.29	0	1	195.14	0	120.54
1160	11.6	1.95	31.2	4	5.52E-08	1.35E-04	8	24.06	0	0	0	47.28	14	122.75	1.15	0	0.33	5.34	156.23	0	1	193.82	0	122.75
1161	11.61	1.97	31.8	4	5.49E-08	1.36E-04	8	24.25	0	0	0	47.7	14	123.73	1.16	0	0.33	5.38	156.94	0	1	191.06	0	123.73
1162	11.62	1.97	32.2	4	5.43E-08	1.34E-04	8	24.3	0	0	0	47.89	14	123.97	1.16	0	0.33	5.38	157.25	0	1	189.44	0	123.97
1163	11.63	1.96	32.2	4	5.38E-08	1.33E-04	8	24.27	0	0	0	47.96	14	123.85	1.16	0	0.33	5.37	157.36	0	1	188.46	0	123.85
1164	11.64	1.96	32.2	4	5.83E-08	1.44E-04	8	24.22	0	0	0	47.14	14	123.6	1.16	0	0.33	5.36	156.01	0	1	199	0	123.6
1165	11.65	1.96	26.9	4	6.42E-08	1.58E-04	8	24.22	0	0	0	46.32	14	123.59	1.15	0	0.33	5.36	154.65	0	1	211.25	0	123.59
1166	11.66	1.96	26.9	4	6.62E-08	1.63E-04	8	24.15	0	0	0	45.92	14	123.21	1.15	0	0.33	5.34	153.98	0	1	216.66	0	123.21
1167	11.67	1.95	29.8	4	6.06E-08	1.48E-04	8	24.03	0	0	0	46.43	14	122.59	1.14	0	0.33	5.3	154.83	0	1	207.14	0	122.59
1168	11.68	1.93	30.3	4	5.52E-08	1.34E-04	8	23.86	0	0	0	46.89	14	121.72	1.13	0	0.33	5.26	155.59	0	1	198.15	0	121.72
1169	11.69	1.92	30.2	4	5.28E-08	1.28E-04	8	23.69	0	0	0	46.92	14	120.85	1.12	0	0.33	5.22	155.65	0	1	195.43	0	120.85
1170	11.7	1.91	30.4	4	5.08E-08	1.22E-04	8	23.59	0	0	0	47.06	14	120.35	1.12	0	0.33	5.19	155.88	0	1	192.29	0	120.35

1171	11.71	1.91	31.4	4	4.88E-08	1.17E-04	8	23.54	0	0	0	0	47.31	14	120.09	1.12	0.33	5.17	156.28	0	1	188.6	0	120.09
1172	11.72	1.91	31.8	4	4.80E-08	1.15E-04	8	23.59	0	0	0	0	47.55	14	120.36	1.12	0.33	5.18	156.68	0	1	186.44	0	120.36
1173	11.73	1.91	31.7	4	4.81E-08	1.16E-04	8	23.64	0	0	0	0	47.63	14	120.63	1.12	0.33	5.19	156.83	0	1	186.26	0	120.63
1174	11.74	1.91	31.7	4	4.90E-08	1.17E-04	8	23.41	0	0	0	0	47	14	119.43	1.11	0.33	5.13	155.79	0	1	191.45	0	119.43
1175	11.75	1.85	28.3	4	4.94E-08	1.16E-04	8	23.12	0	0	0	0	46.36	14	117.95	1.09	0.33	5.07	154.71	0	1	196.37	0	117.95
1176	11.76	1.85	28.3	4	5.04E-08	1.17E-04	8	22.78	0	0	0	0	45.51	14	116.23	1.08	0.33	4.99	153.29	0	1	203.65	0	116.23
1177	11.77	1.84	27.3	4	5.07E-08	1.17E-04	8	22.64	0	0	0	0	45.17	14	115.5	1.07	0.33	4.95	152.72	0	1	206.79	0	115.5
1178	11.78	1.82	26.5	4	5.08E-08	1.16E-04	8	22.39	0	0	0	0	44.68	14	114.26	1.06	0.33	4.9	151.88	0	1	210.74	0	114.26
1179	11.79	1.8	25.9	4	5.17E-08	1.17E-04	8	22.2	0	0	0	0	44.16	14	113.28	1.05	0.33	4.85	150.99	0	1	216.25	0	113.28
1180	11.8	1.78	24.6	4	5.24E-08	1.18E-04	8	22.03	0	0	0	0	43.7	14	112.42	1.04	0.33	4.81	150.22	0	1	221.22	0	112.42
1181	11.81	1.78	24.2	4	5.40E-08	1.21E-04	8	21.96	0	0	0	0	43.33	14	112.05	1.03	0.33	4.79	149.57	0	1	226.87	0	112.05
1182	11.82	1.78	23.8	4	5.53E-08	1.24E-04	8	21.91	0	0	0	0	43.04	14	111.8	1.03	0.33	4.78	149.08	0	1	231.48	0	111.8
1183	11.83	1.79	23	4	5.66E-08	1.26E-04	8	21.82	0	0	0	0	42.68	14	111.31	1.02	0.33	4.75	148.45	0	1	236.8	0	111.31
1184	11.84	1.76	22.3	4	5.82E-08	1.28E-04	7	21.58	0	0	0	0	42	14	110.09	1.01	0.33	4.7	147.25	0	1	245.94	0	110.09
1185	11.85	1.73	20.5	4	5.86E-08	1.27E-04	7	21.31	0	0	0	0	41.43	14	108.73	1.0	0.33	4.64	146.26	0	1	252.5	0	108.73
1186	11.86	1.73	20.5	4	5.99E-08	1.28E-04	7	21.03	0	0	0	0	40.94	14	107.87	0.99	0.33	4.6	145.39	0	1	259.94	0	107.87
1187	11.87	1.73	20	4	6.07E-08	1.30E-04	7	21.02	0	0	0	0	40.84	14	107.87	0.99	0.33	4.59	145.22	0	1	262.53	0	107.87
1188	11.88	1.73	19.9	4	6.09E-08	1.30E-04	7	20.91	0	0	0	0	40.72	14	107.63	0.99	0.33	4.58	145.01	0	1	264.56	0	107.63
1189	11.89	1.72	19.9	4	5.99E-08	1.27E-04	7	20.75	0	0	0	0	40.71	14	107.26	0.98	0.33	4.56	144.97	0	1	263.67	0	107.26
1190	11.9	1.71	20	4	5.82E-08	1.22E-04	7	20.49	0	0	0	0	40.69	14	106.65	0.98	0.33	4.53	144.94	0	1	261.73	0	106.65
1191	11.91	1.71	20	4	5.67E-08	1.17E-04	7	20.24	0	0	0	0	40.64	14	106.04	0.97	0.33	4.5	144.86	0	1	260.22	0	106.04
1192	11.92	1.7	19.9	4	5.67E-08	1.17E-04	7	20.18	0	0	0	0	40.59	14	105.91	0.97	0.33	4.49	144.77	0	1	261.23	0	105.91
1193	11.93	1.71	19.7	4	5.72E-08	1.18E-04	7	20.16	0	0	0	0	40.53	14	105.91	0.97	0.33	4.49	144.66	0	1	262.99	0	105.91
1194	11.94	1.71	19.6	4	5.72E-08	1.16E-04	7	19.92	0	0	0	0	40.3	14	105.31	0.96	0.33	4.46	144.25	0	1	265.98	0	105.31
1195	11.95	1.67	18.9	4	5.58E-08	1.11E-04	7	19.46	0	0	0	0	40.06	14	104.21	0.95	0.33	4.41	143.82	0	1	266.87	0	104.21
1196	11.96	1.66	18.9	4	5.53E-08	1.07E-04	7	19.05	0	0	0	0	39.7	14	103.11	0.94	0.33	4.36	143.18	0	1	270.67	0	103.11
1197	11.97	1.66	18.2	4	5.61E-08	1.09E-04	7	19.05	0	0	0	0	39.6	14	103.12	0.94	0.33	4.36	142.99	0	1	273.62	0	103.12
1198	11.98	1.67	18.3	4	5.77E-08	1.13E-04	7	19.13	0	0	0	0	39.5	14	103.38	0.94	0.33	4.36	142.81	0	1	277.81	0	103.38
1199	11.99	1.67	18.2	4	5.70E-08	1.11E-04	7	19.08	0	0	0	0	39.55	14	103.26	0.94	0.33	4.35	142.89	0	1	276.49	0	103.26
1200	12	1.65	18.4	4	5.60E-08	1.08E-04	7	18.97	0	0	0	0	39.58	14	103.02	0.93	0.33	4.34	142.95	0	1	274.85	0	103.02
1201	12.01	1.66	18.5	4	5.58E-08	1.08E-04	7	18.96	0	0	0	0	39.61	14	103.03	0.93	0.33	4.34	143.02	0	1	274.38	0	103.03
1202	12.02	1.67	18.3	4	5.77E-08	1.13E-04	7	19.23	0	0	0	0	39.66	14	103.79	0.94	0.33	4.37	143.1	0	1	277.39	0	103.79
1203	12.03	1.69	18.2	4	5.97E-08	1.18E-04	7	19.45	0	0	0	0	39.65	14	104.41	0.94	0.33	4.39	143.09	0	1	281.1	0	104.41
1204	12.04	1.69	18.1	4	6.35E-08	1.30E-04	7	20.05	0	0	0	0	40.01	14	106.04	0.96	0.33	4.46	143.38	0	1	285.49	0	106.04
1205	12.05	1.74	18.3	4	6.78E-08	1.43E-04	7	20.71	0	0	0	0	40.23	14	107.8	0.97	0.33	4.53	143.73	0	1	289.7	0	107.8
1206	12.06	1.76	18.3	4	7.23E-08	1.58E-04	7	21.43	0	0	0	0	40.34	14	109.69	0.99	0.33	4.61	144.13	0	1	293.71	0	109.69
1207	12.07	1.76	18.3	4	7.50E-08	1.66E-04	7	21.7	0	0	0	0	40.34	14	110.7	1	0.33	4.65	144.32	0	1	296.41	0	110.7
1208	12.08	1.78	18.3	4	7.91E-08	1.76E-04	7	21.9	0	0	0	0	40.32	14	111.71	1.01	0.33	4.69	144.29	0	1	302.43	0	111.71
1209	12.09	1.8	17.7	4	8.43E-08	1.91E-04	7	22.22	0	0	0	0	40.44	14	113.35	1.02	0.33	4.75	144.5	0	1	307.98	0	113.35
1210	12.1	1.83	18.1	4	8.79E-08	2.02E-04	7	22.54	0	0	0	0	40.72	14	114.98	1.03	0.33	4.82	144.99	0	1	308.99	0	114.98
1211	12.11	1.85	18.9	4	8.81E-08	2.05E-04	8	22.81	0	0	0	0	41.19	14	116.36	1.05	0.33	4.87	145.83	0	1	303.29	0	116.36
1212	12.12	1.86	19.4	4	8.61E-08	2.01E-04	8	22.91	0	0	0	0	41.54	14	116.88	1.05	0.33	4.89	146.46	0	1	296.75	0	116.88
1213	12.13	1.85	19.6	4	8.50E-08	1.99E-04	8	22.97	0	0	0	0	41.74	14	117.17	1.05	0.33	4.9	146.8	0	1	293.43	0	117.17
1214	12.14	1.86	19.7	4	8.28E-08	1.94E-04	8	22.97	0	0	0	0	41.95	14	117.2	1.05	0.33	4.89	147.17	0	1	288.58	0	117.2
1215	12.15	1.86	20.4	4	8.72E-08	2.08E-04	8	23.45	0	0	0	0	42.43	14	119.64	1.07	0.33	4.99	148	0	1	288.3	0	119.64
1216	12.16	1.95	20.9	4	9.27E-08	2.26E-04	8	23.97	0	0	0	0	42.9	14	122.32	1.09	0.33	5.1	148.82	0	1	289.07	0	122.32
1217	12.17	1.97	20.9	4	9.88E-08	2.47E-04	8	24.55	0	0	0	0	43.42	14	125.27	1.12	0.33	5.22	149.74	0	1	289.54	0	125.27
1218	12.18	1.98	21.8	4	9.84E-08	2.48E-04	8	24.76	0	0	0	0	43.83	14	126.32	1.13	0.33	5.26	150.43	0	1	284.81	0	126.32
1219	12.19	1.99	22.5	4	9.69E-08	2.47E-04	8	25.02	0	0	0	0	44.4	14	127.63	1.14	0.33	5.31	151.41	0	1	277.55	0	127.63
1220	12.2	2.02	23.3	4	9.67E-08	2.49E-04	8	25.27	0	0	0	0	44.87	14	128.94	1.15	0.33	5.37	152.21	0	1	272.73	0	128.94
1221	12.21	2.03	23.7	4	9.54E-08	2.48E-04	8	25.46	0	0	0	0	45.31	14	129.89	1.16	0.33	5.4	152.95	0	1	267.42	0	129.89

1222	12.22	2.03	24.4	4	9.16E-08	2.38E-04	8	25.47	0	0	0	0	0	45.68	14	129.97	1.16	0.33	5.4	153.57	0	1	260.66	0	129.97
1223	12.23	2.02	25.2	4	8.67E-08	2.24E-04	8	25.37	0	0	0	0	0	45.95	14	129.45	1.15	0.33	5.37	154.03	0	1	253.72	0	129.45
1224	12.24	2	25.4	4	8.30E-08	2.14E-04	8	25.26	0	0	0	0	0	46.11	14	128.89	1.15	0.33	5.34	154.3	0	1	248.97	0	128.89
1225	12.25	2	25.5	4	8.39E-08	2.17E-04	8	25.41	0	0	0	0	0	46.3	14	128.66	1.15	0.33	5.37	154.61	0	1	248.49	0	128.66
1226	12.26	2.04	25.8	4	8.59E-08	2.24E-04	8	25.61	0	0	0	0	0	46.47	14	130.69	1.16	0.33	5.41	154.9	0	1	249.17	0	130.69
1227	12.27	2.04	25.8	4	8.69E-08	2.29E-04	8	25.8	0	0	0	0	0	46.71	14	131.65	1.17	0.33	5.45	155.29	0	1	248.42	0	131.65
1228	12.28	2.03	26.3	4	8.56E-08	2.25E-04	8	25.81	0	0	0	0	0	46.85	14	131.67	1.17	0.33	5.44	155.52	0	1	246.25	0	131.67
1229	12.29	2.04	26.5	4	8.27E-08	2.17E-04	8	25.71	0	0	0	0	0	46.96	14	131.18	1.16	0.33	5.42	155.71	0	1	242.87	0	131.18
1230	12.3	2.01	26.6	4	7.94E-08	2.07E-04	8	25.55	0	0	0	0	0	47.01	14	130.33	1.15	0.33	5.38	155.79	0	1	239.49	0	130.33
1231	12.31	1.99	26.9	4	7.46E-08	1.92E-04	8	25.23	0	0	0	0	0	46.96	14	128.74	1.14	0.33	5.3	155.71	0	1	235.38	0	128.74
1232	12.32	1.97	26.9	4	7.10E-08	1.81E-04	8	24.99	0	0	0	0	0	46.93	14	127.52	1.13	0.33	5.25	155.65	0	1	232.29	0	127.52
1233	12.33	1.96	26.9	4	6.92E-08	1.75E-04	8	24.83	0	0	0	0	0	46.84	14	126.67	1.12	0.33	5.21	155.51	0	1	231.32	0	126.67
1234	12.34	1.95	26.7	4	6.94E-08	1.75E-04	8	24.77	0	0	0	0	0	46.71	14	126.4	1.11	0.33	5.19	155.3	0	1	232.84	0	126.4
1235	12.35	1.95	26.2	4	6.82E-08	1.71E-04	8	24.56	0	0	0	0	0	46.46	14	125.32	1.1	0.33	5.15	154.88	0	1	233.78	0	125.32
1236	12.36	1.9	25.9	4	6.58E-08	1.63E-04	8	24.27	0	0	0	0	0	46.21	14	123.84	1.09	0.33	5.08	154.47	0	1	233.4	0	123.84
1237	12.37	1.88	25.9	4	6.38E-08	1.56E-04	8	23.97	0	0	0	0	0	45.89	14	122.29	1.08	0.33	5.01	153.92	0	1.1	234.07	32.85	122.29
1238	12.38	1.88	25	4	6.26E-08	1.52E-04	8	23.77	0	0	0	0	0	45.66	14	121.28	1.07	0.33	4.97	153.54	0	1.09	234.89	33.02	121.28
1239	12.39	1.86	25	4	6.17E-08	1.48E-04	8	23.59	0	0	0	0	0	45.44	14	120.37	1.06	0.33	4.92	153.17	0	1.08	235.93	33.14	120.37
1240	12.4	1.84	25	4	5.88E-08	1.40E-04	8	23.35	0	0	0	0	0	45.36	14	119.11	1.05	0.33	4.87	153.04	0	1.08	233.15	33.28	119.11
1241	12.41	1.82	25.1	4	5.67E-08	1.34E-04	8	23.16	0	0	0	0	0	45.29	14	118.15	1.04	0.33	4.82	152.92	0	1.07	231.27	33.51	118.15
1242	12.42	1.81	25	4	5.61E-08	1.32E-04	8	23.1	0	0	0	0	0	45.27	14	117.87	1.03	0.33	4.81	152.88	0	1.06	231.02	33.85	117.87
1243	12.43	1.82	24.9	4	5.65E-08	1.33E-04	8	23.13	0	0	0	0	0	45.26	14	117.99	1.03	0.33	4.81	152.87	0	1.06	231.88	34.26	117.99
1244	12.44	1.82	24.9	4	5.70E-08	1.35E-04	8	23.18	0	0	0	0	0	45.28	14	118.27	1.03	0.33	4.82	152.91	0	1.06	232.73	34.51	118.27
1245	12.45	1.82	24.9	4	5.74E-08	1.36E-04	8	23.3	0	0	0	0	0	45.46	14	118.88	1.04	0.33	4.84	153.2	0	1.05	232.07	34.89	118.88
1246	12.46	1.84	25.5	4	5.74E-08	1.37E-04	8	23.38	0	0	0	0	0	45.62	14	119.29	1.04	0.33	4.85	153.47	0	1.05	231.03	35.15	119.29
1247	12.47	1.83	25.5	4	5.70E-08	1.36E-04	8	23.43	0	0	0	0	0	45.78	14	119.53	1.04	0.33	4.86	153.74	0	1.05	229.38	35.49	119.53
1248	12.48	1.82	25.6	4	5.59E-08	1.33E-04	8	23.34	0	0	0	0	0	45.77	14	119.09	1.04	0.33	4.84	153.73	0	1.04	228.25	35.73	119.09
1249	12.49	1.81	25.6	4	5.62E-08	1.34E-04	8	23.36	0	0	0	0	0	45.76	14	119.19	1.04	0.33	4.84	153.71	0	1.04	229.04	36.02	119.19
1250	12.5	1.82	25.3	4	5.77E-08	1.38E-04	8	23.4	0	0	0	0	0	45.62	14	119.41	1.04	0.33	4.84	153.48	0	1.04	232.49	36.31	119.41
1251	12.51	1.82	24.6	4	5.99E-08	1.43E-04	8	23.49	0	0	0	0	0	45.48	14	119.85	1.04	0.33	4.86	153.25	0	1.04	236.8	36.56	119.85
1252	12.52	1.82	24.5	4	6.18E-08	1.49E-04	8	23.57	0	0	0	0	0	45.38	14	120.24	1.05	0.33	4.87	153.06	0	1.04	240.48	36.76	120.24
1253	12.53	1.83	24.4	4	6.26E-08	1.50E-04	8	23.58	0	0	0	0	0	45.29	14	120.29	1.04	0.33	4.87	152.92	0	1.03	242.56	36.96	120.29
1254	12.54	1.81	24	4	6.34E-08	1.52E-04	8	23.55	0	0	0	0	0	45.13	14	120.14	1.04	0.33	4.86	152.65	0	1.03	245.29	37.08	120.14
1255	12.55	1.81	23.6	4	6.39E-08	1.53E-04	8	23.5	0	0	0	0	0	44.98	14	119.91	1.04	0.33	4.85	152.4	0	1.02	247.57	37.38	119.91
1256	12.56	1.81	23.6	4	6.62E-08	1.59E-04	8	23.61	0	0	0	0	0	44.9	14	120.47	1.04	0.33	4.87	152.26	0	1.02	251.56	37.75	120.47
1257	12.57	1.82	23.2	4	6.92E-08	1.68E-04	8	23.85	0	0	0	0	0	44.99	14	121.68	1.05	0.33	4.92	152.4	0	1.02	254.8	38.29	121.68
1258	12.58	1.84	23.4	4	7.54E-08	1.87E-04	8	24.3	0	0	0	0	0	45.14	14	124	1.07	0.33	5.01	152.67	0	1.03	260.78	38.72	124
1259	12.59	1.89	23.3	4	8.16E-08	2.07E-04	8	24.91	0	0	0	0	0	45.6	14	127.08	1.1	0.33	5.13	153.44	0	1.03	263.48	39.18	127.08
1260	12.6	1.93	24.2	4	8.73E-08	2.27E-04	8	25.53	0	0	0	0	0	46.17	14	130.24	1.12	0.33	5.26	154.4	0	1.04	264.07	39.58	130.24
1261	12.61	1.96	25	4	8.95E-08	2.37E-04	9	25.97	0	0	0	0	0	46.77	14	132.52	1.14	0.33	5.35	155.4	0	1.05	260.78	39.93	132.52
1262	12.62	1.98	25.5	4	8.97E-08	2.39E-04	9	26.17	0	0	0	0	0	47.1	14	133.52	1.15	0.33	5.38	155.95	0	1.05	258.25	40	133.52
1263	12.63	1.97	25.5	4	8.94E-08	2.39E-04	9	26.22	0	0	0	0	0	47.23	14	133.79	1.15	0.33	5.39	156.16	0	1.05	257.09	40	133.79
1264	12.64	1.97	25.5	4	8.41E-08	2.23E-04	9	26.02	0	0	0	0	0	47.37	14	132.73	1.14	0.33	5.34	156.4	0	1.05	251.12	40	132.73
1265	12.65	1.93	26.7	4	7.65E-08	2.01E-04	9	25.76	0	0	0	0	0	47.72	14	131.44	1.13	0.33	5.28	156.97	0	1.04	240.91	39.93	131.44
1266	12.66	1.92	28	4	6.84E-08	1.77E-04	9	25.44	0	0	0	0	0	48.1	14	129.82	1.12	0.33	5.21	157.6	0	1.04	229.64	39.76	129.82
1267	12.67	1.91	28.4	4	6.38E-08	1.64E-04	9	25.24	0	0	0	0	0	48.32	14	128.78	1.11	0.33	5.16	157.95	0	1.03	223.25	39.69	128.78
1268	12.68	1.89	28.4	4	5.96E-08	1.52E-04	9	24.99	0	0	0	0	0	48.43	14	127.48	1.09	0.33	5.1	158.13	0	1.02	217.91	39.71	127.48
1269	12.69	1.86	29.2	4	5.63E-08	1.42E-04	9	24.79	0	0	0	0	0	48.54	14	126.49	1.08	0.33	5.06	158.31	0	1.01	213.48	39.91	126.49
1270	12.7	1.86	29.5	4	5.43E-08	1.37E-04	9	24.66	0	0	0	0	0	48.6	14	125.82	1.08	0.33	5.02	158.41	0	1.01	210.89	40	125.82
1271	12.71	1.86	29	4	5.44E-08	1.37E-04	9	24.66	0	0	0	0	0	48.58	14	125.8	1.08	0.33	5.02	158.38	0	1.01	211.34	40	125.8
1272	12.72	1.86	29	4	5.77E-08	1.46E-04	9	24.89	0	0	0	0	0	48.52	14	127	1.09	0.33	5.07	158.28	0	1.01	216.07	40	127

1273	12.73	1.86	28.4	4	6.18E-08	1.59E-04	9	25.18	0	0	0	0	0	48.48	14	128.48	1.1	0.33	5.12	158.21	0	1.02	221.41	40	128.48
1274	12.74	1.87	27.9	4	6.78E-08	1.77E-04	9	25.56	0	0	0	0	0	48.39	14	130.38	1.11	0.33	5.2	158.06	0	1.03	228.99	40	130.38
1275	12.75	1.88	27.4	4	7.04E-08	1.84E-04	9	25.69	0	0	0	0	0	48.31	14	131.07	1.12	0.33	5.23	157.93	0	1.03	232.7	40	131.07
1276	12.76	1.88	27.5	4	7.34E-08	1.94E-04	9	25.9	0	0	0	0	0	48.33	14	132.12	1.13	0.33	5.27	157.96	0	1.04	235.98	40	132.12
1277	12.77	1.91	27.4	4	7.72E-08	2.06E-04	9	26.2	0	0	0	0	0	48.46	14	133.67	1.14	0.33	5.33	158.17	0	1.05	239.05	40	133.67
1278	12.78	1.95	27.3	4	8.28E-08	2.24E-04	9	26.58	0	0	0	0	0	48.55	14	135.61	1.15	0.33	5.4	158.32	0	1.06	244	40	135.61
1279	12.79	1.97	27	4	8.70E-08	2.38E-04	9	26.85	0	0	0	0	0	48.61	14	137	1.17	0.33	5.46	158.42	0	1.06	247.72	40	137
1280	12.8	1.97	27	4	8.70E-08	2.39E-04	9	26.91	0	0	0	0	0	48.7	14	137.27	1.17	0.33	5.46	158.56	0	1.06	247.3	40	137.27
1281	12.81	1.97	27.6	4	8.38E-08	2.29E-04	9	26.76	0	0	0	0	0	48.76	14	136.52	1.16	0.33	5.43	158.66	0	1.06	244.14	40	136.52
1282	12.82	1.95	27.6	4	8.02E-08	2.17E-04	9	26.55	0	0	0	0	0	48.75	14	135.44	1.15	0.33	5.38	158.66	0	1.05	241.03	40	135.44
1283	12.83	1.94	27.4	4	7.80E-08	2.10E-04	9	26.37	0	0	0	0	0	48.68	14	134.53	1.14	0.33	5.34	158.54	0	1.05	239.71	40	134.53
1284	12.84	1.94	27.5	4	7.71E-08	2.06E-04	9	26.25	0	0	0	0	0	48.56	14	133.92	1.13	0.33	5.31	158.34	0	1.04	240.07	40	133.92
1285	12.85	1.93	27.1	4	7.66E-08	2.04E-04	9	26.09	0	0	0	0	0	48.32	14	133.1	1.13	0.33	5.27	157.95	0	1.04	241.85	40	133.1
1286	12.86	1.91	26.3	4	7.53E-08	1.98E-04	9	25.79	0	0	0	0	0	47.91	14	131.58	1.11	0.33	5.21	157.28	0	1.03	244.21	40	131.58
1287	12.87	1.89	25.8	4	7.49E-08	1.95E-04	9	25.56	0	0	0	0	0	47.53	14	130.41	1.1	0.33	5.16	156.65	0	1.03	247.35	40	130.41
1288	12.88	1.89	25.4	4	7.08E-08	1.81E-04	8	25.03	0	0	0	0	0	47.01	14	127.69	1.08	0.33	5.04	155.8	0	1.01	247.64	40	127.69
1289	12.89	1.8	24.6	4	6.80E-08	1.70E-04	8	24.55	0	0	0	0	0	46.46	14	125.27	1.06	0.33	4.94	154.89	0	1	249.51	40	125.27
1290	12.9	1.78	23.8	4	6.50E-08	1.59E-04	8	24.03	0	0	0	0	0	45.85	14	122.61	1.03	0.33	4.83	153.87	0	0.98	251.72	40	122.61
1291	12.91	1.77	23.2	4	6.44E-08	1.56E-04	8	23.78	0	0	0	0	0	45.45	14	121.33	1.02	0.33	4.78	153.18	0	0.98	255.15	40	121.33
1292	12.92	1.75	22.9	4	6.38E-08	1.53E-04	8	23.54	0	0	0	0	0	45.1	14	120.11	1.01	0.33	4.73	152.59	0	0.97	257.76	40	120.11
1293	12.93	1.73	22.4	4	6.27E-08	1.49E-04	8	23.28	0	0	0	0	0	44.72	14	118.79	1	0.33	4.67	151.95	0	0.96	260.64	40	118.79
1294	12.94	1.72	21.7	4	6.28E-08	1.47E-04	8	23.02	0	0	0	0	0	44.22	14	117.53	0.99	0.33	4.62	151.11	0	0.95	266.21	40	117.53
1295	12.95	1.7	20.8	4	6.18E-08	1.41E-04	8	22.43	0	0	0	0	0	43.8	14	116.06	0.98	0.33	4.56	150.38	0	0.95	269.51	40	116.06
1296	12.96	1.67	20.8	4	6.31E-08	1.40E-04	8	21.85	0	0	0	0	0	43.08	14	114.57	0.96	0.33	4.49	149.14	0	0.94	278.77	40	114.57
1297	12.97	1.65	18.6	4	6.57E-08	1.45E-04	8	21.67	0	0	0	0	0	42.6	14	114.14	0.96	0.33	4.48	148.3	0	0.94	289.79	40	114.14
1298	12.98	1.68	18.5	4	7.13E-08	1.59E-04	8	21.87	0	0	0	0	0	42.17	14	114.66	0.96	0.33	4.5	147.56	0	0.94	303.69	40	114.66
1299	12.99	1.69	18.4	4	7.61E-08	1.74E-04	8	22.38	0	0	0	0	0	42.15	14	115.99	0.97	0.33	4.55	147.53	0	0.95	311.13	40	115.99
1300	13	1.7	17.9	4	7.90E-08	1.83E-04	8	22.78	0	0	0	0	0	42.26	14	117.06	0.98	0.33	4.59	147.72	0	0.95	314.01	40	117.06
1301	13.01	1.71	18.5	4	8.15E-08	1.93E-04	8	23.21	0	0	0	0	0	42.52	14	118.44	0.99	0.33	4.64	148.16	0	0.96	314.27	40	118.44
1302	13.02	1.73	19	4	8.28E-08	1.99E-04	8	23.54	0	0	0	0	0	42.98	14	120.09	1	0.33	4.7	148.97	0	0.97	310.25	40	120.09
1303	13.03	1.75	19.4	4	8.40E-08	2.04E-04	8	23.81	0	0	0	0	0	43.38	14	121.5	1.01	0.33	4.75	149.66	0	0.97	306.89	40	121.5
1304	13.04	1.75	19.8	4	9.20E-08	2.30E-04	8	24.57	0	0	0	0	0	44.02	14	125.34	1.05	0.33	4.91	150.75	0	0.99	308.62	40	125.34
1305	13.05	1.87	20.5	4	1.02E-07	2.64E-04	8	25.44	0	0	0	0	0	44.76	14	129.82	1.08	0.33	5.08	152.01	0	1.02	310.3	40	129.82
1306	13.06	1.92	21.2	4	1.17E-07	3.18E-04	9	26.62	0	0	0	0	0	45.64	14	135.8	1.13	0.33	5.32	153.51	0	1.05	314.37	40	135.8
1307	13.07	1.98	21.8	4	1.27E-07	3.56E-04	9	27.43	0	0	0	0	0	46.36	14	139.97	1.17	0.33	5.48	154.71	0	1.07	314.61	40	139.97
1308	13.08	2.03	22.4	4	1.38E-07	3.96E-04	9	28.25	0	0	0	0	0	47.06	14	144.14	1.2	0.33	5.65	155.88	0	1.09	314.83	40	144.14
1309	13.09	2.09	23.1	4	1.49E-07	4.41E-04	9	29.78	0	0	0	0	0	47.61	14	147.96	1.23	0.33	5.8	156.79	0	1.11	317.05	40	147.96
1310	13.1	2.13	23.1	4	1.48E-07	4.50E-04	9	29.78	0	0	0	0	0	48.95	14	151.94	1.26	0.33	5.95	158.98	0	1.12	301.83	40	151.94
1311	13.11	2.19	27.8	4	1.47E-07	4.57E-04	9	30.57	0	0	0	0	0	50.34	14	155.98	1.29	0.33	6.1	161.21	0	1.14	287.33	40	155.98
1312	13.12	2.26	28.9	4	1.41E-07	4.60E-04	10	31.32	0	0	0	0	0	51.95	14	159.79	1.33	0.33	6.24	163.77	0	1.16	269.37	40	159.79
1313	13.13	2.3	30.5	4	1.42E-07	4.64E-04	10	32.1	0	0	0	0	0	53.17	14	163.76	1.36	0.33	6.39	165.69	0	1.18	260.25	40	163.76
1314	13.14	2.37	33.1	4	1.41E-07	4.73E-04	10	32.94	0	0	0	0	0	54.64	14	168.06	1.39	0.33	6.56	167.96	0	1.2	248.79	40	168.06
1315	13.15	2.44	35.7	4	1.43E-07	4.99E-04	10	34.19	0	0	0	0	0	56.56	14	174.46	1.44	0.33	6.8	170.89	0	1.23	237.02	40	174.46
1316	13.16	2.56	39.4	4	1.52E-07	5.52E-04	11	36.95	0	0	0	0	0	58.51	14	182.37	1.51	0.33	7.11	173.81	0	1.26	229.33	40	182.37
1317	13.17	2.68	41.8	4	1.53E-07	5.75E-04	11	36.95	0	0	0	0	0	60.41	14	188.51	1.56	0.33	7.35	176.61	0	1.29	219.24	40	188.51
1318	13.18	2.68	45.2	4	1.75E-07	7.03E-04	12	39.4	0	0	0	0	0	62.84	14	201.03	1.66	0.33	7.84	180.13	0	1.34	215.86	40	201.03
1319	13.19	3.05	49.9	4	1.94E-07	8.24E-04	12	41.63	0	0	0	0	0	65.16	14	212.4	1.75	0.33	8.29	183.42	0	1.39	211.53	40	212.4
1320	13.2	3.15	52.5	5	2.21E-07	9.96E-04	13	44.14	28	35	53.84	67.48	0	0	0	0	0	0	186.65	-0.06	0	0	0	84.11	
1321	13.21	3.23	55.6	5	2.13E-07	9.74E-04	13	44.8	28	35	55.01	68.95	0	0	0	0	0	0	188.68	-0.06	0	0	0	84.68	
1322	13.22	3.23	58.9	4	1.98E-07	9.07E-04	13	45	0	0	0	0	0	70.22	14	229.61	1.89	0.33	8.94	190.4	0	1.46	192	40	229.61
1323	13.23	3.23	61.3	4	1.86E-07	8.54E-04	13	45.01	0	0	0	0	0	70.99	14	229.65	1.89	0.33	8.93	191.45	0	1.46	186	40	229.65

1324	13.24	3.24	61.3	4	1.77E-07	8.15E-04	13	45.18	0	0	0	0	0	71.92	14	230.53	1.89	0.33	8.95	192.7	0	1.46	180.16	40	230.53
1325	13.25	3.28	65.5	4	1.68E-07	7.78E-04	13	45.41	0	0	0	0	0	72.95	14	231.68	1.9	0.33	8.99	194.07	0	1.47	174.29	40	231.68
1326	13.26	3.27	68.6	4	1.58E-07	7.24E-04	14	45.54	0	0	0	0	0	74.18	14	232.37	1.91	0.33	9	195.7	0	1.47	166.87	40	232.37
1327	13.27	3.26	70.6	4	1.48E-07	6.86E-04	14	45.57	0	0	0	0	0	74.94	14	232.51	1.91	0.33	9	196.71	0	1.47	162.22	40	232.51
1328	13.28	3.27	71.5	4	1.45E-07	6.76E-04	14	45.64	0	0	0	0	0	75.29	14	232.88	1.91	0.33	9	197.17	0	1.47	160.57	40	232.88
1329	13.29	3.27	71.1	4	1.46E-07	6.82E-04	14	45.7	0	0	0	0	0	75.28	14	233.18	1.91	0.33	9.01	197.15	0	1.47	161.15	40	233.18
1330	13.3	3.28	70.1	4	1.51E-07	7.05E-04	14	45.83	0	0	0	0	0	75.07	14	233.8	1.91	0.33	9.03	196.88	0	1.47	163.27	40	233.8
1331	13.31	3.28	69.3	4	1.55E-07	7.27E-04	14	45.92	0	0	0	0	0	74.85	14	234.29	1.92	0.33	9.05	196.58	0	1.47	165.42	40	234.29
1332	13.32	3.28	68.8	4	1.64E-07	7.80E-04	14	46.55	0	0	0	0	0	75.08	14	237.49	1.94	0.33	9.17	196.89	0	1.48	167.68	40	237.49
1333	13.33	3.38	70.1	4	1.71E-07	8.22E-04	14	47.12	0	0	0	0	0	75.45	14	240.4	1.96	0.33	9.28	197.37	0	1.5	168.76	40	240.4
1335	13.35	3.39	70.7	4	1.78E-07	8.68E-04	14	47.79	0	0	0	0	0	75.98	14	243.85	1.99	0.33	9.4	198.06	0	1.51	169.48	40	243.85
1336	13.36	3.39	70.3	4	1.77E-07	8.61E-04	14	47.71	0	0	0	0	0	75.95	14	243.43	1.98	0.33	9.38	198.02	0	1.51	169.35	40	243.43
1337	13.37	3.39	70.3	4	1.69E-07	8.19E-04	14	47.49	0	0	0	0	0	76.21	14	242.3	1.97	0.33	9.33	198.37	0	1.5	166.51	40	242.3
1338	13.38	3.37	73.3	4	1.61E-07	7.78E-04	14	47.26	0	0	0	0	0	76.49	14	241.12	1.96	0.33	9.27	198.72	0	1.49	163.64	40	241.12
1339	13.39	3.37	73	4	1.55E-07	7.48E-04	14	47.17	0	0	0	0	0	76.87	14	240.69	1.96	0.33	9.24	199.22	0	1.49	160.97	40	240.69
1340	13.4	3.38	73.5	4	1.53E-07	7.35E-04	14	47.13	0	0	0	0	0	77.03	14	240.48	1.95	0.33	9.23	199.43	0	1.49	159.88	40	240.48
1341	13.41	3.37	74.6	4	1.48E-07	7.11E-04	14	47.09	0	0	0	0	0	77.41	14	240.26	1.95	0.33	9.21	199.92	0	1.49	157.53	40	240.26
1342	13.42	3.36	76.1	4	1.43E-07	6.85E-04	14	47.04	0	0	0	0	0	77.82	14	239.98	1.95	0.33	9.19	200.45	0	1.49	155	40	239.98
1343	13.43	3.37	76.9	4	1.42E-07	6.83E-04	14	47.15	0	0	0	0	0	78	14	241.28	1.95	0.33	9.23	200.68	0	1.49	155.56	40	241.28
1344	13.44	3.4	76.3	4	1.45E-07	7.01E-04	14	47.29	0	0	0	0	0	77.56	14	241.88	1.94	0.33	9.17	200.12	0	1.48	156.79	40	241.88
1345	13.45	3.4	74.8	4	1.45E-07	6.96E-04	14	47.02	0	0	0	0	0	77.56	14	239.88	1.94	0.33	9.05	199.25	0	1.47	157.7	40	239.88
1346	13.46	3.31	73.8	4	1.42E-07	6.72E-04	14	46.43	0	0	0	0	0	76.89	14	236.87	1.91	0.33	8.92	198.49	0	1.46	157.98	40	236.87
1347	13.47	3.28	72.2	4	1.38E-07	6.43E-04	14	45.81	0	0	0	0	0	76.31	14	233.75	1.89	0.33	8.82	198.49	0	1.46	157.98	40	233.75
1348	13.48	3.28	71.5	4	1.37E-07	6.35E-04	14	45.59	0	0	0	0	0	76.03	14	232.58	1.88	0.33	8.87	198.13	0	1.45	158.5	40	232.58
1349	13.49	3.29	72	4	1.34E-07	6.18E-04	14	45.35	0	0	0	0	0	75.95	14	231.38	1.87	0.33	8.81	198.03	0	1.45	157.83	40	231.38
1350	13.5	3.25	72	4	1.19E-07	5.44E-04	14	44.73	0	0	0	0	0	76.45	14	228.2	1.84	0.33	8.67	198.68	0	1.43	151.58	40	228.2
1351	13.51	3.21	77.3	4	1.01E-07	4.51E-04	14	43.63	0	0	0	0	0	76.81	14	222.6	1.79	0.33	8.44	199.15	0	1.41	143.83	40	222.6
1352	13.52	3.15	78.2	4	8.60E-08	3.73E-04	13	42.57	0	0	0	0	0	77.21	14	217.2	1.75	0.33	8.22	199.66	0	1.38	136.39	40	217.2
1353	13.53	3.11	78.6	4	7.73E-08	3.28E-04	13	41.63	0	0	0	0	0	76.97	14	212.37	1.71	0.33	8.02	199.35	0	1.36	132.9	40	212.37
1354	13.54	3.03	78.1	4	7.28E-08	3.04E-04	13	40.96	0	0	0	0	0	76.57	14	209	1.68	0.33	7.88	198.83	0	1.35	131.64	40	209
1355	13.55	3	76.7	4	7.02E-08	2.88E-04	13	40.3	0	0	0	0	0	75.82	14	205.6	1.65	0.33	7.74	197.85	0	1.33	132.03	40	205.6
1356	13.56	2.97	74.1	4	6.87E-08	2.78E-04	13	39.76	0	0	0	0	0	75.11	14	202.87	1.63	0.33	7.63	196.93	0	1.32	132.9	40	202.87
1357	13.57	2.93	73.6	4	6.83E-08	2.74E-04	13	39.42	0	0	0	0	0	74.53	14	201.1	1.61	0.33	7.56	196.17	0	1.31	134.13	40	201.1
1358	13.58	2.93	72.7	4	6.33E-08	2.49E-04	13	38.59	0	0	0	0	0	74	14	196.91	1.58	0.33	7.39	195.46	0	1.29	132.54	40	196.91
1359	13.59	2.79	72.1	4	5.82E-08	2.25E-04	13	37.89	0	0	0	0	0	73.75	14	193.32	1.55	0.33	7.25	195.14	0	1.28	130.06	40	193.32
1360	13.6	2.77	73.7	4	5.31E-08	2.01E-04	12	37.19	0	0	0	0	0	73.61	14	189.76	1.52	0.33	7.1	194.95	0	1.26	127.08	40	189.76
1361	13.61	2.77	73.7	4	5.02E-08	1.89E-04	12	36.89	0	0	0	0	0	73.77	14	188.24	1.5	0.33	7.03	195.17	0	1.25	124.75	40	188.24
1362	13.62	2.72	74.4	4	4.68E-08	1.73E-04	12	36.34	0	0	0	0	0	73.65	14	185.42	1.48	0.33	6.92	195	0	1.24	122.5	40	185.42
1363	13.63	2.65	74.4	4	4.14E-08	1.50E-04	12	35.45	0	0	0	0	0	73.37	14	180.85	1.44	0.33	6.73	194.64	0	1.22	119.11	40	180.85
1364	13.64	2.6	74.4	4	4.17E-08	1.47E-04	12	34.56	0	0	0	0	0	71.44	14	176.3	1.41	0.33	6.56	192.05	0	1.21	123.65	39.38	176.3
1365	13.65	2.55	60.8	4	4.35E-08	1.50E-04	12	33.8	0	0	0	0	0	69.35	14	172.46	1.37	0.33	6.41	189.22	0	1.2	130.28	38.35	172.46
1366	13.66	2.53	59.4	4	4.70E-08	1.59E-04	11	33.2	0	0	0	0	0	67.18	14	169.39	1.35	0.33	6.3	186.24	0	1.2	138.11	37.53	169.39
1367	13.67	2.5	58.8	4	4.52E-08	1.51E-04	11	32.69	0	0	0	0	0	66.06	14	166.78	1.33	0.33	6.2	185.44	0	1.19	139.03	36.91	166.78
1368	13.68	2.46	57.8	4	4.31E-08	1.41E-04	11	32.14	0	0	0	0	0	64.7	14	164	1.3	0.33	6.09	184.68	0	1.18	139.03	36.76	164
1369	13.69	2.42	56.8	4	4.11E-08	1.32E-04	11	31.57	0	0	0	0	0	65.44	14	161.06	1.28	0.33	5.97	183.81	0	1.17	139.03	37	161.06
1370	13.7	2.37	55.7	4	4.07E-08	1.29E-04	11	31.15	0	0	0	0	0	64.7	14	158.93	1.26	0.33	5.89	182.77	0	1.15	140.91	37.18	158.93
1371	13.71	2.37	53.3	4	4.09E-08	1.29E-04	11	30.93	0	0	0	0	0	64.16	14	157.8	1.25	0.33	5.84	182.01	0	1.15	142.92	37.27	157.8
1372	13.72	2.37	53.3	4	4.52E-08	1.42E-04	11	30.89	0	0	0	0	0	62.93	14	157.58	1.25	0.33	5.83	180.25	0	1.12	151.4	39.64	157.58
1373	13.73	2.25	46.4	4	5.04E-08	1.59E-04	11	30.9	0	0	0	0	0	61.73	14	157.63	1.25	0.33	5.84	178.52	0	1.11	160.8	40	157.63
1374	13.74	2.26	44.4	4	5.72E-08	1.81E-04	10	30.96	0	0	0	0	0	60.46	14	157.98	1.25	0.33	5.86	176.68	0	1.11	172.28	40	157.98

1375	13.75	2.28	44	4	6.05E-08	1.92E-04	10	31.12	0	0	0	60.15	14	158.78	1.26	0.33	5.89	176.23	0	1.12	176.69	40	158.78
1376	13.76	2.29	43.7	4	6.18E-08	1.97E-04	10	31.29	0	0	0	60.25	14	159.64	1.26	0.33	5.92	176.38	0	1.12	177.52	40	159.64
1377	13.77	2.3	44.5	4	6.24E-08	2.00E-04	11	31.41	0	0	0	60.38	14	160.26	1.27	0.33	5.94	176.57	0	1.12	177.67	40	160.26
1378	13.78	2.3	44.4	4	6.28E-08	2.02E-04	11	31.53	0	0	0	60.54	14	160.88	1.27	0.33	5.96	176.8	0	1.12	177.55	40	160.88
1379	13.79	2.32	44.3	4	6.31E-08	2.03E-04	11	31.59	0	0	0	60.59	14	161.16	1.27	0.33	5.96	176.88	0	1.13	177.73	40	161.16
1380	13.8	2.32	44.6	4	6.33E-08	2.04E-04	11	31.64	0	0	0	60.65	14	161.42	1.27	0.33	5.97	176.96	0	1.13	177.88	40	161.42
1381	13.81	2.35	44.5	4	6.37E-08	2.06E-04	11	31.8	0	0	0	60.89	14	162.22	1.28	0.33	5.99	177.31	0	1.13	177.3	40	162.22
1382	13.82	2.41	45.4	4	6.47E-08	2.11E-04	11	32.01	0	0	0	61.13	14	163.31	1.29	0.33	6.03	177.66	0	1.13	177.3	40	163.31
1383	13.83	2.42	45.5	4	6.39E-08	2.09E-04	11	32.09	0	0	0	61.41	14	163.74	1.29	0.33	6.04	178.07	0	1.14	175.69	39.81	163.74
1384	13.84	2.41	46.1	4	5.93E-08	1.91E-04	11	31.69	0	0	0	61.49	14	161.7	1.27	0.33	5.96	178.17	0	1.14	171.62	39.17	161.7
1385	13.85	2.35	46.9	4	5.41E-08	1.72E-04	11	31.17	0	0	0	61.49	14	159.05	1.25	0.33	5.85	178.18	0	1.14	167.13	38.38	159.05
1386	13.86	2.34	46.9	4	4.59E-08	1.43E-04	11	30.68	0	0	0	62.34	14	156.52	1.23	0.33	5.74	179.41	0	1.13	156.2	37.89	156.52
1387	13.87	2.32	53.5	4	4.04E-08	1.26E-04	11	30.5	0	0	0	63.42	14	155.63	1.22	0.33	5.69	180.95	0	1.13	147.03	37.72	155.63
1388	13.88	2.32	55.2	4	3.58E-08	1.11E-04	11	30.38	0	0	0	64.58	14	154.99	1.22	0.33	5.66	182.6	0	1.12	138.42	37.69	154.99
1389	13.89	2.32	53.8	4	3.47E-08	1.08E-04	11	30.39	0	0	0	64.95	14	155.07	1.21	0.33	5.66	183.12	0	1.12	136.34	37.65	155.07
1390	13.9	2.33	56.1	4	3.44E-08	1.06E-04	11	30.36	0	0	0	65.02	14	154.92	1.21	0.33	5.64	183.22	0	1.12	135.8	37.5	154.92
1391	13.91	2.32	55.7	4	3.50E-08	1.08E-04	11	30.31	0	0	0	64.89	14	155.12	1.21	0.33	5.65	183.04	0	1.12	137.04	37.33	155.12
1392	13.92	2.33	54.6	4	3.54E-08	1.09E-04	11	30.31	0	0	0	64.57	14	154.66	1.21	0.33	5.63	182.59	0	1.13	138.55	37.11	154.66
1393	13.93	2.32	53.8	4	3.63E-08	1.12E-04	11	30.28	0	0	0	64.19	14	154.47	1.21	0.33	5.62	182.05	0	1.13	140.86	36.89	154.47
1394	13.94	2.32	52.8	4	3.56E-08	1.09E-04	11	29.91	0	0	0	63.64	14	152.61	1.19	0.33	5.55	181.27	0	1.12	141.9	36.84	152.61
1395	13.95	2.26	51.5	4	3.53E-08	1.06E-04	11	29.52	0	0	0	62.9	14	150.62	1.17	0.33	5.47	180.21	0	1.11	144.05	37.03	150.62
1396	13.96	2.23	49.4	4	3.48E-08	1.03E-04	10	29.06	0	0	0	61.55	14	147.12	1.15	0.33	5.34	178.27	0	1.08	148.33	37.53	147.12
1397	13.97	2.21	48.2	4	3.49E-08	1.03E-04	10	28.84	0	0	0	60.64	14	147.79	1.15	0.33	5.36	176.94	0	1.08	156.63	37.98	147.79
1398	13.98	2.19	48.2	4	3.88E-08	1.15E-04	10	28.97	0	0	0	59.72	14	149.5	1.16	0.33	5.43	175.6	0	1.08	167.5	38.36	149.5
1399	13.99	2.24	42.3	4	4.51E-08	1.35E-04	10	29.73	0	0	0	58.73	14	151.97	1.18	0.33	5.53	174.14	0	1.09	181.63	38.66	151.97
1400	14	2.27	40.7	4	5.42E-08	1.65E-04	10	30.19	0	0	0	58.72	14	153.71	1.19	0.33	5.6	174.13	0	1.1	185.36	38.83	153.71
1401	14.01	2.29	40	4	5.77E-08	1.77E-04	10	30.73	0	0	0	59.35	14	155.2	1.2	0.33	5.65	175.05	0	1.1	182.36	39.09	155.2
1402	14.02	2.3	41.2	4	5.75E-08	1.78E-04	10	30.42	0	0	0	59.93	14	156.3	1.21	0.33	5.68	175.91	0	1.1	179.08	39.23	156.3
1403	14.03	2.32	43.9	4	5.66E-08	1.77E-04	10	30.64	0	0	0	60.6	14	156.3	1.21	0.33	5.67	176.89	0	1.1	173.14	39.02	156.3
1404	14.04	2.33	43.2	4	5.32E-08	1.66E-04	10	30.64	0	0	0	61.54	14	155.85	1.21	0.33	5.64	178.25	0	1.11	164.47	38.72	155.85
1405	14.05	2.31	45.6	4	4.81E-08	1.50E-04	11	30.55	0	0	0	63.73	14	158.38	1.23	0.33	5.72	181.39	0	1.11	151.87	38.95	158.38
1406	14.06	2.31	50.5	4	4.34E-08	1.37E-04	11	31.04	0	0	0	67.33	14	170.75	1.32	0.33	6.18	186.45	0	1.15	145.51	40	170.75
1407	14.07	2.43	57.2	4	4.85E-08	1.65E-04	11	33.47	0	0	0	72.41	14	195.32	1.51	0.33	7.09	193.36	0	1.26	145.75	40	195.32
1408	14.08	2.79	64.8	4	6.82E-08	2.66E-04	13	38.28	0	0	0	80.49	14	247.16	1.91	0.33	9.05	203.86	0	1.47	156.14	40	247.16
1409	14.09	3.27	75	4	1.10E-07	4.95E-04	14	44.28	0	0	0	76.86	14	225.91	1.74	0.33	8.25	199.2	0	1.39	154.6	40	225.91
1410	14.1	3.63	82.7	4	1.40E-07	6.89E-04	15	48.44	0	0	0	82.13	14	253.96	1.96	0.33	9.3	205.93	0	1.5	153.95	40	253.96
1411	14.11	3.62	82.7	4	1.45E-07	7.36E-04	15	49.78	0	0	0	80.49	14	247.16	1.91	0.33	9.13	207.13	0	1.48	145.46	40	247.16
1412	14.12	3.55	84.8	4	1.25E-07	6.24E-04	15	49.01	0	0	0	83.09	14	250.06	1.93	0.33	9.13	207.13	0	1.48	145.46	40	250.06
1413	14.13	3.5	85.2	4	1.11E-07	5.41E-04	15	47.89	0	0	0	82.96	14	244.33	1.88	0.33	8.9	206.96	0	1.46	141.01	40	244.33
1414	14.14	3.42	84.7	4	1.01E-07	4.80E-04	15	46.8	0	0	0	82.5	14	238.78	1.84	0.33	8.68	206.38	0	1.43	138.3	40	238.78
1415	14.15	3.34	83.9	4	8.98E-08	4.16E-04	14	45.56	0	0	0	82.02	14	232.44	1.79	0.33	8.43	205.78	0	1.41	134.9	40	232.44
1416	14.16	3.24	84.7	4	7.93E-08	3.58E-04	14	44.34	0	0	0	81.62	14	226.23	1.74	0.33	8.19	205.28	0	1.38	131.19	40	226.23
1417	14.17	3.14	84.9	4	7.20E-08	3.19E-04	14	43.53	0	0	0	81.53	14	222.07	1.71	0.33	8.02	205.17	0	1.36	127.92	40	222.07
1418	14.18	3.14	85.6	4	7.65E-08	3.44E-04	14	44.11	0	0	0	81.7	14	225.03	1.73	0.33	8.13	205.39	0	1.37	129.93	40	225.03
1419	14.19	3.3	84.1	4	8.50E-08	3.90E-04	14	45.01	0	0	0	81.81	14	229.63	1.76	0.33	8.3	205.52	0	1.39	133.74	40	229.63
1420	14.2	3.28	82.7	4	9.69E-08	4.51E-04	14	45.64	0	0	0	81.01	14	232.87	1.78	0.33	8.43	204.52	0	1.41	140.7	40	232.87
1421	14.21	3.23	76.5	4	9.78E-08	4.47E-04	14	44.82	0	0	0	79.42	14	228.69	1.75	0.33	8.27	202.5	0	1.39	144.84	40	228.69
1422	14.22	3.12	72.9	4	9.30E-08	4.13E-04	14	43.5	0	0	0	77.79	14	221.96	1.7	0.33	8.02	200.41	0	1.36	146.78	40	221.96
1423	14.23	3.02	72.9	4	9.02E-08	3.84E-04	13	41.78	0	0	0	75.14	14	213.19	1.63	0.33	7.69	196.96	0	1.33	152.43	40	213.19
1424	14.24	2.89	59.8	4	8.58E-08	3.46E-04	13	39.6	0	0	0	71.86	14	202.05	1.54	0.33	7.28	192.61	0	1.28	159.68	40	202.05
1425	14.25	2.71	53.3	4	8.38E-08	3.18E-04	12	37.22	0	0	0	67.82	14	189.89	1.45	0.33	6.84	187.12	0	1.23	171.99	40	189.89

1426	14.26	2.57	49.2	4	7.53E-08	2.68E-04	11	34.97	0	0	0	0	0	64.98	14	178.44	1.36	0.33	6.41	183.17	0	1.18	177.23	40	178.44
1427	14.27	2.46	45.5	4	6.97E-08	2.37E-04	11	33.34	0	0	0	0	0	62.8	14	170.1	1.3	0.33	6.1	180.07	0	1.14	182.25	40	170.1
1428	14.28	2.37	42.5	4	6.74E-08	2.21E-04	11	32.17	0	0	0	0	0	60.97	14	164.11	1.25	0.33	5.88	177.43	0	1.12	188.62	40	164.11
1429	14.29	2.3	39.9	4	6.71E-08	2.14E-04	10	31.25	0	0	0	0	0	59.29	14	159.46	1.21	0.33	5.71	174.97	0	1.09	196.65	40	159.46
1430	14.3	2.25	36.8	4	7.19E-08	2.25E-04	10	30.71	0	0	0	0	0	57.54	14	156.69	1.19	0.33	5.61	172.36	0	1.08	210.55	40	156.69
1431	14.31	2.25	32.7	4	7.17E-08	2.15E-04	10	29.39	0	0	0	0	0	55.08	14	149.93	1.14	0.33	5.36	168.64	0	1.05	225.58	40	149.93
1432	14.32	2.03	28.2	4	7.50E-08	2.17E-04	9	28.34	0	0	0	0	0	52.68	14	144.58	1.1	0.33	5.17	164.92	0	1.03	246.27	40	144.58
1433	14.33	2.02	25.4	4	7.66E-08	2.13E-04	9	27.32	0	0	0	0	0	50.61	14	139.41	1.06	0.33	4.99	161.65	0	1	265.45	40	139.41
1434	14.34	2.02	23.6	4	9.03E-08	2.54E-04	9	27.63	0	0	0	0	0	49.67	14	140.95	1.07	0.33	5.05	160.14	0	1.01	289.38	40	140.95
1435	14.35	2.07	22.6	4	1.05E-07	3.04E-04	9	28.25	0	0	0	0	0	48.57	14	144.11	1.09	0.33	5.17	159.66	0	1.03	307.91	40	144.11
1436	14.36	2.13	22.6	4	1.28E-07	3.76E-04	9	28.78	0	0	0	0	0	48.57	14	146.86	1.11	0.33	5.28	158.36	0	1.04	338.37	40	146.86
1437	14.37	2.13	18.6	5	1.42E-07	4.17E-04	9	28.91	21	32	38.23	47.92	0	0	0	0	0	0.33	0	157.29	0	0	0	40	82.75
1438	14.38	2.09	19.2	5	1.48E-07	4.32E-04	9	28.68	21	32	37.62	47.15	0	0	0	0	0	0.33	0	156.03	0	0	0	40	82.58
1439	14.39	2.07	19.4	5	1.38E-07	4.03E-04	9	28.6	21	32	37.99	47.62	0	0	0	0	0	0.33	0	156.8	0	0	0	40	82.73
1440	14.4	2.1	20.8	4	1.35E-07	3.96E-04	9	28.83	0	0	0	48.21	14	48.21	14	147.08	1.11	0.33	5.28	157.77	0	1.04	350.41	40	147.08
1441	14.41	2.12	21.5	4	1.38E-07	4.13E-04	9	29.46	0	0	0	49.07	14	49.07	14	150.29	1.13	0.33	5.39	159.17	0	1.06	341.98	40	150.29
1442	14.42	2.19	22.3	5	1.48E-07	4.57E-04	9	30.32	22	32	39.78	49.86	0	0	0	0	0	0.33	0	160.44	-0.01	0	0	40	83.78
1443	14.43	2.26	23	5	1.58E-07	4.94E-04	10	31.03	22	32	40.31	50.52	0	0	0	0	0	0.33	0	161.51	-0.01	0	0	40	84.04
1444	14.44	2.26	23.4	5	1.73E-07	5.64E-04	10	32.04	23	32	40.87	51.22	0	0	0	0	0	0.33	0	162.62	-0.01	0	0	40	84.24
1445	14.45	2.42	23.9	5	1.85E-07	6.28E-04	10	33.15	23	33	41.75	52.33	0	0	0	0	0	0.33	0	164.37	-0.01	0	0	40	84.66
1446	14.46	2.52	26.5	5	1.99E-07	7.01E-04	10	34.62	23	33	43.06	53.97	0	0	0	0	0	0.33	0	166.93	-0.01	0	0	40	85.29
1447	14.47	2.58	29.1	5	2.02E-07	7.42E-04	11	35.98	24	33	44.6	55.9	0	0	0	0	0	0.33	0	169.9	-0.02	0	0	40	86.11
1448	14.48	2.69	31.6	5	2.20E-07	8.39E-04	11	37.47	24	33	45.76	57.36	0	0	0	0	0	0.33	0	172.09	-0.02	0	0	40	86.61
1449	14.49	2.82	31.6	5	2.15E-07	8.60E-04	12	39.22	25	33	48.08	60.26	0	0	0	0	0	0.33	0	176.4	-0.03	0	0	40	87.82
1450	14.5	2.95	42.2	5	2.11E-07	8.80E-04	12	40.84	25	34	50.23	62.96	0	0	0	0	0	0.33	0	180.3	-0.04	0	0	40	88.9
1451	14.51	3.04	44.4	5	2.11E-07	9.13E-04	12	42.55	26	34	52.36	65.63	0	0	0	0	0	0.33	0	184.08	-0.04	0	0	40	89.92
1452	14.52	3.21	44.7	5	2.10E-07	9.16E-04	13	42.89	26	34	52.83	66.21	0	0	0	0	0	0.33	0	184.89	-0.04	0	0	40	90.18
1453	14.53	3.07	45.1	5	2.01E-07	8.73E-04	13	42.62	26	34	52.9	66.3	0	0	0	0	0	0.33	0	185.02	-0.04	0	0	40	90.32
1454	14.54	3.04	45.4	4	1.75E-07	7.37E-04	12	41.29	0	0	0	65.84	14	65.84	14	210.66	1.58	0.33	7.52	184.37	0	1.31	229.55	40	210.66
1455	14.55	2.96	44.4	4	1.67E-07	6.89E-04	12	40.56	0	0	0	65.26	14	65.26	14	206.92	1.55	0.33	7.38	183.56	0	1.29	229.4	40	206.92
1456	14.56	2.92	42.8	4	1.75E-07	7.15E-04	12	40.01	0	0	0	63.78	14	63.78	14	204.11	1.53	0.33	7.28	181.47	0	1.28	241.38	40	204.11
1457	14.57	2.92	37.1	5	2.08E-07	8.46E-04	12	39.9	25	34	49.22	61.69	0	0	0	0	0	0.33	0	178.47	-0.03	0	0	40	86.78
1458	14.58	2.91	31.7	5	2.40E-07	9.64E-04	11	39.49	25	33	47.47	59.5	0	0	0	0	0	0.33	0	175.27	-0.03	0	0	40	87.78
1459	14.59	2.82	30.8	5	2.45E-07	9.64E-04	11	38.59	25	33	46.21	57.91	0	0	0	0	0	0.33	0	172.92	-0.02	0	0	40	87.18
1460	14.6	2.74	29.8	5	2.17E-07	8.25E-04	11	37.26	24	33	45.6	57.15	0	0	0	0	0	0.33	0	171.77	-0.02	0	0	40	87.09
1461	14.61	2.66	29.8	5	1.78E-07	6.48E-04	11	35.79	24	33	45.42	56.93	0	0	0	0	0	0.33	0	171.44	-0.02	0	0	40	87.35
1462	14.62	2.54	32.2	4	1.39E-07	4.84E-04	11	34.17	0	0	0	56.81	14	56.81	14	174.34	1.3	0.33	6.17	171.27	0	1.15	272.06	40	174.34
1463	14.63	2.39	32.2	4	1.13E-07	3.81E-04	10	32.93	0	0	0	56.81	14	56.81	14	168.01	1.25	0.33	5.93	171.26	0	1.12	255.67	40	168.01
1464	14.64	2.38	32.2	4	6.28E-08	2.12E-04	11	33.05	0	0	0	63.44	14	63.44	14	168.6	1.25	0.33	5.89	180.99	0	1.12	180.38	40	168.6
1465	14.65	2.51	73	4	4.10E-08	1.48E-04	12	35.46	0	0	0	73.54	14	73.54	14	180.92	1.34	0.33	6.28	194.85	0	1.16	129.8	40	180.92
1466	14.66	2.85	99.7	4	2.98E-08	1.22E-04	14	39.91	0	0	0	87.63	14	87.63	14	203.62	1.51	0.33	7.02	212.71	0	1.25	95.26	40	203.62
1467	14.67	3.26	141.5	3	3.25E-08	1.53E-04	16	46.19	0	0	0	99.92	14	99.92	14	235.65	1.75	0.33	8.13	227.13	0	1.37	83.71	40	235.65
1468	14.68	3.81	172.6	3	3.24E-08	1.68E-04	17	50.8	0	0	0	109.92	14	109.92	14	259.18	1.92	0.33	8.94	238.23	0	1.46	75.37	40	259.18
1469	14.69	3.81	191.4	4	7.24E-08	4.74E-04	20	64.19	0	0	0	120.1	14	120.1	14	327.51	2.43	0.33	11.43	249.01	0	1.71	85.36	40	327.51
1470	14.7	6.18	200	4	1.92E-07	9.97E-04	22	75	0	0	0	134.51	14	134.51	14	437.75	3.24	0.33	15.5	263.54	0	2.08	98.95	40	437.75
1471	14.71	6.18	200	4	1.91E-07	1.68E-03	24	85.8	0	0	0	126.16	14	126.16	14	462.16	3.42	0.33	16.35	270.98	0	1	93.42	0	462.16
1472	14.72	6.18	250.3	4	1.91E-07	1.76E-03	26	90.58	0	0	0	152.84	14	152.84	14	487.09	3.6	0.33	17.19	280.92	0	1	84.69	0	487.09
1473	14.73	7.42	276.9	4	1.71E-07	1.67E-03	27	95.47	0	0	0	162.23	14	162.23	14	504.69	3.73	0.33	17.76	289.42	0	1	77.31	0	504.69
1474	14.74	7.45	318.3	4	1.50E-07	1.51E-03	28	98.92	0	0	0	171.26	14	171.26	14	507.58	3.74	0.33	17.78	297.36	0	1	68.57	0	507.58
1475	14.75	7.14	364.4	4	1.15E-07	1.16E-03	29	99.49	0	0	0	180.76	14	180.76	14	527.41	3.89	0.33	18.44	305.5	0	1	63.9	0	527.41
1476	14.76	7.54	405.5	4	1.05E-07	1.11E-03	31	103.37	0	0	0	180.76	14	180.76	14	527.41	3.89	0.33	18.44	305.5	0	1	63.9	0	527.41

1477	14.77	8.25	443.4	4	1.25E-07	1.43E-03	33	111.96	0	0	0	189.75	14	571.21	4.21	0.33	20.01	313	0	1	64.16	0	571.21
1478	14.78	8.94	459.9	4	1.47E-07	1.78E-03	34	118.64	0	0	0	195.3	14	605.29	4.46	0.33	21.24	317.55	0	1	65.34	0	605.29
1479	14.79	9.54	488.4	4	1.90E-07	2.45E-03	35	126.34	0	0	0	198.45	14	644.6	4.74	0.33	22.7	320.1	0	1	69.07	0	644.6
1480	14.8	9.92	453.6	4	2.07E-07	2.70E-03	35	127.96	0	0	0	198.03	14	652.85	4.8	0.33	23.01	319.76	0	1	70.75	0	652.85
1481	14.81	9.32	444.5	4	2.30E-07	3.06E-03	36	130.41	0	0	0	197.94	14	665.37	4.89	0.33	23.48	319.69	0	1	72.85	0	665.37
1482	14.82	9.5	444.5	4	1.96E-07	2.54E-03	35	127.31	0	0	0	198.92	14	649.55	4.77	0.33	22.85	320.47	0	1	69.58	0	649.55
1483	14.83	9.26	483.3	4	1.72E-07	2.22E-03	36	126.08	0	0	0	201.64	14	643.27	4.72	0.33	22.57	322.66	0	1	66.52	0	643.27
1484	14.84	9.05	493.8	9	1.51E-07	1.93E-03	36	125.59	0	0	0	205.76	14	640.75	4.7	0.33	22.42	325.94	0	1	63.16	0	640.75
1485	14.85	9.37	514.1	9	1.52E-07	2.01E-03	37	129.23	0	0	0	211.37	14	659.31	4.83	0.33	23.05	330.35	0	1	61.95	0	659.31
1486	14.86	10.56	578	9	1.94E-07	2.86E-03	40	136.32	0	0	0	225.84	14	696.54	5.1	0.33	24.39	336.07	0	1	62.11	0	696.54
1487	14.87	10.56	578	9	1.94E-07	2.86E-03	40	136.32	0	0	0	225.84	14	696.54	5.1	0.33	24.39	336.07	0	1	62.11	0	696.54
1488	14.88	11	592.3	9	2.31E-07	3.57E-03	41	151.73	0	0	0	230.15	14	774.14	5.66	0.33	27.2	344.72	0	1	64.64	0	774.14
1489	14.89	11.59	590.3	9	2.58E-07	4.11E-03	42	156.44	0	0	0	232.63	14	798.16	5.83	0.33	28.08	346.57	0	1	66	0	798.16
1490	14.9	11.59	595.2	9	2.69E-07	4.34E-03	42	158.17	0	0	0	233.77	14	807.01	5.89	0.33	28.4	347.12	0	1	66.62	0	807.01
1491	14.91	11.44	595.2	9	2.37E-07	3.73E-03	42	154.19	0	0	0	232.73	14	786.69	5.74	0.33	27.61	346.65	0	1	64.62	0	786.69
1492	14.92	10.78	599.2	9	1.95E-07	2.96E-03	41	148.66	0	0	0	232.44	14	758.48	5.53	0.33	26.52	346.42	0	1	61.48	0	758.48
1493	14.93	10.45	619.1	9	1.56E-07	2.28E-03	41	143.26	0	0	0	233.18	14	730.94	5.33	0.33	25.45	346.98	0	1	57.87	0	730.94
1494	14.94	10.29	638.4	9	1.33E-07	1.91E-03	40	140.4	0	0	0	235.3	14	716.35	5.22	0.33	24.86	348.55	0	1	55.1	0	716.35
1495	14.95	10.17	653.8	9	1.19E-07	1.68E-03	40	138.6	0	0	0	236.97	14	707.15	5.15	0.33	24.48	349.78	0	1	53.25	0	707.15
1496	14.96	10.07	660.1	9	1.11E-07	1.54E-03	40	136.64	0	0	0	236.7	14	697.12	5.07	0.33	24.09	349.59	0	1	52.31	0	697.12
1497	14.97	9.87	645.2	9	9.71E-08	1.29E-03	39	130.85	0	0	0	232.18	14	667.61	4.85	0.33	23	346.24	0	1	51.31	0	667.61
1498	14.98	8.94	607.3	9	9.17E-08	1.17E-03	38	125.55	0	0	0	225.08	14	640.58	4.65	0.33	22.04	340.9	0	1	51.84	0	640.58
1499	14.99	8.94	563.8	9	7.38E-08	8.63E-04	35	114.73	0	0	0	213.95	14	585.38	4.25	0.33	20.05	332.37	0	1	51.04	0	585.38
1500	15	7.56	514.9	3	5.70E-08	6.10E-04	33	104.99	0	0	0	205.12	14	535.68	3.89	0.33	18.26	325.43	0	1	49.41	0	535.68
1501	15.01	6.86	514.9	3	4.52E-08	4.35E-04	30	94.4	0	0	0	192.31	14	481.65	3.49	0.33	16.34	315.11	0	1	49.12	0	481.65
1502	15.02	6.68	411.6	3	3.97E-08	3.57E-04	29	88.06	0	0	0	183.67	14	449.28	3.25	0.33	15.2	307.95	0	1	49.41	0	449.28
1503	15.03	6.2	410.1	3	4.16E-08	3.60E-04	28	84.79	0	0	0	175.35	14	432.62	3.13	0.33	14.64	300.89	0	1	52.15	0	432.62
1504	15.04	6.16	397.7	3	3.61E-08	3.02E-04	27	81.91	0	0	0	173.81	14	417.9	3.02	0.33	14.1	299.57	0	1	50.65	0	417.9
1505	15.05	6.05	405.1	3	4.20E-08	3.64E-04	28	85.01	0	0	0	175.51	14	433.7	3.14	0.33	14.66	301.03	0	1	52.29	0	433.7
1506	15.06	6.86	416.5	4	8.80E-08	9.19E-04	31	102.35	0	0	0	184.85	14	522.21	3.77	0.33	17.86	308.94	0	1	60.76	0	522.21
1507	15.07	9.86	441.8	4	2.23E-07	2.94E-03	36	129.26	0	0	0	197.29	14	659.51	4.76	0.33	22.9	319.16	0	1	73.44	0	659.51
1508	15.08	11.8	461.8	4	4.06E-07	6.31E-03	39	152.39	0	0	0	208.72	14	777.51	5.61	0.33	27.26	328.28	0	1	82	0	777.51
1509	15.09	11.8	490.2	4	6.54E-07	1.16E-02	43	174.17	0	0	0	218.82	14	888.61	6.41	0.33	31.39	336.13	0	1	89.43	0	888.61
1510	15.1	14.52	508.6	5	8.47E-07	1.62E-02	45	187.92	54	42	179.78	225.32	0	0	0	0	0	0	-0.2	0	0	0	123.71
1511	15.11	14.76	508.6	8	9.63E-07	1.98E-02	48	201.34	56	42	188.2	235.88	0	0	0	0	0	0	-0.21	0	0	0	125
1512	15.12	14.69	602.1	9	7.71E-07	1.57E-02	48	199.65	0	0	0	243.48	14	1018.61	7.33	0.33	36.03	354.56	0	1	85.83	0	1018.61
1513	15.13	14.18	633.8	9	5.51E-07	1.10E-02	49	195.83	0	0	0	253.81	14	999.12	7.19	0.33	35.12	362	0	1	76.12	0	999.12
1514	15.14	13.95	693.6	9	4.66E-07	9.28E-03	50	195.27	0	0	0	260.85	14	996.28	7.16	0.33	34.9	366.99	0	1	71.38	0	996.28
1515	15.15	14.58	724.4	9	4.21E-07	8.49E-03	51	197.83	0	0	0	269.16	14	1009.33	7.25	0.33	35.27	372.79	0	1	67.91	0	1009.33
1516	15.16	14.73	766.7	9	4.00E-07	8.15E-03	51	199.69	0	0	0	274.24	14	1018.85	7.31	0.33	35.55	376.29	0	1	66.11	0	1018.85
1517	15.17	14.35	774.4	9	3.61E-07	7.28E-03	51	197.61	0	0	0	276.44	14	1008.2	7.23	0.33	35.1	377.8	0	1	64.01	0	1008.2
1518	15.18	14.13	774.4	9	3.29E-07	6.53E-03	51	194.84	0	0	0	277.24	14	994.09	7.13	0.33	34.53	378.34	0	1	62.34	0	994.09
1519	15.19	14.13	795.3	9	2.68E-07	5.08E-03	50	186.18	0	0	0	274.96	14	949.91	6.8	0.33	32.86	376.79	0	1	59.45	0	949.91
1520	15.2	12.5	779.1	9	2.18E-07	3.91E-03	48	176.29	0	0	0	270.32	14	899.46	6.44	0.33	30.98	373.59	0	1	57.04	0	899.46
1521	15.21	12.02	743.6	9	1.56E-07	2.57E-03	46	161.41	0	0	0	262.77	14	823.54	5.89	0.33	28.19	368.34	0	1	53.45	0	823.54
1522	15.22	10.95	742.4	9	1.32E-07	2.06E-03	44	153.41	0	0	0	257.57	14	782.73	5.6	0.33	26.69	364.67	0	1	51.92	0	782.73
1523	15.23	10.79	730.3	9	1.13E-07	1.71E-03	43	148.37	0	0	0	256.11	14	756.98	5.41	0.33	25.73	363.64	0	1	50.11	0	756.98
1524	15.24	10.94	748.1	9	1.20E-07	1.85E-03	44	151.65	0	0	0	259	14	773.73	5.52	0.33	26.31	365.68	0	1	50.48	0	773.73
1525	15.25	11.65	774.8	9	1.28E-07	2.03E-03	45	155.69	0	0	0	262.76	14	794.33	5.67	0.33	27.03	368.33	0	1	50.82	0	794.33
1526	15.26	11.65	774.8	9	1.71E-07	2.90E-03	47	166.77	0	0	0	267.16	14	850.84	6.07	0.33	29.08	371.4	0	1	54.15	0	850.84
1527	15.27	13.31	760.2	9	2.21E-07	3.96E-03	48	175.67	0	0	0	268.58	14	896.25	6.39	0.33	30.75	372.39	0	1	57.73	0	896.25

1528	15.28	13.56	747	9	2.82E-07	5.31E-03	49	184.47	0	0	0	0	269.85	14	941.16	6.7	0.33	32.42	373.27	0	1	61.36	0	941.16
1529	15.29	13.54	747.5	9	2.68E-07	4.96E-03	49	181.58	0	0	0	0	265.15	14	926.45	6.59	0.33	31.86	372.09	0	1	60.84	0	926.45
1530	15.3	12.7	743.8	9	2.24E-07	3.97E-03	48	174.32	0	0	0	0	265.96	14	889.37	6.33	0.33	30.47	370.56	0	1	58.42	0	889.37
1531	15.31	12.01	746.7	9	1.55E-07	2.54E-03	45	160.54	0	0	0	0	261.63	14	819.08	5.82	0.33	27.86	367.54	0	1	53.78	0	819.08
1532	15.32	10.59	748.3	9	1.12E-07	1.71E-03	44	149.35	0	0	0	0	258.04	14	762	5.41	0.33	25.76	365.01	0	1	49.96	0	762
1533	15.33	10.3	746.9	9	8.82E-08	1.27E-03	42	141.38	0	0	0	0	255.25	14	721.35	5.12	0.33	24.26	363.03	0	1	47.29	0	721.35
1534	15.34	10.3	746.1	9	6.66E-08	8.70E-04	41	134.97	0	0	0	0	250.77	14	688.61	4.88	0.33	23.08	359.83	0	1	46.01	0	688.61
1535	15.35	9.22	706.1	9	5.57E-08	6.76E-04	37	119.04	0	0	0	0	233.53	14	607.35	4.3	0.33	20.22	347.24	0	1	45.02	0	607.35
1536	15.36	8.84	653.9	9	5.28E-08	6.09E-04	36	118.43	0	0	0	0	224.82	14	578.7	4.1	0.33	19.24	340.71	0	1	45.75	0	578.7
1537	15.37	8.35	623	9	4.85E-08	5.35E-04	35	108.24	0	0	0	0	217.74	14	552.27	3.91	0.33	18.32	335.29	0	1	45.99	0	552.27
1539	15.39	7.73	559.6	3	5.15E-08	5.61E-04	34	107.01	0	0	0	0	212.97	14	545.97	3.86	0.33	18.12	331.6	0	1	47.6	0	545.97
1540	15.4	8.08	544.1	3	5.93E-08	6.60E-04	34	109.14	0	0	0	0	211.7	14	556.85	3.93	0.33	18.52	330.61	0	1	49.68	0	556.85
1541	15.41	8.47	544.1	3	6.99E-08	8.02E-04	35	112.58	0	0	0	0	211.98	14	574.39	4.06	0.33	19.14	330.83	0	1	51.83	0	574.39
1542	15.42	8.47	540.9	9	1.18E-07	1.52E-03	37	126.72	0	0	0	0	217.11	14	646.56	4.56	0.33	21.74	334.81	0	1	58.3	0	646.56
1543	15.43	11.11	545.3	9	1.91E-07	2.76E-03	39	141.28	0	0	0	0	221.69	14	720.81	5.08	0.33	24.44	338.32	0	1	65.11	0	720.81
1544	15.44	11.59	541.1	9	2.91E-07	4.60E-03	41	155.18	0	0	0	0	225.8	14	791.72	5.58	0.33	27.03	341.45	0	1	71.58	0	791.72
1545	15.45	11.45	539.5	9	2.88E-07	4.53E-03	41	154.52	0	0	0	0	225.26	14	788.37	5.55	0.33	26.9	341.04	0	1	71.56	0	788.37
1546	15.46	10.97	538.8	9	2.42E-07	3.66E-03	40	148.51	0	0	0	0	223.36	14	757.7	5.33	0.33	25.76	339.6	0	1	68.91	0	757.7
1547	15.47	10.3	538.1	9	1.95E-07	2.81E-03	39	141.4	0	0	0	0	221.13	14	721.45	5.07	0.33	24.41	337.9	0	1	65.7	0	721.45
1548	15.48	9.93	537.4	9	1.70E-07	2.36E-03	38	136.53	0	0	0	0	219.01	14	696.56	4.9	0.33	23.5	336.27	0	1	63.85	0	696.56
1549	15.49	9.93	528.1	4	1.16E-07	1.46E-03	36	124.31	0	0	0	0	213.71	14	634.24	4.46	0.33	21.23	332.18	0	1	58.98	0	634.24
1550	15.5	7.69	515.4	3	7.17E-08	8.00E-04	34	109.39	0	0	0	0	205.04	14	558.12	3.92	0.33	18.51	325.37	0	1	53.91	0	558.12
1551	15.51	6.73	478.4	3	4.19E-08	4.01E-04	30	93.72	0	0	0	0	193.57	14	478.16	3.35	0.33	15.69	316.13	0	1	49.23	0	478.16
1552	15.52	6.57	434.1	3	3.13E-08	2.71E-04	29	85.07	0	0	0	0	185.28	14	434.05	3.04	0.33	14.15	309.29	0	1	47.38	0	434.05
1553	15.53	5.84	434.1	3	2.86E-08	2.35E-04	27	80.64	0	0	0	0	178.55	14	411.44	2.88	0.33	13.39	303.62	0	1	47.83	0	411.44
1554	15.54	5.78	396.3	3	2.58E-08	2.00E-04	26	76.72	0	0	0	0	173.24	14	391.45	2.74	0.33	12.7	299.08	0	1	47.79	0	391.45
1555	15.55	5.73	373.6	3	2.82E-08	2.18E-04	26	76	0	0	0	0	168.71	14	387.77	2.71	0.33	12.6	295.14	0	1	50.22	0	387.77
1556	15.56	5.68	365.2	3	3.91E-08	3.16E-04	26	79.4	0	0	0	0	166.11	14	405.08	2.83	0.33	13.23	292.85	0	1	55.56	0	405.08
1557	15.57	6.51	333	3	5.65E-08	4.83E-04	27	83.85	0	0	0	0	164.1	14	427.82	2.99	0.33	14.06	291.08	0	1	61.97	0	427.82
1558	15.58	6.69	316.7	4	8.62E-08	7.85E-04	27	89.32	0	0	0	0	161.92	14	455.73	3.18	0.33	15.09	289.14	0	1	70.19	0	455.73
1559	15.59	6.85	304.7	4	8.89E-08	8.02E-04	27	88.57	0	0	0	0	159.69	14	451.89	3.15	0.33	14.96	287.14	0	1	71.73	0	451.89
1560	15.6	6.35	304.7	4	9.26E-08	8.21E-04	26	86.99	0	0	0	0	155.69	14	443.85	3.1	0.33	14.7	283.53	0	1	74.33	0	443.85
1561	15.61	6.35	268.4	4	9.29E-08	8.02E-04	26	84.69	0	0	0	0	151.46	14	432.08	3.01	0.33	14.3	279.65	0	1	76.46	0	432.08
1562	15.62	6.36	257.6	4	9.14E-08	7.63E-04	25	81.94	0	0	0	0	147	14	418.08	2.91	0.33	13.82	275.5	0	1	78.43	0	418.08
1563	15.63	5.76	257.6	4	7.33E-08	5.79E-04	24	77.5	0	0	0	0	144.68	14	395.41	2.75	0.33	13.01	273.31	0	1	75.21	0	395.41
1564	15.64	5.4	257.6	4	6.22E-08	4.54E-04	23	71.51	0	0	0	0	137.52	14	364.85	2.54	0.33	11.96	266.46	0	1	75.82	0	364.85
1565	15.65	5.08	192.2	4	5.52E-08	3.70E-04	21	65.79	0	0	0	0	129.29	14	335.65	2.33	0.33	10.97	258.37	0	1	78.28	0	335.65
1566	15.66	4.54	180.5	4	4.82E-08	2.92E-04	20	59.39	0	0	0	0	119.59	14	302.99	2.11	0.33	9.87	248.48	0	1	82.09	0	302.99
1567	15.67	4.03	169.9	3	3.81E-08	2.12E-04	18	54.49	0	0	0	0	114.51	14	278.01	1.93	0.33	9.01	243.16	0	1	80.81	0	278.01
1568	15.68	4.03	155.3	3	2.11E-08	9.90E-05	17	46.03	0	0	0	0	107.65	14	234.87	1.63	0.33	7.53	235.76	0	1	73.79	0	234.87
1569	15.69	2.73	142.7	3	1.03E-08	3.97E-05	15	37.87	0	0	0	0	100.85	14	193.22	1.34	0.33	6.19	228.19	0	1	64.45	0	193.22
1570	15.7	2.28	142.7	3	5.63E-09	1.71E-05	13	29.71	0	0	0	0	88.23	14	151.57	1.05	0.33	4.85	213.43	0	1	63.01	0	151.57
1571	15.71	2.28	68.2	3	7.03E-09	1.93E-05	12	26.96	0	0	0	0	78.8	14	140.92	0.98	0.33	4.51	201.71	0	1	77.21	0	140.92
1572	15.72	2.28	57.4	3	1.30E-08	3.31E-05	11	25.05	0	0	0	0	68.03	14	135.89	0.94	0.33	4.35	187.42	0	1	112.79	0	135.89
1573	15.73	2.07	51.5	3	1.07E-08	2.24E-05	10	20.58	0	0	0	0	63.89	14	123.19	0.85	0.33	3.94	181.62	0	1	115.93	0	123.19
1574	15.74	1.75	47.3	3	6.65E-09	1.05E-05	9	15.49	0	0	0	0	60.4	14	106.91	0.74	0.33	3.41	176.59	0	1	108.31	0	106.91
1575	15.75	1.6	46.3	3	3.74E-09	4.37E-06	9	11.48	0	0	0	0	57.72	14	92.07	0.64	0.33	2.94	172.64	0	1	96.46	0	92.07
1576	15.76	1.45	46.3	3	1.88E-09	1.57E-06	8	8.2	0	0	0	0	55.28	14	77.85	0.54	0.33	2.48	168.95	0	1	82.69	0	77.85
1577	15.77	1.15	45.4	3	1.04E-09	6.49E-07	8	6.11	0	0	0	0	53.09	14	67.21	0.46	0.33	2.14	165.57	0	1	72.86	0	67.21
1578	15.78	1.15	43.5	3	6.33E-10	2.34E-07	7	3.63	0	0	0	0	49.36	14	51.85	0.36	0.33	1.65	159.65	0	1	58.5	0	51.85

1579	15.79	0.8	41.4	3	4.62E+10	1.18E-07	7	2.51	0	0	0	0	0	46.61	14	43.14	0.3	0.33	1.37	155.14	0	1	50.98	0	43.14
1580	15.8	0.79	39.5	2	2.93E+10	4.54E-08	6	1.52	0	0	0	0	0	43.53	14	33.56	0.23	0.33	1.07	149.91	0	1	40.98	0	33.56
1581	15.81	0.75	39.5	2	2.80E+10	3.77E-08	6	1.32	0	0	0	0	0	41.39	14	31.32	0.22	0.33	1	146.18	0	1	42.59	0	31.32
1582	15.82	0.71	29.1	2	2.77E+10	3.42E-08	6	1.21	0	0	0	0	0	39.73	14	29.97	0.21	0.33	0.95	143.23	0	1	44.91	0	29.97
1583	15.83	0.73	29.5	3	3.77E+10	5.53E-08	6	1.44	0	0	0	0	0	38.35	14	32.71	0.22	0.33	1.04	140.72	0	1	58.71	0	32.71
1584	15.84	0.87	23.3	3	6.64E+10	1.64E-07	6	2.43	0	0	0	0	0	39.64	14	42.45	0.29	0.33	1.35	143.06	0	1	83.98	0	42.45
1585	15.85	1.12	21.5	3	2.54E+09	1.30E-06	7	5.02	0	0	0	0	0	41.04	14	61.06	0.42	0.33	1.94	145.58	0	1	145.48	0	61.06
1586	15.86	1.51	16.9	4	1.30E+08	1.35E-05	7	10.17	0	0	0	0	0	43.53	14	86.98	0.6	0.33	2.76	149.91	0	1	231.21	0	86.98
1587	15.87	1.96	16.9	4	2.90E+08	5.02E-05	8	16.99	0	0	0	0	0	48.55	14	112.16	0.77	0.33	3.57	158.33	0	1	249.81	0	112.16
1588	15.88	2.18	32.2	4	3.58E+08	8.10E-05	9	22.19	0	0	0	0	0	53.3	14	127.96	0.88	0.33	4.09	165.89	0	1	227.17	0	127.96
1589	15.89	2.18	33.7	4	1.16E+07	4.09E-04	11	34.54	0	0	0	0	0	59.34	14	176.22	1.21	0.33	5.76	175.03	0	1	272.11	0	176.22
1590	15.9	3.98	29.3	5	2.10E+07	9.49E-04	13	44.32	25	34	54.57	68.39	0	0	0	0	0	0.33	0	187.92	-0.04	0	0	97.5	
1591	15.91	4.27	65.5	5	3.92E+07	2.37E-03	16	59.24	30	35	65.14	81.64	0	0	0	0	0	0.33	0	205.31	-0.06	0	0	101.16	
1592	15.92	5.37	91.6	5	5.74E+07	4.26E-03	19	72.85	33	35	74.77	93.71	0	0	0	0	0	0.33	0	219.96	-0.07	0	0	104.33	
1593	15.93	6.89	91.6	5	1.08E+06	1.08E-02	24	97.89	38	37	89.64	112.35	0	0	0	0	0	0.33	0	240.85	-0.1	0	0	108.6	
1594	15.94	9.63	170.1	5	1.40E+06	1.68E-02	27	117.79	42	37	102.88	128.94	0	0	0	0	0	0.33	0	258.02	-0.11	0	0	112.28	
1595	15.95	9.63	203.3	5	2.60E+06	6.19E-02	33	233.98	48	38	116.99	146.63	0	0	0	0	0	0.33	0	275.15	-0.13	0	0	115.85	
1596	15.96	13.74	203.3	5	4.11E+06	1.12E-01	39	266	53	39	133	166.69	0	0	0	0	0	0.33	0	293.37	-0.15	0	0	119.86	
1597	15.97	17.19	312.6	5	5.74E+06	1.75E-01	44	299.11	59	40	149.56	187.44	0	0	0	0	0	0.33	0	311.1	-0.17	0	0	123.77	
1598	15.98	17.33	364.8	5	4.99E+06	1.69E-01	49	331.52	61	41	165.76	207.75	0	0	0	0	0	0.33	0	327.51	-0.18	0	0	126.79	
1599	15.99	17.56	405.7	5	3.75E+06	1.35E-01	51	353.54	61	41	176.77	221.55	0	0	0	0	0	0.33	0	338.22	-0.19	0	0	128.58	
1600	16	17.83	478.2	5	2.91E+06	1.11E-01	52	373.53	61	42	186.77	234.08	0	0	0	0	0	0.33	0	347.65	-0.2	0	0	130.23	
1601	16.01	17.83	524.6	5	2.55E+06	1.02E-01	54	394.56	62	42	197.28	247.26	0	0	0	0	0	0.33	0	357.3	-0.21	0	0	131.99	
1602	16.02	19.16	568.3	5	2.55E+06	1.06E-01	56	407.14	63	42	203.57	255.14	0	0	0	0	0	0.33	0	362.95	-0.21	0	0	133.06	
1603	16.03	19.55	568.3	5	2.34E+06	1.02E-01	58	426.09	64	42	213.05	267.02	0	0	0	0	0	0.33	0	371.3	-0.22	0	0	134.59	
1604	16.04	19.55	675.5	8	2.48E+06	1.11E-01	61	440.41	65	43	220.21	275.99	0	0	0	0	0	0.33	0	377.49	-0.22	0	0	135.74	
1605	16.05	21.7	667.6	8	2.87E+06	1.34E-01	64	457.1	67	43	228.55	286.45	0	0	0	0	0	0.33	0	384.58	-0.23	0	0	137.07	
1606	16.06	23.49	672.3	8	3.91E+06	1.88E-01	67	471.76	71	43	235.88	295.64	0	0	0	0	0	0.33	0	390.7	-0.23	0	0	138.37	
1607	16.07	25.39	736.4	8	4.58E+06	2.28E-01	71	491.57	73	43	245.78	308.05	0	0	0	0	0	0.33	0	398.81	-0.24	0	0	139.98	
1608	16.08	26.69	791.7	8	5.53E+06	2.88E-01	75	511.77	76	44	255.88	320.71	0	0	0	0	0	0.33	0	406.92	-0.24	0	0	141.67	
1609	16.09	29.31	791.7	8	5.78E+06	3.20E-01	80	542.59	79	44	271.3	340.02	0	0	0	0	0	0.33	0	419	-0.25	0	0	143.82	
1610	16.1	30.94	966	8	5.62E+06	3.28E-01	84	572.39	81	45	286.19	358.7	0	0	0	0	0	0.33	0	430.35	-0.26	0	0	145.7	
1611	16.11	30.94	1033.8	8	5.58E+06	3.45E-01	89	607.23	83	45	303.61	380.53	0	0	0	0	0	0.33	0	443.25	-0.27	0	0	147.85	
1612	16.12	34.69	1076.3	8	6.37E+06	4.04E-01	92	622.34	85	45	311.17	390	0	0	0	0	0	0.33	0	448.73	-0.27	0	0	149.02	
1613	16.13	35.69	1056.5	8	7.73E+06	4.90E-01	94	621.37	87	45	310.68	389.39	0	0	0	0	0	0.33	0	448.38	-0.28	0	0	149.43	
1614	16.14	34.37	975.9	8	8.78E+06	5.47E-01	93	611.76	87	45	305.88	383.37	0	0	0	0	0	0.33	0	444.9	-0.27	0	0	149.23	
1615	16.15	35.47	966.8	8	9.62E+06	5.90E-01	87	601.23	87	45	300.61	376.77	0	0	0	0	0	0.33	0	441.06	-0.27	0	0	148.91	
1616	16.16	35.61	950.6	8	1.03E+05	6.33E-01	93	600.48	88	45	300.24	376.3	0	0	0	0	0	0.33	0	440.78	-0.27	0	0	149.13	
1617	16.17	35.61	952.4	8	1.30E+05	8.04E-01	96	605.6	90	45	302.8	379.51	0	0	0	0	0	0.33	0	442.66	-0.28	0	0	150.16	
1618	16.18	40.89	952.4	8	1.53E+05	9.70E-01	99	620.12	93	46	310.06	388.61	0	0	0	0	0	0.33	0	447.93	-0.28	0	0	151.61	
1619	16.19	41.72	1022.1	8	1.74E+05	1.13E+00	100	638.66	95	46	319.33	400.23	0	0	0	0	0	0.33	0	454.58	-0.29	0	0	153.2	
1620	16.2	41.94	1061.9	8	1.52E+05	1.01E+00	100	649.28	95	46	324.64	406.88	0	0	0	0	0	0.33	0	458.34	-0.29	0	0	153.43	
1621	16.21	39.94	1067	8	1.16E+05	7.63E-01	100	643.68	92	46	321.84	403.37	0	0	0	0	0	0.33	0	456.36	-0.28	0	0	152.35	
1622	16.22	34.84	1047.5	8	7.38E+06	4.70E-01	94	624.88	86	45	312.44	391.59	0	0	0	0	0	0.33	0	449.65	-0.28	0	0	150.23	
1623	16.23	29.7	1026.7	8	4.02E+06	2.46E-01	86	598.89	80	45	299.44	376.3	0	0	0	0	0	0.33	0	440.2	-0.27	0	0	147.84	
1624	16.24	25.32	1002.8	8	2.27E+06	1.34E-01	79	577.43	74	44	288.72	361.86	0	0	0	0	0	0.33	0	432.24	-0.26	0	0	146.33	
1625	16.25	23.24	1002.8	8	1.55E+06	5.24E-02	75	330.64	70	44	283.4	355.2	0	0	0	0	0	0.33	0	428.24	-0.26	0	0	145.85	
1626	16.26	19.3	1052.5	9	1.01E+06	3.11E-02	71	302.57	0	0	0	351.43	14	1543.7	10.33	0.33	0.33	51.69	425.97	0	1	73.69	0	1543.7	
1627	16.27	19.3	1129.5	9	6.53E+07	1.87E-02	69	280.59	0	0	0	352.68	14	1431.57	9.57	0.33	0.33	47.47	426.72	0	1	65.64	0	1431.57	
1628	16.28	18.53	1129.5	9	4.41E+07	1.18E-02	67	263.21	0	0	0	355.17	14	1342.91	8.98	0.33	0.33	44.14	428.23	0	1	59	0	1342.91	
1629	16.29	19.51	1163.7	9	4.77E+07	1.34E-02	70	276.02	0	0	0	367.24	14	1408.25	9.41	0.33	0.33	46.34	435.44	0	1	58.9	0	1408.25	

1630	16.3	22.05	1221.3	9	6.15E-07	1.86E-02	73	297.3	0	0	0	377.69	14	1516.82	10.13	0.33	50.16	441.59	0	1	61.83	0	1516.82
1631	16.31	23.09	1221.3	9	7.57E-07	2.43E-02	76	315.55	0	0	0	386.14	14	1609.94	10.74	0.33	53.44	446.51	0	1	64.35	0	1609.94
1632	16.32	23.42	1235.1	9	8.32E-07	2.73E-02	77	321.96	0	0	0	387.33	14	1642.66	10.95	0.33	54.61	447.2	0	1	65.84	0	1642.66
1633	16.33	23.42	1210.9	9	7.74E-07	2.49E-02	76	315.28	0	0	0	384.3	14	1608.58	10.72	0.33	53.37	445.44	0	1	64.96	0	1608.58
1634	16.34	21.65	1194.1	9	6.92E-07	2.15E-02	74	305.02	0	0	0	379.36	14	1556.22	10.36	0.33	51.48	442.57	0	1	63.65	0	1556.22
1635	16.35	21.22	1189	9	6.37E-07	1.93E-02	73	297.18	0	0	0	375.17	14	1516.22	10.09	0.33	50.04	440.12	0	1	62.77	0	1516.22
1636	16.36	21.74	1167.5	9	7.21E-07	2.24E-02	74	304.63	0	0	0	376.1	14	1554.25	10.34	0.33	51.41	440.67	0	1	64.74	0	1554.25
1637	16.37	23.25	1172.7	9	8.32E-07	2.67E-02	75	314.51	0	0	0	378.34	14	1604.64	10.67	0.33	53.21	441.98	0	1	66.97	0	1604.64
1638	16.38	23.34	1182.1	9	9.32E-07	3.06E-02	76	321.96	0	0	0	379.46	14	1642.67	10.91	0.33	54.58	442.63	0	1	68.86	0	1642.67
1639	16.39	23.34	1151.7	9	6.64E-07	1.99E-02	72	294.58	0	0	0	369.09	14	1502.97	9.98	0.33	49.55	436.54	0	1	64.23	0	1502.97
1640	16.4	17.39	1105.8	9	3.78E-07	9.84E-03	66	255.53	0	0	0	354.59	14	1303.73	8.65	0.33	42.44	427.88	0	1	56.98	0	1303.73
1641	16.41	14.97	1105.8	9	1.69E-07	3.54E-03	57	204.91	0	0	0	328.74	14	1045.44	6.93	0.33	33.43	411.99	0	1	48.77	0	1045.44
1642	16.42	12.49	939.6	9	9.84E-08	1.74E-03	51	173.09	0	0	0	306.37	14	883.12	5.85	0.33	27.89	397.72	0	1	44.57	0	883.12
1643	16.43	10.57	867.1	9	6.91E-08	1.05E-03	45	148.59	0	0	0	280.35	14	758.1	5.02	0.33	23.75	380.46	0	1	43.47	0	758.1
1644	16.44	9.73	757.1	9	5.07E-08	6.70E-04	41	129.8	0	0	0	259.57	14	662.23	4.38	0.33	20.59	365.73	0	1	42.64	0	662.23
1645	16.45	8.47	658.7	3	3.60E-08	4.12E-04	37	112.22	0	0	0	238.26	14	572.55	3.79	0.33	17.66	350.74	0	1	41.75	0	572.55
1646	16.46	6.8	600.1	3	2.27E-08	2.22E-04	33	95.86	0	0	0	221.27	14	489.07	3.23	0.33	14.94	338	0	1	39.36	0	489.07
1647	16.47	6.22	567.9	3	1.48E-08	1.27E-04	30	84.43	0	0	0	210.53	14	430.78	2.85	0.33	13.15	329.69	0	1	36.48	0	430.78
1648	16.48	6.02	567.9	3	1.55E-08	1.28E-04	29	80.78	0	0	0	199.67	14	412.14	2.72	0.33	12.57	321.08	0	1	38.71	0	412.14
1649	16.49	6.02	429.3	3	1.91E-08	1.56E-04	28	80.28	0	0	0	191.23	14	409.57	2.7	0.33	12.49	314.22	0	1	42.58	0	409.57
1650	16.5	6.11	416.6	3	2.83E-08	2.33E-04	27	80.69	0	0	0	178.9	14	411.67	2.71	0.33	12.59	303.92	0	1	50.38	0	411.67
1651	16.51	6.11	355.3	3	3.55E-08	2.87E-04	27	79.43	0	0	0	169.1	14	405.26	2.67	0.33	12.45	295.48	0	1	56.31	0	405.26
1652	16.52	5.75	286.1	3	4.25E-08	3.28E-04	25	75.72	0	0	0	155.99	14	386.35	2.54	0.33	11.91	283.8	0	1	63.83	0	386.35
1653	16.53	5.32	248.4	3	3.79E-08	2.67E-04	23	69.07	0	0	0	145.25	14	352.39	2.32	0.33	10.83	273.86	0	1	66.52	0	352.39
1654	16.54	4.68	244.2	3	2.92E-08	1.89E-04	22	63.43	0	0	0	139.87	14	323.63	2.13	0.33	9.88	268.73	0	1	64.57	0	323.63
1655	16.55	4.54	244.2	3	2.24E-08	1.37E-04	22	59.83	0	0	0	138.37	14	305.24	2.01	0.33	9.27	267.29	0	1	60.87	0	305.24
1656	16.56	4.54	248.8	3	3.33E-08	2.24E-04	22	65.74	0	0	0	141.44	14	335.4	2.2	0.33	10.26	270.24	0	1	66.23	0	335.4
1657	16.57	5.95	251.4	4	5.37E-08	4.02E-04	24	73.39	0	0	0	144.95	14	374.45	2.46	0.33	11.57	273.57	0	1	73.21	0	374.45
1658	16.58	6.18	251.7	4	8.01E-08	6.55E-04	25	80.23	0	0	0	147.4	14	409.31	2.69	0.33	12.75	275.87	0	1	79.98	0	409.31
1659	16.59	6.01	249.2	4	8.38E-08	6.92E-04	25	80.95	0	0	0	147.5	14	413.01	2.71	0.33	12.87	275.96	0	1	80.94	0	413.01
1660	16.6	6.1	249.2	4	9.60E-08	7.91E-04	25	80.83	0	0	0	143.7	14	412.37	2.7	0.33	12.88	272.38	0	1	86.19	0	412.37
1661	16.61	6.16	204.9	4	1.08E-07	8.81E-04	24	80.07	0	0	0	139.39	14	408.53	2.68	0.33	12.79	268.27	0	1	91.78	0	408.53
1662	16.62	5.85	200.2	4	1.18E-07	9.50E-04	24	78.86	0	0	0	135.04	14	402.34	2.63	0.33	12.61	264.05	0	1	97.26	0	402.34
1663	16.63	5.85	203	4	8.47E-08	6.32E-04	23	73.17	0	0	0	133.07	14	373.31	2.44	0.33	11.61	262.12	0	1	90.53	0	373.31
1664	16.64	4.94	203	4	6.15E-08	4.29E-04	22	68.35	0	0	0	131.71	14	348.73	2.28	0.33	10.76	260.77	0	1	84.18	0	348.73
1665	16.65	4.81	203	4	5.58E-08	3.62E-04	21	63.66	0	0	0	124.87	14	324.78	2.12	0.33	9.99	253.91	0	1	86.92	0	324.78
1666	16.66	4.84	143.3	4	7.01E-08	4.50E-04	20	62.93	0	0	0	118.44	14	321.09	2.1	0.33	9.93	247.29	0	1	97.99	0	321.09
1667	16.67	4.78	135.4	4	1.00E-07	6.41E-04	19	62.79	0	0	0	110.79	14	320.35	2.09	0.33	9.98	239.17	0	1	116.45	0	320.35
1668	16.68	4.78	125.7	4	1.18E-07	7.67E-04	19	63.81	0	0	0	109.3	14	325.56	2.12	0.33	10.17	237.56	0	1	123.72	0	325.56
1669	16.69	5.06	125.7	4	1.64E-07	1.09E-03	19	65.39	0	0	0	105.51	14	333.6	2.17	0.33	10.49	233.4	0	1	141.2	0	333.6
1670	16.7	5.12	95.9	4	2.17E-07	1.47E-03	19	66.38	0	0	0	101.82	14	338.69	2.21	0.33	10.71	229.29	0	1	159.32	0	338.69
1671	16.71	4.99	90.9	5	2.80E-07	1.89E-03	18	66.09	30	36	77.26	96.83	0	0	0	0	0	0	-0.08	0	0	0	110.27
1672	16.72	4.99	85.2	5	2.99E-07	2.00E-03	18	65.51	30	36	75.65	94.82	0	0	0	0	0	0	-0.07	0	0	0	109.63
1673	16.73	4.99	81.2	5	2.68E-07	1.77E-03	18	64.61	30	36	76.11	95.4	0	0	0	0	0	0	-0.07	0	0	0	110.02
1674	16.74	4.64	97.1	4	1.91E-07	1.25E-03	19	64.18	0	0	0	100.74	14	327.45	2.13	0.33	10.31	228.07	0	1	156.38	0	327.45
1675	16.75	4.71	129.5	4	1.33E-07	8.79E-04	19	65.05	0	0	0	109.1	14	331.88	2.16	0.33	10.35	237.33	0	1.6	128.55	40	331.88
1676	16.76	4.96	152.9	4	1.03E-07	7.04E-04	20	66.82	0	0	0	117.23	14	340.9	2.21	0.33	10.57	246.02	0	1.63	110.65	40	340.9
1677	16.77	4.96	170.5	4	1.39E-07	1.06E-03	22	74.37	0	0	0	123.6	14	379.44	2.46	0.33	11.84	252.62	0	1.75	112.93	40	379.44
1678	16.78	6.27	170.5	4	1.68E-07	1.36E-03	23	79.23	0	0	0	127.29	14	404.24	2.62	0.33	12.66	256.36	0	1.83	114.96	40	404.24
1679	16.79	6.14	175.9	4	2.06E-07	1.74E-03	23	82.83	0	0	0	128.23	14	422.58	2.74	0.33	13.29	257.3	0	1	120.46	0	422.58
1680	16.8	5.9	169.3	4	1.87E-07	1.53E-03	23	80.54	0	0	0	126.94	14	410.91	2.66	0.33	12.88	256.01	0	1	118.72	0	410.91

1732	17.32	23.25	929.2	8	1.55E-06	5.11E-02	73	323.02	68	44	276.92	347.07	0	0	0	0	0.33	0	423.32	-0.25	0	0	0	0	152.69
1733	17.33	24.39	929.3	8	1.71E-06	5.75E-02	74	330.17	68	44	278.19	348.67	0	0	0	0	0.33	0	424.29	-0.25	0	0	0	0	152.9
1734	17.34	24.11	956.3	8	1.77E-06	6.03E-02	75	334.15	69	44	279.78	350.65	0	0	0	0	0.33	0	425.5	-0.25	0	0	0	0	153.17
1735	17.35	24.11	947.8	8	1.38E-06	4.47E-02	72	317.25	67	44	277.77	348.14	0	0	0	0	0.33	0	423.97	-0.25	0	0	0	0	153.07
1736	17.36	20.77	947.8	9	1.03E-06	3.08E-02	69	292.93	0	0	0	339.01	14	1494.56	9.37	0.33	47.42	418.37	0	0	0	1	78.82	0	1494.56
1737	17.37	16.91	891.8	9	6.78E-07	1.81E-02	64	261.67	0	0	0	326.68	14	1335.04	8.36	0.33	41.9	410.69	0	0	0	1	72.67	0	1335.04
1738	17.38	17.42	861	9	5.26E-07	1.29E-02	60	240.68	0	0	0	314.55	14	1227.96	7.69	0.33	38.28	403	0	0	0	1	70.01	0	1227.96
1739	17.39	16.28	825.5	9	4.13E-07	9.44E-03	58	224.12	0	0	0	305.99	14	1143.45	7.15	0.33	35.42	397.48	0	0	0	1	67.17	0	1143.45
1740	17.4	15.36	815.8	9	3.35E-07	7.21E-03	55	211.06	0	0	0	299.28	14	1076.84	6.73	0.33	33.16	393.1	0	0	0	1	64.75	0	1076.84
1741	17.41	14.62	803.6	9	2.66E-07	5.41E-03	54	199.36	0	0	0	294.72	14	1017.15	6.36	0.33	31.13	390.09	0	0	0	1	61.76	0	1017.15
1742	17.42	13.78	801.5	9	2.14E-07	4.13E-03	52	189.24	0	0	0	291.04	14	965.51	6.03	0.33	29.38	387.65	0	0	0	1	58.98	0	965.51
1743	17.43	13.19	801.5	9	1.96E-07	3.66E-03	51	182.56	0	0	0	285.14	14	931.43	5.81	0.33	28.26	383.7	0	0	0	1	58.63	0	931.43
1744	17.44	13.19	732.2	9	1.88E-07	3.40E-03	49	177.69	0	0	0	279.77	14	906.61	5.66	0.33	27.47	380.07	0	0	0	1	58.85	0	906.61
1745	17.45	12.73	730.7	9	2.00E-07	3.59E-03	49	176.19	0	0	0	274.35	14	898.95	5.61	0.33	27.26	376.36	0	0	0	1	60.73	0	898.95
1746	17.46	12.87	712.9	9	1.86E-07	3.29E-03	48	173.14	0	0	0	273.07	14	883.39	5.51	0.33	26.73	375.49	0	0	0	1	59.88	0	883.39
1747	17.47	12.54	724.9	9	1.83E-07	3.21E-03	48	172.32	0	0	0	272.71	14	879.19	5.48	0.33	26.57	375.24	0	0	0	1	59.68	0	879.19
1748	17.48	12.56	727.8	9	1.63E-07	2.79E-03	48	168.59	0	0	0	272.48	14	860.16	5.35	0.33	25.91	375.08	0	0	0	1	57.99	0	860.16
1749	17.49	12.07	727.8	9	1.49E-07	2.52E-03	47	165.73	0	0	0	272.04	14	845.57	5.26	0.33	25.4	374.78	0	0	0	1	56.83	0	845.57
1750	17.5	11.92	731.8	9	1.38E-07	2.29E-03	47	162.78	0	0	0	271.11	14	830.49	5.16	0.33	24.88	374.14	0	0	0	1	55.84	0	830.49
1751	17.51	11.92	726.7	9	1.64E-07	2.85E-03	48	170.08	0	0	0	274.34	14	867.78	5.39	0.33	26.1	376.36	0	0	0	1	57.92	0	867.78
1752	17.52	13.64	743.9	9	1.91E-07	3.45E-03	49	177.01	0	0	0	277.76	14	903.09	5.61	0.33	27.26	378.7	0	0	0	1	59.66	0	903.09
1753	17.53	13.41	754.4	9	2.37E-07	4.51E-03	51	186.49	0	0	0	281.52	14	951.5	5.91	0.33	28.86	381.25	0	0	0	1	62.4	0	951.5
1754	17.54	13.96	743.1	9	2.36E-07	4.48E-03	51	186.15	0	0	0	281.25	14	949.77	5.89	0.33	28.79	381.07	0	0	0	1	62.4	0	949.77
1755	17.55	13.56	740	9	2.61E-07	5.06E-03	51	189.78	0	0	0	281.51	14	968.29	6	0.33	29.41	381.24	0	0	0	1	64.03	0	968.29
1756	17.56	14.19	740	9	2.73E-07	5.31E-03	51	190.85	0	0	0	280.92	14	973.71	6.03	0.33	29.59	380.84	0	0	0	1	64.86	0	973.71
1757	17.57	14.19	726.8	9	4.00E-07	8.46E-03	54	207.38	0	0	0	284.78	14	1058.05	6.55	0.33	32.45	383.45	0	0	0	1	70.84	0	1058.05
1758	17.58	17.11	728.8	9	5.36E-07	1.21E-02	56	221.63	0	0	0	288.69	14	1130.78	7	0.33	34.92	386.08	0	0	0	1	75.58	0	1130.78
1759	17.59	17.24	743.8	9	7.15E-07	1.74E-02	58	238.16	0	0	0	294.45	14	1215.12	7.52	0.33	37.78	389.91	0	0	0	1	80.19	0	1215.12
1760	17.6	17.73	754.8	9	8.66E-07	2.21E-02	60	250.26	0	0	0	298.9	14	1276.86	7.89	0.33	39.87	392.85	0	0	0	1	83.3	0	1276.86
1761	17.61	19.7	754.8	8	1.12E-06	3.03E-02	62	266	61	43	242.09	303.42	0	0	0	0	0.33	0	395.8	-0.23	0	0	0	150.02	
1762	17.62	20.61	758.9	8	1.39E-06	3.96E-02	64	279.67	62	43	244.69	306.68	0	0	0	0	0.33	0	397.92	-0.23	0	0	0	150.32	
1763	17.63	20.66	758.9	8	1.48E-06	4.29E-02	65	284.15	63	43	245.68	307.93	0	0	0	0	0.33	0	398.73	-0.23	0	0	0	150.51	
1764	17.64	20.66	758.9	8	2.09E-06	1.03E-01	66	483.9	65	43	241.95	303.24	0	0	0	0	0.33	0	395.69	-0.22	0	0	0	149.96	
1765	17.65	23.52	642	5	2.79E-06	1.36E-01	66	476.57	66	43	238.29	298.65	0	0	0	0	0.33	0	392.68	-0.22	0	0	0	149.57	
1766	17.66	23.1	655.6	5	3.68E-06	1.75E-01	67	488.34	68	43	234.17	293.49	0	0	0	0	0.33	0	389.28	-0.22	0	0	0	149.23	
1767	17.67	22.83	655.6	5	3.41E-06	1.63E-01	66	468.98	67	43	234.49	293.89	0	0	0	0	0.33	0	389.54	-0.22	0	0	0	149.27	
1768	17.68	22.68	657.2	5	3.28E-06	1.57E-01	66	469.25	67	43	234.62	294.06	0	0	0	0	0.33	0	389.65	-0.22	0	0	0	149.33	
1769	17.69	22.68	662.6	5	2.96E-06	1.41E-01	65	468.93	66	43	234.46	293.86	0	0	0	0	0.33	0	389.52	-0.22	0	0	0	149.3	
1770	17.7	21.55	667.9	5	2.71E-06	1.29E-01	65	468.2	65	43	234.1	293.41	0	0	0	0	0.33	0	389.22	-0.22	0	0	0	149.26	
1771	17.71	21.55	664.2	5	2.41E-06	1.15E-01	64	469.96	65	43	234.98	294.51	0	0	0	0	0.33	0	389.95	-0.22	0	0	0	149.42	
1772	17.72	21.55	693	8	1.98E-06	9.42E-02	63	471.8	63	43	235.9	295.66	0	0	0	0	0.33	0	390.71	-0.22	0	0	0	149.6	
1773	17.73	19.45	713.1	8	1.55E-06	4.36E-02	63	275.96	62	43	236.71	296.68	0	0	0	0	0.33	0	391.38	-0.22	0	0	0	149.83	
1774	17.74	19.19	713.1	8	1.17E-06	3.16E-02	62	264.95	60	43	239.04	299.6	0	0	0	0	0.33	0	393.3	-0.22	0	0	0	150.4	
1775	17.75	19.19	774.3	9	9.80E-07	2.62E-02	62	262	0	0	0	305.96	14	1336.72	8.19	0.33	41.58	397.46	0	0	0	1	84.96	0	1336.72
1776	17.76	18.81	825.5	9	7.92E-07	2.08E-02	62	257.95	0	0	0	313.08	14	1316.08	8.06	0.33	40.69	402.05	0	0	0	1	79.11	0	1316.08
1777	17.77	18.32	845.8	9	6.55E-07	1.68E-02	62	250.95	0	0	0	315.21	14	1280.38	7.84	0.33	39.37	403.42	0	0	0	1	75.01	0	1280.38
1778	17.78	17.69	837.9	9	5.57E-07	1.38E-02	61	242.67	0	0	0	313.94	14	1238.13	7.58	0.33	37.89	402.61	0	0	0	1	72.18	0	1238.13
1779	17.79	17.04	837.9	9	5.09E-07	1.22E-02	59	235.46	0	0	0	309.54	14	1201.32	7.35	0.33	36.67	399.78	0	0	0	1	71.32	0	1201.32
1780	17.8	16.77	800.1	9	4.49E-07	1.05E-02	58	228.29	0	0	0	307.03	14	1164.75	7.12	0.33	35.42	398.15	0	0	0	1	69.51	0	1164.75
1781	17.81	16.15	825.1	9	4.20E-07	9.59E-03	58	224.15	0	0	0	305.15	14	1143.62	6.99	0.33	34.69	396.93	0	0	0	1	68.67	0	1143.62
1782	17.82	16.15	823.1	9	3.11E-07	6.68E-03	56	210.52	0	0	0	302.53	14	1074.08	6.56	0.33	32.32	395.22	0	0	0	1	64.04	0	1074.08

1783	1783	17.83	13.85	817.1	9	2.30E-07	4.60E-03	0	0	0	0	298.16	14	1001.95	6.11	0.33	29.89	392.36	0	1	59.94	0	1001.95
1784	1784	17.84	13.12	817.1	9	1.55E-07	2.84E-03	0	0	0	0	292.76	14	916.1	5.59	0.33	27.04	388.79	0	1	54.98	0	916.1
1785	1785	17.85	12.55	815.3	9	1.34E-07	2.37E-03	0	0	0	0	290.19	14	884.85	5.39	0.33	26	387.08	0	1	53.47	0	884.85
1786	1786	17.86	12.54	804.2	9	1.31E-07	2.27E-03	0	0	0	0	287.09	14	871	5.31	0.33	25.56	385.01	0	1	53.47	0	871
1787	1787	17.87	12.54	775.1	9	1.30E-07	2.24E-03	0	0	0	0	284.28	14	861.86	5.25	0.33	25.28	383.12	0	1	53.85	0	861.86
1788	1788	17.88	12.16	773.5	9	1.33E-07	2.28E-03	0	0	0	0	282.9	14	860.86	5.24	0.33	25.25	382.19	0	1	54.36	0	860.86
1789	1789	17.89	12.5	779.4	9	1.43E-07	2.51E-03	0	0	0	0	284.17	14	876.79	5.33	0.33	25.76	383.04	0	1	55.26	0	876.79
1790	1790	17.9	13.21	779.4	9	1.81E-07	3.32E-03	0	0	0	0	286.26	14	920.99	5.6	0.33	27.21	384.45	0	1	58.32	0	920.99
1791	1791	17.91	14.02	762.6	9	2.15E-07	4.11E-03	0	0	0	0	288.24	14	957.16	5.82	0.33	28.39	385.77	0	1	60.68	0	957.16
1792	1792	17.92	14.02	776.6	9	2.98E-07	6.11E-03	0	0	0	0	291.83	14	1027.67	6.24	0.33	30.73	388.17	0	1	65.33	0	1027.67
1793	1793	17.93	16.17	773.3	9	4.04E-07	8.92E-03	0	0	0	0	297.09	14	1105.58	6.71	0.33	33.31	391.65	0	1	69.69	0	1105.58
1794	1794	17.94	17.29	782.1	9	5.47E-07	1.29E-02	0	0	0	0	301.4	14	1184.73	7.19	0.33	35.96	394.48	0	1	74.5	0	1184.73
1795	1795	17.95	17.34	782.1	9	5.86E-07	1.43E-02	0	0	0	0	306.19	14	1218.8	7.39	0.33	37.04	397.61	0	1	74.97	0	1218.8
1796	1796	17.96	17.6	825.6	9	5.80E-07	1.42E-02	0	0	0	0	309.69	14	1226.44	7.43	0.33	37.25	399.23	0	1	74.34	0	1226.44
1797	1797	17.97	17.61	817.4	9	5.83E-07	1.44E-02	0	0	0	0	308.99	14	1232.86	7.47	0.33	37.43	400.06	0	1	74.24	0	1232.86
1798	1798	17.98	17.61	798	9	6.25E-07	1.55E-02	0	0	0	0	308.49	14	1242.23	7.52	0.33	37.77	399.09	0	1	75.86	0	1242.23
1799	1799	18	18	791.7	9	7.07E-07	1.79E-02	0	0	0	0	308.45	14	1270.13	7.68	0.33	38.72	399.07	0	1	78.33	0	1270.13
1800	1800	18	18.79	794	9	8.25E-07	2.17E-02	0	0	0	0	310.26	14	1315.84	7.94	0.33	40.2	400.24	0	1	81.16	0	1315.84
1801	1801	18.01	19.45	794	9	8.88E-07	2.39E-02	0	0	0	0	314.22	14	1348.53	8.15	0.33	41.32	402.78	0	1	81.96	0	1348.53
1802	1802	18.02	19.46	830.6	9	8.88E-07	2.42E-02	0	0	0	0	317.91	14	1364.44	8.24	0.33	41.79	405.14	0	1	81.29	0	1364.44
1803	1803	18.03	19.46	842.7	9	8.99E-07	2.50E-02	0	0	0	0	323.49	14	1391.48	8.4	0.33	42.61	408.68	0	1	80.54	0	1391.48
1804	1804	18.04	20.59	866.4	9	1.05E-06	3.03E-02	0	0	0	0	328.32	14	1451.36	8.75	0.33	44.61	411.72	0	1	82.84	0	1451.36
1805	1805	18.05	21.97	866.4	8	1.18E-06	3.56E-02	63	43	266.54	334.06	0	0	0	0	0.33	0	415.31	-0.24	0	0	156.54	0
1806	1806	18.06	21.9	895.8	8	1.29E-06	3.98E-02	64	43	269.63	337.94	0	0	0	0	0.33	0	417.71	-0.24	0	0	156.99	0
1807	1807	18.07	22.31	901.2	8	1.29E-06	4.02E-02	65	43	271.86	340.74	0	0	0	0	0.33	0	419.44	-0.24	0	0	157.37	0
1808	1808	18.08	22.53	903.1	8	1.34E-06	4.23E-02	65	43	272.43	341.44	0	0	0	0	0.33	0	419.87	-0.24	0	0	157.5	0
1809	1809	18.09	22.53	896.3	8	1.36E-06	4.30E-02	65	43	271.94	340.83	0	0	0	0	0.33	0	419.49	-0.24	0	0	157.49	0
1810	1810	18.1	22.38	888.9	8	1.36E-06	4.27E-02	65	43	271.11	339.79	0	0	0	0	0.33	0	418.86	-0.24	0	0	157.45	0
1811	1811	18.11	22.29	888.9	8	1.29E-06	4.03E-02	65	43	271.57	340.37	0	0	0	0	0.33	0	419.21	-0.24	0	0	157.61	0
1812	1812	18.12	22.03	913.4	8	1.25E-06	3.87E-02	64	43	271.88	340.75	0	0	0	0	0.33	0	419.45	-0.24	0	0	157.74	0
1813	1813	18.13	22.03	900.3	9	1.12E-06	3.38E-02	69	0	0	0	338.91	14	1515.85	9.1	0.33	46.48	418.31	0	1	82.57	0	1515.85
1814	1814	18.14	20.66	885.1	9	1.03E-06	3.05E-02	68	289.26	0	0	334.55	14	1475.82	8.85	0.33	45.13	415.61	0	1	81.75	0	1475.82
1815	1815	18.15	20.35	868.3	9	9.52E-07	2.74E-02	67	282.07	0	0	331.17	14	1439.13	8.63	0.33	43.89	413.51	0	1	80.65	0	1439.13
1816	1816	18.16	20.49	869.6	9	9.66E-07	2.77E-02	67	281.36	0	0	329.42	14	1435.53	8.6	0.33	43.78	412.41	0	1	81.31	0	1435.53
1817	1817	18.17	20.51	857.3	9	9.48E-07	2.71E-02	66	280.1	0	0	329.11	14	1429.1	8.56	0.33	43.54	412.22	0	1	80.99	0	1429.1
1818	1818	18.18	20.08	867	9	9.21E-07	2.61E-02	66	278.19	0	0	328.57	14	1419.33	8.5	0.33	43.19	411.88	0	1	80.52	0	1419.33
1819	1819	18.19	20.08	867	9	8.60E-07	2.36E-02	64	269.28	0	0	321.97	14	1373.86	8.22	0.33	41.71	407.73	0	1	80.35	0	1373.86
1820	1820	18.2	18.6	779.6	9	8.60E-07	2.30E-02	63	262.35	0	0	313.71	14	1338.52	8	0.33	40.62	402.46	0	1	81.93	0	1338.52
1821	1821	18.21	18.6	755	9	8.01E-07	2.05E-02	61	250.66	0	0	303.61	14	1278.86	7.64	0.33	38.71	395.93	0	1	82.49	0	1278.86
1822	1822	18.22	17.58	744.3	9	6.94E-07	1.71E-02	59	241.24	0	0	299.89	14	1230.81	7.35	0.33	37.09	393.49	0	1	80.31	0	1230.81
1823	1823	18.23	16.58	753.7	9	5.22E-07	1.20E-02	57	226.01	0	0	295.83	14	1153.12	6.88	0.33	34.47	390.82	0	1	75.49	0	1153.12
1824	1824	18.24	15.34	747.4	9	4.04E-07	8.79E-03	55	213.66	0	0	292.97	14	1090.12	6.5	0.33	32.34	388.93	0	1	71.27	0	1090.12
1825	1825	18.25	14.93	747.4	9	3.78E-07	8.03E-03	54	208.58	0	0	289.42	14	1064.18	6.35	0.33	31.5	386.57	0	1	70.78	0	1064.18
1826	1826	18.26	15.49	715.5	9	3.96E-07	8.46E-03	54	209.3	0	0	287.93	14	1067.87	6.36	0.33	31.63	385.57	0	1	71.96	0	1067.87
1827	1827	18.27	15.49	718.6	9	4.41E-07	9.51E-03	54	211.79	0	0	285.82	14	1080.57	6.44	0.33	32.09	384.16	0	1	74.38	0	1080.57
1828	1828	18.28	15.47	701.5	9	4.55E-07	9.81E-03	54	211.57	0	0	283.9	14	1079.44	6.43	0.33	32.07	382.86	0	1	75.41	0	1079.44
1829	1829	18.29	15.45	684.2	9	4.71E-07	1.00E-02	53	209.2	0	0	278.97	14	1067.32	6.35	0.33	31.72	379.52	0	1	77.16	0	1067.32
1830	1830	18.3	14.98	647.7	9	4.96E-07	1.05E-02	53	208.42	0	0	275.3	14	1063.35	6.32	0.33	31.63	377.02	0	1	79.05	0	1063.35
1831	1831	18.31	15.3	645.4	9	5.60E-07	1.20E-02	53	210.11	0	0	271.5	14	1071.99	6.37	0.33	31.98	374.41	0	1	82.48	0	1071.99
1832	1832	18.32	15.81	617.4	9	6.32E-07	1.38E-02	53	213.96	0	0	270.49	14	1091.61	6.48	0.33	32.66	373.71	0	1	85.35	0	1091.61
1833	1833	18.33	15.81	617.4	9	6.72E-07	1.48E-02	53	216.18	0	0	270.28	14	1102.95	6.55	0.33	33.04	373.56	0	1	86.78	0	1102.95

1834	18.34	15.78	633.5	9	6.21E-07	1.36E-02	0	0	0	0	271.61	14	1092.57	6.48	0.33	32.64	374.48	0	1	84.74	0	1092.57
1835	18.35	15.37	644.3	9	5.89E-07	1.26E-02	0	0	0	0	271.65	14	1080.45	6.41	0.33	32.21	374.51	0	1	83.43	0	1080.45
1836	18.36	15.3	625.9	9	5.42E-07	1.15E-02	53	52	53	208.28	0	14	1062.65	6.3	0.33	31.6	373.87	0	1	82.16	0	1062.65
1837	18.37	15.03	631.2	9	4.94E-07	1.02E-02	51	50	51	202.32	0	14	1032.26	6.11	0.33	30.6	371.6	0	1	81.06	0	1032.26
1838	18.38	14.1	614.9	9	4.01E-07	7.85E-03	50	47	50	192.01	0	14	979.64	5.8	0.33	28.86	368.9	0	1	77.82	0	979.64
1839	18.39	13.09	604.5	9	3.00E-07	5.43E-03	47	46	47	177.92	0	14	907.75	5.37	0.33	26.51	364.59	0	1	73.69	0	907.75
1840	18.4	12.01	591.4	9	2.40E-07	4.11E-03	46	44	46	168.18	0	14	858.09	5.07	0.33	24.89	361.71	0	1	70.57	0	858.09
1841	18.41	12.01	591.4	9	1.71E-07	2.70E-03	44	42	44	154.89	0	14	790.27	4.67	0.33	22.7	357.86	0	1	65.99	0	790.27
1842	18.42	10.24	577.7	4	1.38E-07	2.06E-03	42	41	42	147.05	0	14	750.25	4.43	0.33	21.41	355.64	0	1	63.1	0	750.25
1843	18.43	10.33	578.6	4	1.08E-07	1.54E-03	42	42	42	139.62	0	14	712.33	4.21	0.33	20.18	354.07	0	1	59.87	0	712.33
1844	18.44	10.42	592.6	4	1.19E-07	1.73E-03	44	43	44	142.69	0	14	728	4.3	0.33	20.67	355.06	0	1	60.99	0	728
1845	18.45	10.9	583.4	4	1.53E-07	2.35E-03	43	45	43	150.34	0	14	767.02	4.52	0.33	21.92	356.09	0	1	64.81	0	767.02
1846	18.46	11.97	563.7	4	2.00E-07	3.23E-03	44	44	44	158.18	0	14	807.02	4.76	0.33	23.22	356.57	0	1	69.21	0	807.02
1847	18.47	12.1	566.9	4	2.65E-07	4.53E-03	45	45	45	167.49	0	14	854.56	5.03	0.33	24.78	357.68	0	1	74	0	854.56
1848	18.48	12.9	566.9	4	2.86E-07	5.01E-03	46	47	46	171.82	0	14	876.65	5.16	0.33	25.46	359.81	0	1	74.71	0	876.65
1849	18.49	12.9	591	9	3.30E-07	6.02E-03	47	47	47	178.96	0	14	913.07	5.37	0.33	26.61	362.49	0	1	76.56	0	913.07
1850	18.5	13.63	595.2	9	3.41E-07	6.34E-03	48	48	48	182.28	0	14	929.98	5.47	0.33	27.11	364.7	0	1	76.48	0	929.98
1851	18.51	13.61	601.2	9	3.68E-07	7.01E-03	49	49	49	187.07	0	14	954.42	5.61	0.33	27.87	366.99	0	1	77.17	0	954.42
1852	18.52	13.93	621.6	9	3.75E-07	7.29E-03	50	50	50	190.57	0	14	972.31	5.71	0.33	28.4	369.72	0	1	76.67	0	972.31
1853	18.53	14.38	641.5	9	3.88E-07	7.68E-03	50	50	50	193.96	0	14	989.58	5.81	0.33	28.91	371.84	0	1	76.65	0	989.58
1854	18.54	14.34	634.7	9	3.43E-07	6.65E-03	50	49	50	189.86	0	14	968.7	5.69	0.33	28.19	372.02	0	1	74.26	0	968.7
1855	18.55	13.05	641.3	9	2.95E-07	5.53E-03	49	49	49	183.64	0	14	936.94	5.5	0.33	27.14	370.91	0	1	71.84	0	936.94
1856	18.56	13.05	641.3	9	2.68E-07	4.94E-03	49	49	49	180.9	0	14	922.97	5.41	0.33	26.65	371.41	0	1	69.95	0	922.97
1857	18.57	13.75	657.1	9	2.79E-07	5.22E-03	49	49	49	183.97	0	14	938.65	5.5	0.33	27.12	373.2	0	1	70.14	0	938.65
1858	18.58	13.71	668.9	9	2.81E-07	5.29E-03	49	48	49	184.63	0	14	941.97	5.52	0.33	27.21	373.53	0	1	70.24	0	941.97
1859	18.59	13.19	645.4	9	2.38E-07	4.28E-03	48	48	48	176.71	0	14	901.57	5.28	0.33	25.9	371.02	0	1	68.08	0	901.57
1860	18.6	12.05	632.3	9	1.88E-07	3.16E-03	46	46	46	165.16	0	14	842.65	4.93	0.33	24.04	366.43	0	1	65.48	0	842.65
1861	18.61	11.23	614	4	1.39E-07	2.18E-03	44	44	44	153.59	0	14	783.61	4.58	0.33	22.15	363.1	0	1	61.62	0	783.61
1862	18.62	10.71	623.1	4	1.12E-07	1.68E-03	43	43	43	146.18	0	14	745.81	4.36	0.33	20.94	361.13	0	1	58.94	0	745.81
1863	18.63	10.47	623.1	3	9.91E-08	1.44E-03	42	42	42	142.59	0	14	727.52	4.25	0.33	20.35	360.75	0	1	57.21	0	727.52
1864	18.64	10.47	623.1	4	1.16E-07	1.64E-03	41	40	41	138.57	0	14	707.01	4.13	0.33	19.85	350.52	0	1	62.59	0	707.01
1865	18.65	9.85	414.3	4	1.71E-07	2.44E-03	40	40	40	140.46	0	14	716.63	4.18	0.33	20.33	340.88	0	1	72.45	0	716.63
1866	18.66	10.87	416.7	4	3.22E-07	4.93E-03	40	40	40	150.09	0	14	765.77	4.47	0.33	22.11	332.67	0	1	88.97	0	765.77
1867	18.67	12.53	434.2	4	4.52E-07	7.57E-03	42	42	42	164.3	0	14	838.25	4.89	0.33	24.43	337.57	0	1	94.48	0	838.25
1868	18.68	12.89	453.3	4	5.37E-07	9.49E-03	44	44	44	173.2	0	14	883.69	5.15	0.33	25.87	341.22	0	1	96.88	0	883.69
1869	18.69	12.78	453.3	4	5.21E-07	9.36E-03	45	45	45	176.27	0	14	899.35	5.24	0.33	26.29	345.19	0	1	94.24	0	899.35
1870	18.7	13.19	496.3	4	5.03E-07	9.10E-03	45	46	45	177.65	0	14	906.38	5.27	0.33	26.46	347.66	0	1	92.26	0	906.38
1871	18.71	13.19	494.5	4	4.96E-07	9.08E-03	46	46	46	180.18	0	14	916.12	5.33	0.33	26.72	349.93	0	1	90.97	0	916.12
1872	18.72	13.19	489.6	4	5.20E-07	9.54E-03	46	46	46	182.29	0	14	930.03	5.4	0.33	27.2	348.69	0	1	94.49	0	930.03
1873	18.73	13.32	477.5	4	5.61E-07	1.04E-02	46	46	46	182.29	0	14	916.12	5.33	0.33	26.72	349.93	0	1	90.97	0	916.12
1874	18.74	13.64	479.7	4	5.89E-07	1.11E-02	46	46	46	184.36	0	14	940.62	5.46	0.33	27.53	349.12	0	1	95.52	0	940.62
1875	18.75	13.64	490.4	4	5.94E-07	1.13E-02	47	47	47	186.27	0	14	950.37	5.52	0.33	27.81	350.67	0	1	95.02	0	950.37
1876	18.76	13.73	500.2	4	5.79E-07	1.10E-02	47	47	47	186.71	0	14	952.58	5.53	0.33	27.84	351.87	0	1	93.9	0	952.58
1877	18.77	13.73	500.6	4	4.60E-07	8.38E-03	46	46	46	178.84	0	14	912.43	5.29	0.33	26.48	351.65	0	1	88.69	0	912.43
1878	18.78	11.95	511.6	4	3.12E-07	5.24E-03	44	44	44	164.89	0	14	841.28	4.87	0.33	24.13	349.75	0	1	81.16	0	841.28
1879	18.79	10.75	511.6	4	1.92E-07	2.88E-03	41	41	41	146.93	0	14	749.63	4.34	0.33	21.19	344.89	0	1	73.61	0	749.63
1880	18.8	9.89	473.8	4	1.39E-07	1.89E-03	39	39	39	133.81	0	14	682.68	3.95	0.33	19.11	338.99	0	1	69.89	0	682.68
1881	18.81	9.14	450.5	4	1.12E-07	1.41E-03	37	37	37	124.07	0	14	633.02	3.66	0.33	17.6	332.88	0	1	68.38	0	633.02
1882	18.82	8.66	436.5	4	9.39E-08	1.12E-03	35	35	35	116.83	0	14	596.09	3.45	0.33	16.48	328.13	0	1	67.2	0	596.09
1883	18.83	8.34	416.9	4	9.55E-08	1.13E-03	35	35	35	115.69	0	14	590.27	3.41	0.33	16.32	326.05	0	1	68.3	0	590.27
1884	18.84	8.9	417	4	9.86E-08	1.17E-03	35	35	35	116.22	0	14	592.98	3.42	0.33	16.4	325.84	0	1	68.98	0	592.98

1885	18.85	8.78	429.7	4	1.03E-07	1.22E-03	0	0	0	204.62	14	594.57	3.43	0.33	16.46	325.04	0	0	1	70.08	0	594.57
1886	18.86	8.4	400.5	4	9.89E-08	1.15E-03	0	0	0	202	14	582.82	3.36	0.33	16.1	322.95	0	0	1	70.25	0	582.82
1887	18.87	8.4	389.3	4	1.16E-07	1.36E-03	0	0	0	198.75	14	589.96	3.4	0.33	16.37	320.34	0	0	1	74.26	0	589.96
1888	18.88	9.08	378.1	4	1.54E-07	1.91E-03	0	0	0	197.96	14	618.84	3.57	0.33	17.3	319.7	0	0	1	80.2	0	618.84
1889	18.89	9.62	366.9	4	2.08E-07	2.59E-03	0	0	0	197.9	14	648.33	3.73	0.33	18.26	319.66	0	0	1	85.71	0	648.33
1890	18.9	9.64	366.9	4	1.70E-07	2.09E-03	0	0	0	193.15	14	614.72	3.54	0.33	17.22	315.8	0	0	1	84.26	0	614.72
1891	18.91	7.67	338.7	4	1.14E-07	1.26E-03	0	0	0	187.41	14	554.68	3.19	0.33	15.35	311.07	0	0	1	78.36	0	554.68
1892	18.92	7.1	335	4	6.92E-08	6.80E-04	0	0	0	181.63	14	491.31	2.83	0.33	13.39	306.24	0	0	1	71.2	0	491.31
1893	18.93	6.98	340.6	3	4.47E-08	4.01E-04	0	0	0	179.92	14	449.55	2.58	0.33	12.09	304.78	0	0	1	64.32	0	449.55
1894	18.94	5.91	351.9	3	3.00E-08	2.50E-04	0	0	0	179.63	14	417.68	2.4	0.33	11.1	304.54	0	0	1	58.25	0	417.68
1895	18.95	5.76	361.5	3	2.03E-08	1.56E-04	0	0	0	177.61	14	384.83	2.21	0.33	10.21	302.82	0	0	1	52.82	0	384.83
1896	18.96	5.6	357.6	3	1.73E-08	1.29E-04	0	0	0	177.5	14	373.71	2.14	0.33	9.91	302.73	0	0	1	50.56	0	373.71
1897	18.97	5.45	367.5	3	1.57E-08	1.15E-04	0	0	0	177.13	14	366.3	2.1	0.33	9.71	302.42	0	0	1	49.28	0	366.3
1898	18.98	5.45	367.5	3	3.56E-08	3.14E-04	0	0	0	183.97	14	441.13	2.53	0.33	11.75	308.2	0	0	1	59.56	0	441.13
1899	18.99	8.74	353.8	4	8.87E-08	9.47E-04	0	0	0	189.09	14	534.85	3.06	0.33	14.63	312.46	0	0	1	73.19	0	534.85
1900	19	9.38	353	4	2.64E-07	3.51E-03	0	0	0	192.78	14	664.51	3.81	0.33	18.77	315.49	0	0	1	94.88	0	664.51
1901	19.01	10.89	322.8	4	3.91E-07	5.61E-03	0	0	0	193.87	14	717.36	4.11	0.33	20.48	316.38	0	0	1	104.28	0	717.36
1902	19.02	10.96	335.4	5	5.09E-07	7.71E-03	43	40	155.97	195.49	0	0	0	0	0	317.7	-0.16	0	0	0	144.19	
1903	19.03	11.11	349.7	5	4.52E-07	6.80E-03	43	40	158.21	198.29	0	0	0	0	0	319.97	-0.16	0	0	0	144.92	
1904	19.04	10.67	359.7	4	3.96E-07	5.86E-03	0	0	0	199.9	14	741.14	4.24	0.33	21.14	321.27	0	0	1	101.7	0	741.14
1905	19.05	10.46	361.9	4	3.49E-07	5.06E-03	0	0	0	200.24	14	725.68	4.15	0.33	20.61	321.54	0	0	1	98.39	0	725.68
1906	19.06	10.46	362.6	4	3.30E-07	4.75E-03	0	0	0	201.17	14	721.59	4.12	0.33	20.45	322.28	0	0	1	96.61	0	721.59
1907	19.07	10.5	373.5	4	3.37E-07	4.91E-03	0	0	0	202.47	14	729.23	4.16	0.33	20.67	323.33	0	0	1	96.61	0	729.23
1908	19.08	10.78	373.5	4	3.08E-07	4.47E-03	0	0	0	205.11	14	726.74	4.14	0.33	20.54	325.42	0	0	1	93.33	0	726.74
1909	19.09	10.36	397.7	4	2.66E-07	3.77E-03	0	0	0	206.2	14	711.29	4.05	0.33	20	326.29	0	0	1	89.49	0	711.29
1910	19.1	9.85	397.2	4	2.11E-07	2.90E-03	0	0	0	207.76	14	687.69	3.92	0.33	19.2	327.52	0	0	1	83.91	0	687.69
1911	19.11	9.79	409.8	4	1.86E-07	2.51E-03	0	0	0	208.4	14	674.22	3.84	0.33	18.74	328.03	0	0	1	81.07	0	674.22
1912	19.12	9.79	415.5	4	1.67E-07	2.22E-03	0	0	0	208.81	14	662.6	3.77	0.33	18.35	328.35	0	0	1	78.8	0	662.6
1913	19.13	9.36	410.8	4	1.51E-07	1.96E-03	0	0	0	207.76	14	647.39	3.68	0.33	17.87	327.52	0	0	1	77.21	0	647.39
1914	19.14	9.15	406.2	4	1.34E-07	1.69E-03	0	0	0	206.12	14	628.48	3.57	0.33	17.27	326.23	0	0	1	75.49	0	628.48
1915	19.15	9	406.8	4	1.27E-07	1.57E-03	0	0	0	205.39	14	619.82	3.52	0.33	17	325.64	0	0	1	74.7	0	619.82
1916	19.16	9	406.8	4	1.24E-07	1.52E-03	0	0	0	204.32	14	613.88	3.49	0.33	16.81	324.8	0	0	1	74.63	0	613.88
1917	19.17	8.91	395.6	4	1.06E-07	1.25E-03	0	0	0	202.88	14	592.26	3.36	0.33	16.14	323.65	0	0	1	72.19	0	592.26
1918	19.18	8.09	403.6	4	9.51E-08	1.10E-03	0	0	0	202.39	14	579.77	3.29	0.33	15.74	323.26	0	0	1	70.5	0	579.77
1919	19.19	8.48	409.7	4	8.58E-08	9.73E-04	0	0	0	201.82	14	567.53	3.22	0.33	15.35	322.81	0	0	1	68.91	0	567.53
1920	19.2	8.39	397.3	4	1.05E-07	1.24E-03	0	0	0	202.28	14	590.12	3.34	0.33	16.05	323.17	0	0	1	72.43	0	590.12
1921	19.21	9.04	390.7	4	1.17E-07	1.41E-03	0	0	0	201.99	14	600.85	3.4	0.33	16.39	322.94	0	0	1	74.56	0	600.85
1922	19.22	8.93	396.6	4	1.22E-07	1.47E-03	0	0	0	202.57	14	606.64	3.43	0.33	16.56	323.4	0	0	1	75.1	0	606.64
1923	19.23	8.64	400.1	4	1.09E-07	1.30E-03	0	0	0	203.33	14	596.99	3.38	0.33	16.23	324.01	0	0	1	72.83	0	596.99
1924	19.24	8.64	408.2	4	8.71E-08	9.84E-04	0	0	0	200.75	14	565.98	3.2	0.33	15.28	321.95	0	0	1	69.67	0	565.98
1925	19.25	7.62	385.8	4	6.93E-08	7.42E-04	0	0	0	198.02	14	535.71	3.03	0.33	14.35	319.75	0	0	1	66.65	0	535.71
1926	19.26	7.37	387.5	3	5.48E-08	5.52E-04	0	0	0	194.58	14	504.46	2.85	0.33	13.41	316.96	0	0	1	63.88	0	504.46
1927	19.27	7.32	387.5	3	5.09E-08	5.03E-04	0	0	0	193.3	14	494.56	2.79	0.33	13.11	315.92	0	0	1	63.14	0	494.56
1928	19.28	7.21	376.4	3	4.86E-08	4.70E-04	0	0	0	191.1	14	484.79	2.74	0.33	12.83	314.12	0	0	1	63.11	0	484.79
1929	19.29	6.96	365.3	3	4.72E-08	4.47E-04	0	0	0	188.05	14	474.52	2.68	0.33	12.54	311.6	0	0	1	63.65	0	474.52
1930	19.3	6.89	354.2	3	4.24E-08	3.88E-04	0	0	0	184.78	14	457.46	2.58	0.33	12.04	308.88	0	0	1	63.07	0	457.46
1931	19.31	6.49	346.8	3	3.82E-08	3.37E-04	0	0	0	182.08	14	442.26	2.49	0.33	11.6	306.62	0	0	1	62.32	0	442.26
1932	19.32	6.32	342.2	3	3.45E-08	2.96E-04	0	0	0	180.05	14	429.28	2.42	0.33	11.22	304.9	0	0	1	61.44	0	429.28
1933	19.33	6.35	338.1	3	3.02E-08	2.52E-04	0	0	0	178.96	14	416.67	2.35	0.33	10.84	303.97	0	0	1	59.8	0	416.67
1934	19.34	5.96	343.9	3	2.86E-08	2.34E-04	0	0	0	177.08	14	408.26	2.3	0.33	10.61	302.37	0	0	1	59.56	0	408.26
1935	19.35	5.96	325.7	3	2.59E-08	2.05E-04	0	0	0	175.15	14	396.52	2.23	0.33	10.3	300.72	0	0	1	58.54	0	396.52

1936	1936	19.36	5.86	326.1	3	2.54E-08	1.99E-04	27	76.7	0	0	0	0	0	0	173.44	14	391.32	2.2	0.33	10.16	299.25	0	0	1	58.82	0	391.32
1937	1937	19.37	5.75	326.1	3	2.40E-08	1.84E-04	26	75.17	0	0	0	0	0	0	171.79	14	383.53	2.15	0.33	9.95	297.82	0	0	1	58.44	0	383.53
1938	1938	19.38	5.64	312.5	3	2.39E-08	1.82E-04	26	74.61	0	0	0	0	0	0	170.58	14	380.69	2.14	0.33	9.88	296.77	0	0	1	58.85	0	380.69
1939	1939	19.39	5.74	312.3	3	2.59E-08	1.99E-04	26	75.14	0	0	0	0	0	0	169.32	14	383.39	2.15	0.33	9.94	295.67	0	0	1	60.69	0	383.39
1940	1940	19.4	5.86	303.8	3	2.73E-08	2.11E-04	26	75.75	0	0	0	0	0	0	169.05	14	386.47	2.17	0.33	10.01	295.44	0	0	1	61.74	0	386.47
1941	1941	19.41	5.77	304	3	2.89E-08	2.25E-04	26	76.45	0	0	0	0	0	0	168.94	14	390.04	2.19	0.33	10.1	295.34	0	0	1	62.78	0	390.04
1942	1942	19.42	5.89	305.5	3	2.52E-08	1.91E-04	26	74.46	0	0	0	0	0	0	168.62	14	379.9	2.13	0.33	9.83	295.06	0	0	1	60.56	0	379.9
1943	1943	19.43	5.44	312.6	3	2.27E-08	1.70E-04	26	73.3	0	0	0	0	0	0	169.12	14	373.96	2.09	0.33	9.68	295.49	0	0	1	58.66	0	373.96
1944	1944	19.44	5.52	319	3	2.02E-08	1.47E-04	26	71.57	0	0	0	0	0	0	168.72	14	365.18	2.04	0.33	9.44	295.15	0	0	1	56.88	0	365.18
1945	1945	19.45	5.52	312.2	3	2.43E-08	1.85E-04	26	74.72	0	0	0	0	0	0	170.35	14	381.22	2.13	0.33	9.85	296.57	0	0	1	59.4	0	381.22
1946	1946	19.46	6.11	312.2	3	3.51E-08	2.86E-04	27	79.99	0	0	0	0	0	0	170.66	14	408.13	2.28	0.33	10.59	296.84	0	0	1	65.57	0	408.13
1947	1947	19.47	6.65	290.6	4	5.64E-08	5.01E-04	28	87.21	0	0	0	0	0	0	170.72	14	444.92	2.49	0.33	11.71	296.89	0	0	1	73.96	0	444.92
1948	1948	19.48	7.06	281.5	4	7.72E-08	7.22E-04	29	91.75	0	0	0	0	0	0	169.69	14	468.13	2.61	0.33	12.44	296	0	0	1	80.65	0	468.13
1949	1949	19.49	7.09	281.2	4	8.61E-08	8.26E-04	29	94.1	0	0	0	0	0	0	170.62	14	480.1	2.68	0.33	12.79	296.81	0	0	1	82.49	0	480.1
1950	1950	19.5	7.15	292.8	4	9.63E-08	9.42E-04	29	95.94	0	0	0	0	0	0	170.46	14	489.47	2.73	0.33	13.08	296.67	0	0	1	85	0	489.47
1951	1951	19.51	7.46	272.5	4	1.17E-07	1.20E-03	30	100.19	0	0	0	0	0	0	171.78	14	511.19	2.85	0.33	13.73	297.82	0	0	1	88.71	0	511.19
1952	1952	19.52	8	281.8	4	1.38E-07	1.46E-03	31	104.18	0	0	0	0	0	0	173.57	14	531.55	2.96	0.33	14.35	299.36	0	0	1	91.43	0	531.55
1953	1953	19.53	8.01	300.3	4	1.37E-07	1.50E-03	31	106.75	0	0	0	0	0	0	177.85	14	544.63	3.03	0.33	14.69	303.03	0	0	1	89.24	0	544.63
1954	1954	19.54	8.01	315	4	1.37E-07	1.52E-03	32	108.9	0	0	0	0	0	0	181.52	14	555.6	3.09	0.33	14.98	306.14	0	0	1	87.43	0	555.6
1955	1955	19.55	8.46	318.9	4	1.36E-07	1.53E-03	32	110.37	0	0	0	0	0	0	184.32	14	563.13	3.13	0.33	15.17	308.49	0	0	1	85.93	0	563.13
1956	1956	19.56	8.32	329.4	4	1.35E-07	1.53E-03	32	111.15	0	0	0	0	0	0	185.72	14	567.07	3.15	0.33	15.27	309.66	0	0	1	85.26	0	567.07
1957	1957	19.57	8.17	329.4	4	9.38E-08	9.98E-04	32	104.7	0	0	0	0	0	0	187	14	594.2	2.97	0.33	14.21	310.73	0	0	1	77.2	0	594.2
1958	1958	19.58	7.08	358.4	4	8.46E-08	8.92E-04	32	103.44	0	0	0	0	0	0	188.17	14	527.77	2.93	0.33	13.99	311.7	0	0	1	74.83	0	527.77
1959	1959	19.59	8.05	349	4	6.72E-08	6.79E-04	31	99.16	0	0	0	0	0	0	188.03	14	505.9	2.81	0.33	13.31	311.59	0	0	1	70.69	0	505.9
1960	1960	19.6	7.26	344.6	4	6.58E-08	6.55E-04	31	97.73	0	0	0	0	0	0	186.06	14	498.6	2.77	0.33	13.1	309.95	0	0	1	71.06	0	498.6
1961	1961	19.61	6.77	337.8	3	4.78E-08	4.41E-04	29	90.54	0	0	0	0	0	0	182.65	14	461.92	2.56	0.33	12.01	307.09	0	0	1	66.78	0	461.92
1962	1962	19.62	6.51	334.4	3	3.83E-08	3.35E-04	29	85.89	0	0	0	0	0	0	180.32	14	438.2	2.43	0.33	11.31	305.13	0	0	1	63.99	0	438.2
1963	1963	19.63	6.26	334.4	3	2.79E-08	2.27E-04	28	79.93	0	0	0	0	0	0	177.75	14	407.82	2.26	0.33	10.44	302.94	0	0	1	59.76	0	407.82
1964	1964	19.64	5.5	334.4	3	2.62E-08	2.01E-04	26	75.18	0	0	0	0	0	0	169.04	14	383.6	2.13	0.33	9.82	295.43	0	0	1	61.8	0	383.6
1965	1965	19.65	5.5	243.7	3	1.92E-08	1.30E-04	24	66.44	0	0	0	0	0	0	158	14	339	1.88	0.33	8.67	285.62	0	0	1	60.64	0	339
1966	1966	19.66	4.39	243.7	3	2.18E-08	1.41E-04	23	63.25	0	0	0	0	0	0	147.02	14	322.69	1.79	0.33	8.25	275.51	0	0	1	67.86	0	322.69
1967	1967	19.67	4.81	211.6	3	1.83E-08	1.08E-04	21	58.16	0	0	0	0	0	0	139.59	14	296.75	1.64	0.33	7.58	268.46	0	0	1	68.25	0	296.75
1968	1968	19.68	4.41	183.9	3	2.35E-08	1.45E-04	22	60.65	0	0	0	0	0	0	139.12	14	309.46	1.71	0.33	7.91	268.01	0	0	1	73.69	0	309.46
1969	1969	19.69	4.92	221.8	3	3.26E-08	2.20E-04	23	65.95	0	0	0	0	0	0	142.53	14	336.5	1.86	0.33	8.61	271.28	0	0	1	78.84	0	336.5
1970	1970	19.7	5.95	221.7	4	4.80E-08	3.58E-04	24	73.14	0	0	0	0	0	0	147.43	14	373.17	2.06	0.33	9.66	275.9	0	0	1	83.87	0	373.17
1971	1971	19.71	5.95	210.6	4	6.63E-08	5.27E-04	25	77.93	0	0	0	0	0	0	148.14	14	397.62	2.2	0.33	10.39	276.57	0	0	1	90.66	0	397.62
1972	1972	19.72	5.95	212.4	4	1.50E-07	1.40E-03	27	91.93	0	0	0	0	0	0	150.86	14	469.04	2.59	0.33	12.57	279.09	0	0	1	109.42	0	469.04
1973	1973	19.73	8.95	207.1	4	2.93E-07	3.17E-03	29	105.93	0	0	0	0	0	0	153.89	14	540.46	2.98	0.33	14.78	281.88	0	0	1	127.2	0	540.46
1974	1974	19.74	8.95	205.1	5	4.33E-07	5.03E-03	30	113.95	37	38	123.1	154.28	0	0	0	0	0	0	0	0	282.24	-0.12	0	0	0	0	140.23
1975	1975	19.75	7.67	197.5	4	2.44E-07	2.48E-03	28	99.78	0	0	0	149.91	14	509.09	2.8	0.33	13.83	278.21	2.8	0.33	13.83	278.21	0	1	125	0	509.09
1976	1976	19.76	5.91	196.1	4	9.62E-08	7.95E-04	25	81.06	0	0	0	144.07	14	413.59	2.28	0.33	10.91	272.73	2.28	0.33	10.91	272.73	0	1	103.1	0	413.59
1977	1977	19.77	4.94	196.1	3	3.51E-08	2.35E-04	22	65.47	0	0	0	139.62	14	334.04	1.84	0.33	8.53	268.49	1.84	0.33	8.53	268.49	0	1	82.6	0	334.04
1978	1978	19.78	4.33	202.3	3	1.74E-08	9.99E-05	21	56.18	0	0	0	135.98	14	286.61	1.58	0.33	7.28	264.97	1.58	0.33	7.28	264.97	0	1	69.71	0	286.61
1979	1979	19.79	3.92	206	3	1.23E-08	6.59E-05	20	52.47	0	0	0	135.26	14	267.72	1.47	0.33	6.8	264.27	1.47	0.33	6.8	264.27	0	1	63.42	0	267.72
1980	1980	19.8	4.14	212.2	3	1.19E-08	6.35E-05	20	52.3	0	0	0	135.64	14	266.85	1.47	0.33	6.78	264.63	1.47	0.33	6.78	264.63	0	1	62.66	0	266.85
1981	1981	19.81	4.29	207.8	3	1.30E-08	7.12E-05	20	53.56	0	0	0	136.67	14	273.27	1.5	0.33	6.93	265.64	1.5	0.33	6.93	265.64	0	1	63.81	0	273.27
1982	1982	19.82	4.19	209.5	3	1.57E-08	8.81E-05	21	55.18	0	0	0	136.2	14	281.53	1.55	0.33	7.14	265.19	1.55	0.33	7.14	265.19	0	1	67.59	0	281.53
1983	1983	19.83	4.49	195	3	2.18E-08	1.30E-04	21	58.37	0	0	0	135.66	14	297.83	1.63	0.33	7.55	264.66	1.63	0.33	7.55	264.66	0	1	74.83	0	297.83
1984	1984	19.84	4.97	180.6	3	3.29E-08	2.08E-04	21	62.03	0	0	0	133.83	14	316.46	1.74	0.33	8.03	262.87	1.74	0.33	8.03	262.87	0	1	85.55	0	316.46
1985	1985	19.85	4.97	168.2	4	9.78																						

1987	1987	1987	9.23	193.9	5	7.20E-07	9.05E-03	31	123.23	39	37	121.41	152.16	0	0	0	0.33	0	280.29	-0.11	0	0	0	139.86
1988	1988	1988	10.7	204.5	5	8.83E-07	1.21E-02	33	134.12	41	38	127.35	159.61	0	0	0	0.33	0	287.07	-0.12	0	0	0	141.4
1989	1989	1989	9.96	218.6	5	6.14E-07	7.96E-03	32	127.13	40	38	128.89	161.55	0	0	0	0.33	0	288.81	-0.12	0	0	0	142.24
1990	1990	1990	7.73	226.5	4	2.50E-07	2.72E-03	30	106.81	0	0	0	159.75	14	544.97	2.98	0.33	14.71	287.19	0	1	118.28	0	544.97
1991	1991	1991	6.34	232.2	4	8.22E-08	7.25E-04	27	86.5	0	0	0	158.17	14	441.33	2.41	0.33	11.49	285.77	0	1	90.2	0	441.33
1992	1992	1992	5.61	260.5	3	4.24E-08	3.34E-04	26	77.53	0	0	0	159.32	14	394.37	2.15	0.33	10.05	286.81	0	1	75.72	0	394.37
1993	1993	1993	5.76	272.9	3	3.10E-08	2.36E-04	26	74.58	0	0	0	162.71	14	380.52	2.08	0.33	9.6	289.85	0	1	68.41	0	380.52
1994	1994	1994	5.76	284.3	3	2.79E-08	2.12E-04	27	81.2	0	0	0	165.8	14	380.53	2.08	0.33	9.59	292.58	0	1	65.17	0	380.53
1995	1995	1995	5.61	301.2	3	3.80E-08	3.14E-04	30	93.81	0	0	0	170.73	14	414.27	2.26	0.33	10.5	296.9	0	1	68.68	0	414.27
1996	1996	1996	7.18	308.2	4	6.30E-08	6.02E-04	30	93.81	0	0	0	180.02	14	478.63	2.61	0.33	12.33	304.87	0	1	73.96	0	478.63
1997	1997	1997	8.46	348.9	4	1.24E-07	1.42E-03	33	112.55	0	0	0	191.07	14	574.21	3.13	0.33	15.11	314.09	0	1	82.73	0	574.21
1998	1998	1998	9.63	370.2	4	1.52E-07	1.92E-03	36	123.82	0	0	0	202.62	14	631.75	3.44	0.33	16.72	323.44	0	1	82.31	0	631.75
1999	1999	1999	9.6	409.2	4	1.55E-07	2.05E-03	37	129.29	0	0	0	210.69	14	659.65	3.59	0.33	17.46	329.82	0	1	79.82	0	659.65
2000	2000	2000	9.64	435.5	4	1.59E-07	2.17E-03	38	133.45	0	0	0	216.51	14	680.87	3.7	0.33	18.03	334.34	0	1	78.33	0	680.87
2001	2001	2001	10.52	433.1	4	1.98E-07	2.83E-03	39	140.35	0	0	0	218.91	14	716.06	3.89	0.33	19.09	336.2	0	1	81.91	0	716.06
2002	2002	2002	11.07	416.4	4	3.05E-07	4.73E-03	41	152.11	0	0	0	219.4	14	776.06	4.22	0.33	20.97	336.57	0	1	91.16	0	776.06
2003	2003	2003	12.16	402	4	3.88E-07	6.32E-03	42	159.75	0	0	0	220.63	14	815.07	4.43	0.33	22.18	337.51	0	1	96.35	0	815.07
2004	2004	2004	12.16	425.1	4	4.24E-07	7.12E-03	43	164.61	0	0	0	223.67	14	839.86	4.56	0.33	22.91	339.83	0	1	97.36	0	839.86
2005	2005	2005	12.12	441	4	3.44E-07	5.60E-03	42	159.74	0	0	0	225.43	14	815	4.42	0.33	22.08	341.16	0	1	91.76	0	815
2006	2006	2006	11.12	439.5	4	2.39E-07	3.62E-03	41	148.48	0	0	0	223.79	14	757.54	4.11	0.33	20.27	339.92	0	1	84.36	0	757.54
2007	2007	2007	9.75	439.5	4	1.43E-07	1.91E-03	38	131.38	0	0	0	217.47	14	670.32	3.63	0.33	17.63	335.09	0	1	76.1	0	670.32
2008	2008	2008	8.45	415.8	4	8.67E-08	1.03E-03	35	116.32	0	0	0	210.66	14	593.48	3.22	0.33	15.35	329.8	0	1	69.24	0	593.48
2009	2009	2009	7.89	404.7	4	6.51E-08	7.04E-04	33	106	0	0	0	202.17	14	540.84	2.93	0.33	13.85	323.09	0	1	67.03	0	540.84
2010	2010	2010	7.54	365.6	3	5.26E-08	5.29E-04	32	98.59	0	0	0	195.44	14	503.03	2.72	0.33	12.79	317.66	0	1	65.67	0	503.03
2011	2011	2011	6.87	355.8	3	3.77E-08	3.42E-04	30	88.84	0	0	0	187.02	14	453.26	2.45	0.33	11.39	310.74	0	1	63.1	0	453.26
2012	2012	2012	5.8	334.5	3	2.57E-08	2.08E-04	28	79.64	0	0	0	179.75	14	406.33	2.2	0.33	10.15	304.65	0	1	59.16	0	406.33
2013	2013	2013	5.57	319.3	3	1.91E-08	1.42E-04	26	72.69	0	0	0	173.05	14	370.89	2	0.33	9.26	298.92	0	1	56.54	0	370.89
2014	2014	2014	5.38	310.4	3	1.86E-08	1.34E-04	26	70.73	0	0	0	169.25	14	360.88	1.95	0.33	9.01	295.61	0	1	57.39	0	360.88
2015	2015	2015	5.38	294.6	3	2.46E-08	1.87E-04	26	74.53	0	0	0	169.48	14	380.27	2.05	0.33	9.49	295.81	0	1	62.14	0	380.27
2016	2016	2016	6.38	294.6	3	3.70E-08	3.06E-04	27	81.28	0	0	0	171.77	14	414.72	2.24	0.33	10.39	297.8	0	1	68.54	0	414.72
2017	2017	2017	6.83	300.3	4	5.72E-08	5.24E-04	29	89.9	0	0	0	175.56	14	458.67	2.47	0.33	11.65	301.07	0	1	74.83	0	458.67
2018	2018	2018	7.23	306.1	4	7.23E-08	7.03E-04	30	95.49	0	0	0	178.73	14	487.18	2.63	0.33	12.46	303.78	0	1	78	0	487.18
2019	2019	2019	7.58	311.8	4	8.02E-08	8.03E-04	30	98.24	0	0	0	180.44	14	501.23	2.7	0.33	12.86	305.23	0	1	79.35	0	501.23
2020	2020	2020	7.42	310.7	4	6.60E-08	6.37E-04	30	94.68	0	0	0	180.15	14	483.05	2.6	0.33	12.31	304.98	0	1	75.7	0	483.05
2021	2021	2021	6.46	315.5	3	4.62E-08	4.13E-04	29	87.77	0	0	0	178.14	14	447.83	2.41	0.33	11.27	303.27	0	1	70.03	0	447.83
2022	2022	2022	6.1	313.8	3	2.96E-08	2.41E-04	27	79.73	0	0	0	173.31	14	406.81	2.19	0.33	10.11	300.93	0	1	63.46	0	406.81
2023	2023	2023	5.7	313.1	3	2.45E-08	1.90E-04	27	76.15	0	0	0	173.31	14	388.51	2.09	0.33	9.65	299.13	0	1	60.91	0	388.51
2024	2024	2024	5.7	310.8	3	2.29E-08	1.74E-04	26	74.61	0	0	0	171.99	14	380.67	2.05	0.33	9.46	297.99	0	1	60.19	0	380.67
2025	2025	2025	5.77	305.8	3	2.43E-08	1.87E-04	26	75.32	0	0	0	171.68	14	384.28	2.06	0.33	9.54	297.72	0	1	61.41	0	384.28
2026	2026	2026	5.85	303.3	3	2.63E-08	2.04E-04	27	76.38	0	0	0	171.7	14	389.71	2.09	0.33	9.67	297.75	0	1	62.79	0	389.71
2027	2027	2027	5.92	303.3	3	2.98E-08	2.35E-04	27	77.72	0	0	0	170.93	14	396.53	2.13	0.33	9.83	297.08	0	1	65.33	0	396.53
2028	2028	2028	6.06	285.7	3	3.18E-08	2.51E-04	26	77.49	0	0	0	168.23	14	395.36	2.12	0.33	9.8	294.72	0	1	67.82	0	395.36
2029	2029	2029	5.8	268	3	3.50E-08	2.73E-04	26	76.69	0	0	0	163.68	14	391.27	2.1	0.33	9.72	290.71	0	1	71.54	0	391.27
2030	2030	2030	5.75	250.3	3	3.17E-08	2.37E-04	25	73.2	0	0	0	159.03	14	373.46	2	0.33	9.25	286.55	0	1	71.91	0	373.46
2031	2031	2031	5.31	245.1	3	2.77E-08	1.96E-04	24	69.54	0	0	0	154.84	14	354.79	1.9	0.33	8.78	282.75	0	1	71.19	0	354.79
2032	2032	2032	5.02	237.2	3	1.91E-08	1.24E-04	23	63.53	0	0	0	151.32	14	324.14	1.74	0.33	8.02	279.52	0	1	65.57	0	324.14
2033	2033	2033	4.47	244.4	3	1.33E-08	7.93E-05	22	58.32	0	0	0	148.18	14	297.57	1.59	0.33	7.36	276.6	0	1	60.54	0	297.57
2034	2034	2034	4.2	241	3	9.97E-09	5.54E-05	21	54.5	0	0	0	145.96	14	278.04	1.49	0.33	6.87	274.52	0	1	56.59	0	278.04
2035	2035	2035	4.2	236.8	3	8.58E-09	4.58E-05	21	52.37	0	0	0	144.13	14	267.2	1.43	0.33	6.6	272.79	0	1	54.97	0	267.2
2036	2036	2036	4.01	236.8	3	7.58E-09	3.91E-05	20	50.64	0	0	0	142.53	14	258.39	1.38	0.33	6.38	271.27	0	1	53.71	0	258.39
2037	2037	2037	3.83	233.6	3	6.08E-09	2.98E-05	20	48.05	0	0	0	140.77	14	245.18	1.31	0.33	6.05	269.6	0	1	51.09	0	245.18

2038	20.38	3.64	235.1	3	6.58E-09	3.27E-05	20	48.94	0	0	0	0	141.4	14	249.7	1.33	0.33	6.16	270.2	0	1	52	0	249.7
2039	20.39	4.2	237.2	3	7.95E-09	4.19E-05	21	51.64	0	0	0	0	144.07	14	263.45	1.41	0.33	6.5	272.73	0	1	53.91	0	263.45
2040	20.4	4.4	246	3	1.20E-08	7.07E-05	22	57.64	0	0	0	0	149.21	14	294.06	1.57	0.33	7.25	277.56	0	1	58.53	0	294.06
2041	20.41	4.93	255.3	3	1.96E-08	1.32E-04	24	65.67	0	0	0	0	155.57	14	335.05	1.79	0.33	8.25	283.42	0	1	64.52	0	335.05
2042	20.42	5.92	262.1	3	3.72E-08	2.92E-04	26	76.85	0	0	0	0	162.17	14	392.1	2.09	0.33	9.69	289.36	0	1	73.92	0	392.1
2043	20.43	6.8	262.3	4	5.98E-08	5.22E-04	27	85.59	0	0	0	0	165.79	14	436.67	2.33	0.33	10.96	292.57	0	1	81.4	0	436.67
2044	20.44	6.8	264.2	4	6.88E-08	6.17E-04	28	88.27	0	0	0	0	166.8	14	450.36	2.4	0.33	11.35	293.47	0	1	83.76	0	450.36
2045	20.45	6.5	263.9	4	4.74E-08	3.94E-04	27	81.61	0	0	0	0	164.88	14	416.38	2.22	0.33	10.36	291.77	0	1	77.28	0	416.38
2046	20.46	5.37	263.9	3	2.79E-08	2.03E-04	25	71.46	0	0	0	0	158.9	14	364.61	1.94	0.33	8.96	286.43	0	1	69.95	0	364.61
2047	20.47	4.63	238.4	3	1.27E-08	7.64E-05	22	58.82	0	0	0	0	150.73	14	300.13	1.6	0.33	7.37	278.97	0	1	59.08	0	300.13
2048	20.48	3.79	244.5	3	5.49E-09	2.68E-05	20	47.88	0	0	0	0	142.86	14	244.3	1.3	0.33	6	271.59	0	1	49.13	0	244.3
2049	20.49	3.03	248.1	3	2.28E-09	9.20E-06	18	39.48	0	0	0	0	138.05	14	201.44	1.07	0.33	4.94	266.98	0	1	39.6	0	201.44
2050	20.5	2.83	255.1	3	1.62E-09	5.87E-06	18	35.66	0	0	0	0	135.1	14	185.15	0.98	0.33	4.54	264.11	0	1	36.69	0	185.15
2051	20.51	3.11	238.5	3	3.13E-09	1.34E-05	19	42.07	0	0	0	0	139.01	14	214.66	1.14	0.33	5.26	267.9	0	1	43.07	0	214.66
2052	20.52	4.27	239.1	3	8.94E-09	4.84E-05	21	53.16	0	0	0	0	145.23	14	271.22	1.44	0.33	6.64	273.83	0	1	55.65	0	271.22
2053	20.53	5.2	238.8	3	1.85E-08	1.18E-04	23	62.94	0	0	0	0	150.79	14	321.1	1.7	0.33	7.86	279.03	0	1	65.92	0	321.1
2054	20.54	5.2	238.1	3	2.60E-08	1.79E-04	24	67.56	0	0	0	0	152.09	14	344.68	1.83	0.33	8.44	280.22	0	1	72.19	0	344.68
2055	20.55	5.26	225	3	2.71E-08	1.86E-04	24	67.09	0	0	0	0	149.93	14	342.31	1.81	0.33	8.37	278.23	0	1	74.23	0	342.31
2056	20.56	5.1	214.8	3	2.42E-08	1.58E-04	23	64.26	0	0	0	0	146.61	14	327.85	1.74	0.33	8.02	275.13	0	1	73.62	0	327.85
2057	20.57	4.6	214.8	3	1.88E-08	1.13E-04	22	59.9	0	0	0	0	143.34	14	305.6	1.62	0.33	7.47	272.05	0	1	69.94	0	305.6
2058	20.58	4.33	212.7	3	1.24E-08	6.89E-05	21	54.76	0	0	0	0	141.1	14	279.4	1.48	0.33	6.83	269.91	0	1	63.26	0	279.4
2059	20.59	4	221.8	3	8.90E-09	4.65E-05	20	51.3	0	0	0	0	140.25	14	261.73	1.38	0.33	6.39	269.09	0	1	57.94	0	261.73
2060	20.6	3.85	229.5	3	7.89E-09	4.04E-05	20	50.26	0	0	0	0	140.44	14	256.42	1.35	0.33	6.26	269.28	0	1	55.9	0	256.42
2061	20.61	4.1	223	3	9.12E-09	4.84E-05	21	52.05	0	0	0	0	141.66	14	265.55	1.4	0.33	6.48	270.44	0	1	57.79	0	265.55
2062	20.62	4.39	223	0	0.00E+00	0.00E+00	0	5.71	0	0	0	0	3.58	0	0	0	0.33	0	42.99	0	0	0	0	0
2063	20.63	4.64	-7777000	0	0.00E+00	0.00E+00	0	6.02	0	0	0	0	3.77	0	0	0	0.33	0	44.13	0	0	0	0	0
2064	20.64	4.74	-7777000	0	0.00E+00	0.00E+00	0	6.19	0	0	0	0	3.88	0	0	0	0.33	0	44.74	0	0	0	0	0
2065	20.65	4.74	-7777000	0	0.00E+00	0.00E+00	0	5.83	0	0	0	0	3.66	0	0	0	0.33	0	43.44	0	0	0	0	0
2066	20.66	3.9	-7777000	0	0.00E+00	0.00E+00	0	5.3	0	0	0	0	3.32	0	0	0	0.33	0	41.42	0	0	0	0	0
2067	20.67	3.63	-7777000	0	0.00E+00	0.00E+00	0	4.88	0	0	0	0	3.06	0	0	0	0.33	0	39.75	0	0	0	0	0
2068	20.68	3.86	-7777000	0	0.00E+00	0.00E+00	0	4.96	0	0	0	0	3.11	0	0	0	0.33	0	40.06	0	0	0	0	0
2069	20.69	4.06	-7777000	0	0.00E+00	0.00E+00	0	5.17	0	0	0	0	3.24	0	0	0	0.33	0	40.88	0	0	0	0	0
2070	20.7	4.06	-7777000	0	0.00E+00	0.00E+00	0	5.26	0	0	0	0	3.3	0	0	0	0.33	0	41.25	0	0	0	0	0

APPENDIX 3

LIQUEFACTION ANALYSIS REPORT

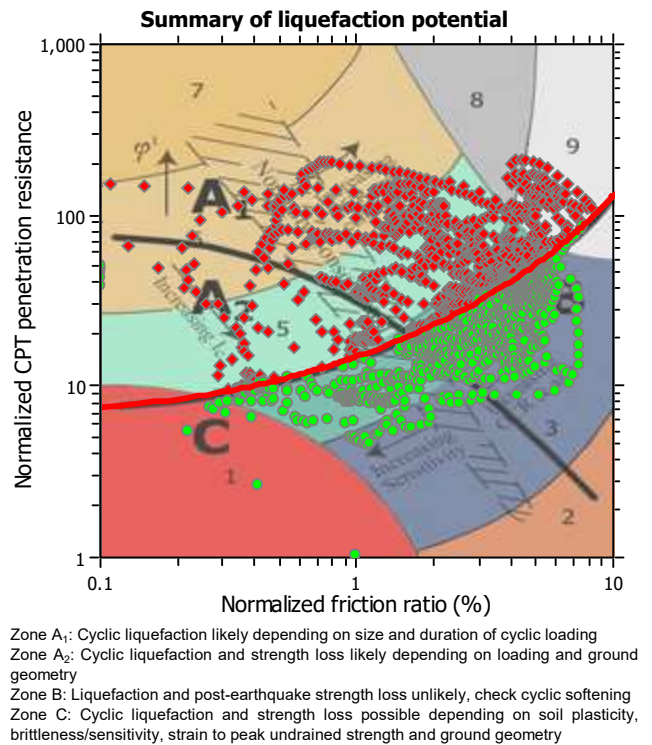
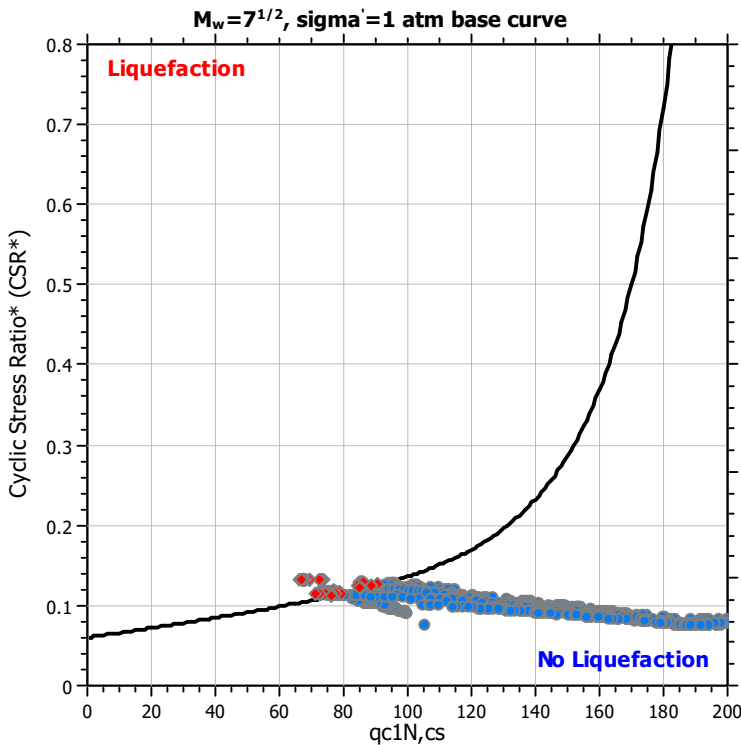
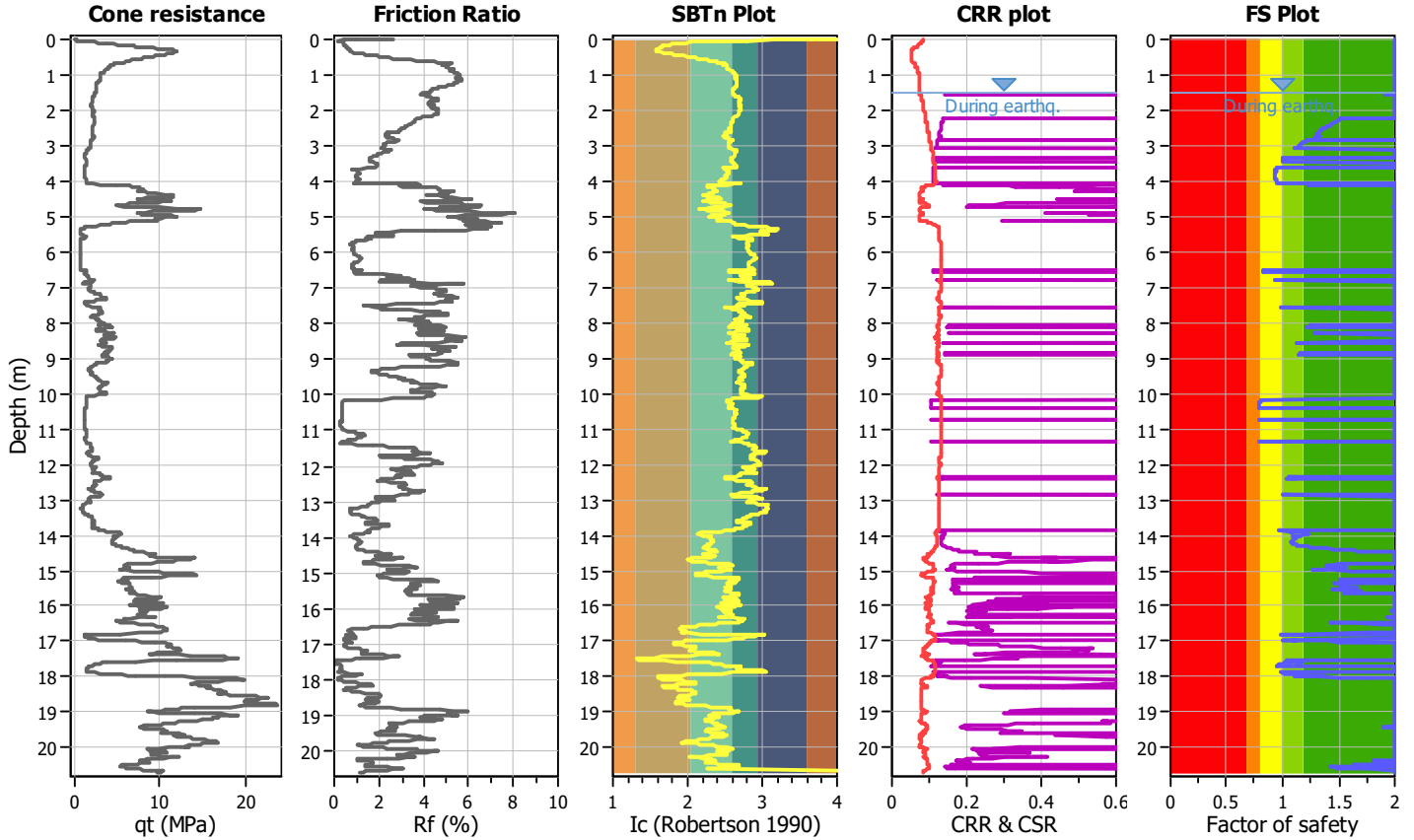
Project title :

Location :

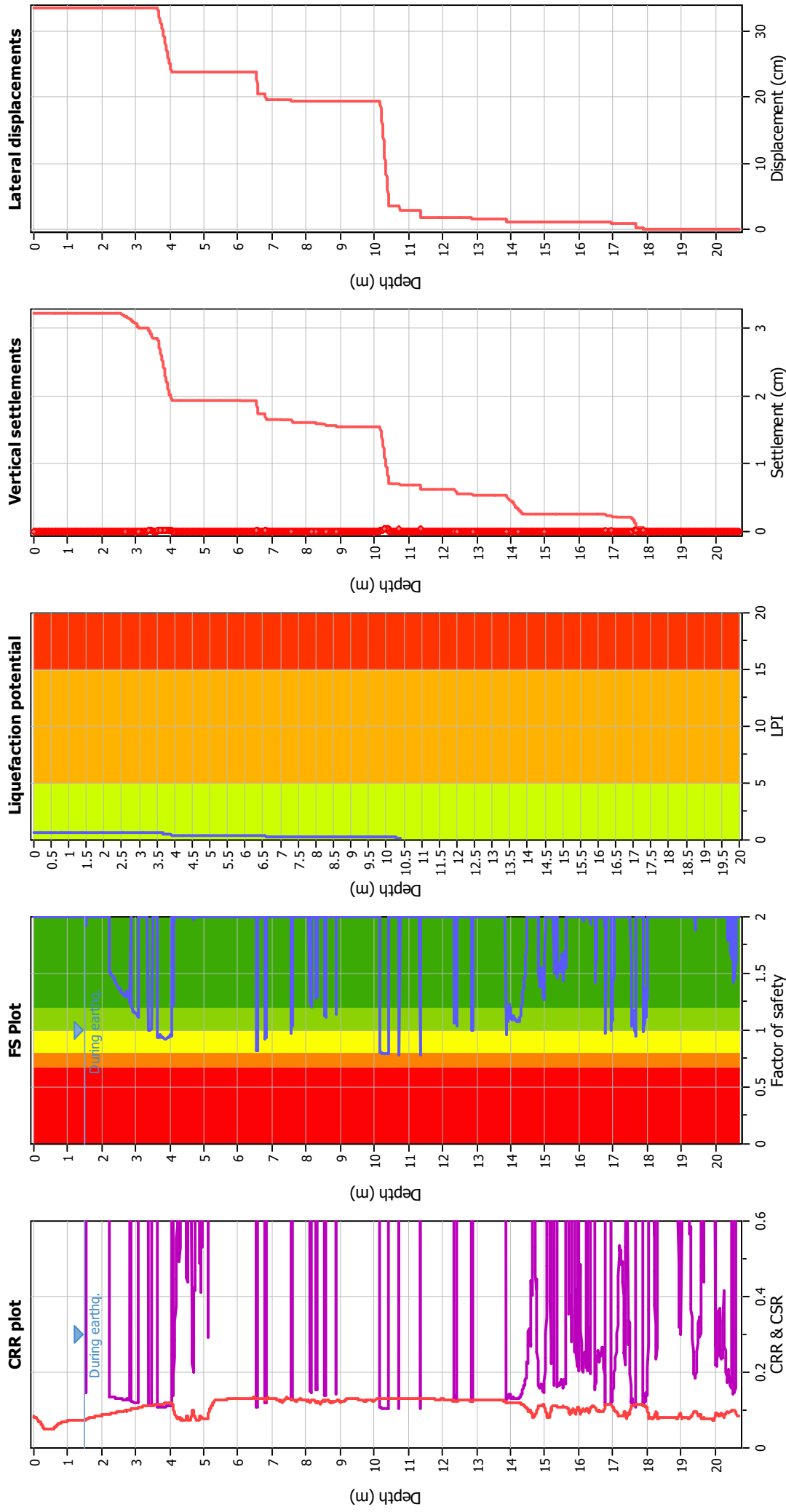
CPT file : CPT-01

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w :	6.00	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.15	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		



Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method: B&I (2014)
 Fines correction method: B&I (2014)
 Points to test: Based on Ic value
 Earthquake magnitude M_w : 6.00
 Peak ground acceleration: 0.15
 Depth to water table (insitu): 2.00 m

Depth to GWT (earthq.): 1.50 m
 Average results interval: 3
 Ic cut-off value: 2.60
 Unit weight calculation: Based on SBT
 Use fill: No
 Fill height: N/A

Fill weight: N/A
 Transition detect. applied: No
 K_{σ} applied: Yes
 Clay like behavior applied: Sands only
 Limit depth applied: No
 Limit depth: N/A

F.S. color scheme

- Almost certain it will liquefy
- Very likely to liquefy
- Liquefaction and no liq. are equally likely
- Unlikely to liquefy
- Almost certain it will not liquefy

LPI color scheme

- Very high risk
- High risk
- Low risk

LIQUEFACTION ANALYSIS REPORT

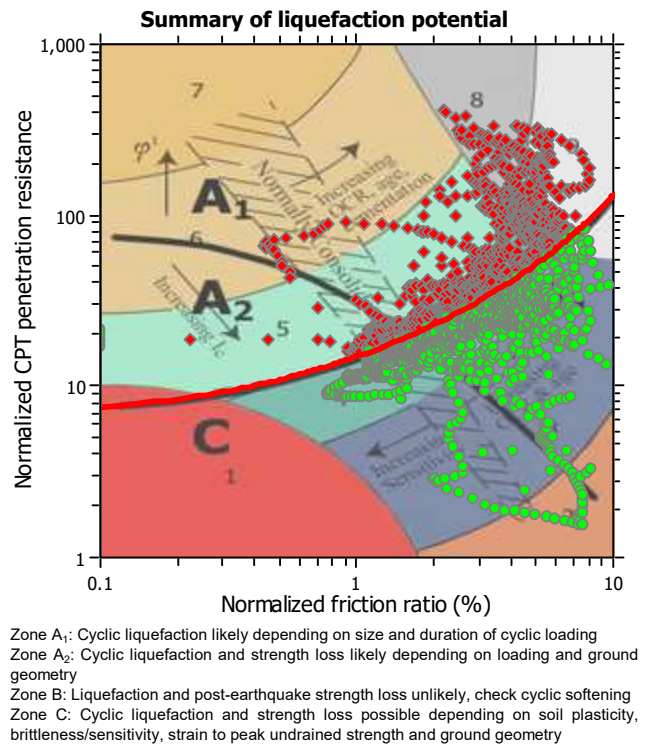
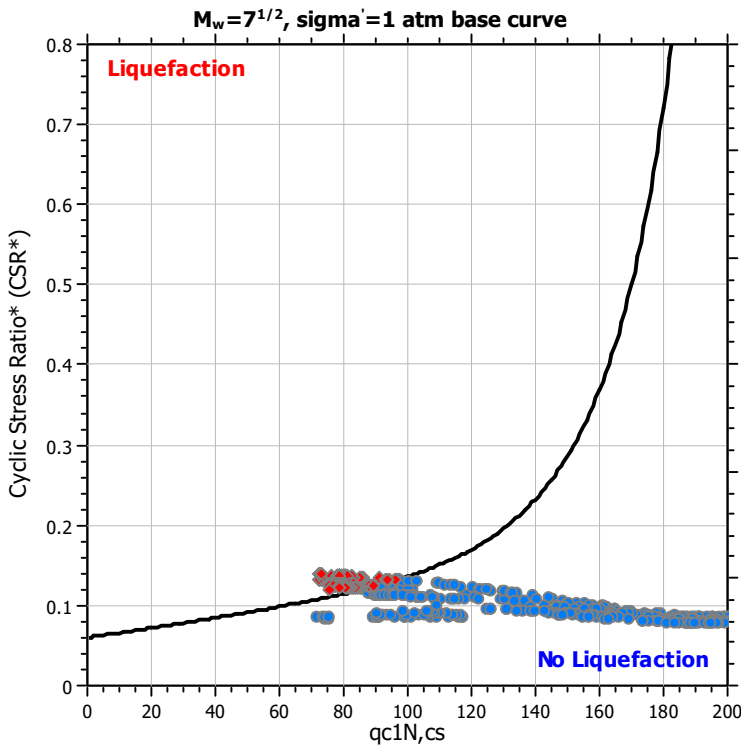
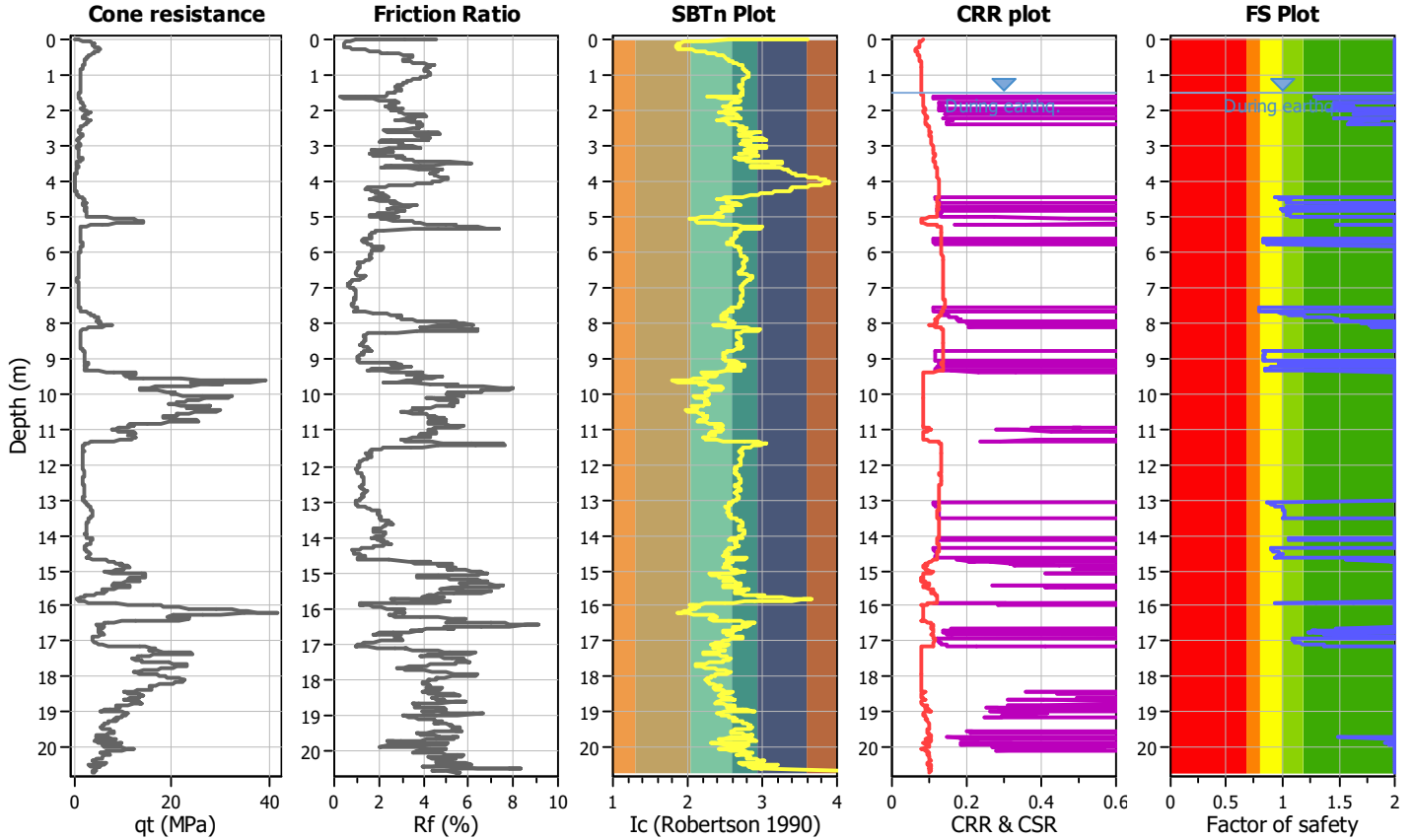
Project title :

Location :

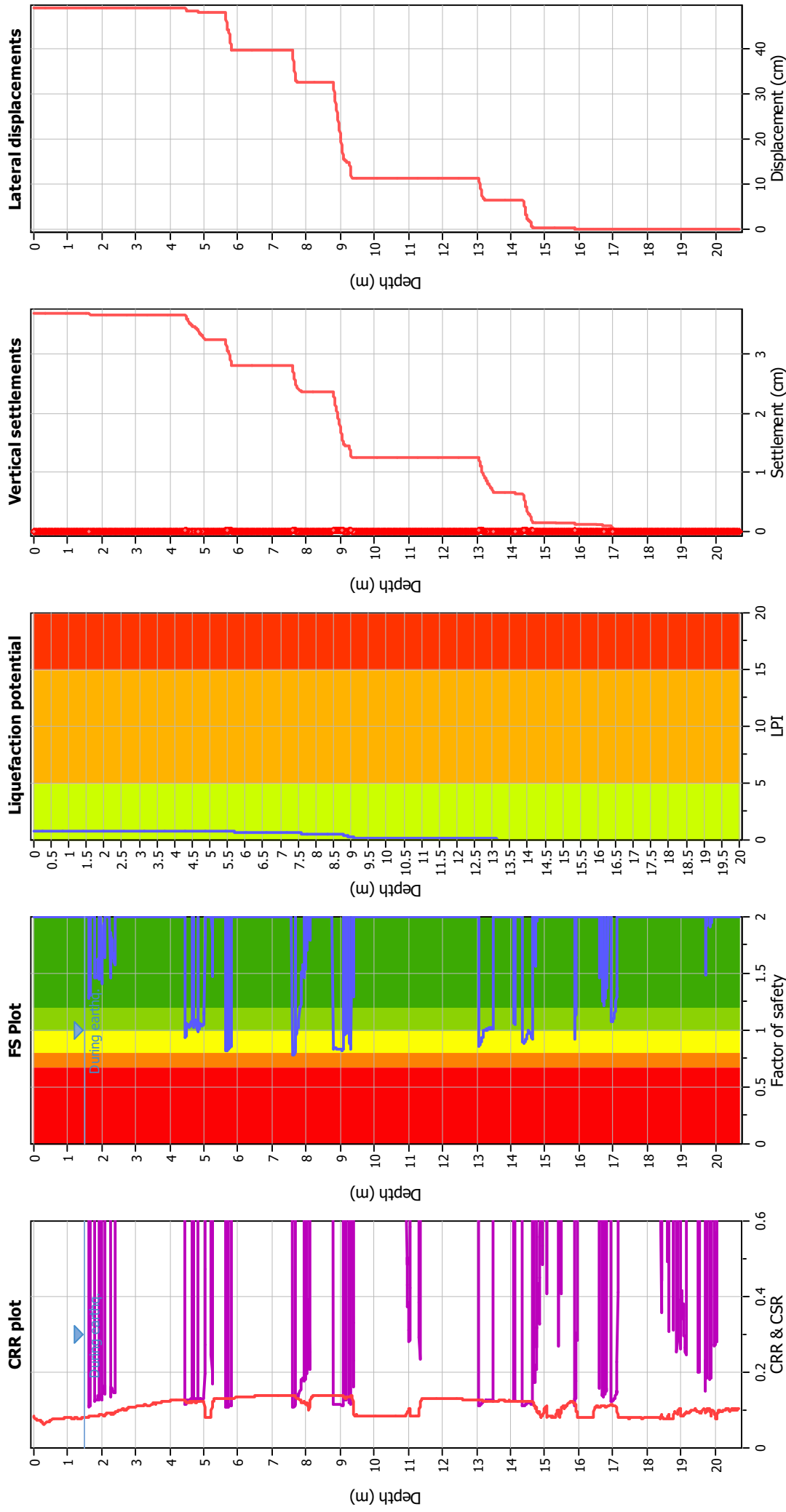
CPT file : CPT-02

Input parameters and analysis data

Analysis method:	B&I (2014)	G.W.T. (in-situ):	2.00 m	Use fill:	No	Clay like behavior applied:	Sands only
Fines correction method:	B&I (2014)	G.W.T. (earthq.):	1.50 m	Fill height:	N/A	Limit depth applied:	No
Points to test:	Based on Ic value	Average results interval:	3	Fill weight:	N/A	Limit depth:	N/A
Earthquake magnitude M_w :	6.00	Ic cut-off value:	2.60	Trans. detect. applied:	No	MSF method:	Method
Peak ground acceleration:	0.15	Unit weight calculation:	Based on SBT	K_σ applied:	Yes		



Liquefaction analysis overall plots



Input parameters and analysis data

Analysis method: B&I (2014)
 Fines correction method: B&I (2014)
 Points to test: Based on Ic value
 Earthquake magnitude M_w : 6.00
 Peak ground acceleration: 0.15
 Depth to water table (insitu): 2.00 m

F.S. color scheme

Almost certain it will liquefy
 Very likely to liquefy
 Liquefaction and no liq. are equally likely
 Unlikely to liquefy
 Almost certain it will not liquefy

LPI color scheme

Very high risk
 High risk
 Low risk