Date: 22/08/2017 6:46:30 PM From: "CHAVASSE Jason"

To: "Brian Clancy (brian.clancy@dpi.nsw.gov.au)", "Tracey Brownbill"

Subject: Border Rivers Consultation summary - Queensland

Attachment: DVIA agenda 3 August 2017.docx; meeting-minutes-DVIA-20170523 v2.doc; BRA Summary consultation proposals 2-8-17.docx;image001.png;image002.png;

Hi Brian and Tracey

Hope all is well and weather is starting to warm up for those south of the border.

My apologies Brian for the delay in sending the meeting minutes and outcomes to you from the recent Border Rivers Alluvium meetings earlier. These are **not for wide circulation** as they are a raw record of the conversations held – therefore not draft or final outcomes/policies. The discussions held with stakeholders and feedback received will obviously guide our policy and plan outcomes. I have provided them to ensure you and Tracey are aware of the conversations we have had with the Border Rivers Alluvium stakeholders (represented by the DVIA) and may assist you if/when you head up this way for your own consultation.

There are two sets of meeting minutes – one from May 2017 (when you attended Brian) and the other from the 3 August 2017. I have also attached a summary of QId BRA proposed policy outcomes that we had discussed during previous consultation sessions. I circulated these to the DVIA on the 3 August. These are obviously not yet updated for the proposed outcomes that we discussed on the 3 August.

Let me know if you have any questions or would be interested in discussing further.

Cheers lason



Jason Chavasse

Published on Pall Act 2009

Stakeholder meeting - Dumaresq Valley Irrigators Association Border Rivers Alluvium Water Plan

Thursday 3rd August 2017

10am-1pm

Texas Golf Club

AGENDA

Ageı	nda Item	Presenter	
1.	Recap of previous meeting outcomes	Jason Chavasse	
2.	Zones and trade envelopes		
	 Outline of proposed zones for BRA (based on previous stakeholder discussions and further DNRM examination of the system). Discussion on proposed trade envelope volumes Discussion on proposed trade rules Where water can move What is included in the envelope (SWA, Perm, NSW) 	Paul Hausler, Jason Chavasse	
3.	Announced Allocations	Paul Hausler, Jason Chavasse	
4.	Interstate tradeWhat has happened in this space?Draft Water Plan proposal	Jason Chavasse, Paul Hausler	
5.	Other matters (as required)	Jason Chavasse	
6.	Next steps • Draft Water Plan expected timeframes	Jason Chavasse	
	Further consultation for draft plan		

Queensland draft Border Rivers Water Plan Consultation – Border Rivers Alluvium

Summary of proposed policy and consultation outcomes

Since the release of the Statement of Proposals for the Queensland Border Rivers Water Plan review in July 2016, the Queensland Department of Natural Resources and Mines has engaged with the Dumaresq Valley Irrigators Association (DVIA). The DVIA has represented entitlement holders for alluvial groundwater matters upstream of Keetah Bridge. To date, the department has held 4 consultation sessions to work through a number of matters, the outcomes of which are detailed in the table below. Further consultation is occurring in relation to management zones and trade of water entitlements between these zones.

The proposals outlined in the table below have been discussed in meetings between the DVIA stakeholder advisory group and the department and will be used to guide the outcomes in the draft Water Plan. Given the Water Plan is the Ministers Plan, changes to the proposals detailed below could occur between consultation and the draft Water Plan.

The draft Water Plan is scheduled to be released for public consultation in January/February 2018. This is an important stage where entitlement holders and members of the community can provide further formal input on the proposed outcomes of the draft Water Plan for the Border Rivers.

Commencement of the Qld Border Rivers and Moonie Water Plan is expected on 1 July 2019.

issue	Proposal	Explanation
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DEPARTME	NT OF NATURAL RESOURCES AND MINES	

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Trading of Water Allocations

- Water trading will be implemented in the Border Rivers Alluvium
- Permanent and seasonal trade of water allocations will be assessed to make sure they do not have significant impact on the SWL of other entitlement holders.
- 3. Zones will be established to help manage the movement of traded water and to prevent 'hotspots' or the accumulation of entitlements in an area.
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- Envelopes will include permanent and seasonal trades.
- Points of extraction (bores) will be specifically identified as a geographic set of coordinates on the water allocation.
- An option for alternative assessment of impact assessment is also proposed.

Extraction of groundwater does have an impact on neighbouring bores. Consequently there will be an assessment methodology used to assess points of impact on other entitlement holders. This is also consistent with the NSW approach in trade of water allocations.

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Trade zones and the 'water envelopes' will be the subject of further discussion with the DVIA on the 3 August 2017.

s.73 Irrelevant information

Published on Rathact 2009

Published on Rathact 2009

Date: 4/08/2017 2:07:01 PM From: "CHAVASSE Jason"

sdrup4(6) Personas information (admin@brff.com.au)"

Subject: Border Rivers Meeting - Texas

Attachment: BRA Summary consultation proposals 2-8-17.docx;image001.png;image003.png;

ch4p4(6)HPersonal information

Thanks for yours and others attendance at the meeting yesterday to work through the last of the matters for the Border Rivers Alluvium, the meeting I believe was successful with good outcomes in terms of trade zones and envelopes. As discussed we will look a bit further at the announced entitlement process however there is no escaping the fact that we need to manage an entitlement level of 14,421 ML into a 8,085 ML long-term management limit.

I thought some more stakeholders may have attended so I'm happy for others who could not attend to give me a call and talk through the matters from yesterday if they would like to do so. I hope the summary document I put together summarises the outcomes we have discussed over the past 5 meetings.

I have attached the document to this email for your reference and sending to others should they want to know the general details.

4p4(6) Personal infolomatical (6) Personal information has been as not aware that the meeting was on, so I'm not sure whether some emails bounced back, whether some email addresses are out of date or whether they just missed the email notification - it may be worth checking in with entitlement holders whether they have provided you with the correct email address, but I'll leave that one for you.

If you have any further questions please give me a call.

Cheers Jason



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Queensland draft Border Rivers Water Plan Consultation – Border Rivers Alluvium

Summary of proposed policy and consultation outcomes

Since the release of the Statement of Proposals for the Queensland Border Rivers Water Plan review in July 2016, the Queensland Department of Natural Resources and Mines has engaged with the Dumaresq Valley Irrigators Association (DVIA). The DVIA has represented entitlement holders for alluvial groundwater matters upstream of Keetah Bridge. To date, the department has held 4 consultation sessions to work through a number of matters, the outcomes of which are detailed in the table below. Further consultation is occurring in relation to management zones and trade of water entitlements between these zones.

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Issue	Proposal	Explanation
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Trade zones and the 'water envelopes' will be the subject of further discussion with the DVIA on the 3 August 2017.

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Published on Pall Act 2009

Date: 10/12/2018 3:01:52 PM From: "CHAVASSE Jason" To: "PYMBLEWARD Coby"

Subject: BRA drawdown acceptable impact Attachment: image001.png;image002.png;

Hi Coby

I had a chat with Adrian and he thinks it is a prudent measure to have a percentage of the available head as well as the 3m.

So I would suggest we have the acceptable drawdown is the lesser of 10% of the available head of the aquifer or 3 metres. The 10% is an accepted threshold.

This provide flexibility in approach and the 10% will allow for flexibility as water levels decline (sorry...if water levels decline)

In terms of our procedure:

- we will have to use the monitoring bores to establish the available head (unless there are water levels for individual bores (doubtful))
- we should use the average or median winter water level at the monitoring bore to establish available head (this will allow for aquifer recovery – we may need to be mindful of long term average versus perhaps last 10 years)

Any thoughts?

Cheers Jason



Published on Rankot 2009

20-308 File A Page 12 of 493 Date: 15/08/2017 2:40:16 PM From: "CHAVASSE Jason" To: "HEMPSEED Ainslee"

Subject: BRA Summary consultation proposals 2-8-17

Attachment: BRA Summary consultation proposals 2-8-17.docx;

Hi Ainslee

As discussed, here are the summary of proposals for Border Rivers groundwater.

Cheers Jason

Published on Rahin Dischosure Look

Queensland draft Border Rivers Water Plan Consultation – Border Rivers Alluvium

Summary of proposed policy and consultation outcomes

Since the release of the Statement of Proposals for the Queensland Border Rivers Water Plan review in July 2016, the Queensland Department of Natural Resources and Mines has engaged with the Dumaresq Valley Irrigators Association (DVIA). The DVIA has represented entitlement holders for alluvial groundwater matters upstream of Keetah Bridge. To date, the department has held 4 consultation sessions to work through a number of matters, the outcomes of which are detailed in the table below. Further consultation is occurring in relation to management zones and trade of water entitlements between these zones.

The proposals outlined in the table below have been discussed in meetings between the DVIA stakeholder advisory group and the department and will be used to guide the outcomes in the draft Water Plan. Given the Water Plan is the Ministers Plan, changes to the proposals detailed below could occur between consultation and the draft Water Plan.

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Trade zones and the 'water envelopes' will be the subject of further discussion with the DVIA on the 3 August 2017.

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Published on Rahlact 2009

Date: 24/10/2018 2:02:15 PM From: "CHAVASSE Jason" To: "WELLER Jim"

Subject: BRA Summary proposed policy October 2018

Attachment: BRA Summary proposed policy October 2018.docx;

Queensland draft Border Rivers Water Plan Consultation - Border Rivers Alluvium

Summary of proposed policy outcomes

Messaging

Since the release of the Statement of Proposals for the Queensland Border Rivers Water Plan review in July 2016, the Queensland Department of Natural Resources, Mines and Energy has engaged with the Dumaresq Valley Irrigators Association (DVIA). The DVIA has represented entitlement holders for alluvial groundwater matters upstream of Keetah Bridge. To date, the department has held at least 8 consultation sessions to work through a number of matters.

The recommended proposals outlined in the table below have been discussed in many previous consultation meetings between the DVIA stakeholder advisory group and the department and have been amended as necessary on consideration of draft water plan submissions.

It is important to be aware that the draft Border Rivers Moonie Water Plan is the Ministers draft Water Plan and it will not be final until the Minister signs approves the Water Plan.

There is an existing expectation that the department will return to finalise the consultation. Not following through with this ongoing commitment to engage is likely to be viewed by stakeholders that the department has something to hide between draft and final water plans.

Undertaking further consultation could pose a risk (to process and timeframes) from certain individuals who are opposed to the changes as an opportunity to re-litigate the water plan provisions or make further representations on the matter that their submissions have not been appropriately considered

| Sch4p4(6) Personal information |

However, there is an equal if not larger risk relating to ongoing relationships with stakeholders and potential for the DVIA to make representations to the Minister that the department has not adequately consulted, considered their submissions or closed the consultation loop.

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Border Rivers Alluvium (deep) – Permanent and Seasonal water trade

Water Plan

- section 15
- schedule 6

Changes to draft include:

 Zone envelope volumes will be increased to address concerns about the perceived inflation of water asset values and to allow for readjustment of entitlement.

High risk

- Many submitters expressed concern over the zone and envelopes being too restrictive.
- Ian Campbell and Dan Ostwald have requested representations to the

DEPARTMENT OF NATURAL RESOURCES, MINES AND ENERGY BORDER RIVERS ALLUVIUM

Water Management Protocol

- Dealing Rules
 - Section 134-148
- Impact Assessment
 - Chapter 11
- 1. Zones
- 2. Trade envelopes
- 3. Impact assessment

Water trading will be implemented in the Border Rivers Alluvium

Permanent and seasonal trade of water allocations will be third party impact assessed to make sure they do not have significant impact on the SWL of other entitlement holders.

Zones (5) will be established to help manage the movement of traded water and to prevent 'hotspots' or the accumulation of entitlements in an area.

Groundwater will be able to be traded within the zones, subject to separation distances; and between zones depending on the rules and available space within the 'water envelope'.

Envelopes will include permanent and seasonal trades.

Points of extraction (bores) will be specifically identified as a geographic set of coordinates on the water allocation.

- Zone envelop volumes are no longer conservatively performance based.
- Consideration of approved points of extraction over the whole BRA (deep) – includes NSW.
- Impact threshold will be consistent with NSW – will be either 5-10% of available head or maximum 3m drawdown.
- Assessment of impacts over 180 day pumping season rather than 10 year period.
- SWA rule change to allow for up to a 100ML assignment without impact assessment.
 Greater than 100ML will require impact assessment.

- Minister and department opposing trade.
- General support for trade of water allocations providing there is stringent third party impact protections in place and consistency with NSW.
- Risk of not consulting may have an equally concerning outcome for departmental relationships and DVIA approaching Minister on lack of completed consultation.

s.73 Irrelevant information

Published on Reflact 2009

Published on Reflact 2009

Date: 22/08/2018 10:36:03 AM From: "CHAVASSE Jason" To: "HEMPSEED Ainslee"

Subject: BRM draft Plan update to DVIA 20-8-18

Attachment: BRM draft Plan update to DVIA 20-8-18.docx;

20-308 File A Page 23 of 493

Published of Path Act 2009

Queensland draft Border Rivers and Moonie Water Plan Consultation -**Border Rivers Alluvium**

Update - August 2018

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- Tater + Clear support for third party impact assessment during water trades.
- Interest in a simple assessment process for temporary trades.
- Concerns regarding the number of proposed trading zones. Published of F

Date: 21/08/2018 3:09:44 PM From: "CHAVASSE Jason"

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BCc: "BROWNHALLS Peter", "RITCHIE John"

Subject: BRM draft Plan update to DVIA

Attachment: BRM draft Plan update to DVIA 20-8-18.docx;image001.png;image003.png;

sch4p4() Personal information

Please find attached a summary of outcomes from the consultation and submissions on the draft Border and Moonie plans for the DVIA meeting.

I will attend to talk to these matters along with other departmental representatives.

Please give me a call if you have any questions.

Kind regards Jason



Published on Reline Los

Page 25 of 493 20-308 File A

Queensland draft Border Rivers and Moonie Water Plan Consultation -**Border Rivers Alluvium**

Update - August 2018

s.73 Irrelevant information

- Dischoslike Loop Clear support for third party impact assessment during water trades.
- Interest in a simple assessment process for temporary trades.
- Concerns regarding the number of proposed trading zones. ?Ublished off

Date: 18/09/2017 3:08:44 PM From: "CHAVASSE Jason"

sata 64 (6) Personal information (admin@brff.com.au)"

Subject: DVIA consultation - DNRM groundwater planning proposals

Attachment: BRA Summary consultation proposals 6-9-17.docx;image001.png;image003.png;

sch4p4(b) Personal information

As discussed, I have attached the summary of proposals handed out at the last meeting.

These are current as at 6 September but do not include any discussions or outcomes held at this meeting.

Cheers Jason



Jason Chavasse

Principal Natural Resources Officer

Water Services I Service Delivery I South Region Department of Natural Resources and Mines

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20-308 File A Page 27 of 493

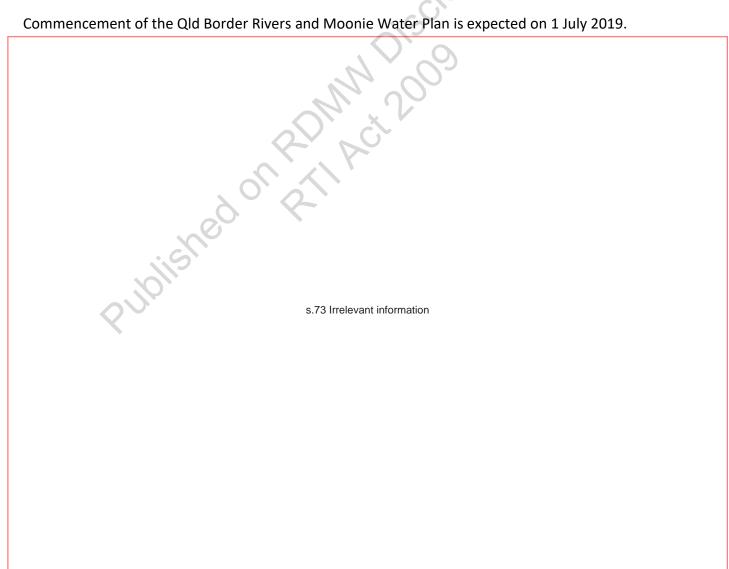
Queensland draft Border Rivers Water Plan Consultation – Border Rivers Alluvium

Summary of proposed policy and consultation outcomes

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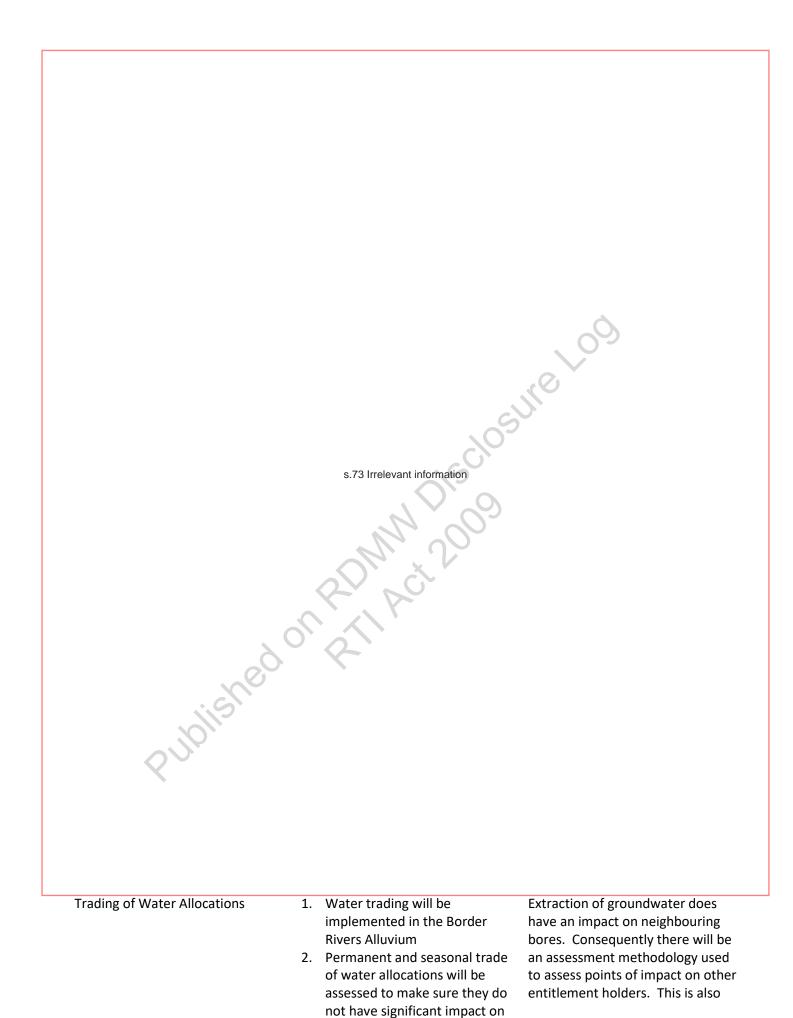
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File A





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QLD trade zones and trade envelopes

Trade zones and the 'water envelopes' were discussed at the stakeholder meeting on the 3 August. The following zones and envelopes were proposed:

Zone 1 and 2 boundary

- Commencement of the semiconfining layer
- Upstream the resource is unconfined (no deep or shallow)

Zone 2 and 3 boundary

- Further confining of alluvium (showing more confined response)
- Alluvium narrows
- Proposed as option by DVIA

Zone 3 and 4 boundary

- Management decision zone three contains TWS
- Zone extent shows similar drawdown influences and effects

Zone 4 – No trade envelope due to entitlement holder concerns on current level of entitlement and performance of bores.

Agreed trade envelope volumes were discussed at the stakeholder meeting on the 3 August and adjusted to a suitable volume based on feedback.

- Recognise existing sub-area boundary as a hydrological division
- Proposed as option by DVIA

Zone 4 and 5 boundary

- Management decision large existing entitlement in Zone 4
- DVIA recognise area as having noticeable neighbour pumping effects
- Split allows for future management options
- Model outcomes support boundary

Trade envelope proposed volumes

Zone 1 – 50% envelope (448 ML)

Zone 2 – 50% envelope (665 ML)

Zone 3 – 20% envelope (199 ML)

Zone 4 – 0% (0 ML)

And the state of t **Zone 5** – 20% envelope (274 ML)

Date: 6/12/2016 5:21:15 PM From: "CHAVASSE Jason" To: "BROWNHALLS Peter"

Subject: DVIA talking notes - any comments drop on my desk if easier Attachment: DVIA 8.1 agenda.docx;image001.png;image003.png;



Jason Chavasse

Principal Natural Resources Officer
Water Services I Service Delivery I South Region
Department of Natural Resources and Mines

P 07 4529 1233 Ma) Personal information 203 Tor Street, rowoomba did 4350 PO Box 318, Toowoomba Qld 4350

Email: jason.chavasse@dnrm.qld.gov.au

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Border Rivers Water Plan

Dumaresq Valley Irrigators Association Stakeholder Meeting 8 December, 2016

Attendees:	sch4p4(6) Personal information	Jason Chavasse; Paul Hausler
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Discussion Items

- 1. Summary of submission received through the Statement of Proposals
 - i. Summary
 - ii. Specific issues raised

2. Principles of Trade and Water Allocations

- a. Unless the BRA model states otherwise, the current managed sub-areas stay as they are
- b. Within the current planning timeframe (2019), interstate trade is not proposed however wherever possible, rules will be designed to be consistent with NSW. Interstate trade will likely occur through the IGA which at this stage is not proposed to be amended resources, time and political will.
- c. Initially (for 2019 timeframe) trade will only be made available in the Border Rivers Alluvium (deep resource) based on the following reasoning:
 - i. Submission feedback
 - ii. Low yield and access to resource for a reliable supply in DRA
 - iii. Not converting to a tradeable WA
- d. Looking to manage third party impacts of the trade of water to an acceptable and manageable level sub-area or point to point (discussion).
- e. We need to be mindful that flexible water accounting doesn't undermine a trade framework. i.e. flexible accounting to provide for seasonal management and trade to provide for long-term business expansion and viability.
- f. The performance/value of a Water Allocation will be protected through the specification of the Water Allocation and Water Sharing Rules.

s.73 Irrelevant information





s.73 Irrelevant information

Published on Relinact 2009

Published on Relinact 2009

Date: 15/02/2018 5:47:38 PM From: "CHAVASSE Jason'

To: "HAUSLER Paul", "PYMBLEWARD Coby" Subject: FW: Check of drawdown equation Attachment: image001.png;image002.png;

FYI

Jason Chavasse Principal Project Manager Water Services - Groundwater

From: JAMIESON Michael

Sent: Thursday, 8 February 2018 7:56 PM

To: CHAVASSE Jason < Jason.Chavasse@dnrme.qld.gov.au>
Subject: RE: Check of drawdown equation

Hi Jason

The formula you have is based on the Cooper and Jacob linear approximation of the Theis well function. It is a standard method used for estimating aquifer hydraulic parameters from pump tests, and for estimating drawdown at a distance from a pumping well.

I have checked the algebra and confirm that the form of the equation you are proposing to use in your plans is consistent with the equation published by Cooper and Jacob in their 1946 publication.

Jacob Cooper, as for the Theis equation, assumes that the aquifer is confined and non-leaky, infinite in extent, and uniform thickness. We know that some of these conditions are not satisfied, but even so the Cooper Jacob approximation is generally used by hydrogeologists as a way of estimating drawdown to a level of confidence that is acceptable for many applications, such as defining set-back distances for new bores, and it is appropriate for use in your situation in the Border rivers.

However, the Cooper and Jacob linear approximation is only valid in situations where the Theis well function is approximately linear (the Theis function is an exponential function). There is a simple test used to figure out when this happens, as explained on this web page http://www.aqtesolv.com/cooper-jacob.htm#Cooper_Jacob_Equation

This is the test: $u = (r^2S)/(4Tt) = < 0.01$, as recommended in Kruseman and de Ridder, 1994;

Driscoll, 1986, is another reference, and it recommends u =< 0.05.

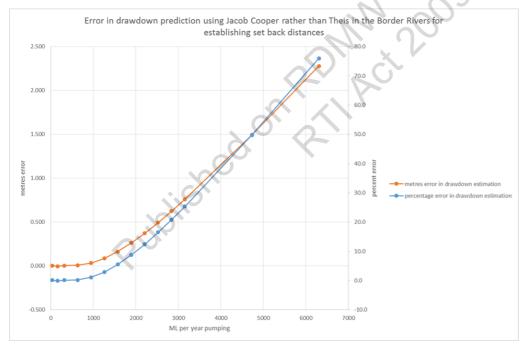
These references can be seen on the web site I linked above

Which reference you use depends on how critical your drawdown prediction is. I would suggest that the Driscoll referenced u-test is appropriate in your situation (u =< 0.05)

If we use the test: u =< 0.05, we get that the formula you have is valid only for the Border Rivers at distances from the pumping well less than 3,820 metres.

To show what happens when you apply your formula at distances greater than 3820 metres. I applied your formula (based on Cooper Jacob) to some examples, and then used Theis to predict the drawdown, I graphed this

L/s	1	5	10	20	30	40	50 60	70	80	90	100	150	200
Q (m ³ /day)	86.4	432	864	1728	2592	3456 4	320 5184	6048	6912	7776	8640	12960	17280
ML/yr	31.536	157.68	315.36	630.72	946.08	1261.44 157	76.8 1892.16	2207.52	2522.88	2838.24	3153.6	4730.4	6307.2
						_ () ~							
minimum set back distance (metres)	0	2.1	162.4	1442.8	2988	4300.1 534	19.7 6188.3	<mark>6866.6</mark>	<mark>7423.6</mark>	<mark>7887.9</mark>	8280.2	9578.1	10301.4
predicted drawdown (metres)	3.003	2.996	3.003	3.007	3.033	3.087 3.	165 3.261	3.372	3.494	3.623	3.759	4.495	5.280
error on 3m target drawdown limit													
(metres)	0.003	-0.004	0.003	0.007	0.033	0.087 0.	165 0.261	0.372	0.494	0.623	0.759	1.495	2.280
error on 3m target drawdown limit (%)	0.1	-0.1	0.1	0.2	1.1	<mark>2.9</mark>	5.5 8.7	12.4	16.5	20.8	<mark>25.3</mark>	<mark>49.8</mark>	<mark>76</mark>
	Q (m³/day) ML/yr minimum set back distance (metres) predicted drawdown (metres) error on 3m target drawdown limit (metres)	Q (m³/day) 86.4 ML/yr 31.536 minimum set back distance (metres) 0 predicted drawdown (metres) 3.003 error on 3m target drawdown limit (metres) 0.003	Q (m³/day) 86.4 432 ML/yr 31.536 157.68 minimum set back distance (metres) 0 2.1 predicted drawdown (metres) 3.003 2.996 error on 3m target drawdown limit (metres) 0.003 -0.004	Q (m³/day) 86.4 432 864 ML/yr 31.536 157.68 315.36 minimum set back distance (metres) 0 2.1 162.4 predicted drawdown (metres) 3.003 2.996 3.003 error on 3m target drawdown limit (metres) 0.003 -0.004 0.003	Q (m³/day) 86.4 432 864 1728 ML/yr 31.536 157.68 315.36 630.72 minimum set back distance (metres) 0 2.1 162.4 1442.8 predicted drawdown (metres) 3.003 2.996 3.003 3.007 error on 3m target drawdown limit (metres) 0.003 -0.004 0.003 0.007	Q (m³/day) 86.4 432 864 1728 2592 ML/yr 31.536 157.68 315.36 630.72 946.08 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 error on 3m target drawdown limit (metres) 0.003 -0.004 0.003 0.007 0.033	Q (m³/day) 86.4 432 864 1728 2592 3456 4 ML/yr 31.536 157.68 315.36 630.72 946.08 1261.44 157 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 4300.1 534 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 3.087 3. error on 3m target drawdown limit (metres) 0.003 -0.004 0.003 0.007 0.033 0.087 0.	Q (m³/day) 86.4 432 864 1728 2592 3456 4320 5184 ML/yr 31.536 157.68 315.36 630.72 946.08 1261.44 1576.8 1892.16 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 4300.1 5349.7 6188.3 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 3.087 3.165 3.261 error on 3m target drawdown limit (metres) 0.003 -0.004 0.003 0.007 0.033 0.087 0.165 0.261	Q (m³/day) 86.4 432 864 1728 2592 3456 4320 5184 6048 ML/yr 31.536 157.68 315.36 630.72 946.08 1261.44 1576.8 1892.16 2207.52 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 4300.1 5349.7 6188.3 6866.6 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 3.087 3.165 3.261 3.372 error on 3m target drawdown limit (metres) 0.003 -0.004 0.003 0.007 0.033 0.087 0.165 0.261 0.372	Q (m³/day) 86.4 432 864 1728 2592 3456 4320 5184 6048 6912 ML/yr 31.536 157.68 315.36 630.72 946.08 1261.44 1576.8 1892.16 2207.52 2522.88 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 4300.1 5349.7 6188.3 686.6 7423.6 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 3.087 3.165 3.261 3.372 3.494 error on 3m target drawdown limit (metres) 0.003 -0.004 0.003 0.007 0.033 0.087 0.165 0.261 0.372 0.494	Q (m³/day) 86.4 432 864 1728 2592 3456 4320 5184 6048 6912 7776 ML/yr 31.536 157.68 315.36 630.72 946.08 1261.44 1576.8 1892.16 2207.52 2522.88 2838.24 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 4300.1 5349.7 6188.3 686.6 7423.6 7887.9 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 3.087 3.165 3.261 3.372 3.494 3.623 error on 3m target drawdown limit (metres) 0.003 -0.004 0.003 0.007 0.033 0.087 0.165 0.261 0.372 0.494 0.623	Q (m³/day) 86.4 432 864 1728 2592 3456 4320 5184 6048 6912 7776 8640 ML/yr 31.536 157.68 315.36 630.72 946.08 1261.44 1576.8 1892.16 2207.52 2522.88 2838.24 315.36 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 4300.1 5349.7 6188.3 6866.6 7423.6 7887.9 8280.2 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 3.087 3.165 3.261 3.372 3.494 3.623 3.759 error on 3m target drawdown (limit (metres) 0.003 -0.004 0.003 0.007 0.033 0.087 0.165 0.261 0.372 0.494 0.623 0.759	Q (m³/day) 86.4 432 864 1728 2592 3456 4320 5184 6048 6912 7776 8640 12960 ML/yr 31.536 157.68 315.36 630.72 946.08 1261.44 1576.8 1892.16 207.52 2522.88 2838.24 315.36 473.4 minimum set back distance (metres) 0 2.1 162.4 1442.8 2988 4300.1 5349.7 6188.3 686.6 7423.6 7887.9 8280.2 9578.1 predicted drawdown (metres) 3.003 2.996 3.003 3.007 3.033 3.087 3.165 3.261 3.372 3.494 3.623 3.759 4.495 error on 3m target drawdown limit (metres) 0.003 -0.04 0.003 0.007 0.033 0.087 0.165 0.261 0.372 0.494 0.623 0.759 1.495



for Q < about 1000ML/yr, your formula under predicts drawdown by 1.1% or less. This is also in the range of where the u – test also suggests the formula is OK (set back is 2988 metres, which is less than the u-test result of

However, for Q > about 1000ML/yr, your formula is under predicting drawdown by an increasing amount:3% error @ 1260ML; 25% error @ 3150ML; 76% error @ 6300ML.

However, maybe there are other limits in your plan that mean no licence can ever be granted more than 1000ML?

If there is the prospect of licences with greater than 1000ML, then you should consider using the Theis equation rather than the Jacob Cooper approximation.

Give me a call if you would like to discuss,

Regards Michael

Michael Jamieson Principal Policy Officer | Strategic Water Programs Natural Resources, Mines and Energy **Telephone:** 3137 4244 Email: michael.jamieson@dnrme.qld.gov.au
Website http://www.dnrm.qld.gov.au

Department Natural Resources, Mines and Energy PO Box 15216, City East Queensland 4002

From: CHAVASSE Jason

Sent: Thursday, 8 February 2018 12:49 PM
To: JAMIESON Michael < Michael Jamieson@dnrme.qld.gov.au>

Subject: Check of drawdown equation

Hi Michael

Could you please assist me in verifying the rearrangement of the Thiess/Cooper Jacob equation to solve for radius of drawdown? I'm not a formula guru and I would like to have some further check on its validity.

This is going in our Water Plans and I would like a peer review to ensure we have the formula arranged correctly.

Let me know if you need more information or would like to discuss.

Thanks

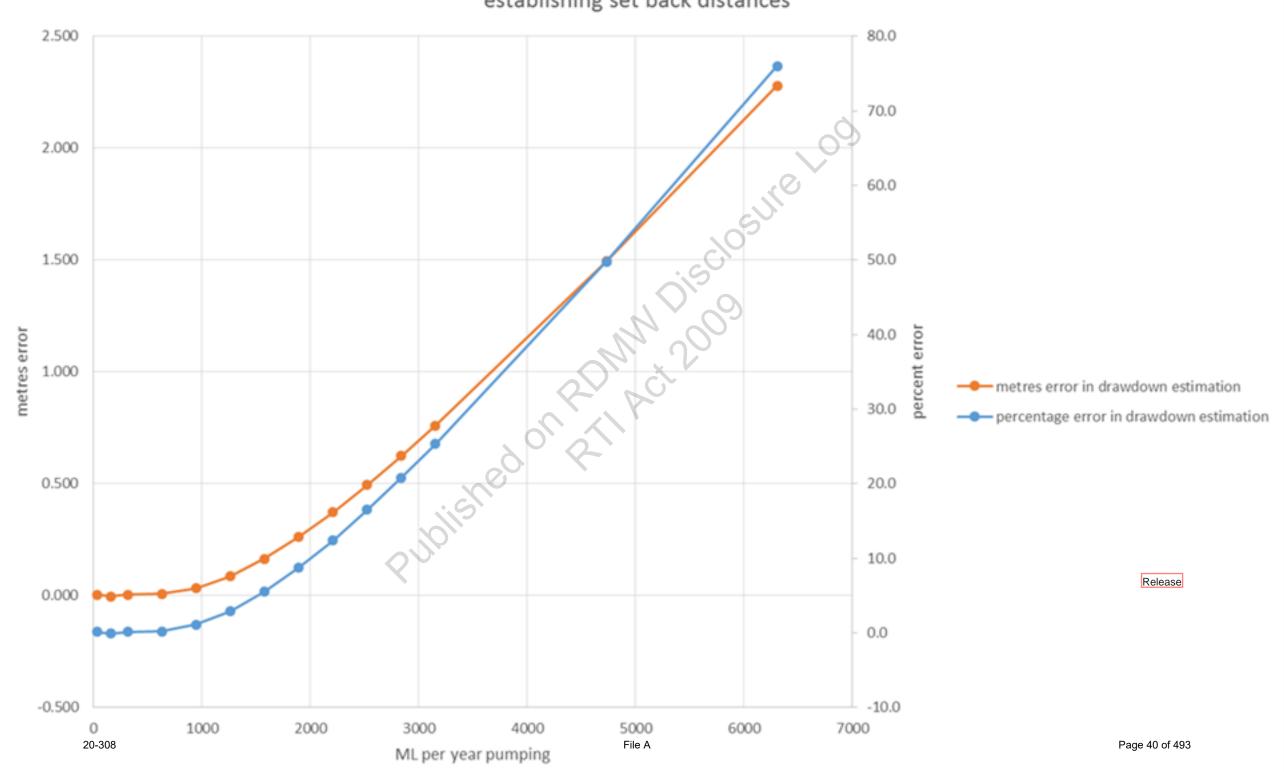
101 Calculating of minimum separation distance

(1) For each groundwater subarea the minimum separation distance must be calculated for each point of take on the water allocation or point of take condition on the water licence using the following formula—



Distrain = 1			2.2571
Vol. M. is volume permitted to be taken in a year in megalitres which is as follows— • for a water allocation with water allocation group BRA01 or BRA02— —-volumetric limit; • for a water allocation with water allocation group BRA03—-nominal volume; • for a seasonal water assignment—-maximum volume to be taken;	(2) Er	ror! Reference source not found. details parameters for calculating the minimum	$Dist^{Alm} = \sqrt{\frac{4\pi T z}{4\pi T z}}$
Vol. M. is volume permitted to be taken in a year in megalitres which is as follows— • for a water allocation with water allocation group BRA01 or BRA02— —-volumetric limit; • for a water allocation with water allocation group BRA03—-nominal volume; • for a seasonal water assignment—-maximum volume to be taken;	st ^{Min}		
Vol. M. is volume permitted to be taken in a year in megalitres which is as follows— • for a water allocation with water allocation group BRA01 or BRA02— —-volumetric limit; • for a water allocation with water allocation group BRA03—-nominal volume; • for a seasonal water assignment—-maximum volume to be taken;		T is the transmissivity for the Border Rivers Alluvium in m ² /day. The transmissivity used	
Vol. M. is volume permitted to be taken in a year in megalitres which is as follows— • for a water allocation with water allocation group BRA01 or BRA02— —-volumetric limit; • for a water allocation with water allocation group BRA03—-nominal volume; • for a seasonal water assignment—-maximum volume to be taken;		t is the pumping duration in days to be used for the assessment which is as follows— of ra water allocation—3650 days;	(8)
Vol. M. is volume permitted to be taken in a year in megalitres which is as follows— • for a water allocation with water allocation group BRA01 or BRA02— —-volumetric limit; • for a water allocation with water allocation group BRA03—-nominal volume; • for a seasonal water assignment—-maximum volume to be taken;		s is the acceptable drawdown in metres. The acceptable drawdown impact is 3 metres or	
Vol. M. is volume permitted to be taken in a year in megalitres which is as follows— • for a water allocation with water allocation group BRA01 or BRA02— —-volumetric limit; • for a water allocation with water allocation group BRA03—-nominal volume; • for a seasonal water assignment—-maximum volume to be taken;		Q is the pumping rate in m ² /day for the proposed water allocation or seasonal water assignment which is as follows— of ra water allocation Vol ^{ML} /365 days;	2050
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Date: 22/02/2018 11:45:03 AM
From: "JAMIESON Michael"
To: "PYMBLEWARD Coby"
Subject: FW: Theis eqn spreadsheet

From: JAMIESON Michael

Sent: Wednesday, 21 February 2018 1:51 PM

To: CHAVASSE Jason < Jason.Chavasse@dnrme.qld.gov.au>

Subject: RE: Theis eqn spreadsheet

Hi Jason

I was just talkick 4p4 (6) Personal information GIA. They use software called MLU for leaky aquifers. They use it to predict drawdown in the Hutton from CSG activities. It is easier and cheaper than running their model for a lot of applications. It is cheap to buy also. A review of the software is here http://www.microfem.com/products/GroundwaterJournal MLU Review.pdf

I am discussing with Keith how I might use this to come up with set back distances for the GAB aquifers – this should give us smaller set backs that are more realistic given the aquifers are leaky.

Thought you might like to know.

Regards Michael

From: JAMIESON Michael

Sent: Thursday, 15 February 2018 5:14 PM

To: CHAVASSE Jason < <u>Jason.Chavasse@dnrme.qld.gov.au</u>>

Subject: RE: Theis eqn spreadsheet

Hi Jason

I should have told you how this works.

You enter parameters into the yellow boxes.

You can calculate 3 sets of drawdown at once, for 3 different S values, S1, S2, S3. Most of the time you just want to have an answer for a single S value, so then just use S1.

u and drawdown are calculated at the distances you enter into the radius row into the yellow boxes.

To find the distance at which drawdown equals a given vale, say 5m, requires a bit of trial and error with this spreadsheet. You can graph drawdown vs radius to help you do this.

So this spreadsheet isn't perfect for finding separation distance for a defined drawdown. There is probably better software for doing this out there

However you really only need to do this once, for a given set of parameters, at a given Q, and then you have the number for future reference. This is what we did for the GABORA protocol and for the GAB ROP tables.

Regards Michael

From: JAMIESON Michael

Sent: Thursday, 15 February 2018 5:05 PM

To: CHAVASSE Jason < <u>Jason.Chavasse@dnrme.qld.gov.au</u>>

Subject: Theis eqn spreadsheet

Date: 15/02/2018 5:47:38 PM From: "CHAVASSE Jason'

To: "HAUSLER Paul", "PYMBLEWARD Coby" Subject: FW: Check of drawdown equation Attachment: image001.png;image002.png;

FYI

Jason Chavasse Principal Project Manager Water Services - Groundwater

From: IAMIESON Michael

Sent: Thursday, 8 February 2018 7:56 PM

To: CHAVASSE Jason < Jason.Chavasse@dnrme.qld.gov.au>
Subject: RE: Check of drawdown equation

Hi Jason

The formula you have is based on the Cooper and Jacob linear approximation of the Theis well function. It is a standard method used for estimating aquifer hydraulic parameters from pump tests, and for estimating drawdown at a distance from a pumping well.

I have checked the algebra and confirm that the form of the equation you are proposing to use in your plans is consistent with the equation published by Cooper and Jacob in their 1946 publication.

Jacob Cooper, as for the Theis equation, assumes that the aquifer is confined and non-leaky, infinite in extent, and uniform thickness. We know that some of these conditions are not satisfied, but even so the Cooper Jacob approximation is generally used by hydrogeologists as a way of estimating drawdown to a level of confidence that is acceptable for many applications, such as defining set-back distances for new bores, and it is appropriate for use in your situation in the Border rivers.

However, the Cooper and Jacob linear approximation is only valid in situations where the Theis well function is approximately linear (the Theis function is an exponential function). There is a simple test used to figure out when this happens, as explained on this web page http://www.aqtesolv.com/cooper-jacob.htm#Cooper_Jacob_Equation

This is the test: $u = (r^2S)/(4Tt) = < 0.01$, as recommended in Kruseman and de Ridder, 1994;

Driscoll, 1986, is another reference, and it recommends u =< 0.05.

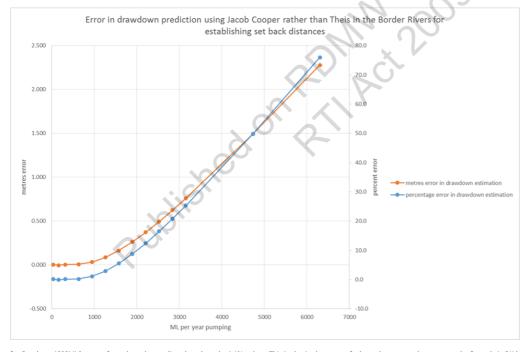
These references can be seen on the web site I linked above

Which reference you use depends on how critical your drawdown prediction is. I would suggest that the Driscoll referenced u-test is appropriate in your situation (u =< 0.05)

If we use the test: u =< 0.05, we get that the formula you have is valid only for the Border Rivers at distances from the pumping well less than 3,820 metres.

To show what happens when you apply your formula at distances greater than 3820 metres. I applied your formula (based on Cooper Jacob) to some examples, and then used Theis to predict the drawdown, I graphed this

	L/s	1	5	10	20	30	40	50	60	70	80	90	100	150	200
	Q (m ³ /day)	86.4	432	864	1728	2592	3456	4320	5184	6048	6912	7776	8640	12960	17280
	ML/yr	31.536	157.68	315.36	630.72	946.08	1261.44	1576.8	1892.16	2207.52	2522.88	2838.24	3153.6	4730.4	6307.2
Jacob Cooper							_(_)								
approximation	minimum set back distance (metres)	0	2.1	162.4	1442.8	2988	4300.1	5349.7	6188.3	<mark>6866.6</mark>	<mark>7423.6</mark>	<mark>7887.9</mark>	<mark>8280.2</mark>	9578.1	10301.4
Theis equation	predicted drawdown (metres)	3.003	2.996	3.003	3.007	3.033	3.087	3.165	3.261	3.372	3.494	3.623	3.759	4.495	5.280
	error on 3m target drawdown limit														
	(metres)	0.003	-0.004	0.003	0.007	0.033	0.087	0.165	0.261	0.372	0.494	0.623	0.759	1.495	2.280
	error on 3m target drawdown limit (%)	0.1	-0.1	0.1	0.2	1.1	2.9	5.5	<mark>8.7</mark>	12.4	16.5	<mark>20.8</mark>	<mark>25.3</mark>	<mark>49.8</mark>	<mark>76</mark>



for Q < about 1000ML/yr, your formula under predicts drawdown by 1.1% or less. This is also in the range of where the u – test also suggests the formula is OK (set back is 2988 metres, which is less than the u-test result of

However, for Q > about 1000ML/yr, your formula is under predicting drawdown by an increasing amount:3% error @ 1260ML; 25% error @ 3150ML; 76% error @ 6300ML.

However, maybe there are other limits in your plan that mean no licence can ever be granted more than 1000ML?

If there is the prospect of licences with greater than 1000ML, then you should consider using the Theis equation rather than the Jacob Cooper approximation.

Give me a call if you would like to discuss,

Regards Michael

Michael Jamieson Principal Policy Officer | Strategic Water Programs Natural Resources, Mines and Energy **Telephone:** 3137 4244 Email: michael.jamieson@dnrme.qld.gov.au
Website http://www.dnrm.qld.gov.au

Department Natural Resources, Mines and Energy PO Box 15216, City East Queensland 4002

From: CHAVASSE Jason

Sent: Thursday, 8 February 2018 12:49 PM
To: JAMIESON Michael < Michael Jamieson@dnrme.qld.gov.au>

Subject: Check of drawdown equation

Hi Michael

Could you please assist me in verifying the rearrangement of the Thiess/Cooper Jacob equation to solve for radius of drawdown? I'm not a formula guru and I would like to have some further check on its validity.

This is going in our Water Plans and I would like a peer review to ensure we have the formula arranged correctly.

Let me know if you need more information or would like to discuss.

Thanks

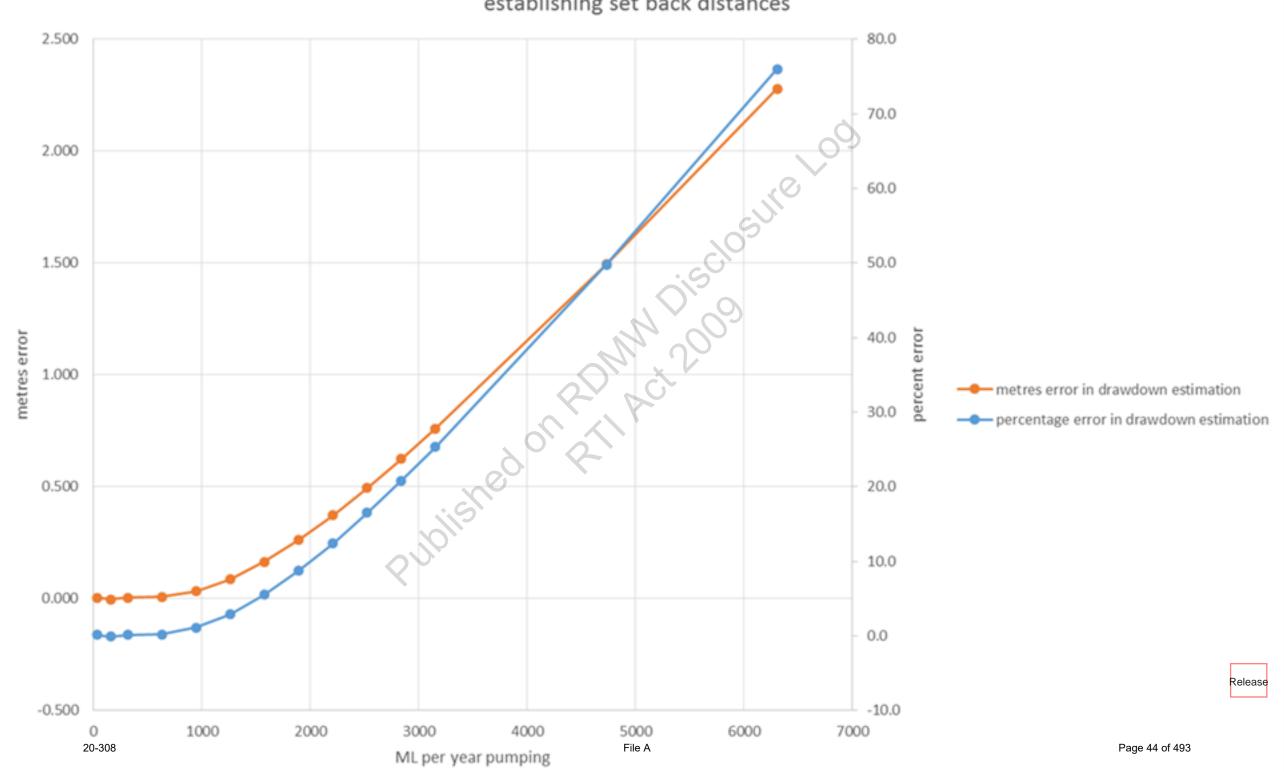
101 Calculating of minimum separation distance

(1) For each groundwater subarea the minimum separation distance must be calculated for each point of take on the water allocation or point of take condition on the water licence using the following formula—



		$Dist^{Min} = \int \frac{2.25Tt}{\frac{(4\pi T_c^2)}{4\pi T_c^2}}$
(2) Err	ror! Reference source not found. details parameters for calculating the minimum	separation distance 10 (232)
Dist ^{Min}	DisMin is the minimum separation distance in meters between a proposed point of take and any point of take associated with another water entitlement.	0
Г	T is the transmissivity for the Border Rivers Alluvium in m²/day. The transmissivity used is 200 m²/day.	. 03
	t is the pumping duration in days to be used for the assessment which is as follows— for a water allocation—3650 days; for a seasonal water assignment—250 days; and	
	S is the assumed storage coefficient for the aquifer of 0.01 s is the acceptable drawdown in metres. The acceptable drawdown impact is 3 metres or less.	
Q	Q is the pumping rate in m ³ /day for the proposed water allocation or seasonal water assignment which is as follows— • for a water allocation Vol ^{ML} /365 days; • for a seasonal water assignment—Vol ^{ML} /250 days.	closure 100
Vol ^{ML}	Vol ^{ML} is volume permitted to be taken in a year in megalitres which is as follows— of ra water allocation with water allocation group BRA01 or BRA02 — volumetric limit; of ra water allocation with water allocation group BRA03—'nominal volume'	Oiso
	for a seasonal water assignment—'maximum volume to be taken'	1 20
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	Q V	
	•	

Error in drawdown prediction using Jacob Cooper rather than Theis in the Border Rivers for establishing set back distances



Date: 1/03/2018 5:14:19 PM From: "CHAVASSE Jason" To: "CHAVASSE Jason"

Subject: FW: DVIA consultation - DNRM groundwater planning proposals

Attachment: BRA Summary consultation proposals 6-9-17.pdf;BRA Trade zone envelopes and performance 20-9-17.pdf;Border

Rivers Alluvium Trade Zones.JPG;image001.jpg;image003.jpg;image004.png;image005.png;image007.png;

Jason Chavasse Principal Project Manager Water Services – Groundwater Toowoomba

From: CHAVASSE Jason

Sent: Wednesday, 20 September 2017 4:51 PM sch4[px 6) Personal information@brff.com.au>

Subject: RE: DVIA consultation - DNRM groundwater planning proposals

sch4p4(H6) Personal information

I have added my amendments to the minuted text below in red writing with the intent of clarifying to ensure no misunderstanding.

I also thought it best I include information I committed to supplying (as outlined in the minutes) that being:

- The summary document of consultation proposals (as circulated at the meeting) there may be some matters in there that stakeholders do not agree on however these have been worked through various consultations and will remain as the basis for plan development.
- A map of the zones as proposed to be put in the draft Water Plan; and
- A table that details the zone trade volumes (envelopes) that are proposed to go into the Water Management Protocol.

In terms of the commitment to provide some more information from the model regarding the 70% trade zone envelope volume, I have tabled below the outcomes of the modelled scenario:

	Zoi	ne 1	Zo	one 2	Zo	one 5
	Volumetric Limit (ML)	Nominal Volume (ML)	Volumetric Limit (ML)	Nominal Volume (ML)	Volumetric Limit (ML)	Nominal Volume (ML)
Current entitlement	1684	896	2500	1330	2575	1370
Performance*	-	97%		100%	-	91%
70% extra volume	1179	627	1750	931	1803	959
Total entitlement	2863	1523	4250	2261	4378	2329
Performance*	-	87%		80%	-	69%

^{*} Performance is the mean annual diversion/demand.

The draft Water Plan will reflect the previously agreed envelope volumes (as detailed in the attached table). All entitlement holders are encouraged to submit on the draft plan if they disagree with aspects of the Water Plan and Water Management Protocol.

If you could circulate the attached and contained information that would be appreciated.

If anyone has questions, I will be more than happy to discuss over the phone or via email.

Kind regards Jason



Jason Chavasse

Principal Natural Resources Officer Water Services I Service Delivery I South Region Department of Natural Resources and Mines

P 07 4529C#4334M6) Personal information 203 Tor Street, Toowoomba Qld 4350 PO Box 318, Toowoomba Qld 4350 Email: jason.chavasse@dnrm.qld.gov.au

schipm: 6) Personal informationadmin@brff.com.au]

Sent: Monday, 18 September 2017 3:55 PM

To: CHAVASSE Jason < <u>Jason.Chavasse@dnrm.qld.gov.au</u>>

Subject: RE: DVIA consultation - DNRM groundwater planning proposals

Below are my dot points, if you can edit them in case I have my notes/information incorrect that would be appreciated. (the ones highlighted in yellow are the ones I really have no idea about)

- We have had five meetings with representatives of the DVIA regarding the Border Rivers Alluvium and the Dumaresq River
- Consultation has involved policy proposals being put to the committee for their comment and feedback at each meeting with some changes occurring along the way.
- Once the draft plan has been released for public consultation and submissions received, if there are any outstanding matters the department cannot resolve, the department may send the matters to a specifically convened referral panel who will provide advice and recommendations on the approach to take to the matter.

s.73 Irrelevant information

- There are two proposed options to management of announced allocations. As a start all entitlement holders will be subject to a fluctuating announced allocation based on the previous year/s use. This would mean that if use exceeds the management volume limit of 8085 ML in any year, the volume that exceeded the 8085 ML limit will need to be recovered in order to manage the take in the following year (resulting in a reduced announced allocation).
- If the profile of use continues in the BRA as it has done for the past 17 years of metered data with the 8085 ML management limit, there would only be 2 years where announced allocations would be below 100%.
- The second option is for an entitlement holder who requires greater certainty over access to water to lock in their AA at \sim 53%, once locked in you would be managed at 53% for the 10 year period. You would not be subject to changing AA limitations.
- The shallow Dumaresq River Alluvium will continue to be managed separately
- Pullolished Anyone wanting to trade shallow water will only be permitted to undertake temporary seasonal water assignment and will also need to be metered

s.73 Irrelevant information

Trade Zones

• The Zones will be in the Water Plan and will be unlikely to change in the 10 year plan life

sch4p4 (6) Personal information concerns on the zones there are too many zones I can see that these zones are going to make water expensive in some zones and worth near zero in other zones. These are destined to have major impacts and he would like to see more modelling

Do we want One zone for the whole of Qld and then review that on 10 years' time? 20-308 it the zones or is it the amount of water being allowed to trade?

- This association would like a one pager that explains this clearer and then we can circulate that amongst everyone and make sure that everyone is on the same page and then let you know - Jason agreed to supply this information to the association for review for the groundwater members
- Double the envelope in each zone but have half for permanent and half for temporary
 - o It was agreed that there has to be more flexibility
- Jason so you are thinking of X % of the envelope is for seasonable trade only?
- The zones were tested in the model and that has supported the location and volumes of the water in the zones.
- Once the water plan is in place review may not happen for another ten years as this is the statutory timeframe, unless the
 Minister agrees it is necessary. However within the 10 year timeframe, the operational rules in the Water Management
 Protocol (e.g. water sharing rules; trade envelope volumes; and trade rules) are able to be reviewed and amended if
 necessary.
- It is important to note that there will be a draft plan for public consultation and submissions for further information to be provided to the department through the planning process likely draft Water Plan in Jan/Feb 2018.
 - Association: we need to have something in these plans coming up that state we ARE allowed to review and change if it does not work for us.
 - o Once we have the one pager from Jason we can look at what we need flexibility with and what we need to have changed.
- If a Zone envelope is 1000 ML and someone trades 200 ML out then there is a gap of 200 ML in that zone that can be traded back in.
- Jason agreed to speak with the modeller regarding putting more water into the zones (extra 70%) except 3 and 4; and provide a
 clearer picture of the volumetric limits in the current proposed envelopes advise the DVIA of these outcomes.

sch4p4(6) Personal information Executive Assistant

Border Rivers Food & Fibre PO Box 507 GDI Qld 4390

2: 07 4671 3888

M: sch4p4(6) Personal information

W: www.brff.com.au Skype: office.brff

We would like to welcome our new Associate Members for 2017. We encourage all members to support the local businesses that support BRFF















From: CHAVASSE Jason [mailto:Jason.Chavasse@dnrm.qld.gov.au]

Sent: Monday, September 18, 2017 3:13 PM sch4p**TQ:**6) Personal information@brff.com.au>

Subject: RE: DVIA consultation - DNRM groundwater planning proposals

sch4p4്പ് പ്ലെ Personal information be very much appreciated.

schiomic 6) Personal informationadmin@brff.com.au]

Sent: Monday, 18 September 2017 3:12 PM

To: CHAVASSE Jason < <u>Jason.Chavasse@dnrm.qld.gov.au</u>>

Subject: RE: DVIA consultation - DNRM groundwater planning proposals

Thanks Jason,

Once I have typed the points out could I send it to you in case in needs editing as I am not familiar with the groundwater issues in the Dumaresq as I have not been to any of the meetings since you guys started to meet with the members?

sch4p4(6) Personal information

Executive Assistant

Border Rivers Food & Fibre PO Box 507 GDI Qld 4390

2: 07 4671 3888

4p4(6) Personal information

W: www.brff.com.au Skype: office.brff

We would like to welcome our new Associate Members for 2017. We encourage all members to support the local businesses that support BRFF















From: CHAVASSE Jason [mailto:Jason.Chavasse@dnrm.qld.gov.au]

Sent: Monday, September 18, 2017 3:09 PM sch4 [4] 6) Personal information brff.com.au>

Subject: DVIA consultation - DNRM groundwater planning proposals

sch4p4(6) Personal information

As discussed, I have attached the summary of proposals handed out at the last meeting.

These are current as at 6 September but do not include any discussions or outcomes held at this meeting.

Cheers Jason



Jason Chavasse

Principal Natural Resources Officer Water Services I Service Delivery I South Region Department of Natural Resources and Mines

P 07 4529 1233 M 0429 626 437 203 Tor Street, Toowoomba Qld 4350 PO Box 318, Toowoomba Qld 4350 Email: jason.chavasse@dnrm.qld.gov.au -----

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Published on Rathact 2009

Queensland draft Border Rivers Water Plan Consultation – Border Rivers Alluvium

Summary of proposed policy and consultation outcomes

Since the release of the Statement of Proposals for the Queensland Border Rivers Water Plan review in July 2016, the Queensland Department of Natural Resources and Mines has engaged with the Dumaresq Valley Irrigators Association (DVIA). The DVIA has represented entitlement holders for alluvial groundwater matters upstream of Keetah Bridge. To date, the department has held 6 consultation sessions to work through a number of matters, the outcomes of which are detailed in the table below.

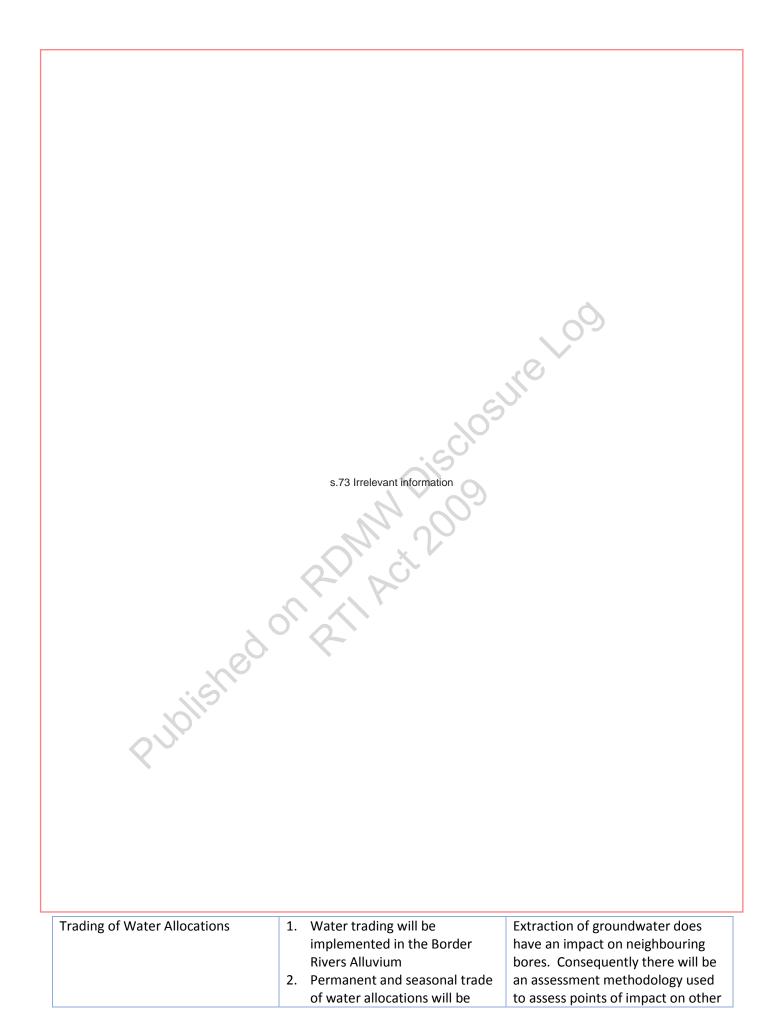
The proposals outlined in the table below have been discussed in meetings between the DVIA stakeholder advisory group and the department and will be used to guide the outcomes in the draft Water Plan. Given the Water Plan is the Ministers Plan, changes to the proposals detailed below could occur between consultation and the draft Water Plan.

The draft Water Plan is scheduled to be released for public consultation in January/February 2018. This is an important stage where entitlement holders and members of the community can provide further formal input on the proposed outcomes of the draft Water Plan for the Border Rivers.

Commencement of the Qld Border Rivers and Moonie Water Plan is expected on 1 July 2019.

Issue	Proposal	1 / 0	Explanation	
	Proposal s.73 Irrela	SCT SOO		
Rillo	s.73 Irrele	evant information		





- assessed to make sure they do not have significant impact on the standing water level (SWL) of other entitlement holders.
- 3. Zones will be established to help manage the movement of traded water and to prevent 'hotspots' or the accumulation of entitlements in an area.
- 4. Groundwater will be able to be traded within the zones, subject to separation rules; and between zones subject to separation rules and available space within the 'water envelope'.
- Envelopes will include permanent and seasonal trades.
- Points of extraction (bores) will be specifically identified as a geographic set of coordinates on the water allocation.
- 7. An option for alternative assessment of impact assessment is also proposed.

entitlement holders. This is also consistent with the NSW approach in trade of water allocations.

A provision for an alternative assessment of impact will be included in the management rules. Under these provisions, the entitlement holder will be able to undertake an alternative assessment to the satisfaction of the chief executive (where the assessment undertaken by the chief executive does not permit the trade).

To accommodate the separation distance assessment, specific points will be placed on the water allocation. The points will be informed by the current entitlement bore locations. These locations will be used in the assessment rules to determine impacts to neighbouring entitlements.

There will be an opportunity with the release of the draft Water Plan for an entitlement holder to further check the accuracy of these proposed bore locations.

QLD trade zones and trade envelopes

Trade zones and the 'water envelopes' were discussed at the stakeholder meeting on the 3 August and 6 September. The following zones and envelopes are proposed:

Zone 1 and 2 boundary

- Commencement of the semiconfining layer
- Upstream the resource is unconfined (no deep or shallow)

Zone 2 and 3 boundary

- Further confining of alluvium (showing more confined response)
- Alluvium narrows
- Proposed as option by DVIA

Zone 3 and 4 boundary

Zone 4 – No trade envelope due to entitlement holder concerns on current level of entitlement and performance of bores.

Agreed trade envelope volumes were discussed at the stakeholder meeting on the 3 August and adjusted to a suitable volume based on feedback.

Further feedback was provided by some stakeholders on envelope volumes at the meeting on 6 September 2017. Based on this feedback and some further modelling work the proposed envelopes are as detailed in the attached table.

- Management decision zone three contains TWS
- Zone extent shows similar drawdown influences and effects
- Recognise existing sub-area boundary as a hydrological division
- Proposed as option by DVIA

Zone 4 and 5 boundary

- Management decision large existing entitlement in Zone 4
- DVIA recognise area as having noticeable neighbour pumping effects
- Split allows for future management options
- Model outcomes support boundary

Trade envelope volumes and Atline Atline Atlanta and a state of the sta performance are outlined in the

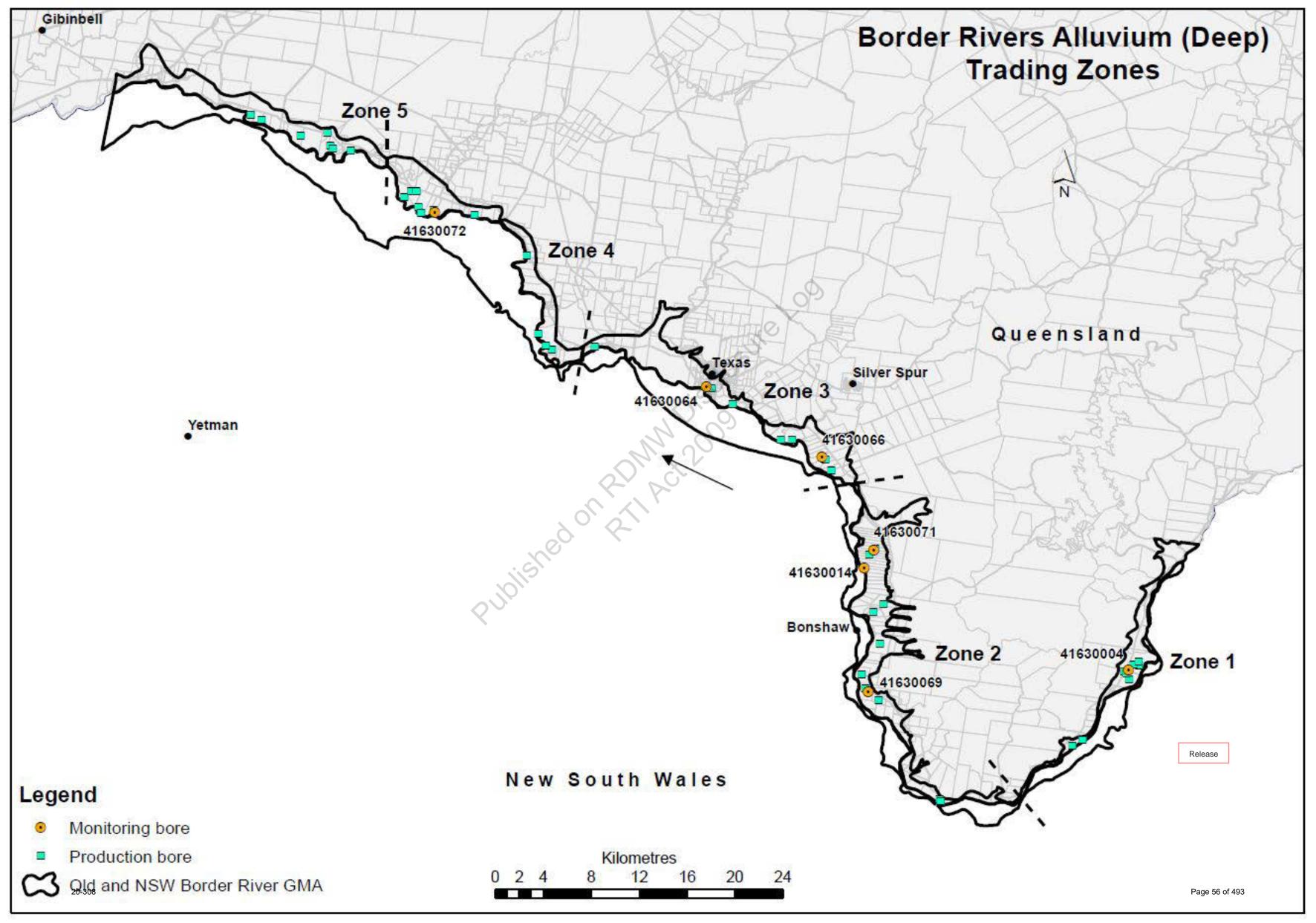
Border Rivers Alluvium – Proposed Trade Zone Envelopes and Performance

	Zone	2 1	Zone	2	Zone	3	Zone	<u>4</u>	Zone	<u>5</u>
	Volumetric Limit (ML)	Nominal Volume (ML)								
Current entitlement	1684	896	2500	1330	1872	996	5290	2814	2575	1370
Performance*		97%		100%		94%		56%		91%
Extra 20% envelope	337	179	500	266	374	199	1058	563	515	274
Total entitlement (incl. 20% extra)	2021	1075	3000	1596	2247	1195	6347	3377	3090	1644
Performance*		94%		95%		90%		47%		87%
Extra 50% envelope	842	448	1250	665	936	498	2645	1407	1288	685
Total entitlement (incl. 50% extra)	2526	1344	3750	1995	2808	1494	7934	4221	3863	2055
Performance*		89%	S	85%		89%		38%		76%

^{*} Performance is the mean annual diversion/demand.

For example a zone group with a 90% performance achieves, on average, 90% of the demand nominal volume each year.

- Proposed trade zone envelope volumes (Note - Zone 4 has current entitlement only – i.e. no extra trade volume envelope).



Date: 26/07/2017 1:19:51 PM From: "CHAVASSE Jason" To: "MOLONEY Shane"

Subject: Hydro equation assistance

Attachment: Report Border Rivers Pump Drawdown Estimate Methodology.docx;

Not sure what your maths equations are like but can you see if you can do a bit of a double check on the re-arranging of these equations to solve for radius of drawdown. These re-arranging come from the Theis and Cooper Jacob equations or variations thereof. The aim being to re-arrange to allow for an assessment of the radius of impact on another entitlement holder.

The paper is a quick assessment that I asked Melissa to do as to whether current SWANs that occur in the BRA GMA would still be permitted on commencement of the water plan/protocol rules for point to point impact assessment in the border alluvium. Although this paper is not the one that will inform the final decision, the analytical equations are the ones proposed to be used - we will need to confirm the aquifer parameters that we decide to use - outcome of model conceptualisation.

Just wanted to have a double check and I'm not a mathematician or even half one!

Also Meeting for DVIA is next Thursday at the Texas Golf Club 10am to 1pm, hope you can make it. Published on Rath Act 2009

Published on Rath Act 2009

Thanks Jason

Seasonal water assignment – assessment of historical transactions

Pump drawdown estimates

18 July 2017

Author: Melissa McLean
Prepared for: Jason Chavasse

Report Number: BWP-17-1001

Revision: Draft

WRP Activities (Gen 2) – Groundwater Team

DNRM Basin Water Planning, Toowoomba

IN POLITICE SON

1 Introduction

This report proposes a numerical model to estimate the performance of historical seasonal water assignments in the Border Rivers Alluvium groundwater management area (under the proposed trade assessment framework) on existing entitlement holders.

This report documents the method used to estimate the distance existing pump drawdown on neighbouring entitlements.

The reason for the assessment is to propose a set of hydraulic parameters that permit the historical seasonal water assignments to continue under the proposed amendments to water sharing rules in the Border Rivers Alluvium groundwater management area.

2 Method

A Microsoft Excel data model was developed to estimate the pump drawdown between neighbouring entitlements. The following datasets and parameters were used to develop the estimates.

2.1 Management Zones Model assessment areas

The management of the Border Rivers Alluvium will occur through 6 proposed zones, these management and trade zones are located based on geological and aquifer characteristics and for future management of entitlements.

For the purposes of assessing the impacts of trades on existing entitlements, two different analytical models will be used depending on whether the conditions of the aquifer are confined or unconfined.

At the draft stage, it is proposed that trades within Zones 1 and 2 will be assessed using an unconfined model (Lohman's equation) with Zones 3-5 being assessed via a confined model (Theiss equation). The boundary of subarea 2/3 is proposed to be the divide where the change of assessment occurs (approximately Longitude 151.28).

- Two (2) management zones are proposed for the assessment of trades
- Sub-area 1 East of Texas (Longitude 151.07)
- Sub-area 2 West of Texas (Longitude 151.07)

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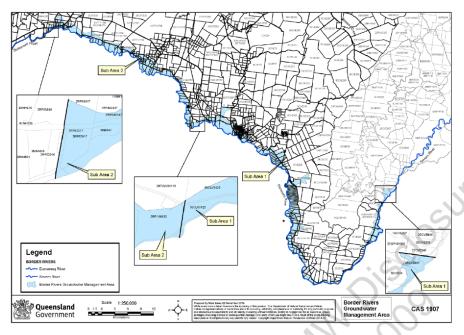


Figure 2.1. There are two (2) management zones proposed for the assessment of proposed water licence transfers (trades)

2.2 Datasets

- Water Management Systems Report General Search Licence to Take Water
- Water Management System Report General Search Seasonal Water Assignments
- Goondiwindi Office Water Account metered works
- Groundwater database registered water bore location (unvalidated)
- Border Rivers Alluvium Model Calibrated Aquifer Hydraulic Properties (Layer 3)

2.3 Hydraulic Properties

Reference:

DSITI, 2017. Border Rivers Alluvium Hydraulic Model – Layer 3, Queensland Government, Unpublished.

Description	Item	Unit	Sub-area 1	Sub-area 2
Condition	-	-	Unconfined	Confined
Drawdown	S	m	0.5	<u>3</u> 2
Transmissivity	T	m ² d ⁻¹	500	500
Specific yield	S	Percent	0.08	0.0088
Time	t	d	100	100

Commented [CJ1]: This should be the same as confined

Commented [CJ2]: This needs to be 3m as we are proposing to match NSW

2.4 Pump Drawdown Equations

2.4.1 Confined aquifer

Equation reference:

Lohman, SW 1972. Groundwater Hydraulics: Geological Survey Professional Paper 708, United States Geological Survey, Washington, p. 19.

$$r^2 = \frac{\frac{\frac{2.25Tt}{\log_{10}^{-1} \left(\frac{T}{2.3Q/4\pi s}\right)}}{S}}{S}$$

2.4.2 Unconfined aquifer

Equation reference:

, United States Lohman, SW 1972. Groundwater Hydraulics: Geological Survey Professional Paper 708, United States Geological Survey, Washington, p. 56.

$$r^2 = \frac{2.25Tt}{S \log_{10}^{-1} [4\pi T s/2.30Q]}$$

2.5 Results of the assessment

The purpose of the analysis was to compare the performance of historical seasonal water assignments under the proposed pump drawdown estimate method.

The results of the analysis in Table 2.1 show that under the numerical data model all historical seasonal water assignments would pass the proposed method.

Table 2.1. All historical seasonal water assignments pass the proposed pump drawdown model parameters

Item	Client Name	Sub-area	Auth	Licence Volume	Seasonal Volume	Total Drawdown Distance (km)	Result
1		1		300	150	1.118	Pass (
2		1		400	190	1.217	Pass
3		1		450	200	1.376	Pass
sch4p4	6) Personal info	rm sahi4p 4(6) Personal in	formation)
4		2		350	200	0.747	Pass

3 Conclusion and further work

A numerical model to estimate the performance of historical seasonal water assignments under a proposed trade assessment framework was developed.

The results of the analysis show that all of the historical seasonal water assignments would be permitted under the numerical model proposed in this report.

Further work is required to validate the location of existing metered water bores to develop a full scale trade assessment analysis.

4 Dataset



Date: 26/09/2018 2:15:08 PM From: "CHAVASSE Jason" To: "PYMBLEWARD Coby"

Subject: PRP Groundwater Water Plan and Other Policy BRM

Attachment: PRP Groundwater Water Plan and Other Policy BRM.docx;

My comments etc



Groundwater Water Plan and Other Policy

Version history

Status	Version no.	Date	Changed by	Nature of amendment
Works hop Versio n	1	20 Sept 2018	Coby Pymble-Ward; Jason Chavasse	Version for policy workshop

Development history

Title	Details
Plan area	Border Rivers and Moonie
Policy type	Position statements
Prepared by	Cate Hoye; Leigh Hansen; Cathy Willis; Paul Hausler; Jason Chavasse; Coby Pymble-Ward
Title	Groundwater Water Plan and Other Policy
Reviewed by	Coby Pymble-Ward; Jason Chavas <u>s</u> e
Group/region	Toowoomba, Brisbane
Location	Na
File no	Na
Review trigger	Policy workshop endorsement
*	Published on Pall

Context

This paper addresses water plan and other policy in response to <u>2</u> submissions on the draft Border Rivers and Moonie water plan and water management protocol.

The policy review group requested at the policy workshop of 24 September 2018 that the following issues be noted by the PRP as these matters were raised by

stakeholders sch4p4(6) Personal information who

requested delegations with the Minister and met with the ED Water Policy.

Important Note

The submissions received from ch4p4(6) Personal informationill not result in the department significantly changing direction on the preferred policy approach. The approach is outlined below in the policy position section and was based on the draft provisions and consideration of all submissions received on this matter.

The draft Border Rivers and Moonie water plan and water management protocol includes provisions to <u>undertake several changes, however those listed below were of concern to the 2 submitters:</u>

- Convert groundwater licences in the Border Rivers Alluvium (deep) to water allocations specifying a:
 - o volumetric limit equal to the nominal entitlement of the converting licence
 - nominal volume equal to 53% of the nominal entitlement of the converting licence reflecting the agreed share of the resource with NSW
 - water allocation security objective of 50% representing the probability of annual announced entitlements equalling the nominal volume or greater (WASO 2.0).
 - environmental flow objectives for productive base and baseflow equal to the 10th and 90th percentiles water levels respectively.
- Provide for a purpose of 'any' or 'urban'
- In conversion of water licences to water allocations, the decision was made to treat all water licences (with the exception of town water) equitably. There is no special case for larger users, historical use or purpose of use.
- Provide for five trading zones within the QLD BRA (deep) and zone envelopes of between 120-150% of existing entitlement (100% only in zone 4).
- Announced entitlement rules to manage use in the deep to the agreed share of the resource (53%) and the SDL over 10 years, with a variable (0-100%) and fixed (53%) announcement group.
- Permanent trade rules that:
 - $\circ\quad$ Permit a change of location that is for a replacement bore
 - Assess a change of location and amalgamation of two WAs such that zone envelopes are not exceeded and drawdown impacts are not unacceptable.
 - Prohibit a trade that is outside the BRA (deep) or would resulting zone envelopes being exceeded.
- Temporary trade (seasonal assignment) rules that approve SWAs that are:

Commented [CJ1]: Let's trim this to the matters raised as concern only

Commented [CJ2]: Remove – not an issue with these two submitters

 $\begin{tabular}{ll} \textbf{Commented [CJ3]:} & Remove - not an issue with these two submitters \\ \end{tabular}$

- o For the remainder of the water year;
- o Is within the BRA (deep)
- Does not result in zone envelopes being exceeded
- o Does not drawdown impacts that are unacceptable.

Matters raised by submitters but not considered in the Water Plan or associated documents

• An embargo on any new bores due to potential increase in extraction

Policy Position

In response to <u>all</u> submissions <u>received on the Border Rivers Alluvium</u>, the following items have been confirmed or amended in response to PRP or policy workshop endorsement:

- -1. Confirmed specification of 'any' entitlements with a nominal volume of 53% nominal entitlement reflecting the agreed share of the resource with NSW (PRP 24/7)
- -2. Confirmed specification of only two purposes (i.e. no stock intensive purpose) and not providing high security entitlements to some entitlements holders (i.e. all entitlements treated equally) (PRP 24/7)
- -3. Allow for volumes up to 100ML to be seasonally assigned without assessment (Policy Workshop 24/9)
- -4. Retain impact assessment rules that are consistent in principle with NSW, noting that drawdown threshold in draft WMP will be amended (Policy Workshop 24/9)
- -5. Retain proposed 5 trading zones but adopt envelopes that are 200-250% existing entitlement to provide for users to return to pre-conversion access (noting that EFOs will change) (Policy Workshop 24/9)
- -6. Amend announced entitlement rules to provide for an announcement floor of 50% and remove fixed announcement group (Policy Workshop 24/9)
- -7. Retain provisions providing for interstate trade subject to interstate agreement (i.e. do not provide for interstate trading through current plans) (Policy Workshop 24/9)
- -8. Retain provisions providing for permitted trade that is for a replacement bore that is within 10m (i.e. in line with replacement bore definition in Water Reg), do not increase to 50m (Policy Workshop 24/9)
- -9. <u>Confirmed</u> not <u>to</u> further limit <u>drilling of</u> new bores in the BRA (deep) <u>providing they</u> <u>meet point 4</u> (Policy Workshop 24/9)

sch4p4(6) Personal information



development of new holes, providing there is a sound

shifted.

methodology for the assessment of reasonable third party

impacts, as the basis for approval. This allows water to be

Table 1 Border Rivers and Moonie			
Submissions	Background/issues	Options/Proposed action	Policy Group/PRP
1. Trading (BRA deep)			
 I am strongly opposed to trade of both permanent and 	Issue background	Policy team proposed	Policy Group
temporary water, as I have significant concern this will lead to	The draft Border Rivers and Moonie water management	Continue to provide for trading Retain	Endorsed – have noted by PRP
growth in the water take from the aquifer. I believe that trade	protocol provides for the permanent and temporary	trading provisions for the in the BRA	in context of Campbell and
and protecting the aquifer are diametrically opposed. This could	trading of proposed water allocations in the Border Rivers	(deep)	Ostwald correspondence
have a detrimental effect on existing water users (110).	Alluvium (deep).	1	
I consider [the proposed approach for trade] is valid in achieving	 Dealing rules contained in the plans provide for trading 	Note that trade in the Border Rivers	
the objective of allowing trade to occur without compromising	anywhere within the sub-unit, including between zones,	Alluvium (deep) is to be manage	
the aquifer by dramatically lowering water tables in particular	subject to zone envelopes and assessment of potential	through:	
areas below the alluvium where current extractions are	drawdown impacts.	- Five zones and maximum zone	3
significant (111).	•	volumes (initial zone volumes	
We support the ability to trade water allocations provided there	 Envelopes and impact management are dealt separately 	are proposed to be of sufficient	•
are sufficient mechanisms in the WRP to protect existing users	in the table.	size to allow some opportunity for stakeholders to achieve pre-	
	Submissions received from stakeholders regarding trading	conversion access through	-
from third party impacts (131).	in general (i.e. not zones, envelopes or impact	trade when use is managed to	
We support the ability to trade water allocations, but there is	management) indicate:	53% and address concerns	
significant concern about lack of protection to existing water	 Opposition to -trade (permanent or temporary) due to concern it will lead to growth in take and 	about inflated water prices)	
users from third party impacts. Some members would prefer no	impacts on existing users (2 submissions)	- Third party drawdown impact	
trade at all to protect from potential impacts of trade and	 Support for trade provided adequate 	assessment consistent with	
movement of water extraction across the aquifer. Trades should	protections/no impact on existing users (8	approach implemented in NSW	
not impact on existing users. Sufficient protections need to be	submissions)	that will seek to consider	
built into the water plan to protect existing users to the greatest	 Trade rules should be developed through 	nearest neighbour and	
degree possible.	independent modelling (1 submissions)	cumulative impacts	
While we are accepting of trading in principle, we don't want it	 Trading should be of the volumetric limit not 		
to come at any cost or be unconstrained. (151; 152; 153).	nominal volume (1 submissions)	Note concerns about trading the BRA —	
Support temporary and permanent trade within the aquifer	 Trading should start out conservatively and ramp 	see policy discussion number 5.	
based on the following premise: all permanent trades and large	up later after review (1_submissions)	<u>_</u> `	
temporary trades are subject to stringent impact assessment	While largely supportive of trade, Sstakeholders in the		
which takes into account relevant bore positions, volumetric take	BRA (deep) have overwhelming submitted opposition the		
and any other relevant information on the NSW side of the	proposed trade assessment model based on 5 zones and		
aquifer. Our support or otherwise (for temporary and permanent	envelopes, coupled with third party drawdown impact		
trade) will be largely determined based on this assessment	assessment.		
systems as it must allow the greatest possible protection for	Stakeholders submit that trade assessment should be		
existing users and allow trade accordingly (158).	based on a single zone (as in NSW) and more robust third		
Due to the infancy of the GW model we would advocate a very	party impact assessment that considers cumulative (i.e.		
conservative approach to permanent trading. Once committed	the impact of all bores and trades on a single user)		
they are difficult to reverse if the initial modelling process	impacts including those in NSW.		
inaccurate and a neighbouring bore has been compromised. This	Despite concerns about the trading framework, only 2		
	submissions 14p4(6) Personal informationere received		
assumption can easily be revised upward at a future 10 year	opposing the trade of groundwater in principle. These two		
review if proven (160).	submissions indicate concern that trade will lead to		
There should be provision for all types of trade and the	growth in take and adverse effects on the aquifer and		
dovolonment at now halos, providing there is a sound	Water licere	· ·	· ·

5

Overwhelmingly entitlement holders want trade however

water users.

they want to be assured that:

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Rules around tr	ade should be developed with good independent
modelling and I	nave some flexibility in the case the expected
scenario does n	ot eventuate (162).

- Most [large entitlement holders/large developed users] are against trade and against the unretarded development of new bores. Trade will not increase value of the aguifer to the community or Australia but more likely make existing infrastructure redundant and inflict financial pressure on existing users. Trade must be restricted to shelter hotspots but also to minimise acceleration of usage and therefore damage to existing business (121)
- Seasonal trading of a reduced nominal volume would be unviable considering establishment cost and infrastructure, reducing income by 47%. Perm and temp trade should be of the volumetric quantity shown on the water allocation (167)

Submitters

sch4p4(6) Personal information

- o There will be no adverse impacts on existing entitlements through drawdown including the NSW entitlement extractions;
- o That there are mechanisms in place to protect users and the resource;
- o That there is simple seasonal/temporary trade mechanisms

- While use is likely to increase as under/un_used entitlement is bought by productive users, utilisation is already increasing in the BRA (deep). Use in the deep will be managed to 53% of entitlement over ten years.
- required manage take to the agreed share (i.e. users will have an announcement of 100%, with productive users being offset by those not taking). As use increases, announcements will be required to manage take. Should all users try to take their full entitlement, an annual announcement of 53 per cent would result.
- The increase in utilisation of entitlement will occur
 - o Land and water are currently being sold resulting
 - through the pumping of water into storages.

Issues and Risks

- While use is at current levels, no announcements will be
- whether trade is present or not through:
 - in utilisation of previously sleepy water; o Increases in existing entitlement extraction

2. Announced entitlements (BRA deep)



3. Replacement Bores (BRA deep)

- The Draft Plan limits the sinking of replacement bores to within 10 metres of existing bores. We submit that this is impractical and that 50 metres is a sensible distance that will allow good separation between failed and replacement holes (110; 151; 153)
- The draft Water Plan limits replacement bores to within 10 meters of existing bores. We agree that this is impractical and support the recommendation of 50 meters as more appropriate to allow sufficient separation between failed and replacement bores (131)
- Replacement bores should be within 50 metres from the existing bores (152)
- The draft currently states that replacement bores can only be completed within 10m of their current position. We would suggest that this is physically inappropriate and would suggest extending this out to 50m (158)

Issue Background

Stakeholders in the BRA (deep) have requested that provisions in the draft plan-WMP providing for a permitted water allocation change change of location (location/point of take) that is for a replacement bore, within 10m of the bore being replaced be amended to allow for a distance up to 50m.

Provisions in the draft WMP provide that a change of location on a water allocation is permitted where the bore is a replacement bore within 10 metres of the bore being replaced. These provisions were worded to align with the definition of replacement bore under the Water Regulation and the broader planning framework.

State Development Assessment Provisions state <u>that</u>s bores can be replaced for operational need without a development

Proposed approach

Retain current <u>WMP</u> provisions providing for a permitted change for a replacement bore within 10m of the bore being replaced.

Policy Group
Endorsed – have noted by PRP

in context of Campbell and
Ostwald correspondence

permit providing they are no further than 10m form from the Submitters original bore. Although this distance can sometimes be too close it is a provision that has been in legislation for a number sch4p4(6) Personal information of years and is accepted and know by drillers and stakeholders. The replacement bore provisions are intended to provide some operational flexibility to the landholder and does not prevent them drilling further away – subject to assessment of impacts on neighbouring bores. A change to increase the replacement bore distance in the BRA would just likely cause confusion among drillers and stakeholders and could make compliance difficult. It would also require a change to the Water Regulation and SDAP. 4. New bores (BRA deep) • I am in favour of a complete embargo on the drilling of new bores. Issue Background Proposed approach **Policy Group** Endorsed – have noted by PRP New bores would only lead to further extractions from the aquifer ith the current draft to the Formatted: Font: Bold This issue is expressed by tTwo entitlement holders located in in context of Campbell and extent that the above proposals ar (growth). Current yield of existing bores is regulating the annual Zone 4 and Zones5h4p4(6) Personal information requested Ostwald correspondence water take (110). rules to limit the drilling of new bores in the BRA (deep). Both • I think there has been large gaps in the process so far in drafting the stakeholders are concerned with any change in the use of Border rivers Plan. The Dumaresq Valley Irrigators association does water across the system and do not want to see any enDo not limit the drilling of new bores Formatted: Font: Not Bold not represent the interests of those businesses that have large additional or sleepy water activated. in the BRA (deep) noting that growth Formatted: Font: Not Bold entitlements and large developments that are already reliant on the will be managed through AEs and trade The Under the draft plan, the development of water sustainability of the aquifer. Most of us that are in this category are assessment (envelopes and drawdown infrastructure will not be limited to those who already have against trade and against the unretarded development of new bores. assessment) however they will be Formatted: Font: Not Bold entitlement and bores. These stake holders are regularly overlooked in invitations to DVIA managed to limit third party impacts. meetings and our opinions overlooked when we are invited (121) but be allowed to occur within the management limit, both

sch4p4(6) Personal information

Submitters

the shared interstate resource and the SDL. ThereDespite

controlled trade via zone envelopes

beas this will be managed through:

protection rules

concerns, there will not be 'unretarded' growth in fact it will

AEs managed managing use to the 'shared limit' and

location of bores managed by third party impact

20-308 File A Page 71 of 493

Approval
Date of Policy Workshop:
Reference workshop Policy workshop recommendations: Endorsed – have noted by PRP in context of Schap 4(6) Personal information
Rationale:
1051
Date of Policy Reference Panel consideration:
Reference Panel recommendation:
Rationale:
Panel Chair Signature:
Date:
veg P

Date: 20/02/2018 1:42:01 PM From: "HAUSLER Paul" To: "PYMBLEWARD Coby"

Subject: RE: 102 Calculating of drawdown impact

Attachment: image001.png;image002.jpg;



Paul Hausler

Water Policy | Southwest and Science

Department of Natural Resources, Mines and Energy

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From: PYMBLEWARD Coby

Sent: Tuesday, 20 February 2018 1:39 PM

To: HAUSLER Paul <Paul.Hausler@dnrme.qld.gov.au> Subject: 102 Calculating of drawdown impact

102 Calculating of drawdown impact

- (1) (?) the chief executive must keep a register of the points of take stated on issued entitlements (?).
- (2) For each proposed point of take stated on the application, the potential drawdown impact on another registered point of take must be calculated using the Theis equation as follows—



Coby Pymble-WardPolicy Officer

Water Policy | Water Planning (South West and Science)
Department of Natural Resources, Mines and Energy

P: (07) 3137 4263

E: Coby.PymbleWard@dnrm.qld.gov.au

A: Level 5, 1 William Street, Brisbane QLD 4000 | PO Box 15216 CITY EAST Brisbane QLD 4002



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- Consistent entitlement impact separation rules
- o WMP statement on trade by agreement with NSW.

s.73 Irrelevant information

- o Impact management cross-over and compatibility between Qld and NSW?
- o Future management of DRA and BRA as one matching NSW (perhaps not a topic for this meeting as there are a few complexities to Qld to manage first)

Regards, Paul Hausler

Water Policy South Region, Department Natural Resources and Mines

Telephone: 3181 5163 Facsimile: 3181 5173 Email: paul.hausler@dnrm.qld.gov.au

Level 5, 1 William Street

PO Box 15216, City East, Queensland 4002

Date: 16/02/2018 1:20:09 PM From: "CHAVASSE Jason" To: "PYMBLEWARD Coby"

 $Subject: RE: Separation \ distance \ calculation \ formula \\ Attachment: image001.png; image002.png; image004.png;$

Just leave as Mr Wu in the table...then it's all together...

Jason Chavasse Principal Project Manager Water Services – Groundwater Toowoomba

From: PYMBLEWARD Cobv

Sent: Friday, 16 February 2018 12:45 PM

To: CHAVASSE Jason < Jason. Chavasse @dnrme.qld.gov.au>; HAUSLER Paul < Paul. Hausler @dnrme.qld.gov.au>

Subject: RE: Separation distance calculation formula

Could have the distance/Wu chart attached as WMP appendix rather than the Wu equation

From: PYMBLEWARD Coby

Sent: Friday, 16 February 2018 12:34 PM

To: CHAVASSE Jason < <u>Jason.Chavasse@dnrme.qld.gov.au</u>>; HAUSLER Paul < <u>Paul.Hausler@dnrme.qld.gov.au</u>>

Subject: RE: Separation distance calculation formula

Fixed a mistake in the well function equation

From: PYMBLEWARD Coby

Sent: Friday, 16 February 2018 11:20 AM

To: CHAVASSE Jason Jason.Chavasse@dnrme.qld.gov.au; HAUSLER Paul Paul.Hausler@dnrme.qld.gov.au

Subject: RE: Separation distance calculation formula

Hi,

Possible provisions if we wanted to include the equation rather than just say Theis. Required a change in focus from 'min separation distance' to 'potential drawdown impact'.

Cheers

From: CHAVASSE Jason

Sent: Friday, 16 February 2018 11:10 AM

To: HAUSLER Paul < Paul. Hausler@dnrme.qld.gov.au>; PYMBLEWARD Coby < Coby. Pymbleward@dnrme.qld.gov.au>

Subject: RE: Separation distance calculation formula

Thanks Paul – I agree with all your statements – unlikely, relative for equity and not a precise instrument due to assumed values of aquifer properties.

Yes let's use for both Condamine and Border

Jason Chavasse
Principal Project Manager
Water Services – Groundwater
Toowoomba

From: HAUSLER Paul

Sent: Friday, 16 February 2018 8:42 AM

To: CHAVASSE Jason
Jason.Chavasse@dnrme.qld.gov.au
PYMBLEWARD Coby.Pymbleward@dnrme.qld.gov.au
Jason.Chavasse@dnrme.qld.gov.au

Subject: RE: Separation distance calculation formula

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If you're happy to change to Theis for both BRM and CB I'm happy with that. I'd prefer it if we could take a consistent approach across all 20-308 Page 75 of 493

Regards,



Paul Hausler

Water Policy | Southwest and Science

Department of Natural Resources, Mines and Energy

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E: paul.hausler@dnrme.qld.gov.au

A: 1 William St, Brisbane Qld 4000 | PO Box 15216, City East Qld 4002

W: www.dnrm.qld.gov.au

From: CHAVASSE Jason

Sent: Thursday, 15 February 2018 5:47 PM

 $\textbf{To:} \ HAUSLER \ Paul < \underline{Paul.Hausler@dnrme.qld.gov.au} >; \ PYMBLEWARD \ Coby < \underline{Coby.Pymbleward@dnrme.qld.gov.au} >; \ PYMBLEWARD \ Coby.Pymbleward@dnrme.qld.gov.au >; \ PYMBLEWARD \$

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(1) For each groundwater sub-area the minimum separation distance must be calculated for each point of take stated on the water allocation or point of take condition on the water licence using the Theis equation.

Cheers

J



Jason Chavasse

Principal Project Manager

Water Services | Service Delivery | South Region Department of Natural Resources, Mines and Energy

P 07 4520 4634 6) Personal information 203 Tor Street, Toowoomba QId 4350 PO Box 318, Toowoomba QId 4350

Email: jason.chavasse@dnrme.qld.gov.au

Date: 16/02/2018 1:19:09 PM From: "CHAVASSE Jason"

To: "PYMBLEWARD Coby", "HAUSLER Paul" Subject: RE: Separation distance calculation formula Attachment: image001.png;image002.png;image003.png;

Thanks Coby – I know we have discussed and waxed and waned on 103 (a) provision and its necessity – I think we should remove it, as it does not add value and we will assess internally.

Will also need to update SWA period to the 10 years as previously discussed, it will look a bit funny though for BRA.

Also I just thought we need to make sure we had:

Transmissivity values for Dalrymple and Oakey reflected in protocol to be 300 and 500 for Cunningham – could you add them in as such please

thanksJ

Jason Chavasse Principal Project Manager Water Services – Groundwater Toowoomba

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Water Services I Service Delivery I South Region Department of Natural Resources, Mines and Energy

P 07 4538h1434(6) Personal information 203 Tor Street, Toowoomba Qld 4350 PO Box 318, Toowoomba Qld 4350

Email: jason.chavasse@dnrme.qld.gov.au

Date: 16/02/2018 12:26:10 PM From: "CHAVASSE Jason"

To: "HAUSLER Paul", "PYMBLEWARD Coby"
Subject: RE: Separation distance calculation formula
Attachment: image001.png;image002.png;image003.png;

I think it would be necessary to avoid having people undermine the fact they could assess via seasonal to avoid a permanent restriction.

Jason Chavasse Principal Project Manager Water Services – Groundwater Toowoomba

From: HAUSLER Paul

Sent: Friday, 16 February 2018 12:15 PM

To: PYMBLEWARD Coby <Coby.Pymbleward@dnrme.qld.gov.au>; CHAVASSE Jason <Jason.Chavasse@dnrme.qld.gov.au>

Subject: RE: Separation distance calculation formula

Looks ok to me.

Jason – are happy with changing SWA duration to the same as permanent? I think we need to.

Regards



Paul Hausler

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Jason.Chavasse

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20-308 File A Page 79 of 493

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20-308 File A Page 80 of 493

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20-308 File A Page 82 of 493

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Email: <u>jason.chavasse@dnrme.qld.gov.au</u>

Published on Path Act 2009

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A: 1 William St, Brisbane Qld 4000 | PO Box 15216, City East Qld 4002

W: www.dnrm.qld.gov.au

From: CHAVASSE Jason

Sent: Thursday, 15 February 2018 5:47 PM

To: HAUSLER Paul <Paul.Hausler@dnrme.qld.gov.au>; PYMBLEWARD Coby <Coby.Pymbleward@dnrme.qld.gov.au>

Subject: Separation distance calculation formula

Hi Paul and Coby

After speaking with Michael J on the separation distance formula, we should use the Theis equations in the Border Rivers drawdown estimation to ensure we adequately assess the drawdown and do not underestimate impacts based on the fact that the Cooper Jacob is an estimation of Theis – that is it works for a range of values but outside of that can result in significant over and under estimations. The same parameters can remain for input to the formula.

For greater than 1000ML error starts to creep in whereby drawdown is greater than 3m (Not particularly significant but the fact that if someone really wanted to test our methodology – could happen BRA – we could be pulled up on the fact that the formula is not appropriate). It may not be likely to occur with total volumes above 1000ML but our trade envelopes certainly allow for it to occur. I think safer to use Theis and additionally there are plenty of online spreadsheets and programs that do the calculations – making life easier for us and for clients if they want to work out separations distances.

So there are a couple of questions we need to look at:

- Do you want to put the formula in the WMP can use GAB Gen 1, explanatory notes example.
- Alternatively we don't necessarily need the formula in there just state the Theis equation is used to calculate drawdown
- Perhaps we should use this in both CB and Border.

102 Calculating of minimum separation distance

(1) For each groundwater sub-area the minimum separation distance must be calculated for each point of take stated on the water allocation or point of take condition on the water licence using the Theis equation.

Cheers

.



Jason Chavasse

Principal Project Manager
Water Services I Service Delivery I South Region
Department of Natural Resources, Mines and
Energy

P 07 452811232 (16) Personal information 203 Tor Street, Toowoomba Qld 4350 PO Box 318, Toowoomba Qld 4350 Email: jason.chavasse@dnrme.qld.gov.au

Date: 16/02/2018 3:25:12 PM From: "CHAVASSE Jason" To: "PYMBLEWARD Coby"

Subject: RE: Separation distance calculation formula Attachment: image001.png;image002.png;image003.png;

yep

Jason Chavasse Principal Project Manager Water Services - Groundwater Toowoomba

From: PYMBLEWARD Coby

Sent: Friday, 16 February 2018 1:31 PM

To: CHAVASSE Jason < Jason. Chavasse@dnrme.qld.gov.au> Subject: RE: Separation distance calculation formula

Sure thing, still 500 for CCA correct?

From: CHAVASSE Jason

Sent: Friday, 16 February 2018 1:19 PM

To: PYMBLEWARD Coby < Coby. Pymbleward@dnrme.qld.gov.au >; HAUSLER Paul < Paul. Hausler@dnrme.qld.gov.au >

Subject: RE: Separation distance calculation formula

Thanks Coby – I know we have discussed and waxed and waned on 103 (a) provision and its necessity – I think we should remove it, as it does not add value and we will assess internally.

Will also need to update SWA period to the 10 years as previously discussed, it will look a bit funny though for BRA.

Also I just thought we need to make sure we had:

Transmissivity values for Dalrymple and Oakey reflected in protocol to be 300 and 500 for Cunningham – could you add them in as such please July 50

thanksJ

Jason Chavasse Principal Project Manager Water Services - Groundwater Toowoomba

From: PYMBLEWARD Coby

Sent: Friday, 16 February 2018 12:34 PM

To: CHAVASSE Jason Jason.Chavasse@dnrme.qld.gov.au; HAUSLER Paul Paul.Hausler@dnrme.qld.gov.au

Subject: RE: Separation distance calculation formula

Fixed a mistake in the well function equation

From: PYMBLEWARD Coby

Sent: Friday, 16 February 2018 11:20 AM

To: CHAVASSE Jason
Jason.Chavasse@dnrme.qld.gov.au>; HAUSLER Paul Paul.Hausler@dnrme.qld.gov.au>

Subject: RE: Separation distance calculation formula

Hi,

Possible provisions if we wanted to include the equation rather than just say Theis. Required a change in focus from 'min separation distance' to 'potential drawdown impact'.

Cheers

From: CHAVASSE Jason

Sent: Friday, 16 February 2018 11:10 AM

To: HAUSLER Paul < Paul . Hausler@dnrme.qld.gov.au >; PYMBLEWARD Coby < Coby. Pymbleward@dnrme.qld.gov.au >

Subject: RE: Separation distance calculation formula

Thanks Paul – I agree with all your statements – unlikely, relative for equity and not a precise instrument due to assumed values of aquifer properties.

Yes let's use for both Condamine and Border

Jason Chavasse Principal Project Manager 20-308

File A Page 86 of 493 From: HAUSLER Paul

Sent: Friday, 16 February 2018 8:42 AM

To: CHAVASSE Jason Jason.Chavasse@dnrme.qld.gov.au; PYMBLEWARD Coby Coby.Pymbleward@dnrme.qld.gov.au>

Subject: RE: Separation distance calculation formula

Dear Jason,

If you'd prefer to use Theis, let's change.

My view is that the chance of us being tested on the formula or significantly under predicting distance isn't a major drama because:

- largest entitlement is 1660 ML (and we only have 3 over 1000 ML) (all but one current entitlement trigger <3% difference)
- amalgamation could produce large entitlements, however limited to 5300 ML zone envelope max, differences >25%, but this would be highly(?) unlikely
- the primary goal of the formula is protecting equity (not so much identifying 3m drawdown as a particular business viability issue)
- the impact management approach is one of best fit rather than as a precise instrument.

If you're happy to change to Theis for both BRM and CB I'm happy with that. I'd prefer it if we could take a consistent approach across all alluviums.

Regards,



Paul Hausler

Water Policy | Southwest and Science
Department of Natural Resources, Mines and Energy

P: 07 3181 5163

E: paul.hausler@dnrme.qld.gov.au

A: 1 William St, Brisbane Qld 4000 | PO Box 15216, City East Qld 4002

W: www.dnrm.qld.gov.au

From: CHAVASSE Jason

Sent: Thursday, 15 February 2018 5:47 PM

To: HAUSLER Paul < Paul. Hausler@dnrme.qld.gov.au>; PYMBLEWARD Coby < Coby. Pymbleward@dnrme.qld.gov.au>

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- Perhaps we should use this in both CB and Border.

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(1) For each groundwater sub-area the minimum separation distance must be calculated for each point of take stated on the water allocation or point of take condition on the water licence using the Theis equation.

Cheers

.

Jason Chavasse

Principal Project Manager
Water Services | Service Delivery | So

Water Services I Service Delivery I South Region Department of Natural Resources, Mines and Energy

20-308 File A Page 87 of 493



P 07 4589h4293(Ng) Personal information 203 Tor Street, Toowoomba Qld 4350 PO Box 318, Toowoomba Qld 4350 Email: jason.chavasse@dnrme.qld.gov.au

Published on Relinkt 2009

Published on Relinkt 2009

20-308 File A Page 88 of 493

Date: 9/02/2018 11:37:25 AM From: "CHAVASSE Jason" Tah4p4(6) Personal information

Cc: "girraweenfarm@bigpond.com"

Subject: RE: Agenda items Dumaresq Valley Irrigators Association

Attachment: BRA Summary consultation proposals updated 1-2-18.docx;image001.jpg;image003.png;image004.png;image005.jpg;

sch4p4(b) Personal information

I believe Peter will be in contact with you regarding attendance at the meeting.

Please find an updated summary of consultation proposals (I have just provided some clarification of the proposed release period of the draft Water Plan). If you had planned to discuss at the meeting in my absence could you please reference this version instead of the one I sent vesterday.

Thankyou

Jason

Jason Chavasse Principal Project Manager Water Services - Groundwater Toowoomba

sc**កែទុស្ក**(<u>6) Personal info</u>malite jadmin@brff.com.au]

Sent: Friday, 9 February 2018 9:17 AM

ADINA DISCOSTIFICATION TO THE PORT OF THE To: CHAVASSE Jason < Jason.Chavasse@dnrme.gld.gov.au> Subject: RE: Agenda items Dumaresq Valley Irrigators Association

Thanks Jason,

Is Peter Brownhalls still attending?

sch4p4(6) Personal information

EXECUTIVE ASSISTANT

BORDER RIVERS FOOD & FIBRE

Phone sch4p4(6) Personal information

Email / Skype admin@brff.com.au

@brff1 Twitter Facebook @brff4390 Website www.brff.com.au PO Box 507, Goondiwindi, QLD 4390

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We would like to welcome our new Associate Members for this year. We strongly encourage all members to support the local businesses that support BRFF.

20-308 File A Page 89 of 493

















From: CHAVASSE Jason [mailto:Jason.Chavasse@dnrme.qld.gov.au]

Sent: 8 February, 2018 5:37 PM

sch459(6) Personal informatio@brff.com.au>; BROWNHALLS Peter < Peter.Brownhalls@dnrme.qld.gov.au>

Cc: girraweenfarm@bigpond.com

Subject: RE: Agenda items Dumaresq Valley Irrigators Association

sch4p4(6)i Personal information

Unfortunately, I have other commitments for the 27 and 28 February and will be unable to attend the meeting.

In terms of groundwater proposals, there has been no significant changes to the proposals (minor tweaking) since tabled at the last meeting in Texas on or about the 6 September last year.

The department will, as part of the release of the draft Water Plan for the Border Moonie catchments, be holding both public and stakeholder consultation meetings to discuss the matters outlined in the draft plan. This will obviously involve a meeting with DVIA to discuss groundwater and surface water matters. When we have some firmer dates for these meetings Peter and I will discuss with BRFF and DVIA.

Key groundwater matters are attached in the document that I have also previously circulated.

Schile (6) Personal information discuss with him before the meeting.

Cheers lason



Jason Chavasse

Principal Project Manager

Water Services I Service Delivery I South Region Department of Natural Resources, Mines and

P 07 4529ch243041(16) Personal information 203 Tor Street, Toowoomba Qld 4350 PO Box 318, Toowoomba Qld 4350

Email: <u>jason.chavasse@dnrme.qld.gov.au</u>

sofrema(6) Personal informailtionadmin@brff.com.au]

Sent: Thursday, 8 February 2018 3:50 PM

To: BROWNHALLS Peter <Peter.Brownhalls@dnrme.qld.gov.au>; CHAVASSE Jason <Jason.Chavasse@dnrme.qld.gov.au>

Subject: Agenda items Dumaresq Valley Irrigators Association

Peter and Jason,

27th February – Texas Golf Club, 1.30PM

Below are the points that will be discussed at the upcoming DVIA meeting that relate to Qld

- Qld Groundwater update
- Qld unsupplemented continuous accounting proposal
- Ramifications of the Northern Review disallowance motion
- Compliance NSW & QLD

Can you please send through your correct job title/s so I can update my system

Cheers

sch4p4(6) Personal information EXECUTIVE ASSISTANT

BORDER RIVERS FOOD & FIBRE

Phone sch4p4(6) Personal information

07 46713888

Email / Skype <u>admin@brff.com.au</u>

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Queensland draft Border Rivers Water Plan Consultation – Border Rivers Alluvium

Summary of proposed policy and consultation outcomes

Since the release of the Statement of Proposals for the Queensland Border Rivers Water Plan review in July 2016, the Queensland Department of Natural Resources, Mines and Energy has engaged with the Dumaresq Valley Irrigators Association (DVIA). The DVIA has represented entitlement holders for alluvial groundwater matters upstream of Keetah Bridge. To date, the department has held 6 consultation sessions to work through a number of matters, the outcomes of which are detailed in the table below.

The proposals outlined in the table below have been discussed in meetings between the DVIA stakeholder advisory group and the department and have been used to guide the outcomes in the draft Water Plan. Given the Water Plan is the Ministers Plan, changes to the proposals detailed below could occur between consultation and the draft Water Plan.

The draft Water Plan is anticipated to be released for public consultation around March/April 2018 (these dates are indicative only and are subject to the Ministers decision to release - so this may change). This is an important stage where entitlement holders and members of the community can provide further formal input on the proposed outcomes of the draft Border Moonie Water Plan.

Commencement of the Qld Border Rivers and Moonie Water Plan is expected on 1 July 2019.

	Issue Proposal Explanation
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	s.73 Irrelevant information
L	





		account limit will be equal to the volumetric limit of the water allocation.
Trading of Water Allocations	 Water trading will be implemented in the Border Rivers Alluvium Permanent and seasonal trade of water allocations will be assessed to make sure they do not have significant impact on the SWL of other entitlement holders. Zones will be established to help manage the movement of traded water and to prevent 'hotspots' or the accumulation of entitlements in an area. Groundwater will be able to be traded within the zones, subject to separation distances; and between zones depending on the rules and available space within the 'water envelope'. Envelopes will include permanent and seasonal trades. Points of extraction (bores) will be specifically identified as a geographic set of coordinates on the water allocation. An option for alternative assessment of impact assessment is also proposed. 	Extraction of groundwater does have an impact on neighbouring bores. Consequently there will be an assessment methodology used to assess points of impact on other entitlement holders. This is also consistent with the NSW approach in trade of water allocations. To accommodate the separation distance assessment, specific points will be placed on the water allocation. The points will be informed by the current entitlement bore locations. These locations will be used in the assessment to determine impacts to neighbouring entitlements. There will be an opportunity with the release of the draft Water Plan for an entitlement holder to further check the accuracy of these locations.
QLD trade zones and trade envelopes	Trade zones and the 'water envelopes' were discussed at the stakeholder meeting on the 3 August 17. The following zones and envelopes were proposed: Zone 1 and 2 boundary Commencement of the semiconfining layer Upstream the resource is unconfined (no deep or shallow) Zone 2 and 3 boundary Further confining of alluvium (showing more confined response) Alluvium narrows Proposed as option by DVIA	Zone 4 – No trade envelope due to entitlement holder concerns on current level of entitlement and performance of bores. Agreed trade envelope volumes were discussed at the stakeholder meeting on the 3 August 17 and adjusted to a suitable volume based on feedback.

DEPARTMENT OF NATURAL RESOURCES, MINES AND ENERGY
BORDER RIVERS ALLUVIUM SUMMARY OF PROPOSED CONSULTATION OUTCOMES UPDATED 1 FEBRUARY 2018

Zone 3 and 4 boundary

- Management decision zone three contains TWS
- Zone extent shows similar drawdown influences and effects
- Recognise existing sub-area boundary as a hydrological division
- Proposed as option by DVIA

Zone 4 and 5 boundary

- Management decision large existing entitlement in Zone 4
- DVIA recognise area as having noticeable neighbour pumping effects
- Split allows for future management options
- Model outcomes support boundary

Trade envelope proposed volumes

Zone 1 – 50% envelope (448 ML)

Zone 2 – 50% envelope (665 ML)

Zone 3 – 20% envelope (199 ML)

Zone 4 – 0% (0 ML)

Zone 5 – 50% envelope (685 ML)

s.73 Irrelevant information

Published on Rall Act 2009

Date: 21/08/2019 5:11:58 PM From: "CHAVASSE Jason" sd 46 (6) Personal information Subject : RE: DVIA report

Attachment: BRA WMP Information Sheet 21-8-19.pdf;image001.jpg;

sch4p4(6) Personal information

Hot off the press a refined copy of the discussion points from Texas.

Jason

Jason Chavasse Principal Project Manager Water Services, Toowoomba

softropat 6) Personal infoarmatio@brff.com.au> Sent: Wednesday, 21 August 2019 3:45 PM

To: CHAVASSE Jason Subject: DVIA report

Jason,

Can you send me a copy of your report that you read from at the Texas meeting

Thank you

sch4p4(6) Personal information **EXECUTIVE ASSISTANT**

BORDER RIVERS FOOD & FIBRE

Phone sch4p4(6) Personal information

07 46713888

Email / Skype admin@brff.com.au

@brff1 Twitter @brff4390 Facebook Website www.brff.com.au PO Box 507, Goondiwindi, QLD 4390

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20-308











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Border Rivers Alluvium (deep and shallow) Information Sheet

(Water Plan (Border Rivers and Moonie) 2019 and Water Management Protocol 2019) General Information

- Metering of all entitlements to take groundwater is required by December 2025
- Water licences in the deep alluvial resource have been converted to water allocations
- Enabling provisions for interstate trade of groundwater in the BRA (deep), once agreement and administrative arrangements have been finalised between the States.
- Note the Border Rivers Alluvium (BRA) Sustainable Diversion Limit (SDL) area encompasses:
 - o BRA (deep)
 - o BRA (shallow) also known as the Dumaresq River Alluvium
 - Macintyre River Alluvium
 - Macintyre Brook Alluvium
- The Water Management Protocol contains the operational rules and is abbreviated to WMP.

Water Sharing Rules (WMP section 140)

- Water allocations are located in specific zones (Zones 1 to 5);
- A water allocation (WA) can have a zone location without a GPS point/s however,
- Before water is allowed to be extracted under the water allocation, the WA must state a point of take (GPS co-ordinate) or multiple points of take.

Announced Allocation (WMP sections 141-144)

- All water allocations are subject to an announced allocation.
- For the purpose of 'Urban', the announced allocation is always 100%.
- Water allocations with a purpose of 'Any' will have an announced allocation for the start of every water year that:
 - Can't be reduced during the water year;
 - Will not be greater than 100% or less than 50%;
- Announced allocation is determined through two accounting mechanisms:
 - Sustainable Diversion Limit (over a rolling 10 year period); and
 - 'Share' of the resource with NSW (over a rolling 10 year period);
 - The lesser of the above announced allocations will be used;
- Meter readings are required at the end of March each year to enable a forecast and communication of announced allocation for the approaching water year.

Water allocation dealing rules (WMP sections 146-157)

Permitted dealings

- Change of purpose of the water allocation from Urban to Any;
- Subdivide the water allocation providing the characteristics are the same as previous;
- Replace a water bore within 10 metres of the previous bore;

Prohibited dealings

- Change of purpose from Any to Urban;
- Trade groundwater outside of the sub-area (e.g. Alluvium to Border Fractured Rock);
- Trade groundwater to another sub-unit (e.g. Deep to Shallow);
- Trade groundwater that would cause the maximum zone volume to be exceeded;

Release

Queensland Page 99 of 493 Government

20-308 File A

Assessed dealings

- Change the location from where water is to be taken under a water allocation and includes changes to the:
 - Zone (e.g. moving a water allocation from Zone 4 to 1);
 - Point of Take (e.g. drill another bore or add an existing bore not previously listed on the water allocation);
- Trade of a water allocation to amalgamate with another water allocation (e.g. purchase all or part of another water allocation and relocate to an existing property with a water allocation);
- In assessing the water allocation dealing the following two criteria must be assessed:
 - o will the additional volume of traded water fit within the maximum zone volume; and
 - whether the additional water or new location will have unacceptable impacts on neighbouring water allocation 'points of take', including those in NSW;

Seasonal Water Assignment (BRA deep) (WMP sections 158-159)

- Must only be for the remainder of the water year (1 July to 30 June); and
- Not be traded to another sub-area and/or sub-unit; and
- Not exceed the maximum zone volumes; and
- Not be for a volume greater than that remaining for the allocation being seasonally assigned;
 and
- Be approved if less than 100 ML; and
- Be approved if the total volume is less than 200 ML in any consecutive 3 year period; or
- Assessed whether the additional groundwater will have unacceptable impacts on neighbouring water allocation (points of take), including those in NSW.

Seasonal Water Assignment (BRA shallow) (WMP section 163-164)

- Must only be for the remainder of the water year (1 July to 30 June); and
- Not be traded to another sub-area and/or sub-unit; and
- Not be for a volume greater than that remaining for the water licence being seasonally assigned; and
- Not exceed the permitted maximum of 100 ML; and
- Are not restricted to zones i.e. traded across the entire BRA (shallow).

Impact Assessment Criteria (WMP sections 165-168)

- Provides the assessment tool to manage point to point impacts (QLD and NSW);
- Uses the Theis equation to perform the assessment;
- The parameters and values used in the assessment are tabled in the WMP;
- Assesses the impacts of the cumulative take of water under a water allocation on other 'points of take' listed on a water allocation.

Please note – this information sheet is designed to provide a general overview of the rules relating to the QLD Border Rivers Alluvium. For the actual provisions and rules please reference the *Water Plan* (Border Rivers and Moonie) 2019 and Border Rivers and Moonie Water Management Protocol 2019.

https://www.business.qld.gov.au/industries/mining-energy-water/water/catchments-planning/water-plan-areas/border-rivers-moonie

Date: 30/08/2018 6:03:16 PM From: "CHAVASSE Jason" scf@o4(6) Personal information

Subject: RE: Groundwater trade assessment process

sch4p4(36) Personal information

Jason Chavasse A/ Manager Water Services Toowoomba

From:

sch4p4(6) Personal information

Sent: Friday, 24 August 2018 12:43 PM

To: CHAVASSE Jason < Jason.Chavasse@dnrme.qld.gov.au > **Subject:** Fwd: Groundwater trade assessment process

FYI

sch4p4(6) Personal information

From:

sch4p4(6) Personal information

Sent: Friday, August 24, 2018 9:00:13 AM

Subject: Groundwater trade assessment process

sch Figure 6) Personal information@brff.com.au>
Sent: Friday, 24 August 2018 7:43 AM

Subject: Groundwater trade assessment process

Hello all,

Please see response from Sue Hamilson4pa(6) Personal infequention

sch4p4(6) Personal information on the NSW groundwater assessment process for applications for new production bores and groundwater trades in lieu of the info sheet being prepared for the Water Resource Plan consultation that is not yet available for public distribution. Below is an overview of our process. DoIW is able to present this to groundwater licence holders in more detail enabling discussion on specific issues during the consultation process.

NSW undertakes an individual assessment for each application and the detail of this assessment is linked to the perceived level of risk from the change in groundwater pumping that could result. For example the temporary trade of groundwater allocation is considered a lower risk than the permanent trade of groundwater shares. Consequently the level of assessment for a permanent trade is more detailed.

The assessment considers impacts on

- high priority groundwater dependent ecosystems (listed in the WSP),
- nearby surface water sources,
- neighbouring water supply bores (including stock, domestic and other production bores) and
- the groundwater source itself.

For the groundwater sources of the Border Rivers alluvium the drawdown impact assessment criteria is the same for all applications but the time frame over which the impact is assessed varies. For example, a temporary trade assessment compares the criteria against the predicted impact after one irrigation season however for a permanent trade, or application for a new bore, the assessment criteria is compared to the predicted impact after 10 years.

For permanent trades or applications for new production bores, the cumulative impact of all authorised extraction in the vicinity of the application is considered and this cumulative test is applied to all production bores in the area. However for temporary trades a much simpler assessment is undertaken and only the cumulative pumping associated with the applicants bore is included in the assessment.

As a result of the assessment, conditions may be placed on one or more of the applicants bores to limit the volume of water that can be pumped to ensure the impacts are being managed to acceptable levels. Given the debundling of the water from the land in NSW, the volume of the trade is not generally restricted however conditions on the nominated works approvals may be applied to mitigate against unacceptable impacts.

All assessments are undertaken for the specific application and the conditions of the groundwater system in that vicinity. Therefore conditions that place bore extraction limits on bores in areas where there is already significant pumping pressures may be more restrictive than apparently similar areas where there is little groundwater extraction.

Trading is permitted within each of the four groundwater sources of the NSW Border Rivers alluvium but not between these groundwater sources.

I hope this info is sufficient to aid discussions at your meeting tomorrow.

regards

Sue

Sue Hamilton | Principal Hydrogeologist

Water Assessments

Department of Industry | Lands & Water

209 Cobra St | PO Box 717 | Dubbo NSW 2830

T: +61 2 6841 7421 | F: +61 2 6884 0006 4 04 (6) Personal information

E: sue.hamilton@industry.nsw.gov.au

W: www.industry.nsw.gov.au/water

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Date: 28/05/2018 4:29:38 PM From: "CHAVASSE Jason" s**Fo**4p4(6) Personal information

Cc: "BROWNHALLS Peter",

, "HAUSLER Paul" , "PYMBLEWARD Coby" sch4p4(6) Personal information

Subject : RE: Groundwater

Attachment: Drawdown Impact Scenarios BRA 28-5-18.docx;

sch4p4(6) Personal information

I have put together some of the information requested below, primarily at this stage to provide some information on points 1,2,3,4 (see attached document).

As for point 5 – I should have a map of entitlement locations to you tomorrow for reference points, it will not have the impact circles on it as it would be hard to see anything – but the map does have a scale at which you can measure off the relevant distance for each scenario in the table to suit your requirements.

Point 6 – as for cumulative impact, we are looking at various options with a view to discussing with you in the near future.

Point 7 – our methodology for dealing with hotspots is management of use and trade through the proposed zones in the current draft Water Plan. The number of zones and their effect (immediate or future) is dependent on the departments resource management policy and informed by draft water plan submission feedback.

Point 8 – this seems like a reasonable proposition (given low volume trade separation distances) but we would need to have feedback through the submission process.

As discussed, it is most critical that you make a submission on the draft Water Plan and other documents highlighting your areas of concern (i.e. like the list below) rather than trying to have everything resolved.

We will likely meet with you again after the close of submissions to work through the proposals once they have been received, analysed and DNIN Disch options developed.

If you have any questions please give me a call.

Kind regards Jason

Jason Chavasse Principal Project Manager Water Services - Groundwater Toowoomba

From: CHAVASSE Jason

Sent: Monday, 21 May 2018 11:29 AM

sch4p4(6) Personal information

Cc: BROWNHALLS Peter < Peter. Brownhalls@dnrme.qld.gov.au>; girraweenfarm@bigpond.com

Subject: RE: Groundwater

sch4b4(6) Personal information Thanks for the email.

> Unfortunately, we will not be in a position to meet again with the DVIA and irrigators prior to the close of submissions on 1 June 2018 however, we will work towards getting some revised information to you via email prior to this date.

It is important that even if we do send you some revisions (based on the options below) that you put the information below into a submission to ensure that it is appropriately considered in the formal submission process.

Please give me a call if you have any questions.

Kind regards

Jason

Jason Chavasse Principal Project Manager Water Services - Groundwater Toowoomba

From:

sch4p4(6) Personal information

Sent: Sunday, 20 May 2018 9:17 AM

To: CHAVASSE Jason < <u>Jason.Chavasse@dnrme.qld.gov.au</u>>

Cc: BROWNHALLS Peter <Peter.Brownhalls@dnrme.qld.gov.au>; girraweenfarm@bigpond.com

Subject: FW: Groundwater

Gentlemen, 20-308

File A Page 103 of 493 Prior to our next meeting we ask QDNRME to provide some more information to DVIA on the potential 3rd Party Impact Assessment process with the approach considered you allow for one zone. The response is to be circulated via email before the meeting.

- 1. We need a range of scenarios to be modelled and presented back to us to give a better idea of how the process will work and potential outcomes for different parameters.
- 2. Rate of take to reflect seasonal concentration of extraction, average rate over 6 months (180 days) instead of 12.
- 3. Drawdown impacts range of 2m, 2.5m and 3m.
- 4. Size of traded parcels 100ML 250ML and 500ML
- 5. The NSW bores need to be included in the reference Map.
- 6. We need to understand how the cumulative impact could be assessed. Effect of combined volume being assessed as opposed to only the trade volume.
- 7. Also, we need to know how QDNRME would manage 'hot spots' in the Impact Assessment process. Is it possible to utilise different parameters for different areas? Can you use the hot spot identification you showed in the slides at the beginning of your presentation on the 16th May?
- 8. Is it possible for the period of this plan to have one off temporary trades of less than 50ML to be exempt of impact assessment to facilitate fast approval?

Published on RTI Inct 2009 ch4p4(6) Personal inforthationer to circulate so reply to him please. I will be away.

Thanks

sch4p4(6) Personal information

Secretary

Dumaresq Valley Irrigators Association

SCR4p4(6) Personal information

Drawdown Impact Scenarios - Border Rivers Alluvium (deep)

Parameter values used -	DVIA proposals
Transmissivity = 200m ² /d	Volumes - 100, 250, 500 ML
Storativity = 0.001	Drawdown thresholds - 2 metres; 2.5 metres; 3 metres
	Pump Rate - 180 days
	103

Trade volumes	100ML		250ML		500ML	
Pump duration	180 days	365 days*	180 days	365 days*	180 days	365 days*
Drawdown trigger threshold (metres)		Ula.	XV			
2.0 metres	100m	5m	1480m	1200m	3800m	6500m
2.5 metres	30m	0m	950m	400m	3000m	4100m
3.0 metres	10m	0m	600m	160m	2400m	2580m

^{*} As per the current draft Water Plan proposal and as presented at meeting in Texas on 16/5/18 (constant pump rate of 365 days per year for a period of 10 years)

The outputs of this table are the minimum separation distance (metres) that an extraction bore must be to its nearest volumetric entitlement (excluding extraction bores listed on the same entitlement).

Date: 15/02/2018 5:47:19 PM From: "CHAVASSE Jason"

To: "HAUSLER Paul", "PYMBLEWARD Coby" Subject: Separation distance calculation formula Attachment: image001.png;image002.png;

Hi Paul and Coby

After speaking with Michael J on the separation distance formula, we should use the Theis equations in the Border Rivers drawdown estimation to ensure we adequately assess the drawdown and do not underestimate impacts based on the fact that the Cooper Jacob is an estimation of Theis – that is it works for a range of values but outside of that can result in significant over and under estimations. The same parameters can remain for input to the formula.

For greater than 1000ML error starts to creep in whereby drawdown is greater than 3m (Not particularly significant but the fact that if someone really wanted to test our methodology – could happen BRA – we could be pulled up on the fact that the formula is not appropriate). It may not be likely to occur with total volumes above 1000ML but our trade envelopes certainly allow for it to occur. I think safer to use Theis and additionally there are plenty of online spreadsheets and programs that do the calculations – making life easier for us and for clients if they want to work out separations distances.

So there are a couple of questions we need to look at:

- Do you want to put the formula in the WMP can use GAB Gen 1, explanatory notes example.
- Alternatively we don't necessarily need the formula in there just state the Theis equation is used to calculate drawdown
- Perhaps we should use this in both CB and Border.

102 Calculating of minimum separation distance

(1) For each groundwater sub-area the minimum separation distance must be calculated for each point of take stated on the water allocation or point of take condition on the water licence using the Theis equation.

Cheers

J



Jason Chavasse

Principal Project Manager

Water Services I Service Delivery I South Region Department of Natural Resources, Mines and Energy

P 07 452014331 6) Personal information 203 Tor Street, Toowoomba Qld 4350 PO Box 318, Toowoomba Qld 4350 Email: jason.chavasse@dnrme.gld.gov.au

re loo

Draft Border Rivers and Moonie Water Plan

Border Rivers Alluvium sub-area

March 2018



File A

Why is the plan being replaced?

Limited resource availability

Competing interests & demands

Future expansion & demands

Climate change

User certainty and equity

Water trade demand Improved knowledge & methods

Murray
Darling
Basin Plan

Groundwater management in the BRA

2004	Water Plan (Border Rivers) 2003
2008	Resource Operations Plan
2009	BRA Groundwater Management Area water sharing rules and seasonal water assignment rules
2013	Water plan expiry postponed to June 2019
2013	Amendment of BRAGMA- water sharing rules and seasonal water assignment rules
2014	Water plan amendment to include groundwater management
2016	Statement of proposals - water plan review commenced
2018	Draft water plan, management protocol (WMP) & entitlement notice (WEN)- Now
2019	Final water plan accredited by C'wlth

Groundwater Management Area

Water Plan (Border Rivers) 2003

Main changes for Border Rivers

Draft Water Plan (Border Rivers and Moonie)



Groundwater units in the groundwater management area (GMA)

☐ Sediments above the Great Artesian Basin	Sediments above the Great Artesian Basin
--	--

- Border Rivers Alluvium
 Border Rivers Alluvium
- □ Border Rivers Fractured Rock
 □ Border Rivers Fractured Rock (shallow)
 - Border Rivers Fractured Rock (deep)
 - Queensland Murray-Darling Basin (deep)
 - ☐ St George Alluvium (shallow) Moonie
 - ☐ St George Alluvium (deep) Moonie

Extension (Granite Belt sub-area) and splitting of Border Rivers Fractured Rock unit

Inclusion of the Queensland Murray-Darling Basin (deep) – also part of Moonie

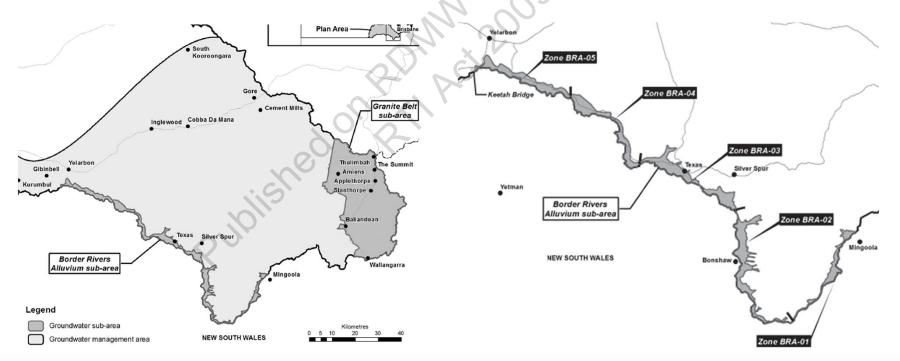
Department of Natural Resources and Mines

Groundwater Management Area

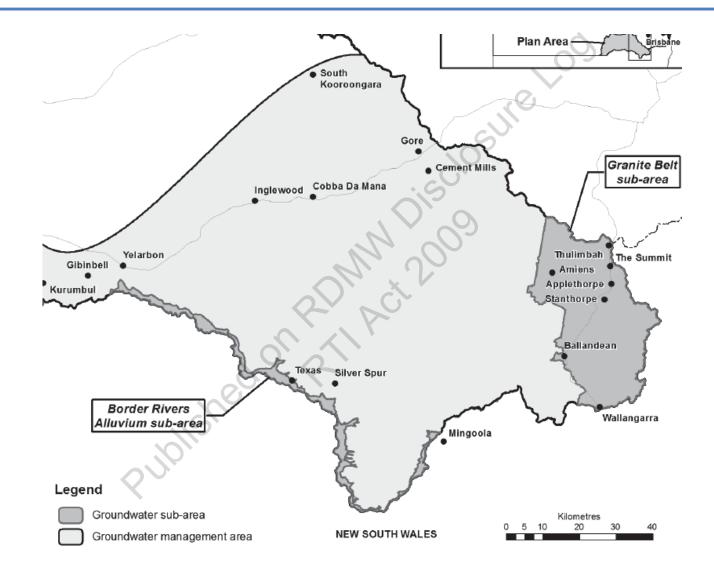
Draft Water Plan (Border Rivers and Moonie)

Other main changes

- Establishing two groundwater sub-areas:
 - ✓ Border Rivers Alluvium sub-area
 - ✓ Granite Belt sub-area
- Establishing groundwater zones in the Border Rivers Alluvium (BRA)

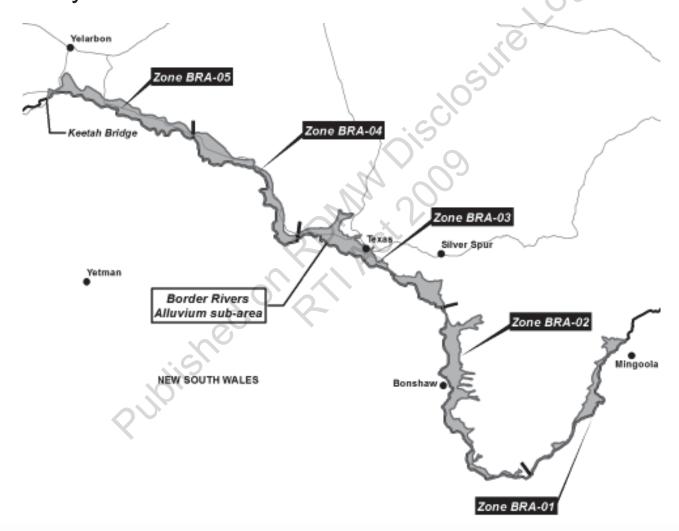


Groundwater sub-areas



Groundwater Zones

Only in the Border Rivers Alluvium sub-area



Revised Water Plan

Ensures the groundwater access for current users is:

- > not diminished in the future
- > not damaging for the environment and future generation
- consistent with C'wth water law for Murray Darling Basin 'sustainable diversion limits' (SDL)
- consistent with water sharing agreements with New South Wales (under the NSW– Qld Border Rivers
 Intergovernmental Agreement 2008)



Resource sustainability is about continuous use for the benefit of all users, not protection from use

Revised Water Plan

Main changes

- Conversion of water licences to water allocations in the BRA step towards water sharing with NSW in the future
- Managing take within SDLs set under the Basin Plan
- New (multi-year) water accounting
- New trading opportunities



New plan addresses both State and C'wth water law

Basin Plan requirements

- No growth in water take
- Manage take within SDLs limits on average annual abstraction volumes set for each resource unit (aquifer)

SDL resource unit within the plan area	Now, GL/yr	SDL, GL/yr	Reduction, GL/yr
Sediments above the Great Artesian Basin: Border Rivers	0.04	14.4	No
Queensland Border Rivers Fractured Rock	10.1	10.5	No
Queensland Border Rivers Alluvium		14.0	No
St George Alluvium: Moonie		0.69	No
Sediments above the Great Artesian Basin: Moonie		32.5	No

No need to recover groundwater to meet SDL across plan area

What consultation have we done to date?

- □ Statement of proposals (SoP) released in July 2016
 - 16 submissions received and considered in developing the drafts
 - ✓ Main areas of concern:
 - water trading
 - separate management of deep and shallow resources
- Extensive consultation with:
 - ✓ water users, peak bodies and conservation groups
 - 12 public information sessions in June 2016 July 2017
 - external technical experts
 - other government departments (DSITI & EHP) to ensure the best available information, data and methods are used in developing the drafts

How your interests are considered



Issues raised in submissions on draft water plan, water management protocol (WMP) and water entitlement notice (WEN) are considered in preparing final water plan, WMP and WEN.



Management of groundwater in the Border Rivers Alluvium (deep) sub-unit

Draft Border Rivers and Moonie Water Plan

March 2018

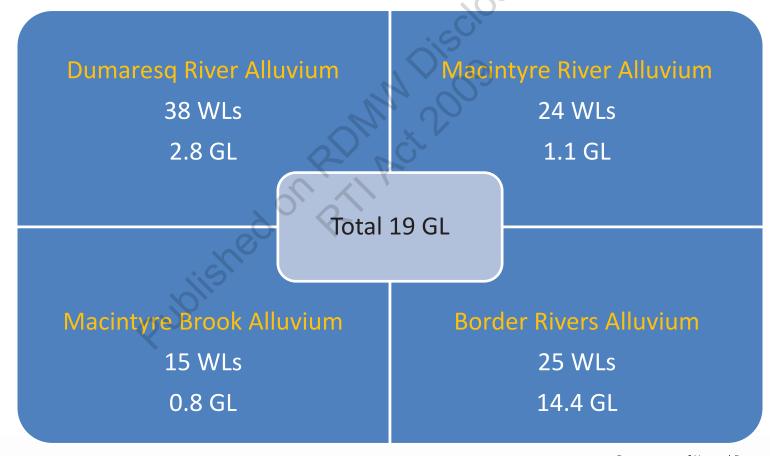


Topics for Discussion

- Conversion of Water Licenses to Water Allocations
 - ✓ Entitlements affected will my WL be converted to WA?
 - ✓ Water allocation specification where did my nominal volume (NV) come from?
- Water sharing rules
 - ✓ to maintain SDL
 - ✓ to protect access to resource
- Multi-year accounting
- New trading opportunities permanent and seasonal
 - ✓ Trade zones
 - ✓ Trade envelopes
 - ✓ Impact assessment

Water entitlements in the BRA subarea

- Shallow aquifers- Dumaresq River, Macintyre River, Macintyre Brook alluviums
- ➤ Deep aquifers Border Rivers Alluvium



Conversion of Water Licenses to Water Allocations

- Only 25 water licences in the Border Rivers Alluvium (deep) will be converted
- Water licences excluded from the process:
 - √ for <u>stock and domestic purposes</u>
 - ✓ with a <u>nominal entitlement of 0 ML</u>

Conversion of Water Licenses to Water Allocations

- Water licence (WL) 'bundled water right' tied to land
 - ✓ can be transferred (bought and sold) through sale of land
 - ✓ may be transferred to other <u>land holders</u> within particular areas, subject to WL dealing rules in the WMP
- Water allocation (WA) 'unbundle water right' separated from the ownership of land (separate title to land)
 - ✓ can be freely traded to <u>any</u> other user (no requirement for owing land), subject to WA dealing rules in the WMP

Dealing rules (also known as <u>trading rules</u>):

- Change of location permanent transfer/trade
- Seasonal water assignment (SWA) temporary trade

Benefits of water trade

- ☐ Redistribute usage based on individual needs
- □ Provide easy access to additional water without the need to overuse the resource below sustainable level
- ☐ Provide opportunity to sell/lend surplus water as needed, without selling the land (extra income opportunity)



Licence conversion to enable trading

	Water licence	Water allocation
Term	Set expiry date Expire in 2111	Enduring Don't expire Can't be resumed/repealed/diminished
3	R P P	without compensation (land resumptions)
Sp	Nominal entitlement & conditions Annual volume is the nominal 	Volumetric limit, share characteristics & conditions
pecs	entitlement	 Annual volume is the volumetric limit Nominal volume represents its share of a resource within a plan area

	Water licence	Water allocation
Asset	Wet/dry block➤ Water changes/changes the value of land.	 Encumbered asset The asset listed in the Water Allocation Register (WAR) similar to the Land Titles Registrar. Can be mortgaged and leased, with interests and encumbrances being recorded in the WAR.
Security	Management rules Represents an authorisation to take a volume but do not represent likelihood of access beyond that available at the time of issue or implied by management rules.	 Legislated security objectives ✓ Underpinned by water allocation security objectives (WASO) that: ✓ legally binding ✓ set benchmark access levels ✓ ensure management decisions do not diminish access

	Water licence	Water allocation
Trade	 Transfers/relocations Can be transferred (bought and sold) through sale of land May be temporarily traded to other land holders, subject to relocation (trade) rules under water management protocol 	Fully tradable (freedom of movement) As a separate title to land, can be freely traded to other users Subject to change of location rules under water management protocol - can be prohibited, permitted or assessed (for the impacts) Zone location limits trade in order to protect other users, and established based on: ✓ similarities in hydrological characteristics ✓ level of connectivity between locations of water take and groundwater resources ✓ water usage patterns ✓ potential for local-scale impacts with intense groundwater take

Release

Attributes of water allocations

File A

Search Date: 01/03/2016 10:56 Title Reference: 46010451

Date Created: 15/12/2008

Creating Dealing: 712107104

DESCRIPTION OF ALLOCATION

Allocation Type: WATER ALLOCATION - NO RESOURCE OPERATIONS LICENCE

Allocation No: CROWN PLAN AP7585

Resource Operations Plan: CONDAMINE AND BALONNE RESOURCE OPERATIONS PLAN

Location: UPPER CONDAMINE ZONE UCU-07

(AMTD - 966.0 KM)

Water Management Area: UPPER CONDAMINE WATER MANAGEMENT AREA

Nominal Volume: 775.000 Megalitres

Water Allocation Group: CLASS CN2

Volumetric Limits:

Purpose:

Maximum Rate: MEGALITRES PER DAY

Flow Conditions:

Taking of water in accordance with the flow conditions on

this water allocation must be by announcement.

3024 megalitres per day passing flow at Yarramalong Weir or

Lemon Tree Weir.

Other Conditions:

THE TAKE OF WATER UNDER THE AUTHORITY OF THIS ALLOCATION IS LIMITED BY ASSOCIATED STORAGE WORKS REFERENCE 26383, 26384 THAT EXIST IN THE AREA SHOWN ON ADMINISTRATIVE PLAN 18722. WATER TAKEN UNDER THE AUTHORITY OF THIS ALLOCATION IS STORED CONJUNCTIVELY IN THE ASSOCIATED STORAGE WITH OVERLAND FLOW

WATER TAKEN UNDER AN AUTHORITY.

REGISTERED ALLOCATION HOLDER

Location – zone and point of water take

Volumetric limit (VL) -

- represents the maximum permitted take in a water year - an annual cap
- equal to the nominal entitlement on the converting licence.

The difference between VL and actual access depends on yield, performance at the point and management rules (water sharing, yearly announcements).

Nominal volume (NV) -

represents the share of available (to a water allocation group) resource

In combination with WASOs, provides security of water access under WA

20-308

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Attributes of water allocations

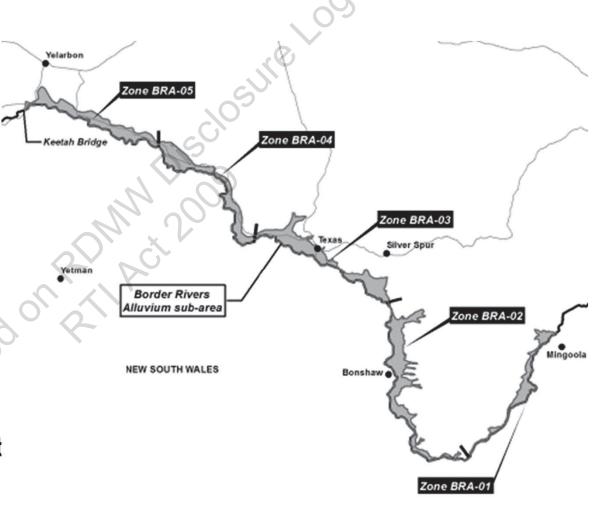
Where did my NV come from?

- Historical water use data for all WA holders in a water allocation group (WAG)
- Historical water table trends resource available to a WAG

Types of trade provided in your area

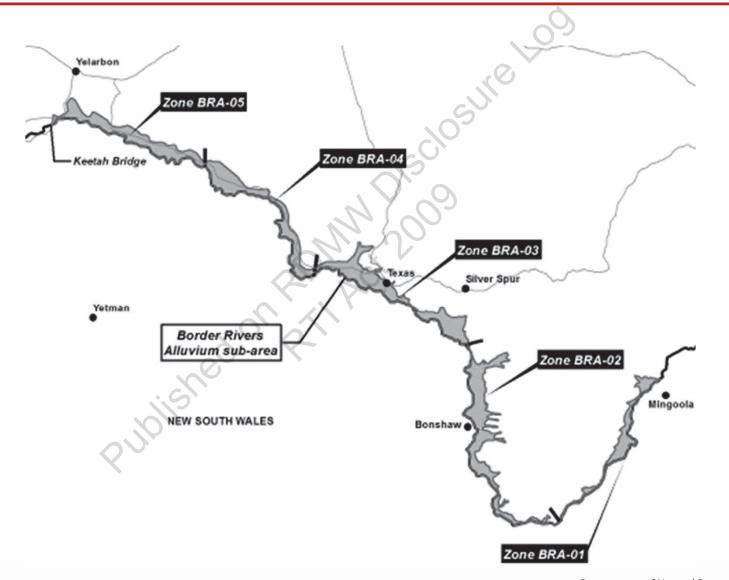
Permanent and temporary trades (SWA) will be provided:

- within and between zones of the BRA
- subject to
 - volumetric envelopes (zone volumes) and
 - ✓ impact assessment



20-308

Groundwater zones



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Department of Natural Resources and Mines

Trading arrangements

□ Trade zones – areas with similar local aquifer characteristics (e.g. yield, hydraulic connectivity) and water use patterns to prevent negative impacts on other water users

Hydraulic connectivity - the rate at which groundwater moves:

- ✓ within an aquifer
- ✓ between aquifers and the adjacent or overlying surface water
- Volumetric envelopes limits on trading into a zone
- Impact assessment to protect security of other users by ensuring the impacts are within acceptable drawdown level

Entitlement profile

Published on Path Act 2009

Impact assessment rules

Application for an assessed water allocation dealing

- The department must conduct an assessment to identify impacts of:
 - ✓ change of location (relocation/permanent trade)
 - seasonal water assignment
 - amalgamation
- ☐ The application will be rejected if the potential drawdown impact on any other registered point of take is greater than 3 m

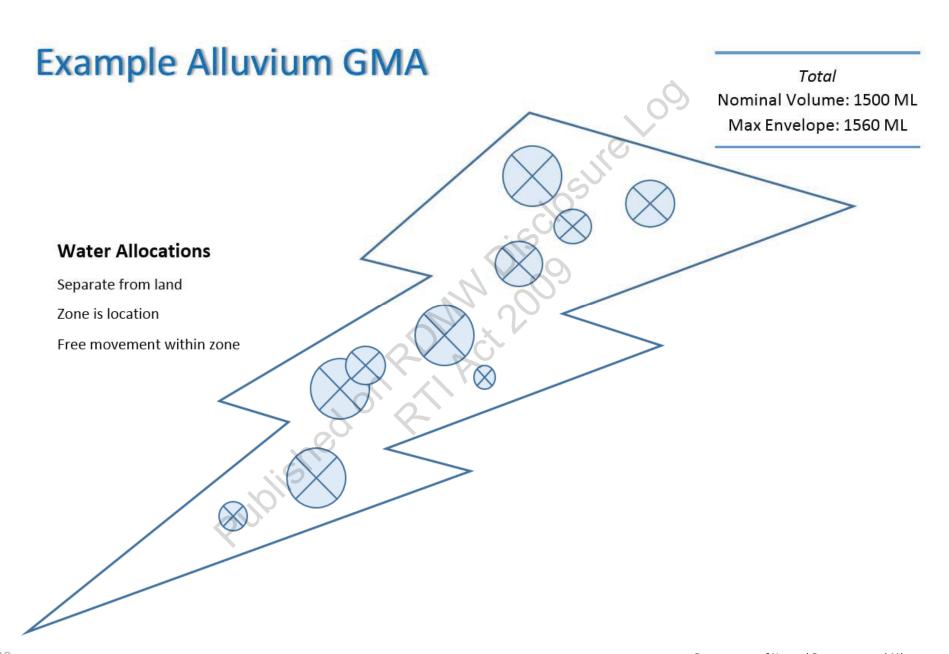
Impact assessment rules

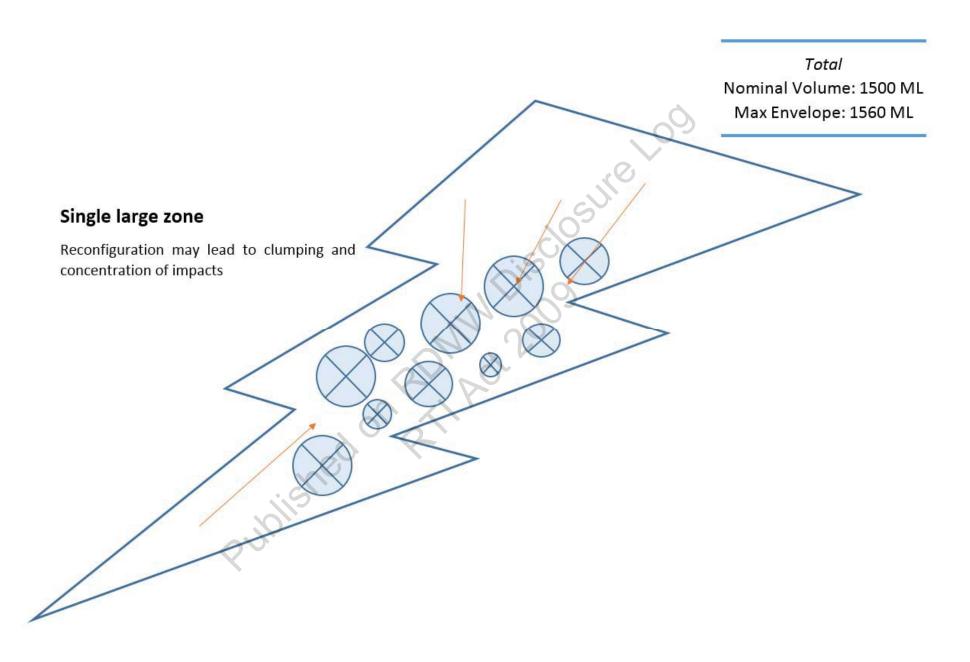
The potential drawback will be determined based on:

- daily pumping rate based on
 - for WA in BRM01 volumetric limit
 - for WA in BRN03 nominal volume
 - for SWA maximum volume to be taken
- distance between the points of take (proposed and the nearest other registered point)

Assuming:

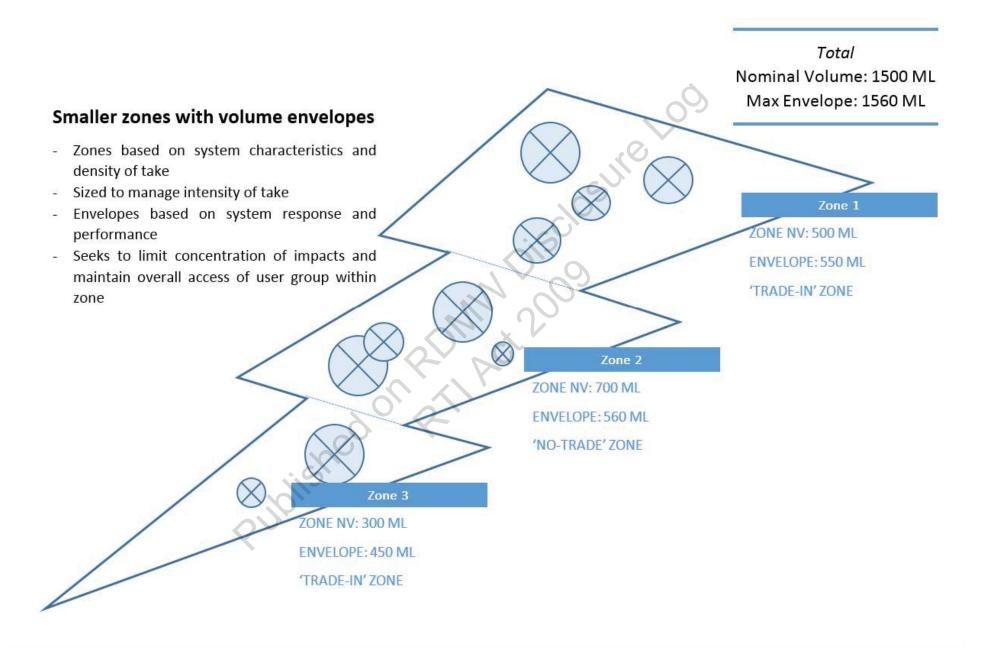
- pumping duration 3650 days
- aquifer storage coefficient 0.001
- aquifer transmissivity 200 m²/day.



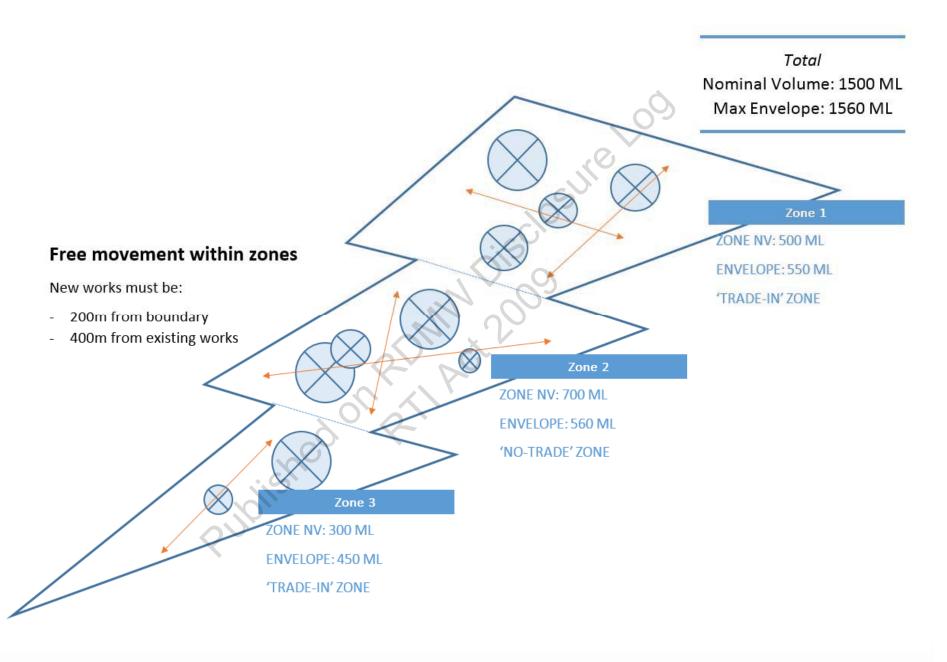


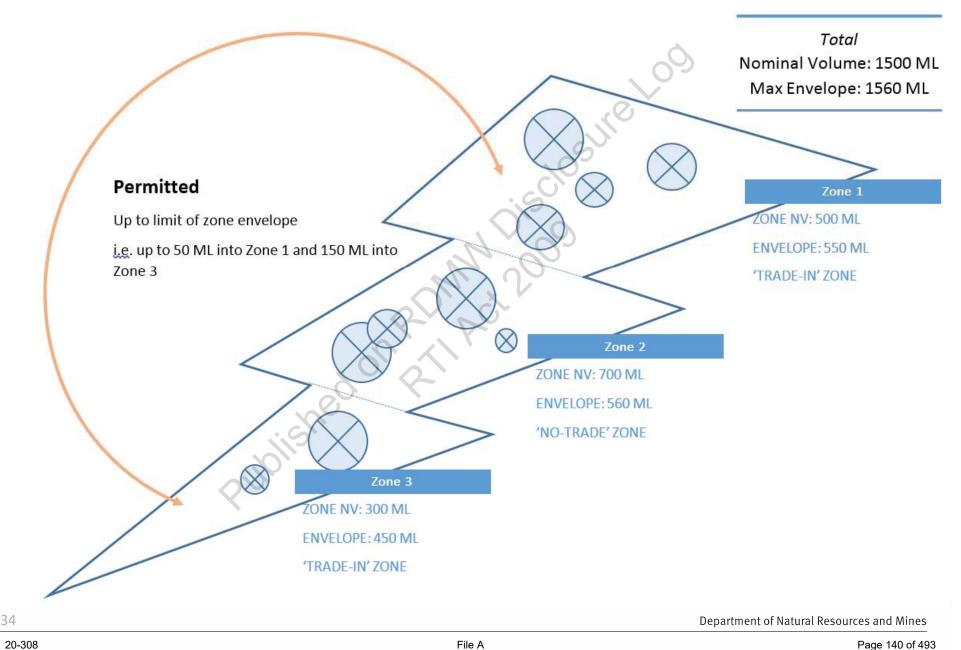
File A

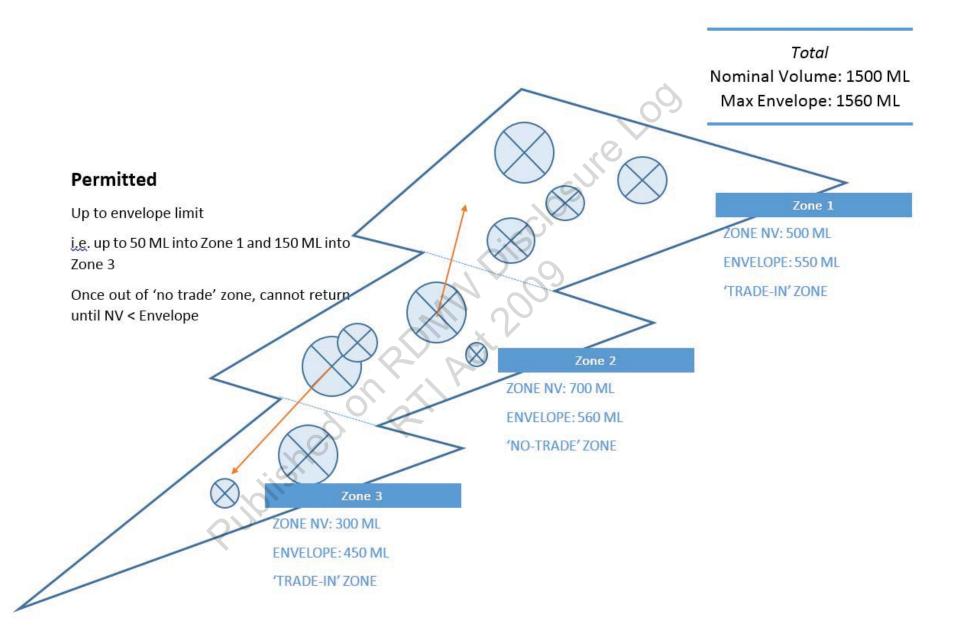
20-308



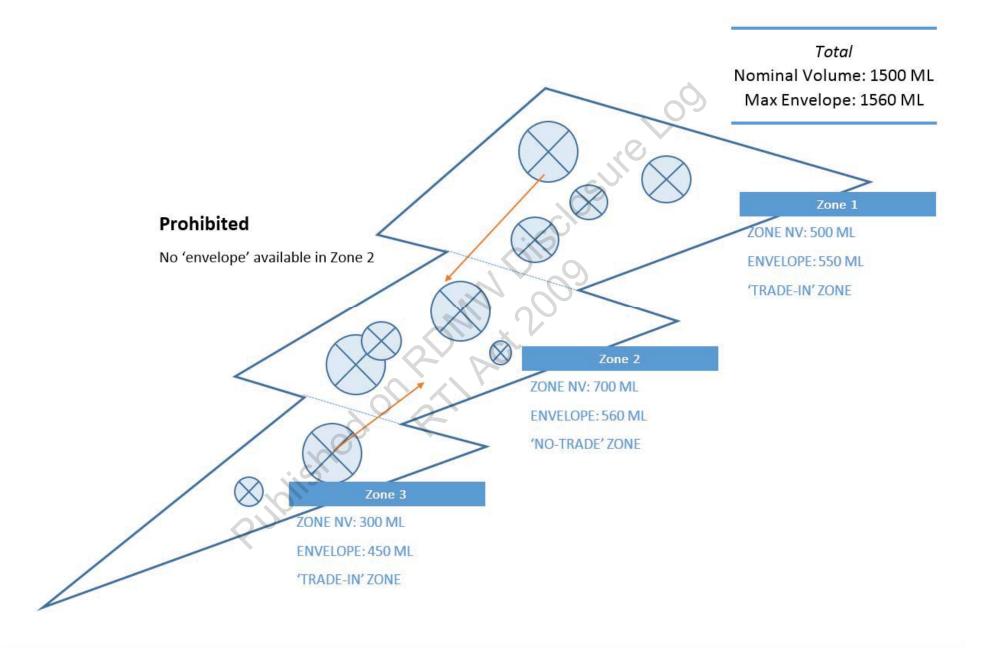
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Release



Water Sharing Rules (WSR)

Announced allocation rules

Purpose:

- Maintain SDL
- Protect access to resource
- Ensure consistency with the agreed share of the resource between Queensland and New South Wales

Announced Allocation

- Defines the amount of water available to be taken under a water allocation in a water year.
- Fixed for water allocations with:
 - ✓ a purpose of Urban 100%
 - ✓ a water allocation group of **BRM03** 53%



Announced Allocation

- For WAs with a water allocation group of BRM02
 - ✓ can change between 0 100%
 - ✓ will be set at the beginning of the water year based on the:
 - > SDL volume (fixed under Basin Plan)
 - allocated volume/sum of nominal volumes (fixed)
 - > water usage over the last 10 years under all entitlements
 - ➤ agreed share of the resource between New South Wales and Queensland equal to 8085.3 ML/year less total volume for:
 - water allocations in water allocation group BRM03 (fixed)
 - water allocations in water allocation group BRM01 (urban)
 - assumed stock and domestic authorisation

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Announced Allocation

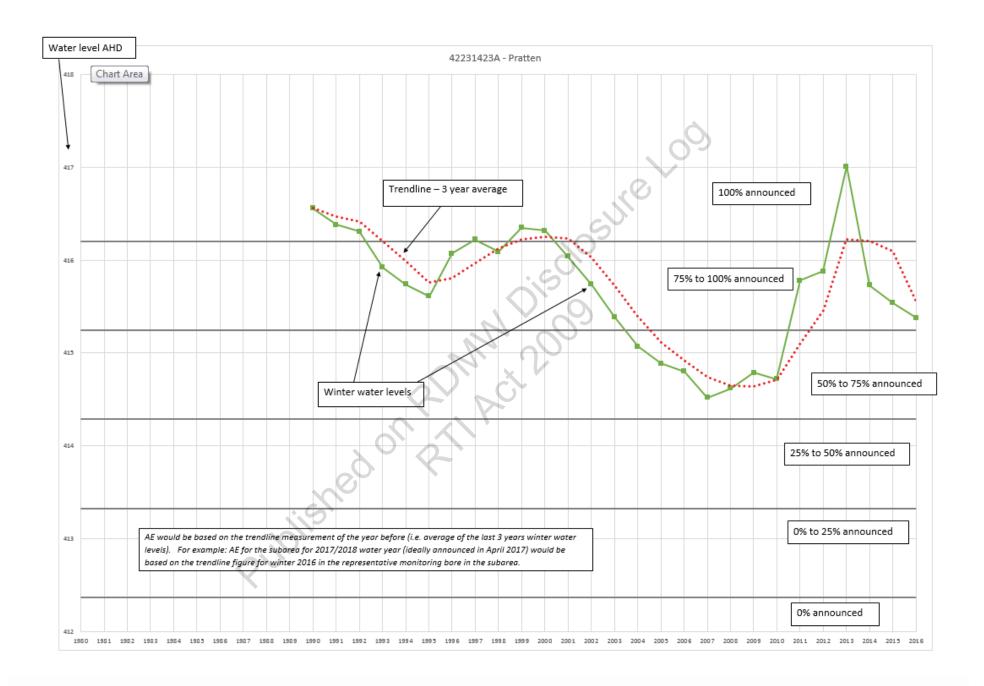
Step 1 – Set triggers

- □ Select a groundwater level to represent the subarea / zonal aquifer condition
- Map

Step 2 – Set Limits

- Upper limit
- Reserve limit
- Intermediate access levels
- Water level plots

40



THANKS



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Queensland draft Border Rivers Water Plan Consultation – Border Rivers Alluvium

Summary of proposed policy outcomes

Messaging

Since the release of the Statement of Proposals for the Queensland Border Rivers Water Plan review in July 2016, the Queensland Department of Natural Resources, Mines and Energy has engaged with the Dumaresq Valley Irrigators Association (DVIA). The DVIA has represented entitlement holders for alluvial groundwater matters upstream of Keetah Bridge. To date, the department has held at least 8 consultation sessions to work through a number of matters.

The recommended proposals outlined in the table below have been discussed in many previous consultation meetings between the DVIA stakeholder advisory group and the department and have been amended as necessary on consideration of draft water plan submissions.

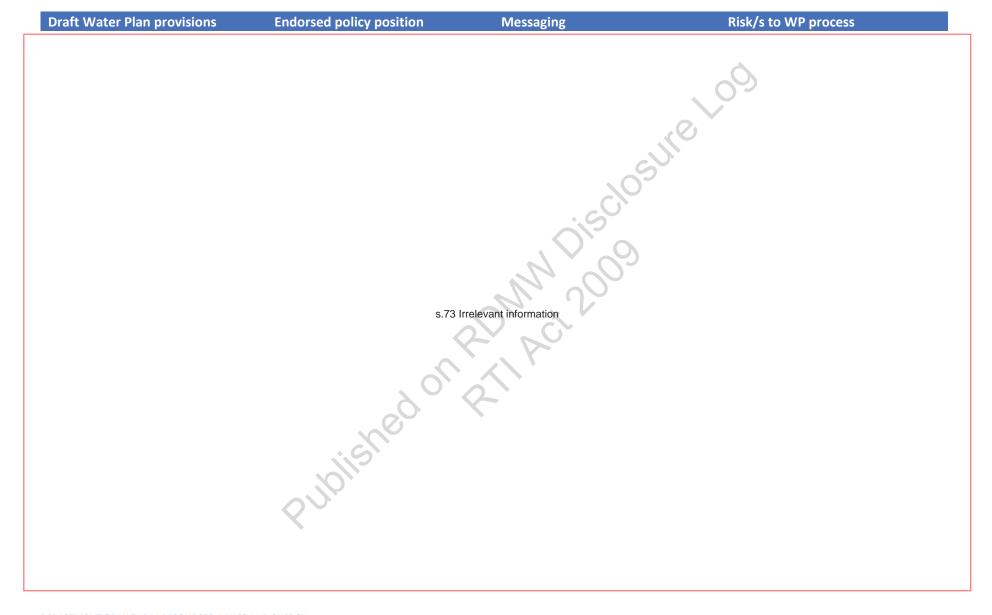
It is important to be aware that the draft Border Rivers Moonie Water Plan is the Ministers draft Water Plan and it will not be final until the Minister signs approves the Water Plan.

There is an existing expectation that the department will return to finalise the consultation. Not following through with this ongoing commitment to engage is likely to be viewed by stakeholders that the department has something to hide between draft and final water plans.

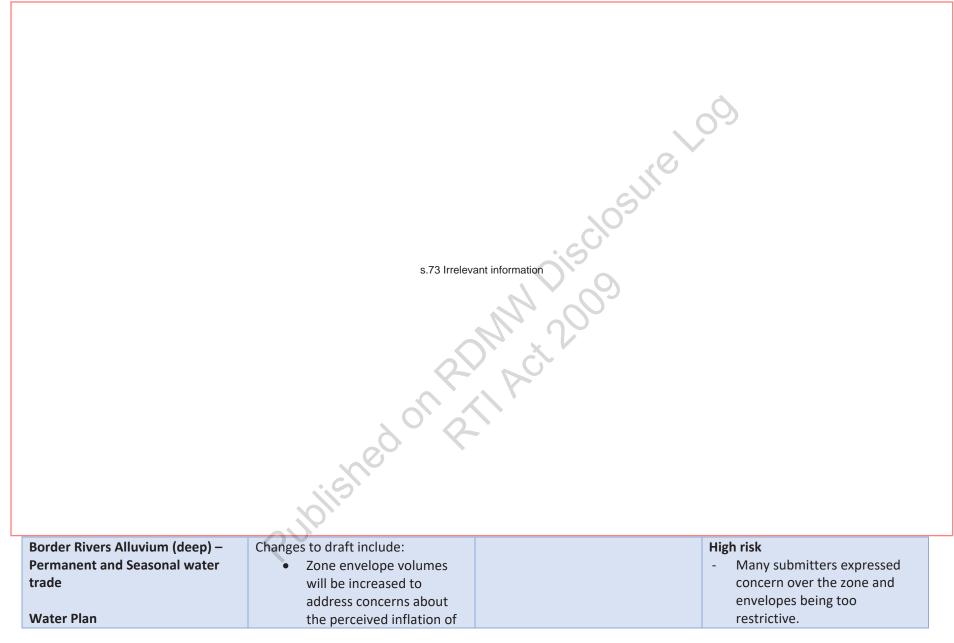
Undertaking further consultation could pose a risk (to process and timeframes) from certain individuals who are opposed to the changes as an opportunity to re-litigate the water plan provisions or make further representations on the matter that their submissions have not been appropriately considered

| Sch4p4(6) Personal information

However, there is an equal if not larger risk relating to ongoing relationships with stakeholders and potential for the DVIA to make representations to the Minister that the department has not adequately consulted, considered their submissions or closed the consultation loop.



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DEPARTMENT OF NATURAL RESOURCES, MINES AND ENERGY BORDER RIVERS ALLUVIUM

- section 15
- schedule 6

Water Management Protocol

- Dealing Rules
 - Section 134-148
- Impact Assessment
 - Chapter 11
- 1. Zones
- 2. Trade envelopes
- 3. Impact assessment

Water trading will be implemented in the Border Rivers Alluvium

Permanent and seasonal trade of water allocations will be third party impact assessed to make sure they do not have significant impact on the SWL of other entitlement holders.

Zones (5) will be established to help manage the movement of traded water and to prevent 'hotspots' or the accumulation of entitlements in an area.

Groundwater will be able to be traded within the zones, subject to separation distances; and between zones depending on the rules and available space within the 'water envelope'.

- water asset values and to allow for readjustment of entitlement.
- Zone envelop volumes are no longer conservatively performance based.
- Consideration of approved points of extraction over the whole BRA (deep) – includes NSW.
- Impact threshold will be consistent with NSW – will be either 5-10% of available head or maximum 3m drawdown.
- Assessment of impacts over 180 day pumping season rather than 10 year period.
- SWA rule change to allow for up to a 100ML assignment without impact assessment.
 Greater than 100ML will require impact assessment.

- sch4p4(6) Personal information have requested representations to the Minister and department opposing trade.

 General support for trade of
 - General support for trade of water allocations providing there is stringent third party impact protections in place and consistency with NSW.
- Risk of not consulting may have an equally concerning outcome for departmental relationships and DVIA approaching Minister on lack of completed consultation.

DEPARTMENT OF NATURAL RESOURCES, MINES AND ENERGY BORDER RIVERS ALLUVIUM

Tisclosure L

Envelopes will include permanent and seasonal trades. Points of extraction (bores) will be specifically identified as a geographic set of coordinates on the water allocation.			50
Interstate trade between QLD and NSW. Water Plan - Section 89 Water Management Protocol - Section 10 & 11	No change to draft	NN Disclosul	 Moderate risk Submission want interstate trade to occur DVIA have always had this on their agenda and should be satisfied that it can be facilitated in at least some form (e.g. temporary)
The Qld Water Plan will be to allow for the future trade of groundwater. Provisions contained in the Water Plan and Water Management Protocol are designed to allow for this to occur with appropriate interstate agreements in place.	ished on Pr		

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Feedback on draft Water Management Protocol (Groundwater)

WMP	Section number	Comments
MM	10 (3) (a)	DELETE (a) – changed during the water year
ММ	12 (2)	REPLACE 12 (2) (a) representative groundwater level with – must determine an assessment site to represent each zone in each subarea. The assessment site mentioned in Table X must: • represent the long term condition and trend of the subarea
		Table X
		REPLACE 12 (2) (b) preceding two winter water levels with - must determine a reference groundwater level for each assessment site to represent:
		the stable saturated thickness of the subarea
		stable means the groundwater elevation measured, as far as practicable, during the autumn period saturated means the estimated distance available pumping draw down
		saturatea means the estimatea distance available pumping araw down
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Groundwater Water Plan and Other Policy

Version history

Status	Version no.	Date	Changed by	Nature of amendment
Works hop Versio n	1	20 Sept 2018	Coby Pymble-Ward; Jason Chavasse	Version for policy workshop

Development history

_	
Title	Details
Plan area	Border Rivers and Moonie
Policy type	Position statements
Prepared by	Cate Hoye; Leigh Hansen; Cathy Willis; Paul Hausler; Jason Chavasse; Coby Pymble-Ward
Title	Groundwater Water Plan and Other Policy
Reviewed by	Coby Pymble-Ward; Jason Chavase
Group/region	Toowoomba, Brisbane
Location	Na
File no	Na O
Review trigger	Policy workshop endorsement
Rill	ished or Paris

Context

This paper addresses water plan and other policy in response to submissions on the draft Border Rivers and Moonie water plan and water management protocol.

Background

Submissions the following issues have been raised by stakeholders on the Border Rivers and Moonie water plan and supporting documents.

Consideration and endorsement of policy team recommendations sought from the policy reference group together with indication whether or not to refer these issues to the PRP for consideration and sign off.

Issues considered in this papers include:

- 1. Shared management of the Border Rivers Alluvium
- 2. BRA (deep) Trading
- 3. BRA (deep) SWA
- 4. BRA (deep) Impact Management
- 5. BRA (deep) Zones and Envelopes
- 6. BRA Interstate Trading
- 7. Replacement Bores
- 8. BRA (deep) New bores
- 9. S&D reticulated area limitation
- 10. BRA (deep) Storage of GW
- 11. BRA (shallow) SWA
- 12. Consideration of trigger bores in impact assessment (CB issue)

Table 1 Border Rivers and Moonie



s.73 Irrelevant information

2. Trading (BRA deep)

- I am strongly opposed to trade of both permanent and temporary water, as I have significant concern this will lead to growth in the water take from the aquifer. I believe that trade and protecting the aquifer are diametrically opposed. This could have a detrimental effect on existing water users. (110)
- I consider [the proposed approach for trade] is valid in achieving the objective of allowing trade to occur without compromising the aquifer by dramatically lowering water tables in particular areas below the alluvium where current extractions are significant (111)
- We support the ability to trade water allocations provided there are sufficient mechanisms in the WRP to protect existing users from third party impacts (131)
- We support the ability to trade water allocations, but there is significant concern about lack of protection to existing water users from third party impacts. Some members would prefer no trade at all to protect from potential impacts of trade and movement of water extraction across the aquifer. Trades should not impact on existing users. Sufficient protections need to be built into the water plan to protect existing users to the greatest degree possible.
 - While we are accepting of trading in principle, we don't want it to come at any cost or be unconstrained. (151; 152; 153)
- Support temporary and permanent trade within the aquifer based on the following premise: all permanent trades and large temporary trades are subject to stringent impact assessment which takes into account relevant bore positions, volumetric take and any other relevant information on the NSW side of the aquifer. Our support or otherwise (for temporary and permanent trade) will be largely determined based on this assessment systems as it must allow the greatest possible protection for existing users and allow trade accordingly (158).
- Due to the infancy of the GW model we would advocate a very conservative approach to permanent trading. Once committed they are difficult to reverse if the initial modelling process inaccurate and a neighbouring bore has been compromised. This assumption can easily be revised upward at a future 10 year review if proven (160)
- There should be provision for all types of trade and the development of new holes, providing there is a sound methodology for the assessment of reasonable third party

Issue background

- The draft Border Rivers and Moonie water management protocol provides for the permanent and temporary trading of proposed water allocations in the Border Rivers Alluvium (deep).
- Dealing rules contained in the plans provide for trading anywhere within the sub-unit, including between zones, subject to zone envelopes and assessment of potential drawdown impacts.
- Envelopes and impact management are dealt separately in the table.
- Submissions received from stakeholders regarding trading in general (i.e. not zones, envelopes or impact management) indicate:
 - Oppose trade (permanent or temporary) due to concern it will lead to growth in take and impacts on existing users (2)
 - Support for trade provided adequate protections/no impact on existing users (8)
 - Trade rules should be developed through independent modelling (1)
 - Trading should be of the volumetric limit not nominal volume (1)
 - Trading should start out conservatively and ramp up later after review (1)
- Stakeholders in the BRA (deep) have overwhelming submitted opposition the proposed trade assessment model based on 5 zones and envelopes, coupled with third party impact assessment.
- Stakeholders submit that trade assessment should be based on a single zone and more robust third party impact assessment that considers cumulative (i.e. the impact of all bores and trades on a single user) impacts including those in NSW.
- Despite concerns about the trading framework, only 2 submissions were received opposing the trade of groundwater in principle. These two submissions indicate concern that trade will lead to growth in take and adverse effects on the aquifer and water users.
- Overwhelmingly entitlement holders want trade however they want to be assured that:
 - There will be no adverse impacts on existing entitlements through SWL drawdown including the NSW entitlement extractions;

Policy team proposed Continue to provide for trading in the

Note concerns about trading the BRA – see policy discussion number 5.

impacts, as the basis for approval. This allows water to be shifted.

Rules around trade should be developed with good independent modelling and have some flexibility in the case the expected scenario does not eventuate (162) - possibly more.

- Most [large entitlement holders/large developed users] are against trade and against the unretarded development of new bores. Trade will not increase value of the aguifer to the community or Australia but more likely make existing infrastructure redundant and inflict financial pressure on existing users. Trade must be restricted to shelter hotspots but also to minimise acceleration of usage and therefore damage to existing business (121)
- Seasonal trading of a reduced nominal volume would be unviable considering establishment cost and infrastructure, reducing income by 47%. Perm and temp trade should be of the volumetric quantity shown on the water allocation (167)

Submitters

sch4p4(6) Personal information

- That there are mechanisms in place to protect users and the resource;
- That there is simple seasonal/temporary trade mechanisms

Issues and Risks

- While use is likely to increase as un/underused entitlement is bought by productive users, utilisation is already increasing in the BRA (deep). Use in the deep will be managed to 53% of entitlement over ten years.
- While use is at current levels, no announcements will be required manage take (i.e. users will have an announcement of 100%, with productive users being offset by those not taking). As use increases, announcements will be required to manage take. Should all users try to take their full entitlement, an annual announcement of 53 per cent would result.
- The increase in utilisation of entitlement will occur whether trade is present or not through:
 - Land and water are currently being sold resulting in utilisation of previously sleepy water;
 - o Increases in existing entitlement extraction through the pumping of water into storages.

Proposed Project Team options

Option 1 (preferred) - Allow for a volume of up to 100ML to be seasonally assigned with no impact assessment.

Impacts of a trade of 100 ML would require a 10 metre separation to nearest neighbours bore (3m threshold). This distance is conservative enough not to interfere with any neighbouring bores.

SWA of 100ML or greater would require impact assessment to ensure neighbouring bores are not impacted.

This SWA rule would continue to provide for an expedited SWA to meet entitlement holder expectations and be able to meet COAG transaction service standards of 5 business days.

3. SWA (BRA deep)

- Seasonal Water Assignments within a Water Year are not subjected to same degree of assessment ie use of different parameters in Third Party Assessment Formula as those required when an application for a Permanent Trade is being evaluated. Supportive of less stringent assessment of SWAs (111)
- There needs to be a fast approvals process for small, low impact temporary trades particularly when these trades are time critical for crop management (131)
- We require clarification of the time required to do a complete impact assessment to better understand the impact on small temporary
- SWA there should be a fast approval process for small, low impact SWA as long it doesn't impact existing users (152)
- special consideration should be given to a fast approval process for small, low impact SWA. This would require a specific set of rules built in to prevent abuse and impacts on existing users. This could be resolved with clarification of the time required to do a complete impact assessment (153)
- Support temporary and permanent trade within the aguifer based on the following premises: All permanent trades and large temporary trades (>50ML) are subject to stringent 3rd party Impact Assessment Process, which should take into account relevant bore positions, volumetric take and any other relevant information on the NSW side of the aquifer as well. Our support or otherwise will be largely

Issue background

The Draft Border Rivers and Moonie Water Management Protocol (WMP) provides for Seasonal Water Assignment in the Border Rivers Alluvium Deep resource to be subject to the same assessment process as that of permanent trades. As such, all SWA's will be subject to impact assessment under Chapter 11 of the WMP.

Submissions received on the WMP have requested that the process for assessing and completing a Seasonal Water Assignment (SWA) be less stringent than that of a permanent trade. The submissions include general statements requesting less onerous assessment and different parameters.

This would allow for quick turnaround for those who may need the water quickly. Currently a SWA is approved within approx. 5 business days, however this varies between offices depending on workloads. There is a wish to ensure small amounts of water quickly, however no awareness of how long the assessment process takes.

Another submission states that we need a more conservative approach to our assessment and that the 3m drawdown figure is too large. However this figure has been adopted for consistency with the NSW impact assessment approach which

20-308 File A Page 159 of 493 determined based on this assessment system as it must allow the greatest possible protection for exiting users and allow trade accordingly.

Suggest that singular temporary trades of <50ML for emergency crop finalisation could be viewed as a fast track application and not be held to the same rigorous 3rd Party impact assessment. This would need its own specific rules though to ensure that the system is not used inappropriately (158)

- Temporary Trading:
 - We feel the current 3 m drawdown assumption placed into the third party impact equation is not conservative enough to protect existing rights of current users.
 - Given the seasonal nature of usage, from our experience, a 300 MI trade approved by the 3m assumption at the minimum 400m separation would adversely impact adjacent bores.
 - We would suggest an assumption which permits a trade of 150 MI at the minimum separation distance of 400m to be a more appropriate assumption to protect existing groundwater users.
 - This assumption could be relaxed at a future 10 year review if the model is compliant with reality (160).
- Temporary trade approval process should be streamlined to be timely (take less than a fortnight) and that smaller transfers are possibly exempt from 3-party assessment process (162).

Submitters

sch4p4(6) Personal information

states a maximum of 3m or 5% of available head above target aquifer.

The challenge with the 5% of available head means that we need to know each bores available head before we can assess an impact. This is an onerous approach and therefore adopting a single threshold figure is the preferred approach. The key being that it is as consistent with the NSW approach as possible.

One of the entitlement holders – Daryl Cleeve has discussed in consultation sessions about reducing the drawdown threshold to see what being more conservative look like. The following scenarios were presented based on the following parameters -T-200; S-0.001; t-180 days; Pumping (Q) 100 ML

- 3 metre threshold ~10 metre separation to nearest neighbour
- 2.5 metre threshold ~30 metre separation to nearest neighbour
- 2 metres ~100 metre separation to nearest neighbour

Legislative context

Draft Border Rivers and Moonie Water Management Protocol

Issues and risks

- That if no assessment is done, third party impacts cannot be tracked and predicted.
- Resourcing is reduced to undertake the bulk of SWA's if under 100ML volume is not assessed.
- Would still need to undertake a cumulative assessment of individual volumes if entitlement holders start accumulating water.

Option 2 – Move forward with the current proposal in the draft water management protocol.

Proposed Option

- 1. Retain proposed drawdown threshold that is consistent with NSW.
- 2. Consider merits/risk of exempting small permanent trades (<100ML) from impact assessment.
- 3. The process will consider nearest neighbour and cumulative volume impact – see note below.
- 4. The current threshold for impact assessment will either be 2.5 or 3 metres in keeping consistency with NSW which is about 5-10% of the available head in these deep bores.

Available Head above target

4. Impact management (BRA deep)

- The long term sustainability of the aquifer is in the best interests of not only Groundwater Users that access the resource, but also the community at large. Therefore any assessment of trade volume must take into account the performance of the aquifer and any the volume of current extractions in the general vicinity of the proposed 'point of take' of the traded volume. The Draft Plan proposes a set of Rules that include Zones and Trade Envelopes with the assessment process to also include a Third Party Impact Assessment. I consider this approach is valid in achieving the objective of allowing trade to occur without compromising the aquifer by dramatically lowering water tables in particular areas below the alluvium where current extractions are significant (111)
- It is a feature that third part impact of trade looks at bore levels but probably the most significant third- party impact of trade is in the acceleration of growth in extraction and therefore the erosion in annual announcement (121).

Issue background

The Draft Border Rivers and Moonie Water Management Protocol (WMP) states that permanent trade of groundwater in the Border Rivers Alluvium Deep resource will be subject to impact assessment under Chapter 11 of the WMP.

Submissions received on the WMP have requested that the process for assessing and completing a Seasonal Water Assignment (SWA) be less stringent than that of a permanent trade. This is dealt with in section 3.

Overwhelmingly entitlement holders want trade however they want to be assured that:

- There will be no adverse impacts on existing entitlements through SWL drawdown including the NSW entitlement extractions;
- That assessment consider existing entitlement and not just traded water

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aguifer - 45m

45*0.05=2.25m

- We support the ability to trade Water Allocations in BRA provided there are sufficient mechanisms in the WRP to protect existing users from any third party impacts of trade (131).
- Section 156 Determination of unacceptable impact, states that: any of the potential drawdown impacts determined in section 155 are greater than three (3) metres at any registered point of take, other than the point(s) currently stated on the entitlement being dealt with, the application would result in an unacceptable impact. We request that Section 156 be amended so an unacceptable impact would result from a drawdown impact of greater than one (1) metre, rather than three (3) metres. We request that you liaise with your NSW counterparts to ensure that the requested one (1) metre Section 156 maximum drawdown applies intra-state and inter-state. That is, a development in NSW should not result in a drawdown impact at a Queensland point of take exceeding one (1) metre, and vice versa. (139)
- There are significant concerns about lack of protection to existing water-users from the third-party impacts of permanent trade. Sufficient protections need to be built into the WRP to protect existing users to the greatest degree possible.

 This trade assessment process must include detailed consideration of both state's trading activity to ascertain proximity of works and volumes of extraction. The assessment should have regard for the existing entitlement attached to any works not just the trade volume (151).
- We have concerns on protection to existing bores from thirdparty impacts of permanent trade

 This trade assessment process must include detailed
 consideration of both state's trading activity to ascertain
 proximity of works and volumes of extraction. The assessment
 should have regard for the existing entitlement attached to any
 works not just the trade volume (152).
- DVIA supports ability to trade but there are significant concerns about lack of protection to existing water-users from the third-party impacts of permanent trade. Some DVIA members would prefer no trade at all to protect from potential impacts of trade and movement of water extraction across the aquifer. Trades should not impact on existing users. Sufficient protections need to be built into the WRP to protect existing users to the greatest degree possible, while still enabling development of the resource.
 - This trade assessment process must include detailed consideration of both state's trading activity to ascertain proximity of works and volumes of extraction. The assessment should have regard for the existing entitlement attached to any works not just the trade volume (153).
- Support temporary and permanent trade within the aquifer based on the following premises: All permanent trades and large temporary trades (>50ML) are subject to stringent 3rd party Impact Assessment Process, which should take into account

- That there are mechanisms in place to protect users and the resource;
- That there is simple seasonal/temporary trade mechanisms

Several submissions consider that a more conservative approach to our assessment is required and that the 3m drawdown figure is too large. One submitter's requests that drawdowns be limited to 1 metre while another considers that permanent trades should be 'very conservative' and revised up later if need be. However, the 3m drawdown figure has been adopted for consistency with the NSW impact assessment approach which states a maximum of 3m or 5% of available head above target aquifer.

The challenge with the 5% of available head means that we need to know each bores available head before we can assess an impact. This is an onerous approach and therefore adopting a single threshold figure is the preferred approach. The key being that it is as consistent with the NSW approach as possible.

One of the entitlement holder has discussed in consultation sessions about reducing the drawdown threshold to see what being more conservative look like. The following scenarios were presented based on the following parameters - T-200; S-0.001; t-180 days; Pumping (Q) 100 ML

- 3 metre threshold ~10 metre separation to nearest neighbour
- 2.5 metre threshold ~30 metre separation to nearest neighbour
- 2 metres ~100 metre separation to nearest neighbour

The WMP can be amended to make changes to the thresholds if concerns arise around trade and impact assessment.

Legislative context

Draft Border Rivers and Moonie Water Management Protocol

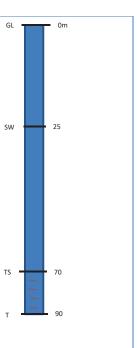
Issues and risks

- The stakeholders want a very conservative approach to impact assessment but they also want consistency with NSW
- We will need to ensure that the approach is consistent and if possible to address concerns over impact threshold (which NSW currently utilise). The NSW approach has been used for some time so their flexibility in change is dependant on NSW willingness for change.

- This impact threshold will minimise the impact on third parties while facilitating trade.
- 6. QLD and NSW will work together to ensure assessment of trade will consider bores on both sides of the border alluvium and that any proposed changes to this methodology are consistent across border as far as possible.

Note – the exact impact assessment methodology is yet to be finalised includina:

- Cumulative impacts versus impact on nearest neighbour only - however it is important to note that cumulative impact, would be significantly more onerous to implement.
- Working with NSW to ensure:
 - a consistent approach to assess extraction points in each state
 - agreed consistent parameters used in the assessment



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relevant bore positions, volumetric take and any other relevant information on the NSW side of the aquifer as well. Our support or otherwise will be largely determined based on this assessment system as it must allow the greatest possible protection for exiting users and allow trade accordingly.

Our support or otherwise (for temporary and permanent trade) will be largely determined based on this assessment system as it must allow the greatest possible protection for exiting users and allow trade accordingly (158)

- Given our preference for the Third Party Impact Model to oversee a one zone approach to the Dumaresq Groundwater Resource we would contend the following. Permanent Trading:
 - Due to the infancy of the groundwater model we would advocate a very conservative approach to permanent trading. Once committed they are difficult to reverse if the initial modelling proves inaccurate and a neighbouring bore has been compromised. This assumption can easily be revised upward at a future 10 year review if proven.
 - We would advocate that a more conservative drawdown assumption be used to assess permanent trades. We would put forward a drawdown assumption half that for temporary trades.
 - By being very conservative on permanent trades does not preclude the purchaser from entering the temporary market to obtain additional water under less stringent 3rd party impact assumptions.
 - Any temporary trade applied under the above point should be assessed including the initial permanent trade to avoid the possibility of cumulative 3rd party impacts (160)
- There should be provision of all types of trade and new holes, given there is a sound method for assessing reasonable 3-party impacts, as basis for approval (162)
- Would hope drawdown would be considered with bore in NSW and QLD when trades are done (176)

Submitters

sch4p4(6) Personal information

5. Zones and envelopes (BRA deep)

- Council agrees with DVIA regarding the proposed zones contained in the draft water plan. The proposal of 5 zones is too complex and restrictive, the submission is to adopt a single zone will simplify trade and align with nsw (131)
- We submit that this is one of the key factors in the support or otherwise of the draft plan. We are not in favour of five zones, as contained in the current draft plan, as this is too complex and restrictive. We submit that a single zone is preferred, to simplify trade and align with NSW, provided a strong third party impact assessment process is provided (151; 153)
- Free trade and one zone for the planning area to mirror NSW approach. Trade and adoption of one zone is also important tool

Issue Background

- Water licences in the Border Rivers Alluvium (deep) are proposed for conversion to water allocations the ability to trade within the proposed sub-unit.
- Five trading zones have been proposed for the Border
 Rivers Alluvium, as outlined in schedule 6 of the water
 plan.
- Table 7 of the water management protocol defined 'maximum zone volumes' or envelopes for each zone. These envelopes, together with drawdown assessments under Chapter 11, are the principal

Preferred option

In response to this the submissions, the department proposes to:

- Retain 5 zones to allow for 'hotspot' entitlement and resource management; and
- Adopt envelope volumes 2.5 times the current volumetric limit in a zone to address concerns about perceived and/or potential risk of artificially inflated trade and allow users to recover sufficient

od ou brill begins of the state of the state

- when adopting the principal of equitable access to the resource, rather than favouring history of use, as trade allows those with high current use to have the option to purchase more water if a reduced AWD at some point in the future means their operation is restricted (162)
- I think having zones in QLD will over complicate interstate trading with NSW (176).
- In favour of trade zones and trade envelopes. The draft plan
 proposes a set of rules that include zones and trade envelopes... I
 consider this approach is valid in achieving the objective of
 allowing trade to occur without compromising the aquifer (111).
- We support the ability to trade water allocations, however, we
 have concerns on protection to our existing bores from third
 party impacts of trade. We do not want the current five zone
 plan. We would like one zone. A single zone is preferred to
 simplify trade and align with NSW, provided a strong third party
 impact assessment process is include to protect from
 unreasonable impacts of trade (152)
- We do not support the five zone model and believe that there should be a single zone which is more aligned with the NSW water trade position (158)
- WE are opposed to the proposed five zone model for the following reasons:
 - There is nothing accomplished by having zones which cannot be achieved through suitable third party impact rules already proposed in the draft
 - artificially created zones are a restriction to free and open trade which has the potential to create inequalities in the water market
 - To date the mechanism which has seen extraction levels and overall growth remaining relative stable has been the higher pumping activity=higher drawdown=lower bore yield principle (160)
 - QLD authorities need to liaise with their NSW counterpart and decide on zones. Zones on each side of the border should be the same. Definitively not different zones. Probably one zone only in each state (167).

Submitters

sch4p4(6) Personal information

mechanisms for managing impacts of groundwater trading.

Stakeholders in the Border Rivers Alluvium have submitted the following points in regard to the proposed trading zones:

- In favour of proposed 5 zone model (1 submission)
- A single zone should be adopted for the QLD BRA, as in NSW (9 submissions)
- Zones should be decided by NSW and QLD together (1 submission)
- Proposed zones are too complex, will create inequality and will inhibit trading (including future interstate trading) (6 submissions)
- Zones are redundant if there is a robust third party impact assessment process (4 submissions)

Zone boundaries in the BRA were defined based on the following considerations:

- Presence/absence of confining layer separating the deep and shallow aquifers
- 2. Narrowing/constriction of alluvium
- 3. Volume of entitlement
- 4. Input from water users
- 5. Model results showing localised hotspots
- Zone envelope volumes were originally defined based on consideration of performance and water levels for modelling of individual zones demand increased by 20%, 50% and 70% and stakeholder feedback.
- One of the key concerns is that the zones will create inequity due to constrained volumes and this will artificially inflate prices for water in some zones.
- In exercising a precautionary approach, the zones are proposed to remain. Zones and envelopes are the principal mechanism available under the protocol for addressing resource issues such as 'hotspots' in the BRA (deep) i.e. if water levels decline, envelopes can be reduced to stop additional water moving into a zone.
- This is separate to third party assessment which is purely designed to minimise drawdown impacts and will not prevent movement of water generally into areas of the alluvium e.g. all water moving from the bottom of the system to the top.
- Interestingly in recent meeting (DVIA meeting 24
 August 2018) discussion was held with the Chair of
 the DVIA and some members whom asked for some
 pseudo zones that could sit in the background and be
 used when necessary. This approach does just that.
- While drawdown impact assessments are intended to limit impacts on existing users individual bores, zones and envelopes are intended to limit impacts on the

- water to continue previous extraction
- Note that the WMP can be amended to increase or decrease envelopes as needed, therefore initial envelopes may be specified that effectively negate the existence of separate zones until required.
- Note that Zone 4 contains several stakeholders who are concerned about trade and impacts including Ostwald and Whyalla feedlot. An option here would be that this trade envelope be purely limited to 2 times which equates to 10,500 ML, still a significant potential volume.
- Note that EFOs will change with the remodelling of the trade envelopes in each zone. However, this is purely about providing a marker for how we are meeting productive base in the context of the Basin Plan requirements. In the productive base of the resource will be more realistically managed through the shared extraction limit 8.1GL.

Option 2 – continue with the current approach of the zones with limited volume envelopes despite stakeholder concerns.

- overall resource, mitigating the formation of 'hotspots' and allowing for use to be moved away from overallocated zones.
- To address stakeholder concerns regarding zones, initial envelopes are proposed that would allow all users to recover entitlement to allow use of preconversion volumes under proposed announced entitlement rules.
- The following table outlines the proposed zone and envelop approach:

	Zone	Zone	Zone	Zone 4	Zone
	1	2	3		5
Number of entitlements	2	6	6	6	5
Current entitlement volume (ML)	1684	2500	2372	5290	2575
Envelope Volume (ML)	4210	6250	5930	13225 or 10580	6438
Additional Permitted Volume (ML)	2526	3750	3558	7935 or 5290	3863

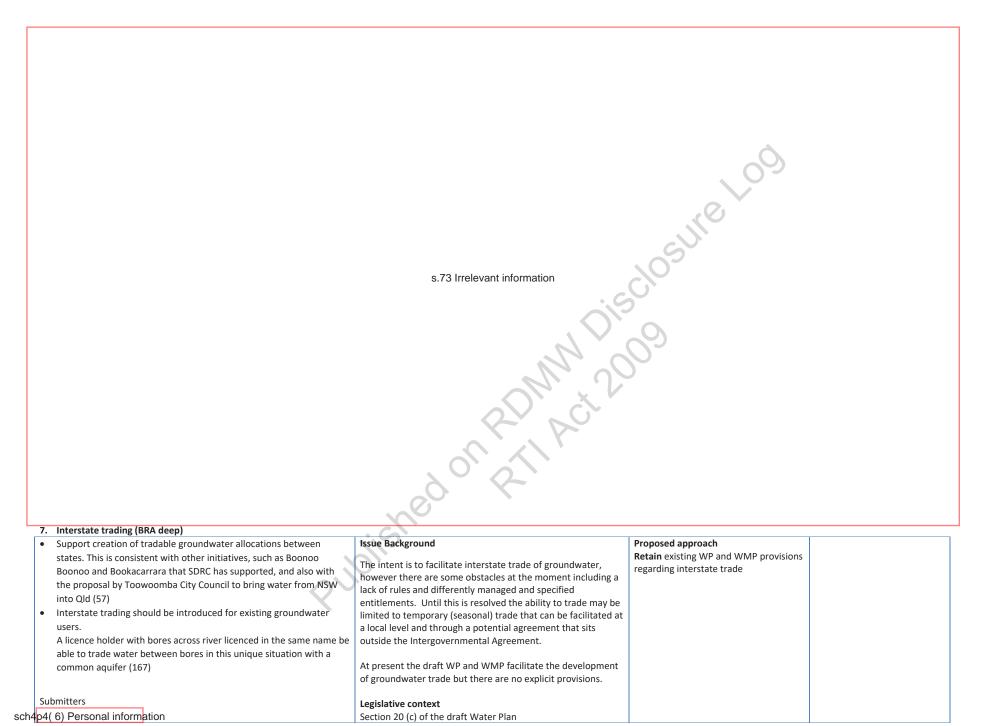
Legislative context

Draft Border Rivers and Moonie Water Management Protocol

Risks and issues

- If the department was only to specify a single zone, it could allow for the formation of extraction 'hotspots' in productive parts of the alluvium.
- The absence of zones in the NSW BRA means that NSW entitlement is free to accumulate, subject to NSW assessment provisions, despite the existence of envelopes on the QLD side seeking to potentially limit the growth of entitlement in a particular area/s.
- The water sharing plan for the NSW Border Rivers Alluvium does not specify management zones for the shared resource. Instead, trades are managed solely via case by case drawdown assessment and setback distances. NSW has indicated that they do not intend on implementing zones the NSW BRA.

s.73 Irrelevant information



Section 10 and 11 of the draft WMP Risks Does not meet one of the key entitlement holder concerns that has been on their agenda since the commencement of the consultation on the statement of Intent in 2016. May be seen by stakeholders that there is a lack of commitment to interstate trade 8. Replacement Bores (BRA deep) **Issue Background** Proposed approach • The Draft Plan limits the sinking of replacement bores to within 10 Retain current provision providing for a metres of existing bores. We submit that this is impractical and that Stakeholders in the BRA (deep) have requested that provisions permitted change for a replacement 50 metres is a sensible distance that will allow good separation in the draft plan providing for a permitted change of location bore within 10m of the bore being between failed and replacement holes (110; 151; 153) (point of take) that is for a replacement bore within 10m of replaced. • The draft Water Plan limits replacement bores to within 10 meters of the bore being replaced be amended to allow for a distance existing bores. We agree that this is impractical and support the up to 50m. recommendation of 50 meters as more appropriate to allow Provisions in the draft WMP provide that a change of location sufficient separation between failed and replacement bores (131) on a water allocation is permitted where the bore is a Replacement bores should be within 50 metres from the existing replacement bore within 10 metres of the bore being bores (152) replaced. These provisions were worded to align with the • The draft currently states that replacement bores can only be definition of replacement bore under the Water Regulation completed within 10m of their current position. We would suggest and the broader planning framework. that this is physically inappropriate and would suggest extending this out to 50m (158) State Development Assessment Provisions states bores can be replaced for operational need without a development permit providing they are no further than 10m form the original bore. Although this distance can sometimes be too close it is a Submitters provision that has been in legislation for a number of years sch4p4(6) Personal information and is accepted and know by drillers and stakeholders. The provision just allows for some operational flexibility by the landholder however it does not prevent them drilling further away - they will just need an assessment first to prevent impacts on neighbours entitlement bores. A change to make this a different distance in the BRA would just cause confusion among drillers and stakeholders and could make compliance difficult. It would also require a change to the Water Regulation and SDAP. 9. New bores (BRA deep) • I am in favour of a complete embargo on the drilling of new bores. **Issue Background** Proposed approach Continue with the current draft to the New bores would only lead to further extractions from the aguifer This issue is expressed by two entitlement holders located in extent that the above proposals amend (growth). Current yield of existing bores is regulating the annual Zone 4 and Zone 5. Both are concerned with any change in the plan. water take (110) the use of water across the system and do not want to see any • I think there has been large gaps in the process so far in drafting the additional or sleepy water activated. There will be no blanket embargo on Border rivers Plan. The Dumaresq Valley Irrigators association does the drilling of new bores however they not represent the interests of those businesses that have large The development of water infrastructure will not be limited to

those who already have entitlement and bores but be allowed

to occur within the management limit, both the shared

entitlements and large developments that are already reliant on the

sustainability of the aguifer. Most of us that are in this category are

against trade and against the unretarded development of new bores.

will be managed to limit third party

impacts.

These stake holders are regularly overlooked in invitations to DVIA meetings and our opinions overlooked when we are invited (121)

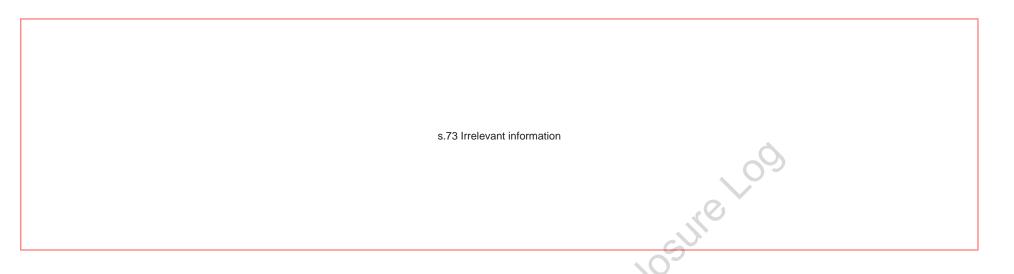
interstate resource and the SDL. There will not be 'unretarded' growth in fact it will be:

- managed to the 'shared limit' and SDL
- controlled trade via zone envelopes
- location of bores managed by third party impact protection rules

sch4p4(6) Personal information

Submitters

s.73 Irrelevant information



Published on Pally Soon

Approval

Date:

**
Date of Policy Workshop:
Reference workshop recommendations:
Rationale:
Date of Policy Reference Panel consideration:
Reference Panel recommendation:
Rationale:
Panel Chair Signature:

Groundwater Water Plan and Other Policy Border Rivers and Moonie

Version history

Status	Version no.	Date	Changed by	Nature of amendment
Works hop Versio n	1	20 Sept 2018	Coby Pymble-Ward; Jason Chavasse	Version for policy workshop
PRP Versio n	2	25 Sept 2018	Coby Pymble-Ward; Jason Chavasse	Incorporated policy workshop comments for PRP consideration

Development history

Title	Details
Plan area	Border Rivers and Moonie
Policy type	Position statements
Prepared by	Cate Hoye; Leigh Hansen; Cathy Willis; Paul Hausler; Jason Chavasse; Coby Pymble-Ward
Title	Groundwater Water Plan and Other Policy
Reviewed by	Coby Pymble-Ward; Jason Chavasse
Group/region	Toowoomba, Brisbane
Location	Na
File no	Na
Review trigger	Policy workshop endorsement

Context

This paper addresses water plan and other policy in response to 2 submissions on the draft Border Rivers and Moonie water plan and water management protocol.

The policy review group requested at the policy workshop of 24 September 2018 that the following issues be noted by the PRP as these matters were raised by stakeholders p4(6) Personal information who requested delegations with the

Minister and met with the ED Water Policy.

Important Note

The submissions received from sch4p4(6) Personal information will not result in the department significantly changing direction on the preferred policy approach. The approach is outlined below in the policy position section and was based on the draft provisions and consideration of all submissions received on this matter.

Background

The draft Border Rivers and Moonie water plan and water management protocol includes provisions to undertake several changes, however those listed below were of concern to the 2 submitters:

- Convert groundwater licences in the Border Rivers Alluvium (deep) to water allocations specifying a:
 - o volumetric limit equal to the nominal entitlement of the converting licence
 - nominal volume equal to 53% of the nominal entitlement of the converting licence reflecting the agreed share of the resource with NSW
 - water allocation security objective of 50% representing the probability of annual announced entitlements equalling the nominal volume or greater over the simulation period (WASO 2.0)
 - o equal treatment for all licences (with the exception of town water) in conversion no special treatment for larger users, historical use or purpose of use.
- Provide for five trading zones within the QLD BRA (deep) and maximum zone volumes of between 120-150% of existing entitlement (100% only in zone 4) to manage interzone trade.
- Announced entitlement rules to manage use in the deep to the agreed share of the resource (53% of entitlement) and the SDL over 10 years, with a variable (0-100%) and fixed (53%) announcement group.
- Permanent trade rules that:
 - o Permit a change of location that is for a replacement bore
 - Assess a change of location and amalgamation of two WAs such that maximum zone volumes are not exceeded and drawdown impacts are not unacceptable (>3m).
 - Prohibit a trade that is outside the BRA (deep) or would resulting maximum zone volumes being exceeded.
- Temporary trade (seasonal assignment) rules that approve SWAs that are:
 - o For the remainder of the water year;
 - o Is within the BRA (deep)
 - o Does not result in maximum zone volumes being exceeded
 - O Does not result in unacceptable drawdown impacts (>3m).

Matters raised by submitters but not considered in the Water Plan or associated documents

An embargo on any new bores due to potential increase in extraction

Policy Position

In response to all submissions received on the Border Rivers Alluvium, the following items have been confirmed or amended in response to PRP or policy workshop endorsement:

- 1. Confirmed specification of 'any' entitlements with a nominal volume of 53% nominal entitlement reflecting the agreed share of the resource with NSW (PRP 24/7)
- 2. Confirmed specification of only two purposes (i.e. no stock intensive purpose) and not providing high security entitlements to some entitlements holders (i.e. all entitlements treated equally) (PRP 24/7)
- 3. Allow for volumes up to 100ML to be seasonally assigned without impact assessment (Policy Workshop 24/9)
- 4. Retain impact assessment rules that are consistent in principle with NSW, noting that drawdown threshold in draft WMP will be amended (Policy Workshop 24/9)
- 5. Retain proposed 5 trading zones but adopt envelopes that are 200-250% existing entitlement to provide for users to return to pre-conversion access (noting that EFOs will change) (Policy Workshop 24/9)
- Amend announced entitlement rules to provide for an announcement floor of 50% and remove fixed 53% announcement group (noting that this could result in use marginally (1-300ML over ten years) exceeding the agreed share with NSW in some years) (Policy Workshop 24/9)
- 7. Retain provisions providing for interstate trade subject to interstate agreement (i.e. do not provide for interstate trading through current plans) (Policy Workshop 24/9)
- 8. Retain provisions providing for permitted trade that is for a replacement bore that is within 10m (i.e. in line with replacement bore definition in Water Regulation) do not increase distance to 50m (Policy Workshop 24/9)
- 9. Confirmed not to further limits on drilling of new bores in the BRA (deep) providing they meet impact assessment rules (Policy Workshop 24/9)

10	Confirmed - do not	nrohihit storage	of groundwater	(Policy Workshop	24/91
± 0.	Committee ao not	promon storage	of groundwater	(I Olicy Workshop	27/2/

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Table 1 Border Rivers and Moonie

Submissions	Background/issues	Options/Proposed action	Policy Group/PRP
1. Trading (BRA deep)			
I am strongly opposed to trade of both permanent and temporary water, as I have significant concern this will lead to growth in the water take from the aquifer. I believe that trade and protecting the aquifer are diametrically opposed. This could have a detrimental effect on existing water users (110).	The draft Border Rivers and Moonie water management protocol provides for the permanent and temporary trading of proposed water allocations in the Border Rivers Alluvium (deep). Dealing rules contained in the plans provide for trading	Policy team proposed Retain trading provisions for the BRA (deep) Note that trade in the Border Rivers Alluvium (deep) is to be manage	Policy Group Endorsed – have noted by PRP in context of Campbell and Ostwald correspondence
I consider [the proposed approach for trade] is valid in achieving the objective of allowing trade to occur without compromising the aquifer by dramatically lowering water tables in particular areas below the alluvium where current extractions are significant (111). We support the ability to trade water allocations provided there	 anywhere within the sub-unit, including between zones, subject to zone envelopes and assessment of potential drawdown impacts. Submissions received from stakeholders regarding trading in general (i.e. not zones, envelopes or impact management) indicate: 	through: - Five zones with maximum zone volumes (initial zone volumes are proposed to be 2-2.5x entitlement to address concerns about inflated water	
are sufficient mechanisms in the WRP to protect existing users from third party impacts (131).	Opposition to trade (permanent or temporary) due to concern it will lead to growth in take and	prices and allow some opportunity for stakeholders to	
We support the ability to trade water allocations, but there is significant concern about lack of protection to existing water users from third party impacts. Some members would prefer no trade at all to protect from potential impacts of trade and movement of water extraction across the aquifer. Trades should not impact on existing users. Sufficient protections need to be built into the water plan to protect existing users to the greatest degree possible. While we are accepting of trading in principle, we don't want it to come at any cost or be unconstrained. (151; 152; 153).	impacts on existing users (2 submissions) Support for trade provided adequate protections/no impact on existing users (8 submissions) Trade rules should be developed through independent modelling (1 submissions) Trading should be of the volumetric limit not nominal volume (1 submissions) Trading should start out conservatively and ramp up later after review (1 submissions) While largely supportive of trade, stakeholders in the BRA	recover pre-conversion access through trade once use is managed to 53%) - Third party drawdown impact assessment consistent with approach implemented in NSW that will seek to consider nearest neighbour and cumulative impacts	
 Support temporary and permanent trade within the aquifer based on the following premise: all permanent trades and large temporary trades are subject to stringent impact assessment which takes into account relevant bore positions, volumetric take and any other relevant information on the NSW side of the aquifer. Our support or otherwise (for temporary and permanent trade) will be largely determined based on this assessment systems as it must allow the greatest possible protection for existing users and allow trade accordingly (158). Due to the infancy of the GW model we would advocate a very conservative approach to permanent trading. Once committed they are difficult to reverse if the initial modelling process inaccurate and a neighbouring bore has been compromised. This 	 (deep) have overwhelming submitted opposition the proposed trade assessment model based on 5 zones and envelopes, coupled with third party drawdown impact assessment. Stakeholders submit that trade assessment should be based on a single zone (as in NSW) and more robust third party impact assessment that considers cumulative (i.e. the impact of all bores and trades on a single user) impacts including those in NSW. Despite concerns about the trading framework, only 2 submissions (Campbell and Ostwald) were received opposing the trade of groundwater in principle. These two submissions indicate concern that trade will lead to growth in take and adverse effects on the aquifer and 		
 assumption can easily be revised upward at a future 10 year review if proven (160). There should be provision for all types of trade and the development of new holes, providing there is a sound methodology for the assessment of reasonable third party impacts, as the basis for approval. This allows water to be shifted. 	Overwhelmingly entitlement holders want trade however they want to be assured that:		

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Rules around trade should be developed with good independent modelling and have some flexibility in the case the expected scenario does not eventuate (162).

- Most [large entitlement holders/large developed users] are against trade and against the unretarded development of new bores. Trade will not increase value of the aquifer to the community or Australia but more likely make existing infrastructure redundant and inflict financial pressure on existing users. Trade must be restricted to shelter hotspots but also to minimise acceleration of usage and therefore damage to existing business (121)
- Seasonal trading of a reduced nominal volume would be unviable considering establishment cost and infrastructure, reducing income by 47%. Perm and temp trade should be of the volumetric quantity shown on the water allocation (167)

Submitters

sch4p4(6) Personal information

 That there is simple seasonal/temporary trade mechanisms

Issues and Risks

- While use is likely to increase as under/un-used entitlement is bought by productive users, utilisation is already increasing in the BRA (deep). Use in the deep will be managed to 53% of entitlement over ten years.
- While use is at current levels, no announcements will be required manage take to the agreed share (i.e. users will have an announcement of 100%, with productive users being offset by those not taking). As use increases, announcements will be required to manage take. Should all users try to take their full entitlement, an annual announcement of 53 per cent would result.
- The increase in utilisation of entitlement will occur whether trade is present or not through:
 - Land and water are currently being sold resulting in utilisation of previously sleepy water;
 - Increases in existing entitlement extraction through the pumping of water into storages

s.73 Irrelevant information

3. Replacement Bores (BRA deep)

- The Draft Plan limits the sinking of replacement bores to within 10 metres of existing bores. We submit that this is impractical and that 50 metres is a sensible distance that will allow good separation between failed and replacement holes (110; 151; 153)
- The draft Water Plan limits replacement bores to within 10 meters of existing bores. We agree that this is impractical and support the recommendation of 50 meters as more appropriate to allow sufficient separation between failed and replacement bores (131)
- Replacement bores should be within 50 metres from the existing bores (152)
- The draft currently states that replacement bores can only be completed within 10m of their current position. We would suggest that this is physically inappropriate and would suggest extending this out to 50m (158)

sch4p4(6) Personal information

Issue Background

Stakeholders in the BRA (deep) have requested that provisions in the draft WMP providing for a permitted water allocation change (location/point of take) that is for a replacement bore.

Provisions in the draft WMP provide that a change of location on a water allocation is permitted where the bore is a replacement bore within 10 metres of the bore being replaced. These provisions were worded to align with the definition of replacement bore under the Water Regulation and the broader planning framework.

State Development Assessment Provisions state that bores can be replaced for operational need without a development permit providing they are no further than 10m from the original bore. Although this distance can sometimes be too close it is a provision that has been in legislation for a number of years and is accepted and know by drillers and stakeholders.

The replacement bore provisions are intended to provide some operational flexibility to the landholder and does not prevent them drilling further away – subject to assessment of impacts on neighbouring bores.

A change to increase the replacement bore distance in the BRA would just likely cause confusion among drillers and stakeholders and could make compliance difficult. It would also require a change to the Water Regulation and SDAP.

Proposed approach

Retain current WMP provisions providing for a permitted change for a replacement bore within 10m of the bore being replaced.

Policy Group

Endorsed – have noted by PRP in context of Campbell and Ostwald correspondence

4. New bores (BRA deep)

I am in favour of a complete embargo on the drilling of new bores.
 New bores would only lead to further extractions from the aquifer

Issue Background

Proposed approach

Policy Group

(growth). Current yield of existing bores is regulating the annual water take (110).

• I think there has been large gaps in the process so far in drafting the Border rivers Plan. The Dumaresq Valley Irrigators association does not represent the interests of those businesses that have large entitlements and large developments that are already reliant on the sustainability of the aquifer. Most of us that are in this category are against trade and against the unretarded development of new bores. These stake holders are regularly overlooked in invitations to DVIA meetings and our opinions overlooked when we are invited (121)

Submitters

sch4p4(6) Personal information

Two entitlement holders located in Zone 4 and Zone 5 sch4p4(6) Personal informatione requested rules to limit the drilling of new bores in the BRA (deep). Both stakeholders are concerned with any change in the use of water across the system and do not want to see any additional or sleepy water activated.

Published on Relinations Under the draft plan, the development of water infrastructure

Do not limit the drilling of new bores in the BRA (deep) noting that growth will be managed through AEs and trade assessment (envelopes and drawdown assessment)

Endorsed - have noted by PRP in context of Campbell and Ostwald correspondence

Approval

Policy Group decisions

Table 1 Policy Group Consideration ()

Attendees: Audrey Van Beusichem, John Ritchie, Steve Goudie, Diana Wood, Dainishi Latimer, Sueanne Williams, Coby Pymble-Ward, Jason Chavasse, , Kydlie Pedofsky, Peter Brownhalls, , Paul Hausler Apologies:

Decision

• Have noted by PRP in context of Campbell and Ostwald representations to department.

PRP decisions

Table 2 PRP Consideration (2 October 2018)

Attendees: David Wiskar (Chair), Audrey Van Beuscihem, Ian Gordon, Jim Weller, Peter Brownhalls, Jason Chavasse, Coby Pymble-Ward, Kyle Pedofsky **Apologies:** John Ritchie, Steve Goudie, Paul Sanders

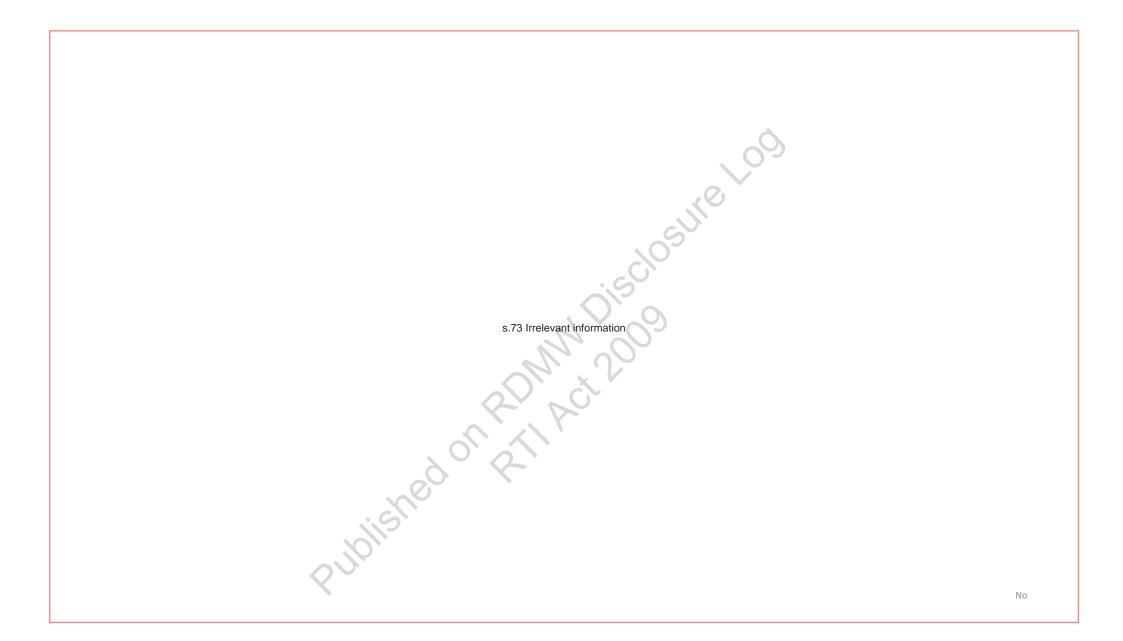
Decision

Noted

Executive Director name	David Wiskar (Chair of PRP)
Executive Director signature	1/1,000
Date	



Area	Issue Group &	Submissions	Submitter	WEN or	Details	Proposed Response	Referral	WP
	Subject			WP Issue			Panel	change
			N	lobby B	asalts			
	Deep/Shallow	 Agrees with proposed designation of deep and shallow (07_Shepherd) Wants opportunity to drill deeper (16) Noted and may require further advice (87) Leave the 75m and 50m drilling zones in place as it's has protected the resource thus far (104) 	07_Shepherd ; 16_Holmes; 87_QFF; 104_RSREnte rprises	WEN,WP	 Through the WP and WEN, a formal distinction between licences originally authorised to take from the deep and shallow aquifers is being reinstated. For licences with works access both aquifers, or where there is doubt regarding the depth of access, the entitlements are specified as deep licences. s.73 Irrelevant information 	Retain proposed designation for deep and shallow	No	Yes



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Border Rivers and Moonie

Possible Referral Panel

Area Issue Group & Subject	Submissions	Submitter	WEN or WP Details change?	Proposed Response	Referral WP Panel change
		Boro	der Rivers Alluvium (deep)	09	
			\OS	Ji.o	
			6/05		
			10,00		
			PDMM Disclo		
			50, VC,		
		409			
		chec			
		Publishedo			
		Q ^o			

Area Issue Group & Subject	Submissions	Submitter	WEN or WP De change?	etails	Proposed Response	Referral Panel	WP change
Conversions/Purpose	 Provide new WA 'purpose' for stock intensive Provide stock intensive WAs with higher priority/increased security than any (or other alternative for providing security/priority) 	139_Bennett	Both (WEN and WP schedule 8)	Whyalla Beef holds two 'stock intensive' entitlements, 77221H and 71856, with nominal entitlement of 1500ML and 1660ML respectively located in proposed zone 4, downstream of 21km NW and 12km W of Texas. Under proposed arrangements, these entitlements would be converted to water allocations with volumetric limits equal to the nominal entitlements, and nominal volumes of 798 and 883.1 ML respectively. These entitlements would be part of a water allocation group containing all non-TWS entitlements and would be subject to annual announcements managing total use to 8.1GL. Meter readings indicate average use under these entitlements of around 5% (max. 10%) and 48% (max. 60%) respectively (latest figures required). Estimation of potential announcements indicate that for current levels of use in the sub-unit, announced entitlements would remain at 100 percent. Were total use in the alluvium increase by 50%, announcements of 50% (assuming a 50% minimum was selected) would be fairly common (12 out of 36 years modelled). This suggests that the conversion would have minimal impact on the ability of the feedlot to continue existing operations, with even minimum announced allocations providing for Whyalla's average use.		Yes	Yes

Other (WP, WMP)

Area	Issue Group & Subject	Submissions	Submitter	WEN or WP Details change?	Proposed Response Referral WP Panel change

s.73 Irrelevant information

WP/existing works restriction

More consultation on implementation of existing works provisions in BRA and BRFF

Border Rivers Alluvium (deep)

Area	Issue Group & Subject	Submissions	Submitter	WEN or WP Deta change?	ils	Proposed Response	Referral Panel	WP change
	Trading	Support trading of WAs with	impact	WMP			No	No
		assessment						
		 Some in DVIA would prefer no 	o trade if sch <mark>4p4(6) Personal i</mark>	nforma <mark>ti</mark> on				
		impacts cannot be managed						
		 Provide for all types of trade 	and new bores					
		given impact management			. 0			
		 Trading rules must be develo 	ped by					
		independent modelling and h	ave flexibility					
		for the water fo	al information		40			
		 Many large entitlement holde 	ers in BRA are					
		against trading but overlooke	ed in		CO.			
		consultation/not represented	by DVIA					
		 Trade will result in growth in 	extraction and)			
		erosion of annual announcem	nent, won't					
		increase value of aquifer and		1.60				
		existing infrastructure unviab	le and inflict					
		financial pressure on users		\cdot \cdot \cdot \cdot \cdot \cdot				
		 Viability of existing businesse 	s needs to be)			
		modelled against क्ष्रिक्रायक्षी) Personal information					
		 Trades need to be restricted 	to shelter					
		hotspots and minimise accele	eration of usage					
		that would damage existing b	pusiness	X				
		sch4p4(6) Personal information						
		 Opposed to all trade as it will 						
		and impact aquifer	6) Personal information	Y				
		 Seasonal trading of the NV ur 						
		considering establishment co						
		infrastructure, reducing incor						
		and temp trade should be of						
		sch4p¼(n͡ਫ) Personal information	~0					
			~					

Trading/Impact management	Support trading with sufficient protection from third party impacts	No	No
	 Trades should not impact existing users sch4p4(6) Personal information 		
	• Impact assessment must consider both states		
	trading activity and works, extraction		
	volumes		
	Impact assessment must consider existing entitlement not just trade volume Concerned about lack of protection for existing users from the third party impacts — need protections in WP to provide greatest possible protection while still allowing development of resource Urgently liaise with NSW 1metre drawdown lipit 6) Personal information		
	Concerned about lack of protection for		
	existing users from the third party impacts –		
	need protections in WP to provide greatest		
	possible protection while still allowing		
	development of resource		
	Urgently liaise with NSW		
	• 1metre drawdowthlippは 6) Personal information		
	Whyalla only)		
	Support impact masebelp4(6) Personal information Wants consideration performance of aquifer and volume of current extractions in impact masebelp4(6) Personal information Impact assessment good, but need to consider growth in take due to trade and erosion of annual announcement (6) Personal information All perm and large temp trades (>50ML) subset to stringent impact management considering relevant bore positions, volumetric take and any other relevant info on the NSW side also (support or otherwise dependent on whether assessment system		
	Wants consideration performance of aquifer		
	and volume of current extractions in impact		
	maseserpant6) Personal information		
	• Impact assessment good, but need to		
	consider growth in take due to trade and		
	erosion of annual announcement		
sch4	p4(6) Personal information		
0011	All perm and large temp trades (>50ML)		
	subset to stringent impact management		
	considering relevant bore positions,		
	volumetric take and any other relevant info		
	on the NSW side also (support or otherwise		
	dependent on whether assessment system		
	provides greatest possible protection for		
	existing users and allows trade accordingly)		
ack	4p4(6) Personal information		
SCII	More conservative drawdown assumption for		
	a permanent trade, half that provided for		
	temporary trades. Consider total volume to		
	avoid cumulative impacts. Once committed		
	and bore impacts cannot be undone. Revise		
	at 10 yearnayiav6) Personal information		
	Wants NSW bores to be considered in impact		
	man gage和pant 6) Personal information		
		1	- 1

Area	Issue Group & Subject	Submissions	Submitter	WEN or WP D change?	Details	Proposed Response	Referra Panel	al WP change
	Trading/Zones and envelopes	Don't want five zones (too complex, restrictive) Want one zone (simple and aligned with NSW) provided strong third party impact management One zone will facilitate interstate trading Support zones and sond pafes) Personal in Zones unnecessary with third party impacts, restrict free and open trade, create in	h4p4(6) Personal informa formation	WP Schedule 6 (Aprile boundaries)	Schedule 6 of the draft water plan provides for 5 underground water zones for the Border Rivers Alluvium sub-area. These zones will be specified on water allocations in the Border Rivers alluvium and form the basis for trading, with maximum zone volumes for each zone limiting the entitlement volume that can be moved into an area. Stakeholders have indicated they want both high level of security and the freedom to trade. The five zones were defined based on the following: O Presence of confining layer O Narrowing of alluvium O Volume of entitlement O Input from stakeholders The NSW Border Rivers alluvium is not divided into management zones. Subject to third party impact assessment, trade in the NSW alluvium is unconstrained.	sections) with		Yes
		Published						

Area	Issue Group & Subject	Submissions	Submitter	WEN or WP Details change?		Proposed Response	Referral Panel	WP change
	Trading/Temporary	Fast approvals for small, low impact temporary trades Less assessment/use different para temp trade assessment 6) Personal Fast approval where not impacting Special consideration for small, low SWA with specific rules to prevent impacts on users (could be resolved clarification of time required to do complete impact assessment 70 Personal track application and not held to sa rigorous impact management althoneed on specific rule to ensure syst used inappropriate (6) Personal Temporary trades must consider an permanent trade to avoid cumulati (review submission to clarify). 3m cont conservative enough to protect users. Suggest assumption that per 150ML at 400m. Reconsider/relax asch464(8) Personal information DVIA want timely assessment of SWAP4(6) Personal information Temporary trade streamlined, taking than FN for assessment (smaller transverse) Personal information Temporary trade streamlined, taking than FN for assessment (smaller transverse) Personal information Temporary from assessment (smaller transverse) Personal information Temporary from assessment (smaller transverse) Personal information Temporary from assessment (smaller transverse)	meters for all information anyone impact abuse and di with a sonal information L for fast me ugh would em is not information by initial ve impact lrawdown existing mits at 10	information	Surelos		No	No
		(,5)						

s.73 Irrelevant information	SUIRE
PDNN Disco	
Propose embargo on new bores as current bore yield is regulating annual take and 100 Personal information bores will result in growth in take Sch4p4(6) Personal information ■ Many large entitlement holders in BRA against unretarded development of new bores but overlooked in consultation Sch4p4(6) Personal information ■ Provide for the development of new hols, providing there is a sound method for assessing reasonable third party impacts Sch4p4(6) Personal information	No No



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Policy position paper Border Rivers Alluvium Stock Intensive

Final GW09

Status	Version no.	Date	Changed by	Nature of amendment
Draft	1.0	4/07/2018	Leigh Hansen	Initial draft
Draft	1.1	16/07/2018	Leigh Hansen	Second draft
Draft	1.2	23/07/2018	Jason Chavasse	Review
Draft	1.3	2/08/2018	Leigh Hansen	Options amendment
Final	2.0	10/08/2018	Coby Pymble- Ward	Final

Title	Border Rivers Alluvium Stock Intensive	
Plan Area	Border Rivers	
Prepared by	Leigh Hansen	
Title	Natural Resources Officer	
Reviewed by	Jason Chavasse	
Group/Region	Groundwater Assessment and Planning - Toowoomba	
Location	203 Tor Street, Toowoomba QLD 4350	
File no	N/A	
Review Trigger	N/A	

Name and title	Approved	Date
David Wiskar, Executive Director	yes	24/07/18
Audrey Van Beusichem, Director	yes	24/07/18
Peter Brownhalls, Acting Regional Manager	yes	24/07/18
lan Gordon, Director	yes	24/07/18
Jim Weller, Manager	yes	24/07/18
Steve Goudie, Manager	yes	24/07/18

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Issue

Water licences to take groundwater from the Border Rivers Alluvium (deep) sub-unit are proposed to be converted to water allocations. These water allocations are proposed under sections 80-87 of the draft pan to be specified as follows:

- Purpose of 'Any' or 'Urban'

Volumetric limit equal to the nominal entitlement of the converting licence.

 Nominal Volume equal to 0.53VL reflecting the agreed share of the resource with New South Wales.

Whyalla Beef Pty Ltd (dBRM139_Bennett) submitted on the draft water plan, water management protocol and water entitlement notice indicating concern that:

 the current stock intensive purpose stated on their water licence will be changed to a purpose of 'Any';

- that multiple uses will be grouped under the purpose of 'Any', e.g., intensive livestock businesses have been grouped with irrigation.

Whyalla Beef have requested that a new purpose be added, described as 'Livestock Intensive', with higher priority and increased water security than the proposed purpose of 'Any'.

Whyalla Beef stated that if a stock intensive purpose that provides greater water security cannot be implemented, then an alternative means of providing surety/priority of water supply for livestock intensive businesses has been requested.

Table 1 Comments from Whyalla Beef's submission

Comment Number	Subject	groups includes only Urban and Any purposes." "The Authorised Purpose stated on Whyalla Beef's water licenses 77221H and 71856H is Stock Intensive and Irrigation. Water for intensive livestock businesses is therefore grouped with crop irrigation under the Any purpose."		
1	Grouping of current purposes under "Any"			
2 PUIDIT	Creation of new Livestock Intensive purpose			
If creation of new stock intensive purpose not possible, request for alternative		not be possible, then we request an		

Release

Recommendation

Retain a purpose of 'any' for all non-urban water allocations with associated water sharing rules.

Description

Under this option it is proposed to retain the water allocation purpose of 'Any' for all non 'urban' entitlements as provided for in the draft water plan with associated water sharing rules.

The specification of all licences not associated with urban uses with a purpose of 'Any', will simplify departmental management practices, provide greater flexibility in use to entitlement holders and avoid costs/barriers associated with changing the purpose of a water licence for trading.

Benefits

- All entitlements are treated equally within either the fixed or variable announced entitlement groups.
- A purpose of any provides flexibility of future water use, rather than restricting the take of water to a particular purpose
- Specifying entitlements as 'any' provides a greater pool of entitlement holders to participate in trading. If placed in a special group, trade rules would be more complex and likely restrictive due to the low number of stock intensive entitlements.
- Both the Basin Plan SDL and 'share' of the resource (agreement with NSW) are met;
- Providing a secure announced entitlement at 53% or a guaranteed lower announcement of 50% would not impact on the historical use of the two Whyalla entitlements, which have had average metered use of 48% and 6%.
- Ensures that entitlements (excluding Urban) bear their share of managing the resource.
- Resources required to reach a decision are minimised and no additional consultation is required.

Risks/Cons

Whyalla Beef who submitted on the current proposal may not be satisfied.

Summary of previous considerations (not endorsed by the policy reference panel)-

The introduction of a more secure stock intensive purpose was explored, however this option was abandoned due to difficulties in achieving SDL at the expense of other water users, among other issues. The draft *Water Plan* already provides security of access to their 'share' (53%) of the resource without unduly penalising other entitlement holders who remain subject to variable announcements.

Relevant Legislation and Other materials

Legislative Document Section No.		Section Title/Title	
Water Plan (Border Rivers and Moonie) 2019	Schedule 9	Water allocation groups and water allocation security objectives for underground water	
Border Rivers and Moonie Draft Water Management Protocol 2019			
	s144	Purpose	
Draft Water Entitlement Notice	Schedule 4	Converting to and granting water allocations (Border Rivers Alluvium (deep) underground water sub-unit)	
20-308	Fil	Proposed water allocation numbers 1086 and 1087	

Release

Water Act 2000	s29	Limiting water taken under water licence, water permit or water allocation
Border Rivers groundwater management area water sharing rules		

Background

Whyalla Beef holds two stock intensive and irrigation entitlements, 77221H and 71856H, with a nominal entitlement of 1500ML and 1660ML respectively. The entitlements are located 12km North-West and 12km West of Texas in the proposed Zone 4.

Whyalla Beef Pty Ltd operates a large beef cattle feedlot which employs around 90 people directly and supports approximately 360 jobs indirectly. The value of Whyalla's cattle production from 1 April 2017 to 31 March 2018 was \$358 million. Whyalla Beef states that the value of production per megalitre of water consumed by cattle is therefore over \$355,000. They have also purchased \$248 million of agricultural commodities, including cattle and fodder from regional producers. Whyalla is part of an integrated group and is the major supplier of cattle to another group member Oakey Beef Exports, which employs around 900 people.

Conversion to Water Allocations

Water licences in the Border Rivers Alluvium (deep) are proposed to be converted to water allocations. The decision to convert to water allocations was driven in part by stakeholder interest in secure entitlements and water trade and also by the Queensland Government's commitment to implementing the National Water Initiative.

Since 2012, New South Wales have provided for permanent trading within the Border Rivers Alluvium. To date, Queensland has not provided for groundwater trade in the area. Local demand for trade within the Queensland portion of the alluvium, and between the Queensland and New South Wales portions was identified during stakeholder consultation in 2016.

The first step in establishing groundwater trading is the conversion of existing entitlements to tradable water allocations. Conversion to water allocations provides water users with increased water security, protected by the effect of water allocation security objectives, as well as the benefits of being a permanent asset which is separate from land title.

In an area where the availability of additional water is limited, this ability to trade opens up opportunities for businesses to purchase or sell water allocations on a permanent or temporary basis to suit business needs. Proposed trading rules have been developed to provide for both seasonal and permanent trading of water allocations offering flexibility and security for water users.

Managing the extraction of water in each of the alluvial systems will be undertaken through water sharing rules under the Border Rivers and Moonie water management protocol. Under these rules, water allocations with a purpose of 'any' will be subject to announced entitlements that will manage use in the dep alluvium to the agreed share of the resource with NSW and use in the broader Border Rivers Alluvium to the Basin Plan sustainable diversion limit.

Purposes

Water Allocations in the Border RIvers Alluvium (deep_ are proposed to be specified with purpose of 'Any' or 'Urban'.

Water allocation purposes have not been defined in the draft water plan as any definition risks limiting 'any', which is intended to refer to all uses that are not for town water supply and associated use.

The specification of all non-urban entitlements, including licences specified as irrigation, stock intensive and industrial with a purpose of 'Any', will simplify departmental management practices, provide greater flexibility in use for entitlement holders and avoid costs associated water licence a consequence of trade.

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To date, purpose has not been used in the active management of entitlements i.e. stock intensive entitlements have not been limited differently to irrigation entitlements etc. Specifying all entitlements as 'any' will continue this non-distinction, treating all entitlement holders equally.

Announced Entitlements

Total water extractions from Queensland entitlement holders will be managed to a limit of 8085 ML through announced entitlements. Although the Border Rivers Alluvium is a component of the broader Border Rivers groundwater area, the shared 'deep' resource has and will continue to be managed to a level (8085 ML) consistent with historical management arrangement and agreements with New South Wales.

Of the 8085 ML long-term management limit, neither the 500 ML Texas town water supply ('Urban') nor stock and domestic supply will be subject to any announced entitlement limitations.

The department discussed the management of water extraction to the 8085 ML limit over a 10 year rolling average period during previous Dumaresq Valley Irrigators Association (DVIA) stakeholder meetings. It was explained that while use remained below 8085 ML, there would be no announced entitlement limitations. However, as total use moved above the long-term limit, announced entitlements would have effect over successive years to manage the system to the 8085ML over the 10 year timeframe.

The greater the total entitlement use over 8085 ML the greater the following year's management limitations. This can result in a fluctuating yearly system of announced entitlements as total use varies over the 10 year period to maintain the 8085 ML long term management/extraction limit.

During consultation, some entitlement holders expressed concern the implication of proposed fluctuating announced entitlements on their ability to run their business. As a result, a voluntary option of fixing the announced entitlement at 53% over the 10 year period. The individual entitlement holder will be limited to their share of the 8085 ML and not be subject to variations in announced allocations as a result of use by the total entitlement group. A fixed announced entitlement at 53% provides certainty around water supply security however it doesn't deliver the benefits to the entitlement holder of 100% water access.

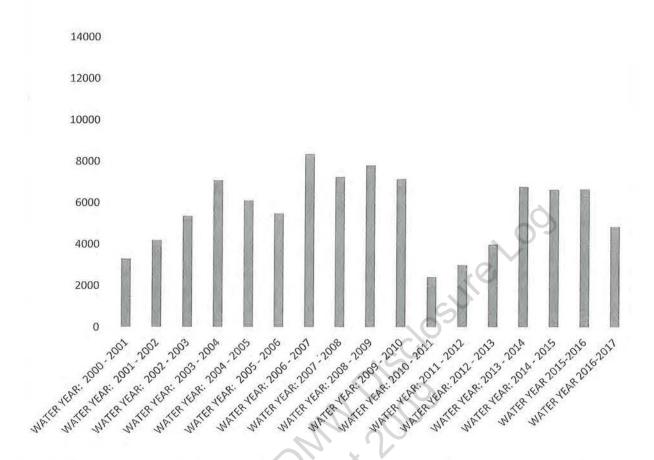
Subsequent to the inclusion of a fixed announced entitlement group in the draft water management protocol, the inclusion of a 50% announced entitlement 'floor' was discussed with stakeholders and is proposed for inclusion in the final water management protocol.

Whyalla Beef did not provide commentary around either the fixed 53% announced entitlement or the 50% announcement 'floor' in their submission, both of which will provide certainty for users.

Previous Announced Entitlements in Border Rivers Alluvium

Under the current Border Rivers Groundwater Management Area water sharing rules, limitations can be placed on taking of groundwater under water licences in the Border Rivers Alluvium (deep). Despite this allowance, water use within the Border Rivers Alluvium has been relatively low compared to entitlement (**Figure 1**). In light of this low use, restrictions have never been imposed on entitlement holders in the Border River's alluvium. If current metered use in the Border Rivers Alluvium serves as an indicator for future use, announced entitlement would remain at 100% under proposed water sharing rules.

Figure 1 - Historical Water Use in Border Rivers Alluvium



Historically, announced entitlements have not been specific to an industry or category of water user, with the exception of town water supply. Therefore, providing stock intensive water users higher priority or increased water security over other water users, is inconsistent with previous management practices in groundwater across the state.

Whyalla Beef Metered Use

Table 2 illustrates average metered use under authorisations 77221H and 71856H to be 5.3% and 47.8% respectively. The average use indicates that Whyalla Beef could sustain a 50% extraction limit as per the proposed announced entitlement 'floor' and continue to operate as they have done so historically.

Table 2 Whyalla Beef metered use

Authorisation Number	Nominal Volume (ML)	Water Year	Metered Use (ML)	% of Nominal Entitlement Used	Average Use (%)	
	1500	2017/18	Metered use not available			
		2016/17	42.10	2.8		
		2015/16	99.74	6.6		
		2014/15	89.25	6.0		
		2013/14	101.00	6.7		
		2012/13	2.74	0.2		
		2011/12	6.16	0.4		
		2010/11	43.85	2.9		
77221H		2009/10	117.70	7.8	5.0	
THE STANFARM		2008/09	87.69	5.8	5.3	
		2007/08	60.97	4.1		
		2006/07	144.65	9.6		
		2005/06	54.99	3.7		
		2004/05	55.11	3.7		
		2003/04	284.63	19.0		
-308		2002/03	ile A 128.44	8.6	Page 209 of 493	
-500		2001/02	5.92	0.4	1 age 209 01 490	

Release

		2000/01	23.42	1.6		
14		1999/00	and the second s			
		1998/99	Metered use	e not available		
		1997/98				
		2017/18	Metered use	e not available		
		2016/17	724.99	43.7	47.8	
		2015/16	1014.25	61.1		
		2014/15	684.80	41.3		
		2013/14	629.30	37.9		
		2012/13	768.45	46.3		
		2011/12	599.34	36.1		
	1660	2010/11	567.84	34.2		
		2009/10	992.89	59.8		
		2008/09	999.87	60.2		
71856H		2007/08	887.21	53.4		
		2006/07	984.72	59.3		
		2005/06	874.02	52.7		
		2004/05	834.44	50.3		
		2003/04	1252.18	75.4		
		2002/03	609.28	36.7		
		2001/02	502.12	30.2		
		2000/01	556.37	33.5		
		1999/00				
		1998/99	Metered use	not available		
		1997/98				

Action Taken

The departmental position is for the draft Water Plan and WMP to remain unchanged.

At this stage aside from the consultation prior to and during the formal draft *Water Plan* consultation in April/May 2018, the department has taken no further action on this matter.

Attachments:

None.

Project Team Recommendation

Date 15 June 2018

Recommendation

Purposes specified in the draft *Water Plan* and *WMP* are recommended to remain unchanged, and the purpose of 'Any' to be managed through announced entitlements.

Policy Workshop Recommendation

Date 22 June 2018

Recommendation

Recommendation was endorsed and issue to be escalated to Policy Referral Panel.

PRP Recommendation

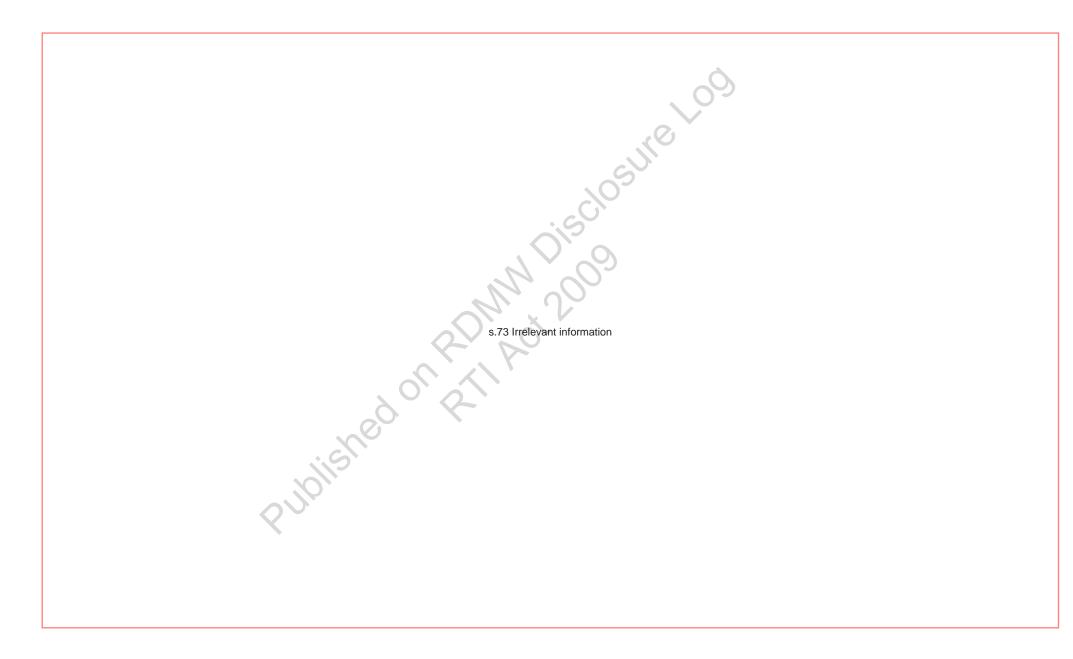
Date 24 July 2018

Recommendation

Recommendation was endorsed and issue to be considered by Independent Referral Panel.

Note subsequent decision not to refer to the referral panel as proposal for additional purpose of 'livestock intensive' with inferred higher security is inconsistent with the water plan which establishes clear purposes of 'any', 'environmental' and 'urban'.

Executive Director name	David Wiskar (Chair of PRP)	
Executive Director signature	sch4p4(6) Personal information	
Date	4/1/2019	-



Border Rivers (Deep) Alluvium

DVIA were open to conversion to water allocations in the deep resource where appropriate zones and point to point assessments could be provided.

DVIA expressed concern regarding the long term security of water allocations beyond the ten year life of the Water Plan and regarding risk assignment. The department needs to provide further detail regarding the status of compensation beyond the ten years – more for information only rather than any decision to convert to WA.

2 Location of a WA: Zone and Points of Take Previous decisions

At the policy workshop held on 31 Jan 2017 a decision was made to provide for an Administrative Plan as location on water allocations where groundwater trading was proposed.

At a subsequent meeting on 24 March 2017 it was noted that significant limitations existing regarding use of an AP as location whilst multiple point locations would be still further restrictive and the resourcing required for production of the significant number of APs required would be prohibitive. At this meeting a decision was made to provide for a zone based approach to groundwater trading/impact management for the Border Rivers (and for UCA (Tribs) should users be receptive to conversion to water allocations with this approach).

Concerns about the ability for a zone based approach to allow for the level of impact assessment expected by water users led to a further workshop held on the 18 May where the pros and cons of a point based approach were considered. At this meeting, it was decided to include specific point of take locations as "place" or condition attributes for water allocations. This would provide users the option for a zone and point of take coordinate as location on water allocations.

Consultation Outcomes

Recommendation

Note proposal for point of take location on water allocations in the UCA(Tribs) and BRA (Deep)

Note proposal to source initial location of take data from National Compliance Framework assessment.

Note proposal to nominate a source parcel centroid for entitlements without metered or installed work on licence source parcel drawdown impacts would not occur.

Note proposal for mailout to 279 entitlement holders at release of draft WEN seeking confirmation/provision of point of take locations.

Decision

Subsequent to the stakeholder meetings, Jason has had discussions with the committee representatives of Oakey, Dalrymple and Cunningham and all have expressed their support for a point based impact assessment methodology.

They were all talked through the pros and cons of this approach including the higher level of restriction on locating a new bore compared to SDAP rules as they stand now. Paul from the Cunningham Irrigators has asked for some worked examples of what the outcomes might look like with different volumes of water, drawdown levels and pumping time periods.

Braden from Oakey did express some concerns that it restricted operational work (eg replacement bores) and asked for us to consider an approach of a distance to allow for some operational flexibility in drilling a replacement bore. Also where the proposed trade does not meet the impact separation rules for there to be a mechanism to discuss with affected neighbour (agreement) to allow the trade to occur. I pointed out that there is unlikely to have the latter of these two options in a WA world due to specific WMP and WA rules.

Proposal

It is proposed to provide water allocations in the UCA Tribs and the BRA (Deep) with a zone and point of take coordinate location element to allow potential drawdown impacts of water allocation relocations to be assessed via a distance-drawdown impact assessment (impact management of groundwater trades is discussed in items 7, 8 and 9) The zone element will inform dealings to manage zone level impacts.

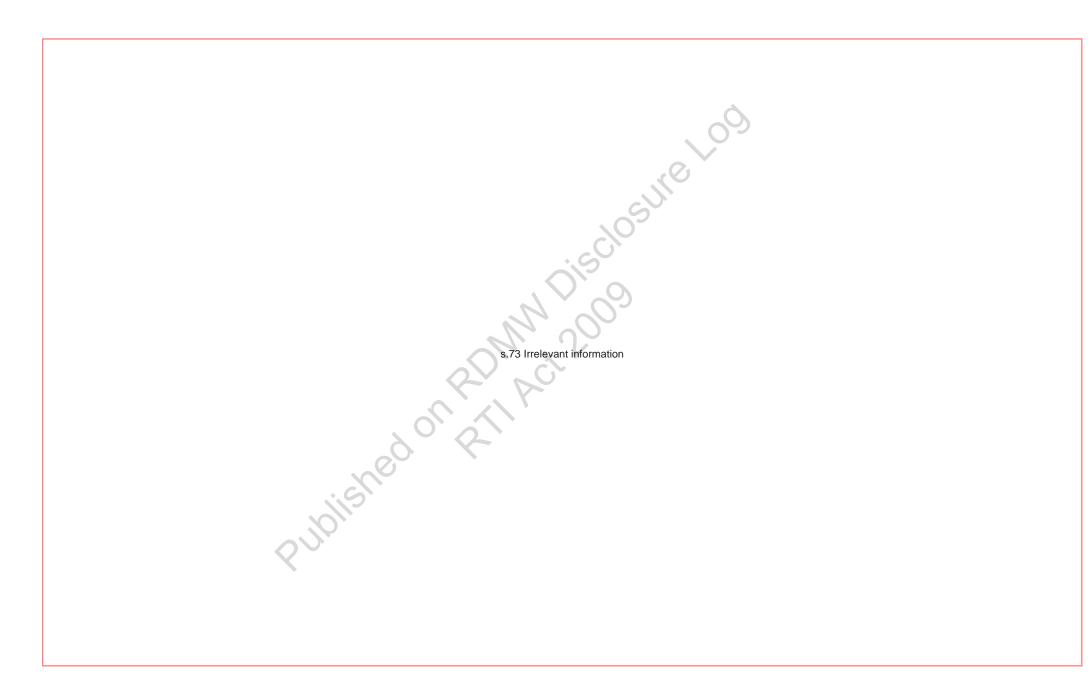
It is not proposed to assign a volumetric component to each point of take coordinate but rather it is assumed that the entire volumetric limit may be taken at each point of take.

Initial point of take locations will be sourced from the National Compliance Framework or through metering audits which have been conducted in the Dalrymple, Oakey and Cunningham Alluviums.. For entitlements without metered or works it is proposed that an existing works location or source parcel centroids be nominated where this does not result in unacceptable drawdown at existing metered works. Although feedback from stakeholders suggests that it is unlikely for no works to exist as it was a requirement of the original granting of a licence that water supply was proven through one or multiple bores.

It is proposed that letters be sent to entitlement holders pre or post release of the draft Water Entitlement Notice outlining their assumed points or take and seeking that they provide or confirm points of take for inclusion on their allocation This will require a total of 279 letters for 25 entitlement holders in the Border Rivers (Deep), 86 in Oakey Creek Alluvium, 81 in Dalrymple Alluvium and 87 in Cunningham Alluvium.









	s.73 Irrelevant information	
	Groundwater Trading and Impact Management	
7	Proposal for permanent trading of groundwater in the BRA and UCA(Tribs)	Recommendation
	Background/Previous Decisions Refer to item 1 for background regarding inclusion of zone/point of take coordinate location on water	Manage groundwater trading via a zone and cumulative distance-drawdown approach in
	allocation.	the Oakey Creek, Dalrymple, Cunningham and
		Border Rivers (Deep) alluviums.
	Proposal Construction to the district the UCA/Tribe\ and DRA/Deca\ is accorded to be accorded by the district to the district	Allow for zone envelopes to be informed by
	Groundwater trading in the UCA(Tribs) and BRA (Deep) is proposed to be managed via a two tier approach comprising:	groundwater model scenarios where available and user information.

- Zones with volumetric envelopes to manage regional drawdown and mitigate emergence of 'hotspots' and
- Cumulative distance-drawdown assessment to manage potential for drawdown interference at existing works.

Trading zones and volumetric envelopes

Zone boundaries are to be based on factors including resource characteristics and potential for impacts as indicated by the groundwater model, density of existing take, local monitoring network and user preferences.

Volumetric envelopes will be established based on user feedback and results of model scenarios and will determine whether a trading is permitted into a zone from another zone.

A trade into a zone with a zero (or negative envelope) will be prohibited. Trades will be permitted out of a no trade envelope without right to return (or until the envelope becomes positive where a negative envelope is identified).

A trade into a zone with a positive envelope will be made an assessed change to be approved where the volume to be traded can be accommodated in the envelope and subject to a distance-drawdown assessment.

Zones will be established in the Water Plan while zone envelopes and distance-volume requirements would be established in the Water Management Protocol.

Distance-drawdown assessment

Currently, licence relocations in the Central Condamine, Oakey Creek, Dalrymple Creek alluvium GMA subject to a distance-drawdown assessment. Trades in these areas are approved only where a drawdown at the nearest metered works is within acceptable limits (0.5 metres in the UCAand 0.3m in Oakey and Dalrymple).

It is proposed that all dealings that are a change of location be made assessable, subject to distance-drawdown criteria and only approved where drawdown impacts on existing third party nominated points of take are shown to be within acceptable limits.

In the Border Rivers alluvium is proposed that the distance-drawdown assessment will take into account all nominated works in the system, including NSW water supply works approvals. Discussions

- Note proposals for prohibited and assessed trades between zones subject to volumetric envelopes.
- Note proposal to use NSW distance drawdown methodology in the BRA (Deep) subject to discussions with NSW DPI.
- Note proposal to consider NSW Water Supply Works Locations in BRA (Deep) distance drawdown assessments subject to discussions with NSW DPI.

Decision

with NSW are proposed to facilitate sharing of point of take locations and the use of the NSW methodology for point to point impact assessment to ensure consistency.

It is proposed that a distance-volume table be provided as criteria for assessed changes in the water management protocol indicating the required setback required for nominated volumetric limits for individual zones or, where hydraulic characteristics support, each the entire groundwater unit.

New works to take underground water

Inclusion of new works on an allocation following publication of the water entitlement notice (subject to any decision of the WEN referral panel) will constitute a change of location and will be subject to a distance-drawdown assessment. Inclusion of a new point of take on a water allocation will only be approved where the impact on existing nominated points of take is shown to be within acceptable limits.

Replacement works

Replacement works will be subject to the code for self-assessable development of replacement bores or a version of to allow for operational flexibility in the drilling of a replacement bore. The current code allows for replacement works to be constructed within 10 metres however this needs amending at least in these systems as it is too close – the distance needs to be practical but not be so large it impacts other entitlement holders (e.g. max 50 metres).

Consultation Outcomes

Oakey Creek Alluvium

GW team met with Oakey Committee on 10 May 2017 to outline the zone approach and provide indicative zone maps (refer to Oakey Creek zone maps). Oakey Creek committee indicated concerns with moving to water allocations if point to point impact management could not be facilitated, preferring to remain as relocatable water licences.

Users indicated openness to moving to a hybrid point to point/zone approach with current sub-areas being used as zones.

Subsequent discussions (31 May) have outlined the preferred approach to be p2p with current sub areas to be maintained as the zones.

Further discussions with users regarding a zone/p2p approach, potential volumetric envelopes and suitability of current acceptable drawdown limit are proposed.

Dalrymple Creek Alluvium

GW team met with Dalrymple Alluvium Committee on 11 May 2017 to outline the zone approach and provide indicative zone maps (refer to Dalrymple Alluvium zone maps). Committee members were open to the zone approach while expressing some concern about individual impacts and resolved to take the proposal to the broader group and further develop preferred zones/envelopes. Subsequent discussions with committee a preference for a hybrid point to point/zone approach.

GW team will meet again with the Committee on 12 June 2017 to achieve further clarity regarding committee desires for zones boundaries and volumetric envelopes.

Cunningham Alluvium

GW team met with Cunningham Irrigators on 13 May 2017 to outline the zone approach and provide indicative zone maps (refer to Cunningham zone maps). Committee members were open to the zone approach while expressing some concern about individual impacts and resolved to take the proposal to the broader group and further develop preferred zones/envelopes. Subsequent discussions indicated concern regarding drawdown impacts and a preference for a hybrid point to point/zone approach.

Committee indicated a desire for two zones, comprising Warwick to Sandy Creek (Leslie Dam inflow) and another from Sandy Creek to the boundary of the CAA (refer to Cunningham zone map version 2). GW team will meet again with the Committee on 12 June 2017 to achieve further clarity regarding committee desires for zones boundaries and volumetric envelopes.

Border Rivers (Deep)

GW team met with DVIA on 23 May 2017 to outline zone and hybrid p2p/zone approach. At this meeting indicative zone maps were provided (refer to BRA zone maps versions 1 and 2).

DVIA expressed a preference for the hybrid P2P/zone and provided some nominal zones for consideration based on user preferences, understanding of the system and ensuring simplicity for NSW to align their approach in future (refer to BRA zone map version 3). DVIA also sought that any P2P assessment included consideration of points of take in both states.

The Committee indicated a preference for zones 2 and 1b to be zero envelope zones although were of the opinion that envelope volumes (and any indication of zone boundaries due to hydrogeological characteristics) should ultimately be informed by the groundwater model.

Zone envelopes should also partition the envelope volume or have separate envelope volumes for permanent versus seasonal trade. This makes allowance for interstate seasonal trade by owners both sides and provides seasonal opportunity where envelops for permanent are locked down.

GW team will meet with a broader group of users (including NSW users) on late June/early July 2017 to discuss zones, envelopes and distance-drawdown assessment and progress in discussions with NSW about aligning approaches.

Proposal for temporary trading of groundwater in the in the BRA and UCA (Tribs) Previous Decisions

At the Policy Workshop on 31 January 2017 it was decided to provide SWA flexibility for the Border Rivers (Shallow) with limited volumes.

No previous decision has been made regarding temporary trading in other areas.

Proposal

Within systems being converted to water allocations (Oakey, Dalrymple and Cunningham Alluviums and BRA (Deep)) it is proposed to provide for seasonal water assignments of up to 100 ML subject to the volumetric envelopes of each zone. This is constant with arrangements currently in place in parts of the UCATribs (although represents an increased ability to SWA in others).

Within these areas SWAs greater than 100ML will be provided for subject to the volumetric envelope and a distance-drawdown assessment as per permanent trades. This caters for a history of SWAs up to 280 ML while ensuring impacts are managed.

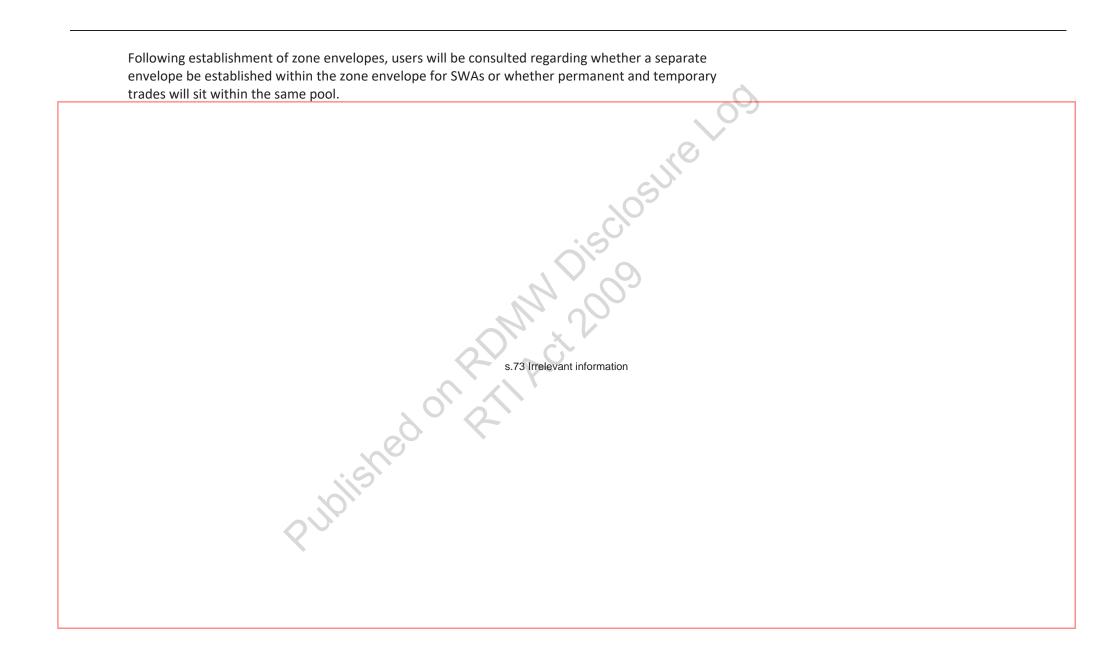
Within the Dumaresq Valley Alluvium (BRA Shallow) it is proposed to provide for seasonal water assignments of up to 100ML. This reflects community expectations that some level of trade be provided for in this resource, with the aim to achieve full tradability in the next plan.

Recommendation

- Provide SWAs up to 100ML for Oakey, Dalrymple, Cunningham and BRA (Deep) alluviums subject to zone volumetric envelopes.
- Provide SWAs greater than 100ML for Oakey,
 Dalrymple, Cunningham and BRA (Deep)
 alluviums subject to zone volumetric envelopes
 and distance drawdown assessments.
- Provide for SWAs up to 100ML in the BRA (Shallow)

Note consideration regarding combined or separate envelope for temporary trading.

Decision







Gen2 Water Plans Policy Decision Register



Groundwater Trading/Impact Management

GW 010

Development History

Title	Details
Plan Area	Border Rivers & Moonie and Condamine Balonne
Prepared by	Groundwater Team
Title	Groundwater Trading/Impact Management
Policy Issue ID	GW 010
Reviewed By	Jim Weller, Jason Douglas, Steve Goudie, Lee Horsford, Michael Jamieson, Jason Chavasse, Peter Brownhalls, Adrian McKay, Paul Hausler, Diana Wood, Audrey Van Beusichem and John Ritchie.
Date Reviewed	01-Jun-17
Related Papers or Decisions	GW014
	Published on Priliped.



Issue Description

An impact management framework is required for groundwater trades at both in terms of impacts on existing entitlements and on the groundwater resource.

Summary of Options considered and Recommended Option

Groundwater trading in the in the Upper Condamine Alluvium (tributaries), i.e. Oakey Creek, Dalrymple and Cunningham alluviums and the Border Rivers (Deep) Alluvium is proposed to be managed via a two tier approach comprising:

- -Zones with volumetric envelopes to manage regional drawdown and mitigate emergence of 'hotspots' and
- -Cumulative distance-drawdown assessment through water allocation point of take coordinate locations to manage potential for drawdown interference at existing works.

Volumetric envelopes in each zone will be informed by the relevant groundwater model where available.

Trades will be prohibited unless the trade would result in the volume of entitlement in the zone being consistent with the zone envelope. Envelopes will be set to inform trade-out or trade-in zones. All trades will be assessed changes subject to a distance-drawdown assessment. The distance-drawdown criteria will outline the distance at which a given volume does not result in unacceptable impact on third parties. A distance-volume table may be included.

In the Border Rivers (deep) Alluvium, it is proposed to implement the distance-drawdown methodology currently used by NSW DPI and to consider NSW Water Supply Works locations in any distance-drawdown assessments subject to discussion with NSW DPI.

Replacement works will be subject to the code for self-assessable development of replacement bores to allow for operational flexibility in the drilling of a replacement bore.

New works will be subject to distance-drawdown assessment and only permitted where the impact on existing third party points of take is acceptable.

Recommendation

- Manage groundwater trading via a zone and cumulative distance-drawdown approach in the Oakey Creek, Dalrymple, Cunningham and Border Rivers (Deep) alluviums.
- Allow for zone envelopes to be informed by groundwater model scenarios where available and user information.
- All trades are to be subject to the volumetric envelopes of the destination zone.
- •Note proposal to use NSW distance drawdown methodology in the BRA (Deep) subject to discussions with NSW DPI.

Policy Workshop Recommendation

Agree with proposal.

- -Where a hotspot exists provide for trading out only, elsewhere provide some flexibility to maintain current distribution
- -Start conservatively with zones determined by experts and envelopes tested with groundwater model where available (else start envelopes at 10% NE)
- -In WMP, include detail of assessment process, simple assessment table (i.e. vol-dist) and long form process
- -For BRA (deep) model conservative zones/envelopes to include NSW (engage with NSW DPI-Water regarding zones)
- -Allow for permanent trades if envelope is full with SWAs, assess based on permanent volume and approve pending SWA conclusion.

Further work sought to identify:

- -Providing for permitted trades via point to point criteria
- -Ability to approve permanent trades to be effective on date other than approval/processing date (i.e. taking water subject to existing SWAs finishing)

Rationale

Stakeholders indicated desire for continued point to point impact assessment in addition to regional protections.

Supporting Documentation

GW Policy Paper 1 June 2017

Release

Approval

Policy Reference Panel consideration

Date of Decision

14-Jun-17

Panel Decision

- Manage groundwater trading via a zone and cumulative distance-drawdown approach in the Oakey Creek, Dalrymple, Cunningham and Border Rivers (Deep) alluviums.
- •Zone envelopes to be informed by user information and groundwater model scenarios where available.
- All trades are to be subject to the volumetric envelopes of the destination zone.
- •Use NSW distance drawdown methodology in the BRA subject to discussions with NSW DPI

Decision Rationale

• To be compatible with the NSW management frameork (for Border Rivers Alluvium) • Stakeholders have advised that strongly support point-to-point impact assessment.

Panel Chair Signature

sch4p4(6) Personal information

Date:

18/9/17

GW015 Seasonal Water Assignment – UCA Tribs, BRA Deep and Shallow

Recommendation

- Point to point assessment of all SWAs in Oakey, Dalrymple, Cunningham alluviums and Border Rivers (Deep) alluvium - no cap on SWAs.
- Allow SWA in Dumaresq River Alluvium (shallow) with 100ML cap
- Zone envelopes are to include SWAs (i.e. no separate envelope/reserved SWA volume).

Summary

Within systems being converted to water allocations (Oakey, Dalrymple and Cunningham Alluviums and Border Rivers (Deep) Alluvium) it is proposed to provide for seasonal water assignments of up to 100 ML subject to the volumetric envelopes of each zone.

Within these areas SWAs greater than 100ML will be provided for subject to the volumetric envelope and a distance-drawdown assessment as per permanent trades. This caters for a history of SWAs up to 280 ML while ensuring impacts are managed.

Within zone envelopes, consideration is to be given whether SWAs are to form a separate segment or be part of the entire envelope with permanent trades.

Within the Dumaresq Valley Alluvium (BRA Shallow) it is proposed to provide for seasonal water assignments of up to 100ML. This reflects community expectations that some level of trade be provided for in this resource, with the aim to achieve full tradability in the next plan.

Reviewed by

Jim Weller, Jason Douglas, Steve Goudie, Lee Horsford, Michael Jamieson, Jason Chavasse, Peter Brownhalls, Adrian McKay, Paul Hausler, Diana Wood, Audrey Van Beusichem and John Ritchie.

Rationale

- BRA (Shallow) to be metered and considered low risk.
- Point to point (and envelope) assessment of all SWAs to overcome multiple <100ML SWAs circumventing impact assessment.

Supporting Documents

GW Policy Paper 1 June 2017

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Nil.

Gen2 Water Plans Policy Decision Register



Temporary trade/seasonal water assignment in Oakey Creek, Dalrymple, Cunningham alluviums and Border Rivers (Deep) and Border Rivers (Shallow) alluviums

GW 015

Development History

Title	Details
Plan Area	Border Rivers & Moonie and Condamine Balonne
Prepared by	Groundwater Team
Title	Temporary trade/seasonal water assignment in Oakey Creek, Dalrymple, Cunningham alluviums and Border Rivers (Deep) and Border Rivers (Shallow) alluviums
Policy Issue ID	GW 015
Reviewed By	Jim Weller, Jason Douglas, Steve Goudie, Lee Horsford, Michael Jamieson, Jason Chavasse, Peter Brownhalls, Adrian McKay, Paul Hausler, Diana Wood, Audrey Van Beusichem and John Ritchie.
Date Reviewed	01-Jun-17
Related Policy Issues	GW005; GW010

Temporary trade/seasonal water assignment in Oakey Creek, Dalrymple, Cunningham alluviums and Border Rivers (Deep) and Border Rivers (Shallow) alluviums

GW 015

Issue Description

Proposals for temporary trading (excluding interstate trade) in the Oakey Creek, Dalrymple, Cunningham Alluviums, Border Rivers (Deep and Shallow) alluviums.

Summary of Options considered and Recommended Option

Summary

Within systems being converted to water allocations (Oakey, Dalrymple and Cunningham Alluviums and Border Rivers (Deep) Alluvium) it is proposed to provide for seasonal water assignments of up to 100 ML subject to the volumetric envelopes of each zone.

Within these areas SWAs greater than 100ML will be provided for subject to the volumetric envelope and a distance-drawdown assessment as per permanent trades. This caters for a history of SWAs up to 280 ML while ensuring impacts are managed.

Within zone envelopes, consideration is to be given whether SWAs are to form a separate segment or be part of the entire envelope with permanent trades.

Within the Dumaresq Valley Alluvium (BRA Shallow) it is proposed to provide for seasonal water assignments of up to 100ML. This reflects community expectations that some level of trade be provided for in this resource, with the aim to achieve full tradability in the next plan.

Recommendation

- -Provide for SWAs up to 100ML in Oakey, Dalrymple and Cunningham Alluviums and in the Border Rivers (Deep) alluvium subject to zone volumetric envelopes
- -Provide for SWAs of greater than 100ML in Oakey, Dalrymple and Cunningham Alluviums and in the Border Rivers (Deep) alluvium subject to zone volumetric envelopes and distance-drawdown assessment.
- -Provide for SWAs up to 100ML in the Border Rivers (Shallow) Alluvium
- -Note consideration regarding combined or separate envelopes for SWAs

Policy Workshop Recommendation

Decision

- -Point to point assessment of all SWAs in Oakey, Dalrymple, Cunningham alluviums and Border Rivers (Deep) alluvium no cap on SWAs.
- -Allow SWA in BRA (shallow) with 100ML cap
- -Zone envelopes are to include SWAs (i.e. no separate envelope/reserved SWA volume)

Rationale

Rationale

- -BRA (Shallow) to be metered and considered low risk.
- -Point to point (and envelope) assessment of all SWAs to overcome multiple <100ML SWAs circumventing impact assessment.

Supporting Documentation

GW Policy Paper 1 June 2017

Approval

Policy Reference Panel consideration

Date of Decision

14-Jun-17

Panel Decision

- Point to point assessment of all SWAs in Oakey, Dalrymple, Cunningham alluviums and Border Rivers (Deep) alluvium no cap on SWAs.
- Allow SWA in Dumaresq River Alluvium (shallow) with 100ML cap
- •Zone envelopes are to include SWAs (i.e. no separate envelope/reserved SWA volume).

Team need to check with Ainslee & Matt to see if this decision will effect regular/re-occurring seasonal assignments.

Decision Rationale

- •BRA (Shallow) to be metered and considered low risk.
- Point to point (and envelope) assessment of all SWAs to overcome multiple <100ML SWAs circumventing impact assessment.

Panel Chair Signature:	sch4p4(6) Personal information	
Date:	15/11/17	200

Impact assessment

Border Rivers Alluvium (deep)



Impact assessment

- Water Allocations
 - Change of location
 - New point of take
 - Amalgamation
 - Seasonal water assignment

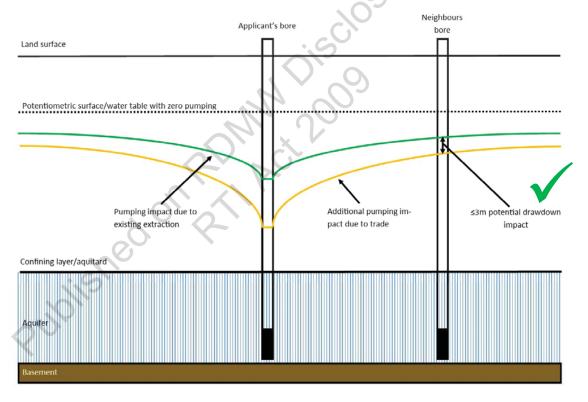
Replacement bores exempt (i.e. within 10m of existing)

Impact assessment

- Potential drawdown impact
- Nearest neighbouring entitlement from a registered point of take
- Excludes
 - points of take on applicants entitlement
 - points of take not recorded on a water allocation
 - Points of take in shallow aquifer

Unacceptable impact

 Potential drawdown impact greater than 3m over ten years



Theis equation

$$u = \frac{r^2S}{4Tt}$$

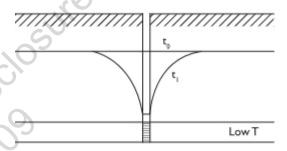
Potential Drawdown Impact
$$(s') = \frac{Q.W(u)}{4\pi T}$$

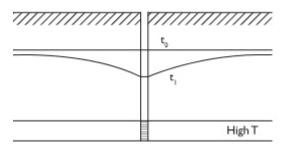
Parameters

- s' is potential drawdown impact (m)
- r is distance from the pumping bore (m)
- S is aquifer storativity
- T is transmissivity (m²/day)
- t is time since pumping began (days)
- **Q** is the pumping rate (m³/day)

Theis equation: transmissivity

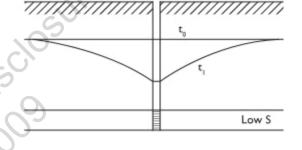
- The rate of water movement across the entire saturated thickness of aquifer.
- Average transmissivity of 200m²/day has been chosen, based on pump test data and model calibration (Free, 1986; DSITI 2015; M Gallagher pers comms 2018).



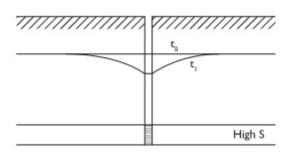


Theis equation: storativity

 The volume of water that an aquifer will store or release from storage as changes occur in hydraulic head.



 A storativity of 0.001 has been chosen for the Border Rivers Alluvium based on pump test data and model calibration (Free, 1986; DSITI 2015; M Gallagher pers comms 2018).



Theis equation: pumping rate

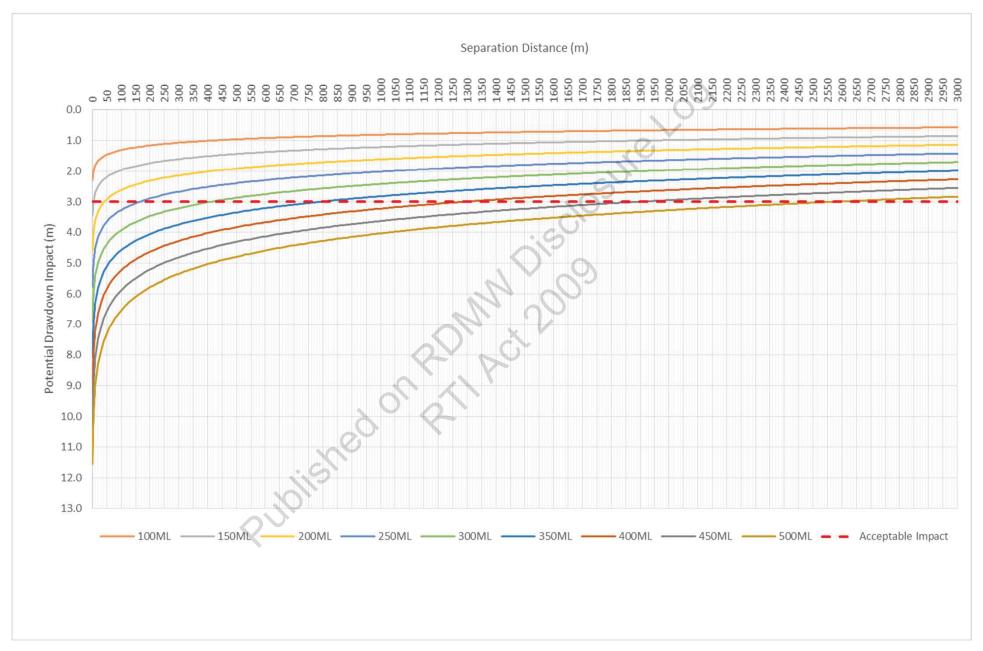
- The rate at which water is pumped or extracted from the aquifer.
- For the Border Rivers Alluvium, the pumping rate has been calculated as—
 - For an entitlement in BRM01 (urban) or BRM02 (variable announcement): the volumetric limit over 365 days.
 - For an entitlement in BRM03 (fixed announcement): the nominal volume over 365 days
 - For a seasonal water assignment: the maximum permitted volume over 365 days

Theis equation: pumping duration

- The time since water began to be pumped or extracted from the aquifer.
- For the Border Rivers Alluvium, the pumping duration is set at 10 years.
- Consistent with approach used by NSW

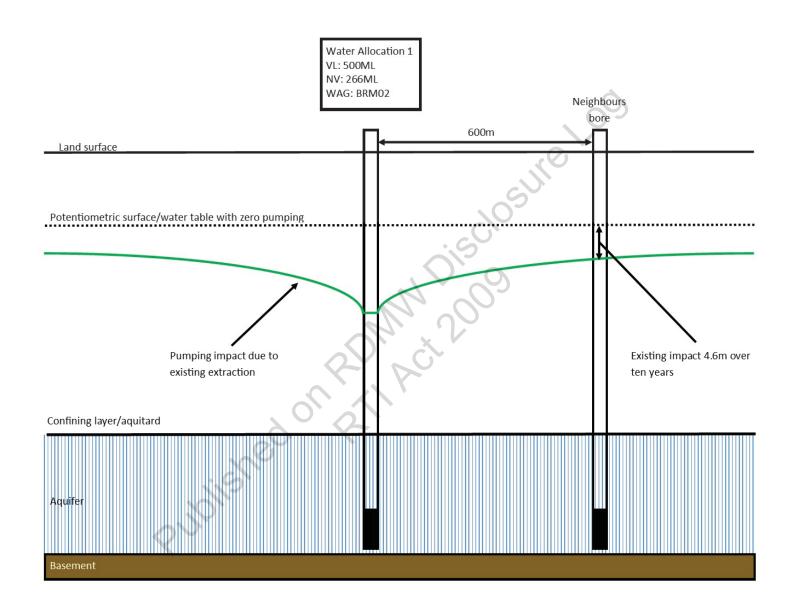
Volume-Separation Distance

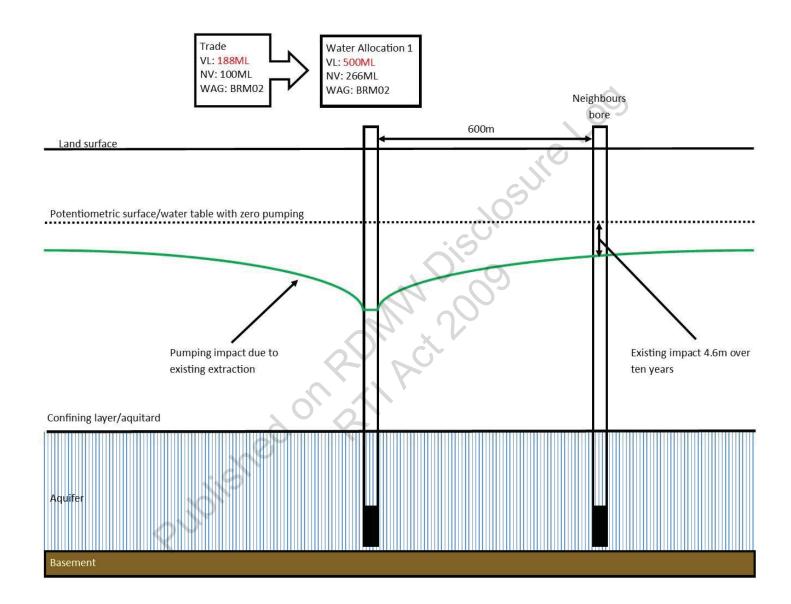
		Proposed trade volume (megalitres per year)																		
	2	О	10	25	75	100	125	150	200	250	300	350	400	450	500	600	700	800	900	1000
Separation Distance (m)	1						3.0	5	42	165	412	793	1,296	1,900	2,582	4,092	5,695	7,308	8,890	10,410

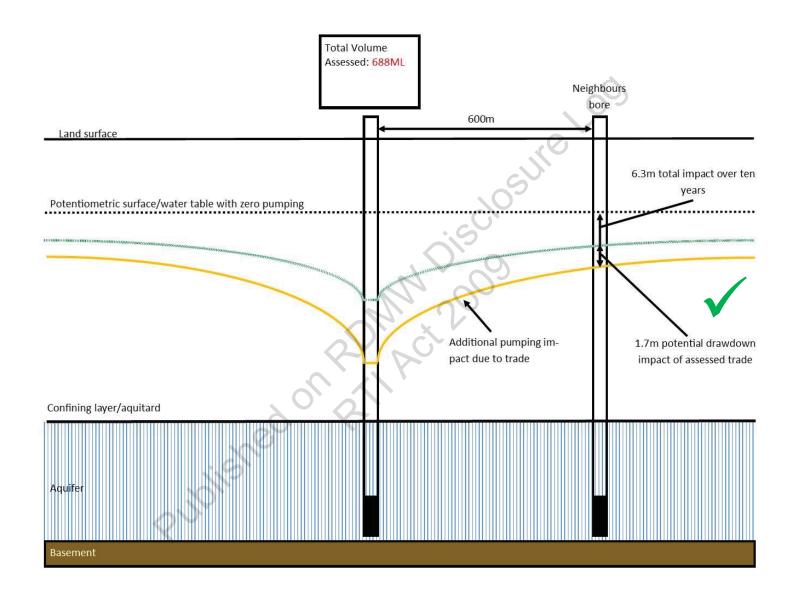


Impact assessment: Example 1

- User currently has water allocation with volumetric limit of 500ML, nominal volume of 266ML in water allocation group BRM02.
- Requires an additional 100ML/y over the long term, therefore purchases 188ML volumetric limit from another user in BRM02 (refer to Announced Allocation rules).
- Potential drawdown impact assessed based on VL given potential for BRM02 to access up to this volume (subject to announced allocations).







Conclusion

- The proposed approach provides for equity in impact assessment
- This approach only looks at the drawdown impact of traded additional water
- Total combined volume (i.e. impact of existing entitlement and traded water) is not assessed

Minimum separation distance (kilometres)

Groundwater Subarea		Proposed take of water (megalitres per year)													
	<2	5	10	25	75	100	125	250	350	450	750	1500	2500	3500	4500
Border Rivers Alluvium	-	-	-	-	-	-	-	0.17	0.8	1.9	6.5	16.95	25.86	31.58	35.54
(deep)										(0)					
Oakey and Dalrymple	-	-	-	-	0.02	0.06	0.1	0.41	0.62	0.78	1.13	1.54	1.76	1.87	1.94
Cunningham and CCA	-	-	-	-	-	0.007	0.02	0.21	0.40	0.58	1.01	1.61	1.99	2.19	2.31
Published on Ralling Published															

Distance (m)	2.000	5.000	10.000	25.000	75.000	100.000	125.000	250.000	350.000	450.000	750.000	1500.000	2500.000	3500.000	4500.000
1	0.046	0.116	0.231	0.578	1.734	2.311	2.889	5.778	8.090	10.401	17.335	34.670	57.784	80.897	104.011
2	0.043	0.108	0.216	0.540	1.620	2.160	2.700	5.401	7.561	9.722	16.203	32.405	54.008	75.612	97.215
3	0.041	0.104	0.207	0.518	1.554	2.072	2.590	5.180	7.252	9.324	15.540	31.080	51.800	72.520	93.240
4	0.040	0.100	0.201	0.502	1.507	2.009	2.512	5.023	7.033	9.042	15.070	30.140	50.233	70.326	90.420
5	0.039	0.098	0.196	0.490	1.471	1.961	2.451	4.902	6.862	8.823	14.705	29.411	49.018	68.625	88.232
6	0.038	0.096	0.192	0.480	1.441	1.921	2.401	4.802	6.723	8.644	14.407	28.815	48.025	67.234	86.444
7	0.038	0.094	0.189	0.472	1.416	1.887	2.359	4.718	6.606	8.493	14.155	28.311	47.185	66.059	84.933
8	0.037	0.093	0.186	0.465	1.394	1.858	2.323	4.646	6.504	8.362	13.937	27.875	46.458	65.041	83.624
9	0.037	0.092	0.183	0.458	1.374	1.833	2.291	4.582	6.414	8.247	13.745	27.490	45.816	64.143	82.469
10	0.036	0.090	0.181	0.452	1.357	1.810	2.262	4.524	6.334	8.144	13.573	27.145	45.242	63.339	81.436
20	0.033	0.083	0.166	0.415	1.244	1.659	2.073	4.147	5.805	7.464	12.440	24.880	41.467	58.054	74.640
30	0.031	0.079	0.157	0.393	1.178	1.570	1.963	3.926	5.496	7.066	11.777	23.555	39.258	54.962	70.665
40	0.030	0.075	0.151	0.377	1.131	1.508	1.885	3.769	5.277	6.784	11.307	22.615	37.691	52.768	67.844
50	0.029	0.073	0.146	0.365	1.094	1.459	1.824	3.648	5.107	6.566	10.943	21.886	36.476	51.066	65.657
60	0.028	0.071	0.142	0.355	1.064	1.419	1.774	3.548	4.968	6.387	10.645	21.290	35.483	49.676	63.869
70	0.028	0.069	0.139	0.346	1.039	1.386	1.732	3.464	4.850	6.236	10.393	20.786	34.643	48.501	62.358
80	0.027	0.068	0.136	0.339	1.017	1.357	1.696	3.392	4.748	6.105	10.175	20.350	33.916	47.482	61.049
90	0.027	0.067	0.133	0.333	0.998	1.331	1.664	3.327	4.658	5.989	9.982	19.965	33.274	46.584	59.894
100	0.026	0.065	0.131	0.327	0.981	1.308	1.635	3.270	4.578	5.886	9.810	19.620	32.701	45.781	58.861
110	0.026	0.064	0.129	0.322	0.965	1.287	1.609	3.218	4.505	5.793	9.654	19.309	32.181	45.054	57.927
120	0.025	0.063	0.127	0.317	0.951	1.268	1.585	3.171	4.439	5.707	9.512	19.024	31.707	44.390	57.073
130	0.025	0.063	0.125	0.313	0.938	1.251	1.564	3.127	4.378	5.629	9.381	18.763	31.272	43.780	56.289
140	0.025	0.062	0.123	0.309	0.926	1.235	1.543	3.087	4.322	5.556	9.260	18.521	30.868	43.215	55.562
150	0.024	0.061	0.122	0.305	0.915	1.220	1.525	3.049	4.269	5.489	9.148	18.295	30.492	42.689	54.886
160	0.024	0.060	0.121	0.301	0.904	1.206	1.507	3.014	4.220	5.425	9.042	18.084	30.141	42.197	54.253
170	0.024	0.060	0.119	0.298	0.894	1.192	1.491	2.981	4.173	5.366	8.943	17.886	29.810	41.735	53.659
180	0.024	0.059	0.118	0.295	0.885	1.180	1.475	2.950	4.130	5.310	8.850	17.699	29.499	41.299	53.098
190	0.023	0.058	0.117	0.292	0.876	1.168	1.460	2.920	4.089	5.257	8.761	17.523	29.205	40.886	52.568
200	0.023	0.058	0.116	0.289	0.868	1.157	1.446	2.893	4.050	5.207	8.678	17.355	28.925	40.495	52.065

210	0.023	0.057	0.115	0.287	0.860	1.146	1.433	2.866	4.012	5.159	8.598	17.196	28.659	40.123	51.587
220	0.023	0.057	0.114	0.284	0.852	1.136	1.420	2.841	3.977	5.113	8.522	17.044	28.406	39.768	51.131
230	0.023	0.056	0.113	0.282	0.845	1.127	1.408	2.816	3.943	5.070	8.449	16.898	28.164	39.429	50.695
240	0.022	0.056	0.112	0.279	0.838	1.117	1.397	2.793	3.910	5.028	8.380	16.759	27.932	39.105	50.278
250	0.022	0.055	0.111	0.277	0.831	1.108	1.385	2.771	3.879	4.988	8.313	16.626	27.710	38.794	49.878
260	0.022	0.055	0.110	0.275	0.825	1.100	1.375	2.750	3.849	4.949	8.249	16.498	27.496	38.495	49.493
270	0.022	0.055	0.109	0.273	0.819	1.092	1.365	2.729	3.821	4.912	8.187	16.374	27.291	38.207	49.123
280	0.022	0.054	0.108	0.271	0.813	1.084	1.355	2.709	3.793	4.877	8.128	16.256	27.093	37.930	48.767
290	0.022	0.054	0.108	0.269	0.807	1.076	1.345	2.690	3.766	4.842	8.070	16.141	26.901	37.662	48.422
300	0.021	0.053	0.107	0.267	0.802	1.069	1.336	2.672	3.740	4.809	8.015	16.030	26.717	37.403	48.090
310	0.021	0.053	0.106	0.265	0.796	1.062	1.327	2.654	3.715	4.777	7.961	15.923	26.538	37.153	47.769
320	0.021	0.053	0.105	0.264	0.791	1.055	1.318	2.637	3.691	4.746	7.910	15.819	26.365	36.911	47.457
330	0.021	0.052	0.105	0.262	0.786	1.048	1.310	2.620	3.668	4.716	7.859	15.719	26.198	36.677	47.156
340	0.021	0.052	0.104	0.260	0.781	1.041	1.302	2.604	3.645	4.686	7.811	15.621	26.035	36.449	46.863
350	0.021	0.052	0.104	0.259	0.776	1.035	1.294	2.588	3.623	4.658	7.763	15.526	25.877	36.228	46.579
360	0.021	0.051	0.103	0.257	0.772	1.029	1.286	2.572	3.601	4.630	7.717	15.434	25.724	36.013	46.303
370	0.020	0.051	0.102	0.256	0.767	1.023	1.279	2.557	3.580	4.603	7.672	15.345	25.574	35.804	46.034
380	0.020	0.051	0.102	0.254	0.763	1.017	1.271	2.543	3.560	4.577	7.629	15.258	25.429	35.601	45.773
390	0.020	0.051	0.101	0.253	0.759	1.012	1.264	2.529	3.540	4.552	7.586	15.173	25.288	35.403	45.518
400	0.020	0.050	0.101	0.251	0.754	1.006	1.257	2.515	3.521	4.527	7.545	15.090	25.150	35.210	45.270
410	0.020	0.050	0.100	0.250	0.750	1.001	1.251	2.502	3.502	4.503	7.505	15.009	25.015	35.022	45.028
420	0.020	0.050	0.100	0.249	0.747	0.995	1.244	2.488	3.484	4.479	7.465	14.930	24.884	34.838	44.791
430	0.020	0.050	0.099	0.248	0.743	0.990	1.238	2.476	3.466	4.456	7.427	14.854	24.756	34.658	44.561
440	0.020	0.049	0.099	0.246	0.739	0.985	1.232	2.463	3.448	4.434	7.389	14.778	24.631	34.483	44.335
450	0.020	0.049	0.098	0.245	0.735	0.980	1.225	2.451	3.431	4.412	7.353	14.705	24.508	34.312	44.115
460	0.020	0.049	0.098	0.244	0.732	0.976	1.219	2.439	3.414	4.390	7.317	14.633	24.389	34.144	43.900
470	0.019	0.049	0.097	0.243	0.728	0.971	1.214	2.427	3.398	4.369	7.281	14.563	24.272	33.980	43.689
480	0.019	0.048	0.097	0.242	0.725	0.966	1.208	2.416	3.382	4.348	7.247	14.494	24.157	33.820	43.482
490	0.019	0.048	0.096	0.240	0.721	0.962	1.202	2.404	3.366	4.328	7.213	14.427	24.045	33.662	43.280
500	0.019	0.048	0.096	0.239	0.718	0.957	1.197	2.393	3.351	4.308	7.180	14.361	23.935	33.508	43.082

E 4 0	0.610	0.010	0.00=	0.000	0 = 1 =	0.050	4 404	0.000	2 22 5	4.000	7.4.0	44.000	22 22-	22 2	40.000
510	0.019	0.048	0.095	0.238	0.715	0.953	1.191	2.383	3.336	4.289	7.148	14.296	23.827	33.357	42.888
520	0.019	0.047	0.095	0.237	0.712	0.949	1.186	2.372	3.321	4.270	7.116	14.233	23.721	33.209	42.698
530	0.019	0.047	0.094	0.236	0.709	0.945	1.181	2.362	3.306	4.251	7.085	14.170	23.617	33.064	42.511
540	0.019	0.047	0.094	0.235	0.705	0.941	1.176	2.352	3.292	4.233	7.055	14.109	23.515	32.922	42.328
550	0.019	0.047	0.094	0.234	0.702	0.937	1.171	2.342	3.278	4.215	7.025	14.049	23.415	32.782	42.148
560	0.019	0.047	0.093	0.233	0.700	0.933	1.166	2.332	3.264	4.197	6.995	13.990	23.317	32.644	41.971
570	0.019	0.046	0.093	0.232	0.697	0.929	1.161	2.322	3.251	4.180	6.966	13.933	23.221	32.509	41.798
580	0.019	0.046	0.093	0.231	0.694	0.925	1.156	2.313	3.238	4.163	6.938	13.876	23.126	32.377	41.627
590	0.018	0.046	0.092	0.230	0.691	0.921	1.152	2.303	3.225	4.146	6.910	13.820	23.033	32.246	41.460
600	0.018	0.046	0.092	0.229	0.688	0.918	1.147	2.294	3.212	4.129	6.882	13.765	22.942	32.118	41.295
610	0.018	0.046	0.091	0.229	0.686	0.914	1.143	2.285	3.199	4.113	6.855	13.711	22.852	31.992	41.133
620	0.018	0.046	0.091	0.228	0.683	0.911	1.138	2.276	3.187	4.097	6.829	13.658	22.763	31.868	40.973
630	0.018	0.045	0.091	0.227	0.680	0.907	1.134	2.268	3.175	4.082	6.803	13.606	22.676	31.746	40.817
640	0.018	0.045	0.090	0.226	0.678	0.904	1.130	2.259	3.163	4.066	6.777	13.554	22.590	31.626	40.662
650	0.018	0.045	0.090	0.225	0.675	0.900	1.125	2.251	3.151	4.051	6.752	13.503	22.506	31.508	40.510
660	0.018	0.045	0.090	0.224	0.673	0.897	1.121	2.242	3.139	4.036	6.727	13.453	22.422	31.391	40.360
670	0.018	0.045	0.089	0.223	0.670	0.894	1.117	2.234	3.128	4.021	6.702	13.404	22.341	31.277	40.213
680	0.018	0.045	0.089	0.223	0.668	0.890	1.113	2.226	3.116	4.007	6.678	13.356	22.260	31.164	40.068
690	0.018	0.044	0.089	0.222	0.665	0.887	1.109	2.218	3.105	3.992	6.654	13.308	22.180	31.053	39.925
700	0.018	0.044	0.088	0.221	0.663	0.884	1.105	2.210	3.094	3.978	6.631	13.261	22.102	30.943	39.784
710	0.018	0.044	0.088	0.220	0.661	0.881	1.101	2.202	3.083	3.964	6.607	13.215	22.025	30.835	39.645
720	0.018	0.044	0.088	0.219	0.658	0.878	1.097	2.195	3.073	3.951	6.585	13.169	21.949	30.728	39.508
730	0.017	0.044	0.087	0.219	0.656	0.875	1.094	2.187	3.062	3.937	6.562	13.124	21.874	30.623	39.372
740	0.017	0.044	0.087	0.218	0.654	0.872	1.090	2.180	3.052	3.924	6.540	13.080	21.799	30.519	39.239
750	0.017	0.043	0.087	0.217	0.652	0.869	1.086	2.173	3.042	3.911	6.518	13.036	21.726	30.417	39.107
760	0.017	0.043	0.087	0.217	0.650	0.866	1.083	2.165	3.032	3.898	6.496	12.993	21.654	30.316	38.978
770	0.017	0.043	0.086	0.216	0.647	0.863	1.079	2.158	3.022	3.885	6.475	12.950	21.583	30.216	38.849
780	0.017	0.043	0.086	0.215	0.645	0.861	1.076	2.151	3.012	3.872	6.454	12.908	21.513	30.118	38.723
790	0.017	0.043	0.086	0.214	0.643	0.858	1.072	2.144	3.002	3.860	6.433	12.866	21.443	30.021	38.598
800	0.017	0.043	0.085	0.214	0.641	0.855	1.069	2.137	2.992	3.847	6.412	12.825	21.375	29.925	38.475

0.017	0.043	0.085	0 213	0.639	0.852	1 065	2 131	2 983	3 835	6 392	12 78 <i>4</i>	21 307	29 830	38.353
														38.233
														38.114
														37.997
														37.881
														37.766
									/1					37.653
														37.541
								5						37.430
														37.320
														37.212
														37.105
														36.999
														36.894
														36.790
														36.688
														36.586
	0.041		0.203											36.486
0.016	0.040	0.081	0.202	0.606	0.809	1.011		2.830	3.639	6.064				36.386
0.016	0.040	0.081	0.202	0.605	0.806	1.008	2.016	2.822	3.629	6.048	12.096	20.160	28.224	36.288
0.016	0.040	0.080	0.201	0.603	0.804	1.005	2.011	2.815	3.619	6.032	12.063	20.106	28.148	36.190
0.016	0.040	0.080	0.201	0.602	0.802	1.003	2.005	2.807	3.609	6.016	12.031	20.052	28.073	36.094
0.016	0.040	0.080	0.200	0.600	0.800	1.000	2.000	2.800	3.600	6.000	11.999	19.999	27.998	35.998
0.016	0.040	0.080	0.199	0.598	0.798	0.997	1.995	2.792	3.590	5.984	11.968	19.946	27.925	35.903
0.016	0.040	0.080	0.199	0.597	0.796	0.995	1.989	2.785	3.581	5.968	11.936	19.894	27.852	35.809
0.016	0.040	0.079	0.198	0.595	0.794	0.992	1.984	2.778	3.572	5.953	11.906	19.843	27.780	35.717
0.016	0.040	0.079	0.198	0.594	0.792	0.990	1.979	2.771	3.562	5.937	11.875	19.791	27.708	35.625
0.016	0.039	0.079	0.197	0.592	0.790	0.987	1.974	2.764	3.553	5.922	11.844	19.741	27.637	35.533
0.016	0.039	0.079	0.197	0.591	0.788	0.985	1.969	2.757	3.544	5.907	11.814	19.691	27.567	35.443
0.016	0.039	0.079	0.196	0.589	0.786	0.982	1.964	2.750	3.535	5.892	11.785	19.641	27.497	35.354
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1110	0.016	0.039	0.078	0.196	0.588	0.784	0.980	1.959	2.743	3.526	5.877	11.755	19.592	27.428	35.265
1120	0.016	0.039	0.078	0.195	0.586	0.782	0.977	1.954	2.736	3.518	5.863	11.726	19.543	27.360	35.177
1130	0.016	0.039	0.078	0.195	0.585	0.780	0.975	1.949	2.729	3.509	5.848	11.697	19.494	27.292	35.090
1140	0.016	0.039	0.078	0.194	0.583	0.778	0.972	1.945	2.722	3.500	5.834	11.668	19.446	27.225	35.004
1150	0.016	0.039	0.078	0.194	0.582	0.776	0.970	1.940	2.716	3.492	5.820	11.639	19.399	27.158	34.918
1160	0.015	0.039	0.077	0.194	0.581	0.774	0.968	1.935	2.709	3.483	5.806	11.611	19.352	27.092	34.833
1170	0.015	0.039	0.077	0.193	0.579	0.772	0.965	1.930	2.703	3.475	5.791	11.583	19.305	27.027	34.749
1180	0.015	0.039	0.077	0.193	0.578	0.770	0.963	1.926	2.696	3.467	5.778	11.555	19.259	26.962	34.666
1190	0.015	0.038	0.077	0.192	0.576	0.769	0.961	1.921	2.690	3.458	5.764	11.528	19.213	26.898	34.583
1200	0.015	0.038	0.077	0.192	0.575	0.767	0.958	1.917	2.683	3.450	5.750	11.500	19.167	26.834	34.501
1210	0.015	0.038	0.076	0.191	0.574	0.765	0.956	1.912	2.677	3.442	5.737	11.473	19.122	26.771	34.420
1220	0.015	0.038	0.076	0.191	0.572	0.763	0.954	1.908	2.671	3.434	5.723	11.446	19.077	26.708	34.339
1230	0.015	0.038	0.076	0.190	0.571	0.761	0.952	1.903	2.665	3.426	5.710	11.420	19.033	26.646	34.259
1240	0.015	0.038	0.076	0.190	0.570	0.760	0.949	1.899	2.658	3.418	5.697	11.393	18.989	26.584	34.180
1250	0.015	0.038	0.076	0.189	0.568	0.758	0.947	1.894	2.652	3.410	5.683	11.367	18.945	26.523	34.101
1260	0.015	0.038	0.076	0.189	0.567	0.756	0.945	1.890	2.646	3.402	5.670	11.341	18.902	26.462	34.023
1270	0.015	0.038	0.075	0.189	0.566	0.754	0.943	1.886	2.640	3.395	5.658	11.315	18.859	26.402	33.945
1280	0.015	0.038	0.075	0.188	0.564	0.753	0.941	1.882	2.634	3.387	5.645	11.289	18.816	26.342	33.868
1290	0.015	0.038	0.075	0.188	0.563	0.751	0.939	1.877	2.628	3.379	5.632	11.264	18.773	26.283	33.792
1300	0.015	0.037	0.075	0.187	0.562	0.749	0.937	1.873	2.622	3.372	5.619	11.239	18.731	26.224	33.717
1310	0.015	0.037	0.075	0.187	0.561	0.748	0.934	1.869	2.617	3.364	5.607	11.214	18.690	26.166	33.641
1320	0.015	0.037	0.075	0.186	0.559	0.746	0.932	1.865	2.611	3.357	5.594	11.189	18.648	26.108	33.567
1330	0.015	0.037	0.074	0.186	0.558	0.744	0.930	1.861	2.605	3.349	5.582	11.164	18.607	26.050	33.493
1340	0.015	0.037	0.074	0.186	0.557	0.743	0.928	1.857	2.599	3.342	5.570	11.140	18.566	25.993	33.420
1350	0.015	0.037	0.074	0.185	0.556	0.741	0.926	1.853	2.594	3.335	5.558	11.116	18.526	25.936	33.347
1360	0.015	0.037	0.074	0.185	0.555	0.739	0.924	1.849	2.588	3.327	5.546	11.091	18.486	25.880	33.274
1370	0.015	0.037	0.074	0.184	0.553	0.738	0.922	1.845	2.582	3.320	5.534	11.068	18.446	25.824	33.203
1380	0.015	0.037	0.074	0.184	0.552	0.736	0.920	1.841	2.577	3.313	5.522	11.044	18.406	25.769	33.131
1390	0.015	0.037	0.073	0.184	0.551	0.735	0.918	1.837	2.571	3.306	5.510	11.020	18.367	25.714	33.061
1400	0.015	0.037	0.073	0.183	0.550	0.733	0.916	1.833	2.566	3.299	5.498	10.997	18.328	25.659	32.990

1410	0.015	0.037	0.073	0.183	0.549	0.732	0.914	1.829	2.560	3.292	5.487	10.974	18.289	25.605	32.921
1420	0.015	0.037	0.073	0.183	0.548	0.730	0.913	1.825	2.555	3.285	5.475	10.950	18.251	25.551	32.851
1430	0.015	0.036	0.073	0.182	0.546	0.729	0.911	1.821	2.550	3.278	5.464	10.928	18.213	25.498	32.783
1440	0.015	0.036	0.073	0.182	0.545	0.727	0.909	1.817	2.544	3.271	5.452	10.905	18.175	25.445	32.714
1450	0.015	0.036	0.073	0.181	0.544	0.725	0.907	1.814	2.539	3.265	5.441	10.882	18.137	25.392	32.647
1460	0.014	0.036	0.072	0.181	0.543	0.724	0.905	1.810	2.534	3.258	5.430	10.860	18.100	25.339	32.579
1470	0.014	0.036	0.072	0.181	0.542	0.722	0.903	1.806	2.529	3.251	5.419	10.837	18.062	25.287	32.512
1480	0.014	0.036	0.072	0.180	0.541	0.721	0.901	1.803	2.524	3.245	5.408	10.815	18.026	25.236	32.446
1490	0.014	0.036	0.072	0.180	0.540	0.720	0.899	1.799	2.518	3.238	5.397	10.793	17.989	25.184	32.380
1500	0.014	0.036	0.072	0.180	0.539	0.718	0.898	1.795	2.513	3.231	5.386	10.771	17.952	25.133	32.314
1510	0.014	0.036	0.072	0.179	0.537	0.717	0.896	1.792	2.508	3.225	5.375	10.750	17.916	25.083	32.249
1520	0.014	0.036	0.072	0.179	0.536	0.715	0.894	1.788	2.503	3.218	5.364	10.728	17.880	25.033	32.185
1530	0.014	0.036	0.071	0.178	0.535	0.714	0.892	1.784	2.498	3.212	5.353	10.707	17.845	24.983	32.120
1540	0.014	0.036	0.071	0.178	0.534	0.712	0.890	1.781	2.493	3.206	5.343	10.686	17.809	24.933	32.057
1550	0.014	0.036	0.071	0.178	0.533	0.711	0.889	1.777	2.488	3.199	5.332	10.664	17.774	24.884	31.993
1560	0.014	0.035	0.071	0.177	0.532	0.710	0.887	1.774	2.483	3.193	5.322	10.643	17.739	24.835	31.930
1570	0.014	0.035	0.071	0.177	0.531	0.708	0.885	1.770	2.479	3.187	5.311	10.623	17.704	24.786	31.868
1580	0.014	0.035	0.071	0.177	0.530	0.707	0.883	1.767	2.474	3.181	5.301	10.602	17.670	24.738	31.805
1590	0.014	0.035	0.071	0.176	0.529	0.705	0.882	1.764	2.469	3.174	5.291	10.581	17.635	24.690	31.744
1600	0.014	0.035	0.070	0.176	0.528	0.704	0.880	1.760	2.464	3.168	5.280	10.561	17.601	24.642	31.682
1610	0.014	0.035	0.070	0.176	0.527	0.703	0.878	1.757	2.459	3.162	5.270	10.540	17.567	24.594	31.621
1620	0.014	0.035	0.070	0.175	0.526	0.701	0.877	1.753	2.455	3.156	5.260	10.520	17.534	24.547	31.561
1630	0.014	0.035	0.070	0.175	0.525	0.700	0.875	1.750	2.450	3.150	5.250	10.500	17.500	24.500	31.500
1640	0.014	0.035	0.070	0.175	0.524	0.699	0.873	1.747	2.445	3.144	5.240	10.480	17.467	24.454	31.440
1650	0.014	0.035	0.070	0.174	0.523	0.697	0.872	1.743	2.441	3.138	5.230	10.460	17.434	24.407	31.381
1660	0.014	0.035	0.070	0.174	0.522	0.696	0.870	1.740	2.436	3.132	5.220	10.441	17.401	24.361	31.322
1670	0.014	0.035	0.069	0.174	0.521	0.695	0.868	1.737	2.432	3.126	5.210	10.421	17.368	24.316	31.263
1680	0.014	0.035	0.069	0.173	0.520	0.693	0.867	1.734	2.427	3.120	5.201	10.401	17.336	24.270	31.204
1690	0.014	0.035	0.069	0.173	0.519	0.692	0.865	1.730	2.422	3.115	5.191	10.382	17.303	24.225	31.146
1700	0.014	0.035	0.069	0.173	0.518	0.691	0.864	1.727	2.418	3.109	5.181	10.363	17.271	24.180	31.088

1710	0.014	0.034	0.069	0.172	0.517	0.690	0.862	1.724	2.414	3.103	5.172	10.344	17.239	24.135	31.031
1720	0.014	0.034	0.069	0.172	0.516	0.688	0.860	1.721	2.409	3.097	5.162	10.325	17.208	24.091	30.974
1730	0.014	0.034	0.069	0.172	0.515	0.687	0.859	1.718	2.405	3.092	5.153	10.306	17.176	24.047	30.917
1740	0.014	0.034	0.069	0.171	0.514	0.686	0.857	1.714	2.400	3.086	5.143	10.287	17.145	24.003	30.861
1750	0.014	0.034	0.068	0.171	0.513	0.685	0.856	1.711	2.396	3.080	5.134	10.268	17.114	23.959	30.805
1760	0.014	0.034	0.068	0.171	0.512	0.683	0.854	1.708	2.392	3.075	5.125	10.250	17.083	23.916	30.749
1770	0.014	0.034	0.068	0.171	0.512	0.682	0.853	1.705	2.387	3.069	5.116	10.231	17.052	23.873	30.693
1780	0.014	0.034	0.068	0.170	0.511	0.681	0.851	1.702	2.383	3.064	5.106	10.213	17.021	23.830	30.638
1790	0.014	0.034	0.068	0.170	0.510	0.680	0.850	1.699	2.379	3.058	5.097	10.194	16.991	23.787	30.583
1800	0.014	0.034	0.068	0.170	0.509	0.678	0.848	1.696	2.374	3.053	5.088	10.176	16.960	23.744	30.529
1810	0.014	0.034	0.068	0.169	0.508	0.677	0.847	1.693	2.370	3.047	5.079	10.158	16.930	23.702	30.474
1820	0.014	0.034	0.068	0.169	0.507	0.676	0.845	1.690	2.366	3.042	5.070	10.140	16.900	23.660	30.420
1830	0.013	0.034	0.067	0.169	0.506	0.675	0.844	1.687	2.362	3.037	5.061	10.122	16.870	23.619	30.367
1840	0.013	0.034	0.067	0.168	0.505	0.674	0.842	1.684	2.358	3.031	5.052	10.104	16.841	23.577	30.313
1850	0.013	0.034	0.067	0.168	0.504	0.672	0.841	1.681	2.354	3.026	5.043	10.087	16.811	23.536	30.260
1860	0.013	0.034	0.067	0.168	0.503	0.671	0.839	1.678	2.349	3.021	5.035	10.069	16.782	23.495	30.208
1870	0.013	0.034	0.067	0.168	0.503	0.670	0.838	1.675	2.345	3.016	5.026	10.052	16.753	23.454	30.155
1880	0.013	0.033	0.067	0.167	0.502	0.669	0.836	1.672	2.341	3.010	5.017	10.034	16.724	23.413	30.103
1890	0.013	0.033	0.067	0.167	0.501	0.668	0.835	1.669	2.337	3.005	5.008	10.017	16.695	23.373	30.051
1900	0.013	0.033	0.067	0.167	0.500	0.667	0.833	1.667	2.333	3.000	5.000	10.000	16.666	23.333	29.999
1910	0.013	0.033	0.067	0.166	0.499	0.666	0.832	1.664	2.329	2.995	4.991	9.983	16.638	23.293	29.948
1920	0.013	0.033	0.066	0.166	0.498	0.664	0.830	1.661	2.325	2.990	4.983	9.966	16.609	23.253	29.897
1930	0.013	0.033	0.066	0.166	0.497	0.663	0.829	1.658	2.321	2.985	4.974	9.949	16.581	23.213	29.846
1940	0.013	0.033	0.066	0.166	0.497	0.662	0.828	1.655	2.317	2.980	4.966	9.932	16.553	23.174	29.795
1950	0.013	0.033	0.066	0.165	0.496	0.661	0.826	1.652	2.313	2.974	4.957	9.915	16.525	23.135	29.745
1960	0.013	0.033	0.066	0.165	0.495	0.660	0.825	1.650	2.310	2.969	4.949	9.898	16.497	23.096	29.695
1970	0.013	0.033	0.066	0.165	0.494	0.659	0.823	1.647	2.306	2.964	4.941	9.882	16.469	23.057	29.645
1980	0.013	0.033	0.066	0.164	0.493	0.658	0.822	1.644	2.302	2.960	4.933	9.865	16.442	23.019	29.595
1990	0.013	0.033	0.066	0.164	0.492	0.657	0.821	1.641	2.298	2.955	4.924	9.849	16.414	22.980	29.546
2000	0.013	0.033	0.066	0.164	0.492	0.655	0.819	1.639	2.294	2.950	4.916	9.832	16.387	22.942	29.497

2010	0.013	0.033	0.065	0.164	0.491	0.654	0.818	1.636	2.290	2.945	4.908	9.816	16.360	22.904	29.448
2020	0.013	0.033	0.065	0.163	0.490	0.653	0.817	1.633	2.287	2.940	4.900	9.800	16.333	22.866	29.400
2030	0.013	0.033	0.065	0.163	0.489	0.652	0.815	1.631	2.283	2.935	4.892	9.784	16.306	22.829	29.351
2040	0.013	0.033	0.065	0.163	0.488	0.651	0.814	1.628	2.279	2.930	4.884	9.768	16.279	22.791	29.303
2050	0.013	0.033	0.065	0.163	0.488	0.650	0.813	1.625	2.275	2.926	4.876	9.752	16.253	22.754	29.255
2060	0.013	0.032	0.065	0.162	0.487	0.649	0.811	1.623	2.272	2.921	4.868	9.736	16.226	22.717	29.208
2070	0.013	0.032	0.065	0.162	0.486	0.648	0.810	1.620	2.268	2.916	4.860	9.720	16.200	22.680	29.160
2080	0.013	0.032	0.065	0.162	0.485	0.647	0.809	1.617	2.264	2.911	4.852	9.704	16.174	22.643	29.113
2090	0.013	0.032	0.065	0.161	0.484	0.646	0.807	1.615	2.261	2.907	4.844	9.689	16.148	22.607	29.066
2100	0.013	0.032	0.064	0.161	0.484	0.645	0.806	1.612	2.257	2.902	4.837	9.673	16.122	22.571	29.019
2110	0.013	0.032	0.064	0.161	0.483	0.644	0.805	1.610	2.253	2.897	4.829	9.658	16.096	22.534	28.973
2120	0.013	0.032	0.064	0.161	0.482	0.643	0.804	1.607	2.250	2.893	4.821	9.642	16.070	22.498	28.926
2130	0.013	0.032	0.064	0.160	0.481	0.642	0.802	1.604	2.246	2.888	4.813	9.627	16.045	22.463	28.880
2140	0.013	0.032	0.064	0.160	0.481	0.641	0.801	1.602	2.243	2.883	4.806	9.612	16.019	22.427	28.835
2150	0.013	0.032	0.064	0.160	0.480	0.640	0.800	1.599	2.239	2.879	4.798	9.596	15.994	22.391	28.789
2160	0.013	0.032	0.064	0.160	0.479	0.639	0.798	1.597	2.236	2.874	4.791	9.581	15.969	22.356	28.743
2170	0.013	0.032	0.064	0.159	0.478	0.638	0.797	1.594	2.232	2.870	4.783	9.566	15.943	22.321	28.698
2180	0.013	0.032	0.064	0.159	0.478	0.637	0.796	1.592	2.229	2.865	4.776	9.551	15.918	22.286	28.653
2190	0.013	0.032	0.064	0.159	0.477	0.636	0.795	1.589	2.225	2.861	4.768	9.536	15.894	22.251	28.608
2200	0.013	0.032	0.063	0.159	0.476	0.635	0.793	1.587	2.222	2.856	4.761	9.521	15.869	22.216	28.564
2210	0.013	0.032	0.063	0.158	0.475	0.634	0.792	1.584	2.218	2.852	4.753	9.506	15.844	22.182	28.519
2220	0.013	0.032	0.063	0.158	0.475	0.633	0.791	1.582	2.215	2.848	4.746	9.492	15.820	22.147	28.475
2230	0.013	0.032	0.063	0.158	0.474	0.632	0.790	1.580	2.211	2.843	4.739	9.477	15.795	22.113	28.431
2240	0.013	0.032	0.063	0.158	0.473	0.631	0.789	1.577	2.208	2.839	4.731	9.463	15.771	22.079	28.388
2250	0.013	0.031	0.063	0.157	0.472	0.630	0.787	1.575	2.205	2.834	4.724	9.448	15.747	22.045	28.344
2260	0.013	0.031	0.063	0.157	0.472	0.629	0.786	1.572	2.201	2.830	4.717	9.434	15.723	22.012	28.301
2270	0.013	0.031	0.063	0.157	0.471	0.628	0.785	1.570	2.198	2.826	4.710	9.419	15.699	21.978	28.257
2280	0.013	0.031	0.063	0.157	0.470	0.627	0.784	1.567	2.194	2.821	4.702	9.405	15.675	21.944	28.214
2290	0.013	0.031	0.063	0.157	0.470	0.626	0.783	1.565	2.191	2.817	4.695	9.390	15.651	21.911	28.171
2300	0.013	0.031	0.063	0.156	0.469	0.625	0.781	1.563	2.188	2.813	4.688	9.376	15.627	21.878	28.129

2310	0.012	0.031	0.062	0.156	0.468	0.624	0.780	1.560	2.184	2.809	4.681	9.362	15.604	21.845	28.086
2320	0.012	0.031	0.062	0.156	0.467	0.623	0.779	1.558	2.181	2.804	4.674	9.348	15.580	21.812	28.044
2330	0.012	0.031	0.062	0.156	0.467	0.622	0.778	1.556	2.178	2.800	4.667	9.334	15.557	21.779	28.002
2340	0.012	0.031	0.062	0.155	0.466	0.621	0.777	1.553	2.175	2.796	4.660	9.320	15.533	21.747	27.960
2350	0.012	0.031	0.062	0.155	0.465	0.620	0.776	1.551	2.171	2.792	4.653	9.306	15.510	21.714	27.918
2360	0.012	0.031	0.062	0.155	0.465	0.619	0.774	1.549	2.168	2.788	4.646	9.292	15.487	21.682	27.877
2370	0.012	0.031	0.062	0.155	0.464	0.619	0.773	1.546	2.165	2.784	4.639	9.278	15.464	21.650	27.835
2380	0.012	0.031	0.062	0.154	0.463	0.618	0.772	1.544	2.162	2.779	4.632	9.265	15.441	21.618	27.794
2390	0.012	0.031	0.062	0.154	0.463	0.617	0.771	1.542	2.159	2.775	4.626	9.251	15.418	21.586	27.753
2400	0.012	0.031	0.062	0.154	0.462	0.616	0.770	1.540	2.155	2.771	4.619	9.237	15.396	21.554	27.712
2410	0.012	0.031	0.061	0.154	0.461	0.615	0.769	1.537	2.152	2.767	4.612	9.224	15.373	21.522	27.672
2420	0.012	0.031	0.061	0.154	0.461	0.614	0.768	1.535	2.149	2.763	4.605	9.210	15.351	21.491	27.631
2430	0.012	0.031	0.061	0.153	0.460	0.613	0.766	1.533	2.146	2.759	4.598	9.197	15.328	21.460	27.591
2440	0.012	0.031	0.061	0.153	0.459	0.612	0.765	1.531	2.143	2.755	4.592	9.184	15.306	21.428	27.551
2450	0.012	0.031	0.061	0.153	0.459	0.611	0.764	1.528	2.140	2.751	4.585	9.170	15.284	21.397	27.511
2460	0.012	0.031	0.061	0.153	0.458	0.610	0.763	1.526	2.137	2.747	4.578	9.157	15.262	21.366	27.471
2470	0.012	0.030	0.061	0.152	0.457	0.610	0.762	1.524	2.134	2.743	4.572	9.144	15.239	21.335	27.431
2480	0.012	0.030	0.061	0.152	0.457	0.609	0.761	1.522	2.130	2.739	4.565	9.131	15.218	21.305	27.392
2490	0.012	0.030	0.061	0.152	0.456	0.608	0.760	1.520	2.127	2.735	4.559	9.117	15.196	21.274	27.352
2500	0.012	0.030	0.061	0.152	0.455	0.607	0.759	1.517	2.124	2.731	4.552	9.104	15.174	21.243	27.313
2510	0.012	0.030	0.061	0.152	0.455	0.606	0.758	1.515	2.121	2.727	4.546	9.091	15.152	21.213	27.274
2520	0.012	0.030	0.061	0.151	0.454	0.605	0.757	1.513	2.118	2.723	4.539	9.078	15.131	21.183	27.235
2530	0.012	0.030	0.060	0.151	0.453	0.604	0.755	1.511	2.115	2.720	4.533	9.065	15.109	21.153	27.196
2540	0.012	0.030	0.060	0.151	0.453	0.604	0.754	1.509	2.112	2.716	4.526	9.053	15.088	21.123	27.158
2550	0.012	0.030	0.060	0.151	0.452	0.603	0.753	1.507	2.109	2.712	4.520	9.040	15.066	21.093	27.119
2560	0.012	0.030	0.060	0.150	0.451	0.602	0.752	1.504	2.106	2.708	4.513	9.027	15.045	21.063	27.081
2570	0.012	0.030	0.060	0.150	0.451	0.601	0.751	1.502	2.103	2.704	4.507	9.014	15.024	21.033	27.043
2580	0.012	0.030	0.060	0.150	0.450	0.600	0.750	1.500	2.100	2.700	4.501	9.002	15.003	21.004	27.005
2590	0.012	0.030	0.060	0.150	0.449	0.599	0.749	1.498	2.097	2.697	4.494	8.989	14.982	20.974	26.967
2600	0.012	0.030	0.060	0.150	0.449	0.598	0.748	1.496	2.094	2.693	4.488	8.976	14.961	20.945	26.929

2610	0.012	0.030	0.060	0.149	0.448	0.598	0.747	1.494	2.092	2.689	4.482	8.964	14.940	20.916	26.892
2620	0.012	0.030	0.060	0.149	0.448	0.597	0.746	1.492	2.089	2.685	4.476	8.951	14.919	20.887	26.854
2630	0.012	0.030	0.060	0.149	0.447	0.596	0.745	1.490	2.086	2.682	4.470	8.939	14.898	20.858	26.817
2640	0.012	0.030	0.060	0.149	0.446	0.595	0.744	1.488	2.083	2.678	4.463	8.927	14.878	20.829	26.780
2650	0.012	0.030	0.059	0.149	0.446	0.594	0.743	1.486	2.080	2.674	4.457	8.914	14.857	20.800	26.743
2660	0.012	0.030	0.059	0.148	0.445	0.593	0.742	1.484	2.077	2.671	4.451	8.902	14.837	20.771	26.706
2670	0.012	0.030	0.059	0.148	0.444	0.593	0.741	1.482	2.074	2.667	4.445	8.890	14.816	20.743	26.669
2680	0.012	0.030	0.059	0.148	0.444	0.592	0.740	1.480	2.071	2.663	4.439	8.878	14.796	20.714	26.633
2690	0.012	0.030	0.059	0.148	0.443	0.591	0.739	1.478	2.069	2.660	4.433	8.865	14.776	20.686	26.596
2700	0.012	0.030	0.059	0.148	0.443	0.590	0.738	1.476	2.066	2.656	4.427	8.853	14.756	20.658	26.560
2710	0.012	0.029	0.059	0.147	0.442	0.589	0.737	1.474	2.063	2.652	4.421	8.841	14.736	20.630	26.524
2720	0.012	0.029	0.059	0.147	0.441	0.589	0.736	1.472	2.060	2.649	4.415	8.829	14.716	20.602	26.488
2730	0.012	0.029	0.059	0.147	0.441	0.588	0.735	1.470	2.057	2.645	4.409	8.817	14.696	20.574	26.452
2740	0.012	0.029	0.059	0.147	0.440	0.587	0.734	1.468	2.055	2.642	4.403	8.805	14.676	20.546	26.416
2750	0.012	0.029	0.059	0.147	0.440	0.586	0.733	1.466	2.052	2.638	4.397	8.794	14.656	20.518	26.381
2760	0.012	0.029	0.059	0.146	0.439	0.585	0.732	1.464	2.049	2.635	4.391	8.782	14.636	20.491	26.345
2770	0.012	0.029	0.058	0.146	0.438	0.585	0.731	1.462	2.046	2.631	4.385	8.770	14.617	20.463	26.310
2780	0.012	0.029	0.058	0.146	0.438	0.584	0.730	1.460	2.044	2.627	4.379	8.758	14.597	20.436	26.275
2790	0.012	0.029	0.058	0.146	0.437	0.583	0.729	1.458	2.041	2.624	4.373	8.746	14.577	20.408	26.239
2800	0.012	0.029	0.058	0.146	0.437	0.582	0.728	1.456	2.038	2.620	4.367	8.735	14.558	20.381	26.205
2810	0.012	0.029	0.058	0.145	0.436	0.582	0.727	1.454	2.035	2.617	4.362	8.723	14.539	20.354	26.170
2820	0.012	0.029	0.058	0.145	0.436	0.581	0.726	1.452	2.033	2.613	4.356	8.712	14.519	20.327	26.135
2830	0.012	0.029	0.058	0.145	0.435	0.580	0.725	1.450	2.030	2.610	4.350	8.700	14.500	20.300	26.100
2840	0.012	0.029	0.058	0.145	0.434	0.579	0.724	1.448	2.027	2.607	4.344	8.689	14.481	20.273	26.066
2850	0.012	0.029	0.058	0.145	0.434	0.578	0.723	1.446	2.025	2.603	4.339	8.677	14.462	20.247	26.031
2860	0.012	0.029	0.058	0.144	0.433	0.578	0.722	1.444	2.022	2.600	4.333	8.666	14.443	20.220	25.997
2870	0.012	0.029	0.058	0.144	0.433	0.577	0.721	1.442	2.019	2.596	4.327	8.654	14.424	20.194	25.963
2880	0.012	0.029	0.058	0.144	0.432	0.576	0.720	1.441	2.017	2.593	4.322	8.643	14.405	20.167	25.929
2890	0.012	0.029	0.058	0.144	0.432	0.575	0.719	1.439	2.014	2.590	4.316	8.632	14.386	20.141	25.895
2900	0.011	0.029	0.057	0.144	0.431	0.575	0.718	1.437	2.011	2.586	4.310	8.620	14.367	20.114	25.861

2910	0.011	0.029	0.057	0.143	0.430	0.574	0.717	1.435	2.009	2.583	4.305	8.609	14.349	20.088	25.828
2920	0.011	0.029	0.057	0.143	0.430	0.573	0.717	1.433	2.006	2.579	4.299	8.598	14.330	20.062	25.794
2930	0.011	0.029	0.057	0.143	0.429	0.572	0.716	1.431	2.004	2.576	4.293	8.587	14.312	20.036	25.761
2940	0.011	0.029	0.057	0.143	0.429	0.572	0.715	1.429	2.001	2.573	4.288	8.576	14.293	20.010	25.728
2950	0.011	0.029	0.057	0.143	0.428	0.571	0.714	1.427	1.998	2.569	4.282	8.565	14.275	19.984	25.694
2960	0.011	0.029	0.057	0.143	0.428	0.570	0.713	1.426	1.996	2.566	4.277	8.554	14.256	19.959	25.661
2970	0.011	0.028	0.057	0.142	0.427	0.570	0.712	1.424	1.993	2.563	4.271	8.543	14.238	19.933	25.628
2980	0.011	0.028	0.057	0.142	0.427	0.569	0.711	1.422	1.991	2.560	4.266	8.532	14.220	19.908	25.595
2990	0.011	0.028	0.057	0.142	0.426	0.568	0.710	1.420	1.988	2.556	4.260	8.521	14.201	19.882	25.563
3000	0.011	0.028	0.057	0.142	0.426	0.567	0.709	1.418	1.986	2.553	4.255	8.510	14.183	19.857	25.530
3010	0.011	0.028	0.057	0.142	0.425	0.567	0.708	1.417	1.983	2.550	4.250	8.499	14.165	19.831	25.498
3020	0.011	0.028	0.057	0.141	0.424	0.566	0.707	1.415	1.981	2.547	4.244	8.488	14.147	19.806	25.465
3030	0.011	0.028	0.057	0.141	0.424	0.565	0.706	1.413	1.978	2.543	4.239	8.478	14.129	19.781	25.433
3040	0.011	0.028	0.056	0.141	0.423	0.564	0.706	1.411	1.976	2.540	4.233	8.467	14.111	19.756	25.401
3050	0.011	0.028	0.056	0.141	0.423	0.564	0.705	1.409	1.973	2.537	4.228	8.456	14.094	19.731	25.368
3060	0.011	0.028	0.056	0.141	0.422	0.563	0.704	1.408	1.971	2.534	4.223	8.445	14.076	19.706	25.336
3070	0.011	0.028	0.056	0.141	0.422	0.562	0.703	1.406	1.968	2.530	4.217	8.435	14.058	19.681	25.305
3080	0.011	0.028	0.056	0.140	0.421	0.562	0.702	1.404	1.966	2.527	4.212	8.424	14.040	19.657	25.273
3090	0.011	0.028	0.056	0.140	0.421	0.561	0.701	1.402	1.963	2.524	4.207	8.414	14.023	19.632	25.241
3100	0.011	0.028	0.056	0.140	0.420	0.560	0.700	1.401	1.961	2.521	4.202	8.403	14.005	19.607	25.210
3110	0.011	0.028	0.056	0.140	0.420	0.560	0.699	1.399	1.958	2.518	4.196	8.393	13.988	19.583	25.178
3120	0.011	0.028	0.056	0.140	0.419	0.559	0.699	1.397	1.956	2.515	4.191	8.382	13.970	19.559	25.147
3130	0.011	0.028	0.056	0.140	0.419	0.558	0.698	1.395	1.953	2.512	4.186	8.372	13.953	19.534	25.115
3140	0.011	0.028	0.056	0.139	0.418	0.557	0.697	1.394	1.951	2.508	4.181	8.361	13.936	19.510	25.084
3150	0.011	0.028	0.056	0.139	0.418	0.557	0.696	1.392	1.949	2.505	4.176	8.351	13.918	19.486	25.053
3160	0.011	0.028	0.056	0.139	0.417	0.556	0.695	1.390	1.946	2.502	4.170	8.341	13.901	19.462	25.022
3170	0.011	0.028	0.056	0.139	0.417	0.555	0.694	1.388	1.944	2.499	4.165	8.330	13.884	19.438	24.991
3180	0.011	0.028	0.055	0.139	0.416	0.555	0.693	1.387	1.941	2.496	4.160	8.320	13.867	19.414	24.961
3190	0.011	0.028	0.055	0.138	0.415	0.554	0.692	1.385	1.939	2.493	4.155	8.310	13.850	19.390	24.930
3200	0.011	0.028	0.055	0.138	0.415	0.553	0.692	1.383	1.937	2.490	4.150	8.300	13.833	19.366	24.899

3210	0.011	0.028	0.055	0.138	0.414	0.553	0.691	1.382	1.934	2.487	4.145	8.290	13.816	19.342	24.869
3220	0.011	0.028	0.055	0.138	0.414	0.552	0.690	1.380	1.932	2.484	4.140	8.279	13.799	19.319	24.838
3230	0.011	0.028	0.055	0.138	0.413	0.551	0.689	1.378	1.930	2.481	4.135	8.269	13.782	19.295	24.808
3240	0.011	0.028	0.055	0.138	0.413	0.551	0.688	1.377	1.927	2.478	4.130	8.259	13.766	19.272	24.778
3250	0.011	0.027	0.055	0.137	0.412	0.550	0.687	1.375	1.925	2.475	4.125	8.249	13.749	19.248	24.748
3260	0.011	0.027	0.055	0.137	0.412	0.549	0.687	1.373	1.923	2.472	4.120	8.239	13.732	19.225	24.718
3270	0.011	0.027	0.055	0.137	0.411	0.549	0.686	1.372	1.920	2.469	4.115	8.229	13.716	19.202	24.688
3280	0.011	0.027	0.055	0.137	0.411	0.548	0.685	1.370	1.918	2.466	4.110	8.219	13.699	19.179	24.658
3290	0.011	0.027	0.055	0.137	0.410	0.547	0.684	1.368	1.916	2.463	4.105	8.209	13.682	19.155	24.628
3300	0.011	0.027	0.055	0.137	0.410	0.547	0.683	1.367	1.913	2.460	4.100	8.200	13.666	19.132	24.599
3310	0.011	0.027	0.055	0.136	0.409	0.546	0.682	1.365	1.911	2.457	4.095	8.190	13.650	19.109	24.569
3320	0.011	0.027	0.055	0.136	0.409	0.545	0.682	1.363	1.909	2.454	4.090	8.180	13.633	19.086	24.540
3330	0.011	0.027	0.054	0.136	0.409	0.545	0.681	1.362	1.906	2.451	4.085	8.170	13.617	19.064	24.510
3340	0.011	0.027	0.054	0.136	0.408	0.544	0.680	1.360	1.904	2.448	4.080	8.160	13.601	19.041	24.481
3350	0.011	0.027	0.054	0.136	0.408	0.543	0.679	1.358	1.902	2.445	4.075	8.151	13.584	19.018	24.452
3360	0.011	0.027	0.054	0.136	0.407	0.543	0.678	1.357	1.900	2.442	4.070	8.141	13.568	18.995	24.423
3370	0.011	0.027	0.054	0.136	0.407	0.542	0.678	1.355	1.897	2.439	4.066	8.131	13.552	18.973	24.394
3380	0.011	0.027	0.054	0.135	0.406	0.541	0.677	1.354	1.895	2.436	4.061	8.122	13.536	18.950	24.365
3390	0.011	0.027	0.054	0.135	0.406	0.541	0.676	1.352	1.893	2.434	4.056	8.112	13.520	18.928	24.336
3400	0.011	0.027	0.054	0.135	0.405	0.540	0.675	1.350	1.891	2.431	4.051	8.102	13.504	18.906	24.307
3410	0.011	0.027	0.054	0.135	0.405	0.540	0.674	1.349	1.888	2.428	4.046	8.093	13.488	18.883	24.279
3420	0.011	0.027	0.054	0.135	0.404	0.539	0.674	1.347	1.886	2.425	4.042	8.083	13.472	18.861	24.250
3430	0.011	0.027	0.054	0.135	0.404	0.538	0.673	1.346	1.884	2.422	4.037	8.074	13.456	18.839	24.221
3440	0.011	0.027	0.054	0.134	0.403	0.538	0.672	1.344	1.882	2.419	4.032	8.064	13.441	18.817	24.193
3450	0.011	0.027	0.054	0.134	0.403	0.537	0.671	1.342	1.879	2.416	4.027	8.055	13.425	18.795	24.165
3460	0.011	0.027	0.054	0.134	0.402	0.536	0.670	1.341	1.877	2.414	4.023	8.045	13.409	18.773	24.136
3470	0.011	0.027	0.054	0.134	0.402	0.536	0.670	1.339	1.875	2.411	4.018	8.036	13.393	18.751	24.108
3480	0.011	0.027	0.054	0.134	0.401	0.535	0.669	1.338	1.873	2.408	4.013	8.027	13.378	18.729	24.080
3490	0.011	0.027	0.053	0.134	0.401	0.534	0.668	1.336	1.871	2.405	4.009	8.017	13.362	18.707	24.052
3500	0.011	0.027	0.053	0.133	0.400	0.534	0.667	1.335	1.869	2.402	4.004	8.008	13.347	18.685	24.024

3510	0.011	0.027	0.053	0.133	0.400	0.533	0.667	1.333	1.866	2.400	3.999	7.999	13.331	18.664	23.996
3520	0.011	0.027	0.053	0.133	0.399	0.533	0.666	1.332	1.864	2.397	3.995	7.990	13.316	18.642	23.969
3530	0.011	0.027	0.053	0.133	0.399	0.532	0.665	1.330	1.862	2.394	3.990	7.980	13.300	18.621	23.941
3540	0.011	0.027	0.053	0.133	0.399	0.531	0.664	1.329	1.860	2.391	3.986	7.971	13.285	18.599	23.913
3550	0.011	0.027	0.053	0.133	0.398	0.531	0.663	1.327	1.858	2.389	3.981	7.962	13.270	18.578	23.886
3560	0.011	0.027	0.053	0.133	0.398	0.530	0.663	1.325	1.856	2.386	3.976	7.953	13.255	18.556	23.858
3570	0.011	0.026	0.053	0.132	0.397	0.530	0.662	1.324	1.854	2.383	3.972	7.944	13.239	18.535	23.831
3580	0.011	0.026	0.053	0.132	0.397	0.529	0.661	1.322	1.851	2.380	3.967	7.935	13.224	18.514	23.804
3590	0.011	0.026	0.053	0.132	0.396	0.528	0.660	1.321	1.849	2.378	3.963	7.925	13.209	18.493	23.776
3600	0.011	0.026	0.053	0.132	0.396	0.528	0.660	1.319	1.847	2.375	3.958	7.916	13.194	18.472	23.749
3610	0.011	0.026	0.053	0.132	0.395	0.527	0.659	1.318	1.845	2.372	3.954	7.907	13.179	18.450	23.722
3620	0.011	0.026	0.053	0.132	0.395	0.527	0.658	1.316	1.843	2.370	3.949	7.898	13.164	18.429	23.695
3630	0.011	0.026	0.053	0.131	0.394	0.526	0.657	1.315	1.841	2.367	3.945	7.889	13.149	18.409	23.668
3640	0.011	0.026	0.053	0.131	0.394	0.525	0.657	1.313	1.839	2.364	3.940	7.880	13.134	18.388	23.641
3650	0.010	0.026	0.052	0.131	0.394	0.525	0.656	1.312	1.837	2.361	3.936	7.872	13.119	18.367	23.615
3660	0.010	0.026	0.052	0.131	0.393	0.524	0.655	1.310	1.835	2.359	3.931	7.863	13.104	18.346	23.588
3670	0.010	0.026	0.052	0.131	0.393	0.524	0.654	1.309	1.833	2.356	3.927	7.854	13.090	18.325	23.561
3680	0.010	0.026	0.052	0.131	0.392	0.523	0.654	1.307	1.830	2.353	3.922	7.845	13.075	18.305	23.535
3690	0.010	0.026	0.052	0.131	0.392	0.522	0.653	1.306	1.828	2.351	3.918	7.836	13.060	18.284	23.508
3700	0.010	0.026	0.052	0.130	0.391	0.522	0.652	1.305	1.826	2.348	3.914	7.827	13.045	18.264	23.482
3710	0.010	0.026	0.052	0.130	0.391	0.521	0.652	1.303	1.824	2.346	3.909	7.818	13.031	18.243	23.455
3720	0.010	0.026	0.052	0.130	0.390	0.521	0.651	1.302	1.822	2.343	3.905	7.810	13.016	18.223	23.429
3730	0.010	0.026	0.052	0.130	0.390	0.520	0.650	1.300	1.820	2.340	3.900	7.801	13.002	18.202	23.403
3740	0.010	0.026	0.052	0.130	0.390	0.519	0.649	1.299	1.818	2.338	3.896	7.792	12.987	18.182	23.377
3750	0.010	0.026	0.052	0.130	0.389	0.519	0.649	1.297	1.816	2.335	3.892	7.784	12.973	18.162	23.351
3760	0.010	0.026	0.052	0.130	0.389	0.518	0.648	1.296	1.814	2.332	3.887	7.775	12.958	18.141	23.325
3770	0.010	0.026	0.052	0.129	0.388	0.518	0.647	1.294	1.812	2.330	3.883	7.766	12.944	18.121	23.299
3780	0.010	0.026	0.052	0.129	0.388	0.517	0.646	1.293	1.810	2.327	3.879	7.758	12.929	18.101	23.273
3790	0.010	0.026	0.052	0.129	0.387	0.517	0.646	1.292	1.808	2.325	3.875	7.749	12.915	18.081	23.247
3800	0.010	0.026	0.052	0.129	0.387	0.516	0.645	1.290	1.806	2.322	3.870	7.741	12.901	18.061	23.222

3810	0.010	0.026	0.052	0.129	0.387	0.515	0.644	1.289	1.804	2.320	3.866	7.732	12.887	18.041	23.196
3820	0.010	0.026	0.051	0.129	0.386	0.515	0.644	1.287	1.802	2.317	3.862	7.723	12.872	18.021	23.170
3830	0.010	0.026	0.051	0.129	0.386	0.514	0.643	1.286	1.800	2.314	3.857	7.715	12.858	18.002	23.145
3840	0.010	0.026	0.051	0.128	0.385	0.514	0.642	1.284	1.798	2.312	3.853	7.706	12.844	17.982	23.119
3850	0.010	0.026	0.051	0.128	0.385	0.513	0.642	1.283	1.796	2.309	3.849	7.698	12.830	17.962	23.094
3860	0.010	0.026	0.051	0.128	0.384	0.513	0.641	1.282	1.794	2.307	3.845	7.690	12.816	17.942	23.069
3870	0.010	0.026	0.051	0.128	0.384	0.512	0.640	1.280	1.792	2.304	3.841	7.681	12.802	17.923	23.043
3880	0.010	0.026	0.051	0.128	0.384	0.512	0.639	1.279	1.790	2.302	3.836	7.673	12.788	17.903	23.018
3890	0.010	0.026	0.051	0.128	0.383	0.511	0.639	1.277	1.788	2.299	3.832	7.664	12.774	17.884	22.993
3900	0.010	0.026	0.051	0.128	0.383	0.510	0.638	1.276	1.786	2.297	3.828	7.656	12.760	17.864	22.968
3910	0.010	0.025	0.051	0.127	0.382	0.510	0.637	1.275	1.784	2.294	3.824	7.648	12.746	17.845	22.943
3920	0.010	0.025	0.051	0.127	0.382	0.509	0.637	1.273	1.783	2.292	3.820	7.639	12.732	17.825	22.918
3930	0.010	0.025	0.051	0.127	0.382	0.509	0.636	1.272	1.781	2.289	3.816	7.631	12.719	17.806	22.893
3940	0.010	0.025	0.051	0.127	0.381	0.508	0.635	1.270	1.779	2.287	3.811	7.623	12.705	17.787	22.869
3950	0.010	0.025	0.051	0.127	0.381	0.508	0.635	1.269	1.777	2.284	3.807	7.615	12.691	17.767	22.844
3960	0.010	0.025	0.051	0.127	0.380	0.507	0.634	1.268	1.775	2.282	3.803	7.606	12.677	17.748	22.819
3970	0.010	0.025	0.051	0.127	0.380	0.507	0.633	1.266	1.773	2.279	3.799	7.598	12.664	17.729	22.795
3980	0.010	0.025	0.051	0.127	0.380	0.506	0.633	1.265	1.771	2.277	3.795	7.590	12.650	17.710	22.770
3990	0.010	0.025	0.051	0.126	0.379	0.505	0.632	1.264	1.769	2.275	3.791	7.582	12.636	17.691	22.746
4000	0.010	0.025	0.050	0.126	0.379	0.505	0.631	1.262	1.767	2.272	3.787	7.574	12.623	17.672	22.721
4010	0.010	0.025	0.050	0.126	0.378	0.504	0.630	1.261	1.765	2.270	3.783	7.566	12.609	17.653	22.697
4020	0.010	0.025	0.050	0.126	0.378	0.504	0.630	1.260	1.763	2.267	3.779	7.558	12.596	17.634	22.673
4030	0.010	0.025	0.050	0.126	0.377	0.503	0.629	1.258	1.762	2.265	3.775	7.549	12.582	17.615	22.648
4040	0.010	0.025	0.050	0.126	0.377	0.503	0.628	1.257	1.760	2.262	3.771	7.541	12.569	17.597	22.624
4050	0.010	0.025	0.050	0.126	0.377	0.502	0.628	1.256	1.758	2.260	3.767	7.533	12.556	17.578	22.600
4060	0.010	0.025	0.050	0.125	0.376	0.502	0.627	1.254	1.756	2.258	3.763	7.525	12.542	17.559	22.576
4070	0.010	0.025	0.050	0.125	0.376	0.501	0.626	1.253	1.754	2.255	3.759	7.517	12.529	17.541	22.552
4080	0.010	0.025	0.050	0.125	0.375	0.501	0.626	1.252	1.752	2.253	3.755	7.509	12.516	17.522	22.528
4090	0.010	0.025	0.050	0.125	0.375	0.500	0.625	1.250	1.750	2.250	3.751	7.501	12.502	17.503	22.504
4100	0.010	0.025	0.050	0.125	0.375	0.500	0.624	1.249	1.748	2.248	3.747	7.494	12.489	17.485	22.481

4110	0.010	0.025	0.050	0.125	0.374	0.499	0.624	1.248	1.747	2.246	3.743	7.486	12.476	17.466	22.457
4120	0.010	0.025	0.050	0.125	0.374	0.499	0.623	1.246	1.745	2.243	3.739	7.478	12.463	17.448	22.433
4130	0.010	0.025	0.050	0.124	0.373	0.498	0.622	1.245	1.743	2.241	3.735	7.470	12.450	17.430	22.409
4140	0.010	0.025	0.050	0.124	0.373	0.497	0.622	1.244	1.741	2.239	3.731	7.462	12.437	17.411	22.386
4150	0.010	0.025	0.050	0.124	0.373	0.497	0.621	1.242	1.739	2.236	3.727	7.454	12.424	17.393	22.362
4160	0.010	0.025	0.050	0.124	0.372	0.496	0.621	1.241	1.737	2.234	3.723	7.446	12.410	17.375	22.339
4170	0.010	0.025	0.050	0.124	0.372	0.496	0.620	1.240	1.736	2.232	3.719	7.438	12.397	17.356	22.315
4180	0.010	0.025	0.050	0.124	0.372	0.495	0.619	1.238	1.734	2.229	3.715	7.431	12.385	17.338	22.292
4190	0.010	0.025	0.049	0.124	0.371	0.495	0.619	1.237	1.732	2.227	3.711	7.423	12.372	17.320	22.269
4200	0.010	0.025	0.049	0.124	0.371	0.494	0.618	1.236	1.730	2.225	3.708	7.415	12.359	17.302	22.246
4210	0.010	0.025	0.049	0.123	0.370	0.494	0.617	1.235	1.728	2.222	3.704	7.407	12.346	17.284	22.222
4220	0.010	0.025	0.049	0.123	0.370	0.493	0.617	1.233	1.727	2.220	3.700	7.400	12.333	17.266	22.199
4230	0.010	0.025	0.049	0.123	0.370	0.493	0.616	1.232	1.725	2.218	3.696	7.392	12.320	17.248	22.176
4240	0.010	0.025	0.049	0.123	0.369	0.492	0.615	1.231	1.723	2.215	3.692	7.384	12.307	17.230	22.153
4250	0.010	0.025	0.049	0.123	0.369	0.492	0.615	1.229	1.721	2.213	3.688	7.377	12.295	17.212	22.130
4260	0.010	0.025	0.049	0.123	0.368	0.491	0.614	1.228	1.719	2.211	3.685	7.369	12.282	17.195	22.107
4270	0.010	0.025	0.049	0.123	0.368	0.491	0.613	1.227	1.718	2.208	3.681	7.362	12.269	17.177	22.085
4280	0.010	0.025	0.049	0.123	0.368	0.490	0.613	1.226	1.716	2.206	3.677	7.354	12.257	17.159	22.062
4290	0.010	0.024	0.049	0.122	0.367	0.490	0.612	1.224	1.714	2.204	3.673	7.346	12.244	17.141	22.039
4300	0.010	0.024	0.049	0.122	0.367	0.489	0.612	1.223	1.712	2.202	3.669	7.339	12.231	17.124	22.016
4310	0.010	0.024	0.049	0.122	0.367	0.489	0.611	1.222	1.711	2.199	3.666	7.331	12.219	17.106	21.994
4320	0.010	0.024	0.049	0.122	0.366	0.488	0.610	1.221	1.709	2.197	3.662	7.324	12.206	17.089	21.971
4330	0.010	0.024	0.049	0.122	0.366	0.488	0.610	1.219	1.707	2.195	3.658	7.316	12.194	17.071	21.949
4340	0.010	0.024	0.049	0.122	0.365	0.487	0.609	1.218	1.705	2.193	3.654	7.309	12.181	17.054	21.926
4350	0.010	0.024	0.049	0.122	0.365	0.487	0.608	1.217	1.704	2.190	3.651	7.301	12.169	17.036	21.904
4360	0.010	0.024	0.049	0.122	0.365	0.486	0.608	1.216	1.702	2.188	3.647	7.294	12.156	17.019	21.881
4370	0.010	0.024	0.049	0.121	0.364	0.486	0.607	1.214	1.700	2.186	3.643	7.286	12.144	17.001	21.859
4380	0.010	0.024	0.049	0.121	0.364	0.485	0.607	1.213	1.698	2.184	3.639	7.279	12.132	16.984	21.837
4390	0.010	0.024	0.048	0.121	0.364	0.485	0.606	1.212	1.697	2.181	3.636	7.272	12.119	16.967	21.815
4400	0.010	0.024	0.048	0.121	0.363	0.484	0.605	1.211	1.695	2.179	3.632	7.264	12.107	16.950	21.792

4410	0.010	0.024	0.048	0.121	0.363	0.484	0.605	1.209	1.693	2.177	3.628	7.257	12.095	16.932	21.770
4420	0.010	0.024	0.048	0.121	0.362	0.483	0.604	1.208	1.692	2.175	3.625	7.249	12.082	16.915	21.748
4430	0.010	0.024	0.048	0.121	0.362	0.483	0.604	1.207	1.690	2.173	3.621	7.242	12.070	16.898	21.726
4440	0.010	0.024	0.048	0.121	0.362	0.482	0.603	1.206	1.688	2.170	3.617	7.235	12.058	16.881	21.704
4450	0.010	0.024	0.048	0.120	0.361	0.482	0.602	1.205	1.686	2.168	3.614	7.227	12.046	16.864	21.682
4460	0.010	0.024	0.048	0.120	0.361	0.481	0.602	1.203	1.685	2.166	3.610	7.220	12.034	16.847	21.661
4470	0.010	0.024	0.048	0.120	0.361	0.481	0.601	1.202	1.683	2.164	3.606	7.213	12.021	16.830	21.639
4480	0.010	0.024	0.048	0.120	0.360	0.480	0.600	1.201	1.681	2.162	3.603	7.206	12.009	16.813	21.617
4490	0.010	0.024	0.048	0.120	0.360	0.480	0.600	1.200	1.680	2.160	3.599	7.198	11.997	16.796	21.595
4500	0.010	0.024	0.048	0.120	0.360	0.479	0.599	1.199	1.678	2.157	3.596	7.191	11.985	16.779	21.574
4510	0.010	0.024	0.048	0.120	0.359	0.479	0.599	1.197	1.676	2.155	3.592	7.184	11.973	16.763	21.552
4520	0.010	0.024	0.048	0.120	0.359	0.478	0.598	1.196	1.675	2.153	3.588	7.177	11.961	16.746	21.530
4530	0.010	0.024	0.048	0.119	0.358	0.478	0.597	1.195	1.673	2.151	3.585	7.170	11.949	16.729	21.509
4540	0.010	0.024	0.048	0.119	0.358	0.477	0.597	1.194	1.671	2.149	3.581	7.162	11.937	16.712	21.487
4550	0.010	0.024	0.048	0.119	0.358	0.477	0.596	1.193	1.670	2.147	3.578	7.155	11.926	16.696	21.466
4560	0.010	0.024	0.048	0.119	0.357	0.477	0.596	1.191	1.668	2.144	3.574	7.148	11.914	16.679	21.445
4570	0.010	0.024	0.048	0.119	0.357	0.476	0.595	1.190	1.666	2.142	3.571	7.141	11.902	16.663	21.423
4580	0.010	0.024	0.048	0.119	0.357	0.476	0.595	1.189	1.665	2.140	3.567	7.134	11.890	16.646	21.402
4590	0.010	0.024	0.048	0.119	0.356	0.475	0.594	1.188	1.663	2.138	3.563	7.127	11.878	16.629	21.381
4600	0.009	0.024	0.047	0.119	0.356	0.475	0.593	1.187	1.661	2.136	3.560	7.120	11.866	16.613	21.360
4610	0.009	0.024	0.047	0.119	0.356	0.474	0.593	1.185	1.660	2.134	3.556	7.113	11.855	16.597	21.338
4620	0.009	0.024	0.047	0.118	0.355	0.474	0.592	1.184	1.658	2.132	3.553	7.106	11.843	16.580	21.317
4630	0.009	0.024	0.047	0.118	0.355	0.473	0.592	1.183	1.656	2.130	3.549	7.099	11.831	16.564	21.296
4640	0.009	0.024	0.047	0.118	0.355	0.473	0.591	1.182	1.655	2.128	3.546	7.092	11.820	16.547	21.275
4650	0.009	0.024	0.047	0.118	0.354	0.472	0.590	1.181	1.653	2.125	3.542	7.085	11.808	16.531	21.254
4660	0.009	0.024	0.047	0.118	0.354	0.472	0.590	1.180	1.651	2.123	3.539	7.078	11.796	16.515	21.233
4670	0.009	0.024	0.047	0.118	0.354	0.471	0.589	1.178	1.650	2.121	3.535	7.071	11.785	16.499	21.213
4680	0.009	0.024	0.047	0.118	0.353	0.471	0.589	1.177	1.648	2.119	3.532	7.064	11.773	16.483	21.192
4690	0.009	0.024	0.047	0.118	0.353	0.470	0.588	1.176	1.647	2.117	3.529	7.057	11.762	16.466	21.171
4700	0.009	0.024	0.047	0.118	0.353	0.470	0.588	1.175	1.645	2.115	3.525	7.050	11.750	16.450	21.150

4710	0.009	0.023	0.047	0.117	0.352	0.470	0.587	1.174	1.643	2.113	3.522	7.043	11.739	16.434	21.130
4720	0.009	0.023	0.047	0.117	0.352	0.469	0.586	1.173	1.642	2.111	3.518	7.036	11.727	16.418	21.109
4730	0.009	0.023	0.047	0.117	0.351	0.469	0.586	1.172	1.640	2.109	3.515	7.029	11.716	16.402	21.088
4740	0.009	0.023	0.047	0.117	0.351	0.468	0.585	1.170	1.639	2.107	3.511	7.023	11.704	16.386	21.068
4750	0.009	0.023	0.047	0.117	0.351	0.468	0.585	1.169	1.637	2.105	3.508	7.016	11.693	16.370	21.047
4760	0.009	0.023	0.047	0.117	0.350	0.467	0.584	1.168	1.635	2.103	3.504	7.009	11.682	16.354	21.027
4770	0.009	0.023	0.047	0.117	0.350	0.467	0.584	1.167	1.634	2.101	3.501	7.002	11.670	16.338	21.006
4780	0.009	0.023	0.047	0.117	0.350	0.466	0.583	1.166	1.632	2.099	3.498	6.995	11.659	16.323	20.986
4790	0.009	0.023	0.047	0.116	0.349	0.466	0.582	1.165	1.631	2.097	3.494	6.989	11.648	16.307	20.966
4800	0.009	0.023	0.047	0.116	0.349	0.465	0.582	1.164	1.629	2.095	3.491	6.982	11.636	16.291	20.945
4810	0.009	0.023	0.047	0.116	0.349	0.465	0.581	1.163	1.628	2.093	3.488	6.975	11.625	16.275	20.925
4820	0.009	0.023	0.046	0.116	0.348	0.465	0.581	1.161	1.626	2.091	3.484	6.968	11.614	16.259	20.905
4830	0.009	0.023	0.046	0.116	0.348	0.464	0.580	1.160	1.624	2.088	3.481	6.962	11.603	16.244	20.885
4840	0.009	0.023	0.046	0.116	0.348	0.464	0.580	1.159	1.623	2.086	3.477	6.955	11.592	16.228	20.865
4850	0.009	0.023	0.046	0.116	0.347	0.463	0.579	1.158	1.621	2.084	3.474	6.948	11.580	16.213	20.845
4860	0.009	0.023	0.046	0.116	0.347	0.463	0.578	1.157	1.620	2.082	3.471	6.942	11.569	16.197	20.825
4870	0.009	0.023	0.046	0.116	0.347	0.462	0.578	1.156	1.618	2.080	3.467	6.935	11.558	16.181	20.805
4880	0.009	0.023	0.046	0.115	0.346	0.462	0.577	1.155	1.617	2.078	3.464	6.928	11.547	16.166	20.785
4890	0.009	0.023	0.046	0.115	0.346	0.461	0.577	1.154	1.615	2.076	3.461	6.922	11.536	16.150	20.765
4900	0.009	0.023	0.046	0.115	0.346	0.461	0.576	1.152	1.613	2.074	3.457	6.915	11.525	16.135	20.745
4910	0.009	0.023	0.046	0.115	0.345	0.461	0.576	1.151	1.612	2.073	3.454	6.908	11.514	16.120	20.725
4920	0.009	0.023	0.046	0.115	0.345	0.460	0.575	1.150	1.610	2.071	3.451	6.902	11.503	16.104	20.705
4930	0.009	0.023	0.046	0.115	0.345	0.460	0.575	1.149	1.609	2.069	3.448	6.895	11.492	16.089	20.686
4940	0.009	0.023	0.046	0.115	0.344	0.459	0.574	1.148	1.607	2.067	3.444	6.889	11.481	16.073	20.666
4950	0.009	0.023	0.046	0.115	0.344	0.459	0.574	1.147	1.606	2.065	3.441	6.882	11.470	16.058	20.646
4960	0.009	0.023	0.046	0.115	0.344	0.458	0.573	1.146	1.604	2.063	3.438	6.876	11.459	16.043	20.627
4970	0.009	0.023	0.046	0.114	0.343	0.458	0.572	1.145	1.603	2.061	3.435	6.869	11.448	16.028	20.607
4980	0.009	0.023	0.046	0.114	0.343	0.457	0.572	1.144	1.601	2.059	3.431	6.862	11.437	16.012	20.587
4990	0.009	0.023	0.046	0.114	0.343	0.457	0.571	1.143	1.600	2.057	3.428	6.856	11.427	15.997	20.568
5000	0.009	0.023	0.046	0.114	0.342	0.457	0.571	1.142	1.598	2.055	3.425	6.849	11.416	15.982	20.548

5010	0.009	0.023	0.046	0.114	0.342	0.456	0.570	1.141	1.597	2.053	3.422	6.843	11.405	15.967	20.529
5020	0.009	0.023	0.046	0.114	0.342	0.456	0.570	1.139	1.595	2.051	3.418	6.837	11.394	15.952	20.510
5030	0.009	0.023	0.046	0.114	0.342	0.455	0.569	1.138	1.594	2.049	3.415	6.830	11.384	15.937	20.490
5040	0.009	0.023	0.045	0.114	0.341	0.455	0.569	1.137	1.592	2.047	3.412	6.824	11.373	15.922	20.471
5050	0.009	0.023	0.045	0.114	0.341	0.454	0.568	1.136	1.591	2.045	3.409	6.817	11.362	15.907	20.452
5060	0.009	0.023	0.045	0.114	0.341	0.454	0.568	1.135	1.589	2.043	3.405	6.811	11.351	15.892	20.433
5070	0.009	0.023	0.045	0.113	0.340	0.454	0.567	1.134	1.588	2.041	3.402	6.804	11.341	15.877	20.413
5080	0.009	0.023	0.045	0.113	0.340	0.453	0.567	1.133	1.586	2.039	3.399	6.798	11.330	15.862	20.394
5090	0.009	0.023	0.045	0.113	0.340	0.453	0.566	1.132	1.585	2.038	3.396	6.792	11.320	15.847	20.375
5100	0.009	0.023	0.045	0.113	0.339	0.452	0.565	1.131	1.583	2.036	3.393	6.785	11.309	15.832	20.356
5110	0.009	0.023	0.045	0.113	0.339	0.452	0.565	1.130	1.582	2.034	3.389	6.779	11.298	15.818	20.337
5120	0.009	0.023	0.045	0.113	0.339	0.452	0.564	1.129	1.580	2.032	3.386	6.773	11.288	15.803	20.318
5130	0.009	0.023	0.045	0.113	0.338	0.451	0.564	1.128	1.579	2.030	3.383	6.766	11.277	15.788	20.299
5140	0.009	0.023	0.045	0.113	0.338	0.451	0.563	1.127	1.577	2.028	3.380	6.760	11.267	15.773	20.280
5150	0.009	0.023	0.045	0.113	0.338	0.450	0.563	1.126	1.576	2.026	3.377	6.754	11.256	15.759	20.261
5160	0.009	0.022	0.045	0.112	0.337	0.450	0.562	1.125	1.574	2.024	3.374	6.747	11.246	15.744	20.242
5170	0.009	0.022	0.045	0.112	0.337	0.449	0.562	1.124	1.573	2.022	3.371	6.741	11.235	15.729	20.224
5180	0.009	0.022	0.045	0.112	0.337	0.449	0.561	1.122	1.571	2.020	3.367	6.735	11.225	15.715	20.205
5190	0.009	0.022	0.045	0.112	0.336	0.449	0.561	1.121	1.570	2.019	3.364	6.729	11.214	15.700	20.186
5200	0.009	0.022	0.045	0.112	0.336	0.448	0.560	1.120	1.569	2.017	3.361	6.722	11.204	15.686	20.167
5210	0.009	0.022	0.045	0.112	0.336	0.448	0.560	1.119	1.567	2.015	3.358	6.716	11.194	15.671	20.149
5220	0.009	0.022	0.045	0.112	0.336	0.447	0.559	1.118	1.566	2.013	3.355	6.710	11.183	15.657	20.130
5230	0.009	0.022	0.045	0.112	0.335	0.447	0.559	1.117	1.564	2.011	3.352	6.704	11.173	15.642	20.111
5240	0.009	0.022	0.045	0.112	0.335	0.447	0.558	1.116	1.563	2.009	3.349	6.698	11.163	15.628	20.093
5250	0.009	0.022	0.045	0.112	0.335	0.446	0.558	1.115	1.561	2.007	3.346	6.691	11.152	15.613	20.074
5260	0.009	0.022	0.045	0.111	0.334	0.446	0.557	1.114	1.560	2.006	3.343	6.685	11.142	15.599	20.056
5270	0.009	0.022	0.045	0.111	0.334	0.445	0.557	1.113	1.558	2.004	3.340	6.679	11.132	15.585	20.037
5280	0.009	0.022	0.044	0.111	0.334	0.445	0.556	1.112	1.557	2.002	3.337	6.673	11.122	15.570	20.019
5290	0.009	0.022	0.044	0.111	0.333	0.444	0.556	1.111	1.556	2.000	3.333	6.667	11.111	15.556	20.001
5300	0.009	0.022	0.044	0.111	0.333	0.444	0.555	1.110	1.554	1.998	3.330	6.661	11.101	15.542	19.982

5310	0.009	0.022	0.044	0.111	0.333	0.444	0.555	1.109	1.553	1.996	3.327	6.655	11.091	15.528	19.964
5320	0.009	0.022	0.044	0.111	0.333	0.444	0.554	1.109	1.551	1.995	3.324	6.649	11.091	15.528	19.946
5330	0.009	0.022	0.044	0.111	0.332	0.443	0.554	1.107	1.551	1.993	3.324	6.643	11.071	15.499	19.928
5340	0.009	0.022	0.044	0.111	0.332	0.442	0.553	1.107	1.549	1.991	3.318	6.636	11.061	15.485	19.909
5350	0.009	0.022	0.044	0.111	0.332	0.442	0.553	1.105	1.549	1.989	3.315	6.630	11.051	15.471	19.891
5360	0.009	0.022	0.044	0.111	0.332	0.442	0.553	1.103	1.546	1.987	3.313	6.624	11.041	15.457	19.831
5370	0.009	0.022	0.044	0.110	0.331	0.442	0.552	1.104	1.544	1.985	3.309	6.618	11.041	15.443	19.855
5380	0.009	0.022	0.044	0.110	0.331	0.441	0.552	1.103	1.543	1.983	3.309	6.612	11.031	15.429	19.837
5390	0.009	0.022	0.044	0.110	0.331	0.441	0.551	1.102	1.541	1.982	3.303	6.606	11.020	15.415	19.837
5400	0.009	0.022	0.044	0.110	0.330	0.440	0.551	1.101	1.540	1.982	3.300	6.600	11.000	15.401	19.813
5410	0.009	0.022	0.044	0.110	0.330	0.440	0.550	1.099	1.539	1.978	3.297	6.594	10.991	15.387	19.783
5420	0.009	0.022	0.044	0.110	0.330	0.439	0.530	1.098	1.537	1.976	3.294	6.588	10.981	15.373	19.765
5430	0.009	0.022	0.044	0.110	0.329	0.439	0.549	1.097	1.536	1.975	3.294	6.582	10.981	15.359	19.747
5440	0.009	0.022	0.044	0.110	0.329	0.439	0.548	1.096	1.534	1.973	3.288	6.576	10.961	15.345	19.747
5450	0.009	0.022	0.044	0.110	0.329	0.438	0.548	1.095	1.533	1.973	3.285	6.570	10.951	15.331	19.729
5460	0.009	0.022	0.044	0.110	0.329	0.438	0.547	1.093	1.532	1.969	3.282	6.565	10.931	15.317	19.711
5470	0.009	0.022	0.044	0.109	0.328	0.437	0.547	1.094	1.532	1.968	3.279	6.559	10.941	15.303	19.676
5480	0.009	0.022	0.044	0.109	0.328	0.437	0.546	1.093	1.529	1.966	3.279	6.553	10.931	15.290	19.658
5490	0.009	0.022	0.044	0.109	0.328	0.437	0.546	1.092	1.529	1.966	3.276	6.547	10.921	15.276	19.636
5500	0.009	0.022	0.044	0.109	0.327	0.436	0.545	1.091	1.526	1.964	3.273	6.541	10.911	15.262	19.623
5510	0.009	0.022	0.044	0.109	0.327	0.436	0.545	1.090	1.525	1.962	3.268	6.535	10.902	15.248	19.625
5520	0.009	0.022	0.044	0.109	0.326	0.435	0.544	1.089	1.523	1.951	3.265	6.529	10.892	15.235	19.588
5530	0.009	0.022	0.044	0.109	0.326	0.435	0.544	1.087	1.523	1.959	3.262	6.523	10.882	15.233	19.566
5540	0.009	0.022	0.043	0.109	0.326	0.433	0.544	1.087	1.522	1.957	3.259	6.523	10.872	15.221	19.570
5550	0.009	0.022	0.043	0.109	0.326	0.434	0.543	1.085	1.521	1.953	3.256	6.517	10.853	15.207	19.535
5560	0.009	0.022	0.043	0.109	0.325	0.434	0.543	1.085	1.519	1.953	3.253	6.506	10.833	15.194	19.555
5570	0.009	0.022	0.043	0.108		0.434	0.542	1.084			3.250	6.500			19.510
					0.325				1.517	1.950			10.833	15.167	
5580	0.009	0.022	0.043	0.108	0.325	0.433	0.541	1.082	1.515	1.948	3.247	6.494	10.824	15.153	19.483
5590	0.009	0.022	0.043	0.108	0.324	0.433	0.541	1.081	1.514	1.947	3.244	6.488	10.814	15.140	19.465
5600	0.009	0.022	0.043	0.108	0.324	0.432	0.540	1.080	1.513	1.945	3.241	6.483	10.804	15.126	19.448

5610	0.009	0.022	0.043	0.108	0.324	0.432	0.540	1.079	1.511	1.943	3.238	6.477	10.795	15.113	19.431
5620	0.009	0.022	0.043	0.108	0.324	0.431	0.539	1.079	1.510	1.941	3.236	6.471	10.785	15.099	19.413
5630	0.009	0.022	0.043	0.108	0.323	0.431	0.539	1.078	1.509	1.940	3.233	6.465	10.776	15.086	19.396
5640	0.009	0.022	0.043	0.108	0.323	0.431	0.538	1.077	1.507	1.938	3.230	6.460	10.766	15.073	19.379
5650	0.009	0.022	0.043	0.108	0.323	0.430	0.538	1.076	1.506	1.936	3.227	6.454	10.757	15.059	19.362
5660	0.009	0.021	0.043	0.107	0.322	0.430	0.537	1.075	1.505	1.934	3.224	6.448	10.747	15.046	19.345
5670	0.009	0.021	0.043	0.107	0.322	0.429	0.537	1.074	1.503	1.933	3.221	6.442	10.737	15.032	19.327
5680	0.009	0.021	0.043	0.107	0.322	0.429	0.536	1.073	1.502	1.931	3.218	6.437	10.728	15.019	19.310
5690	0.009	0.021	0.043	0.107	0.322	0.429	0.536	1.072	1.501	1.929	3.216	6.431	10.719	15.006	19.293
5700	0.009	0.021	0.043	0.107	0.321	0.428	0.535	1.071	1.499	1.928	3.213	6.425	10.709	14.993	19.276
5710	0.009	0.021	0.043	0.107	0.321	0.428	0.535	1.070	1.498	1.926	3.210	6.420	10.700	14.979	19.259
5720	0.009	0.021	0.043	0.107	0.321	0.428	0.535	1.069	1.497	1.924	3.207	6.414	10.690	14.966	19.242
5730	0.009	0.021	0.043	0.107	0.320	0.427	0.534	1.068	1.495	1.923	3.204	6.408	10.681	14.953	19.225
5740	0.009	0.021	0.043	0.107	0.320	0.427	0.534	1.067	1.494	1.921	3.201	6.403	10.671	14.940	19.209
5750	0.009	0.021	0.043	0.107	0.320	0.426	0.533	1.066	1.493	1.919	3.199	6.397	10.662	14.927	19.192
5760	0.009	0.021	0.043	0.107	0.320	0.426	0.533	1.065	1.491	1.917	3.196	6.392	10.653	14.914	19.175
5770	0.009	0.021	0.043	0.106	0.319	0.426	0.532	1.064	1.490	1.916	3.193	6.386	10.643	14.901	19.158
5780	0.009	0.021	0.043	0.106	0.319	0.425	0.532	1.063	1.489	1.914	3.190	6.380	10.634	14.888	19.141
5790	0.008	0.021	0.042	0.106	0.319	0.425	0.531	1.062	1.487	1.912	3.187	6.375	10.625	14.875	19.124
5800	0.008	0.021	0.042	0.106	0.318	0.425	0.531	1.062	1.486	1.911	3.185	6.369	10.615	14.862	19.108
5810	0.008	0.021	0.042	0.106	0.318	0.424	0.530	1.061	1.485	1.909	3.182	6.364	10.606	14.849	19.091
5820	0.008	0.021	0.042	0.106	0.318	0.424	0.530	1.060	1.484	1.907	3.179	6.358	10.597	14.836	19.074
5830	0.008	0.021	0.042	0.106	0.318	0.424	0.529	1.059	1.482	1.906	3.176	6.353	10.588	14.823	19.058
5840	0.008	0.021	0.042	0.106	0.317	0.423	0.529	1.058	1.481	1.904	3.174	6.347	10.578	14.810	19.041
5850	0.008	0.021	0.042	0.106	0.317	0.423	0.528	1.057	1.480	1.902	3.171	6.342	10.569	14.797	19.025
5860	0.008	0.021	0.042	0.106	0.317	0.422	0.528	1.056	1.478	1.901	3.168	6.336	10.560	14.784	19.008
5870	0.008	0.021	0.042	0.106	0.317	0.422	0.528	1.055	1.477	1.899	3.165	6.330	10.551	14.771	18.991
5880	0.008	0.021	0.042	0.105	0.316	0.422	0.527	1.054	1.476	1.897	3.162	6.325	10.542	14.758	18.975
5890	0.008	0.021	0.042	0.105	0.316	0.421	0.527	1.053	1.475	1.896	3.160	6.319	10.532	14.745	18.958
5900	0.008	0.021	0.042	0.105	0.316	0.421	0.526	1.052	1.473	1.894	3.157	6.314	10.523	14.733	18.942

5910	0.008	0.021	0.042	0.105	0.315	0.421	0.526	1.051	1.472	1.893	3.154	6.309	10.514	14.720	18.926
5920	0.008	0.021	0.042	0.105	0.315	0.420	0.525	1.051	1.471	1.891	3.152	6.303	10.505	14.707	18.909
5930	0.008	0.021	0.042	0.105	0.315	0.420	0.525	1.050	1.469	1.889	3.149	6.298	10.496	14.694	18.893
5940	0.008	0.021	0.042	0.105	0.315	0.419	0.524	1.049	1.468	1.888	3.146	6.292	10.487	14.682	18.877
5950	0.008	0.021	0.042	0.105	0.314	0.419	0.524	1.048	1.467	1.886	3.143	6.287	10.478	14.669	18.860
5960	0.008	0.021	0.042	0.105	0.314	0.419	0.523	1.047	1.466	1.884	3.141	6.281	10.469	14.656	18.844
5970	0.008	0.021	0.042	0.105	0.314	0.418	0.523	1.046	1.464	1.883	3.138	6.276	10.460	14.644	18.828
5980	0.008	0.021	0.042	0.105	0.314	0.418	0.523	1.045	1.463	1.881	3.135	6.271	10.451	14.631	18.812
5990	0.008	0.021	0.042	0.104	0.313	0.418	0.522	1.044	1.462	1.880	3.133	6.265	10.442	14.619	18.795
6000	0.008	0.021	0.042	0.104	0.313	0.417	0.522	1.043	1.461	1.878	3.130	6.260	10.433	14.606	18.779
6010	0.008	0.021	0.042	0.104	0.313	0.417	0.521	1.042	1.459	1.876	3.127	6.254	10.424	14.594	18.763
6020	0.008	0.021	0.042	0.104	0.312	0.417	0.521	1.042	1.458	1.875	3.125	6.249	10.415	14.581	18.747
6030	0.008	0.021	0.042	0.104	0.312	0.416	0.520	1.041	1.457	1.873	3.122	6.244	10.406	14.569	18.731
6040	0.008	0.021	0.042	0.104	0.312	0.416	0.520	1.040	1.456	1.871	3.119	6.238	10.397	14.556	18.715
6050	0.008	0.021	0.042	0.104	0.312	0.416	0.519	1.039	1.454	1.870	3.116	6.233	10.388	14.544	18.699
6060	0.008	0.021	0.042	0.104	0.311	0.415	0.519	1.038	1.453	1.868	3.114	6.228	10.379	14.531	18.683
6070	0.008	0.021	0.041	0.104	0.311	0.415	0.519	1.037	1.452	1.867	3.111	6.222	10.371	14.519	18.667
6080	0.008	0.021	0.041	0.104	0.311	0.414	0.518	1.036	1.451	1.865	3.108	6.217	10.362	14.506	18.651
6090	0.008	0.021	0.041	0.104	0.311	0.414	0.518	1.035	1.449	1.864	3.106	6.212	10.353	14.494	18.635
6100	0.008	0.021	0.041	0.103	0.310	0.414	0.517	1.034	1.448	1.862	3.103	6.206	10.344	14.482	18.619
6110	0.008	0.021	0.041	0.103	0.310	0.413	0.517	1.034	1.447	1.860	3.101	6.201	10.335	14.469	18.603
6120	0.008	0.021	0.041	0.103	0.310	0.413	0.516	1.033	1.446	1.859	3.098	6.196	10.326	14.457	18.588
6130	0.008	0.021	0.041	0.103	0.310	0.413	0.516	1.032	1.444	1.857	3.095	6.191	10.318	14.445	18.572
6140	0.008	0.021	0.041	0.103	0.309	0.412	0.515	1.031	1.443	1.856	3.093	6.185	10.309	14.432	18.556
6150	0.008	0.021	0.041	0.103	0.309	0.412	0.515	1.030	1.442	1.854	3.090	6.180	10.300	14.420	18.540
6160	0.008	0.021	0.041	0.103	0.309	0.412	0.515	1.029	1.441	1.852	3.087	6.175	10.291	14.408	18.524
6170	0.008	0.021	0.041	0.103	0.308	0.411	0.514	1.028	1.440	1.851	3.085	6.170	10.283	14.396	18.509
6180	0.008	0.021	0.041	0.103	0.308	0.411	0.514	1.027	1.438	1.849	3.082	6.164	10.274	14.384	18.493
6190	0.008	0.021	0.041	0.103	0.308	0.411	0.513	1.027	1.437	1.848	3.080	6.159	10.265	14.371	18.477
6200	0.008	0.021	0.041	0.103	0.308	0.410	0.513	1.026	1.436	1.846	3.077	6.154	10.257	14.359	18.462

6210	0.008	0.020	0.041	0.102	0.307	0.410	0.512	1.025	1.435	1.845	3.074	6.149	10.248	14.347	18.446
6220	0.008	0.020	0.041	0.102	0.307	0.410	0.512	1.024	1.433	1.843	3.072	6.144	10.239	14.335	18.431
6230	0.008	0.020	0.041	0.102	0.307	0.409	0.512	1.023	1.432	1.842	3.069	6.138	10.231	14.323	18.415
6240	0.008	0.020	0.041	0.102	0.307	0.409	0.511	1.022	1.431	1.840	3.067	6.133	10.222	14.311	18.400
6250	0.008	0.020	0.041	0.102	0.306	0.409	0.511	1.021	1.430	1.838	3.064	6.128	10.213	14.299	18.384
6260	0.008	0.020	0.041	0.102	0.306	0.408	0.510	1.020	1.429	1.837	3.061	6.123	10.205	14.287	18.369
6270	0.008	0.020	0.041	0.102	0.306	0.408	0.510	1.020	1.427	1.835	3.059	6.118	10.196	14.275	18.353
6280	0.008	0.020	0.041	0.102	0.306	0.408	0.509	1.019	1.426	1.834	3.056	6.113	10.188	14.263	18.338
6290	0.008	0.020	0.041	0.102	0.305	0.407	0.509	1.018	1.425	1.832	3.054	6.107	10.179	14.251	18.322
6300	0.008	0.020	0.041	0.102	0.305	0.407	0.509	1.017	1.424	1.831	3.051	6.102	10.171	14.239	18.307
6310	0.008	0.020	0.041	0.102	0.305	0.406	0.508	1.016	1.423	1.829	3.049	6.097	10.162	14.227	18.292
6320	0.008	0.020	0.041	0.102	0.305	0.406	0.508	1.015	1.421	1.828	3.046	6.092	10.154	14.215	18.276
6330	0.008	0.020	0.041	0.101	0.304	0.406	0.507	1.015	1.420	1.826	3.044	6.087	10.145	14.203	18.261
6340	0.008	0.020	0.041	0.101	0.304	0.405	0.507	1.014	1.419	1.825	3.041	6.082	10.137	14.191	18.246
6350	0.008	0.020	0.041	0.101	0.304	0.405	0.506	1.013	1.418	1.823	3.038	6.077	10.128	14.179	18.231
6360	0.008	0.020	0.040	0.101	0.304	0.405	0.506	1.012	1.417	1.822	3.036	6.072	10.120	14.167	18.215
6370	0.008	0.020	0.040	0.101	0.303	0.404	0.506	1.011	1.416	1.820	3.033	6.067	10.111	14.156	18.200
6380	0.008	0.020	0.040	0.101	0.303	0.404	0.505	1.010	1.414	1.818	3.031	6.062	10.103	14.144	18.185
6390	0.008	0.020	0.040	0.101	0.303	0.404	0.505	1.009	1.413	1.817	3.028	6.057	10.094	14.132	18.170
6400	0.008	0.020	0.040	0.101	0.303	0.403	0.504	1.009	1.412	1.815	3.026	6.052	10.086	14.120	18.155
6410	0.008	0.020	0.040	0.101	0.302	0.403	0.504	1.008	1.411	1.814	3.023	6.047	10.078	14.109	18.140
6420	0.008	0.020	0.040	0.101	0.302	0.403	0.503	1.007	1.410	1.812	3.021	6.042	10.069	14.097	18.125
6430	0.008	0.020	0.040	0.101	0.302	0.402	0.503	1.006	1.409	1.811	3.018	6.037	10.061	14.085	18.110
6440	0.008	0.020	0.040	0.101	0.302	0.402	0.503	1.005	1.407	1.809	3.016	6.031	10.052	14.073	18.094
6450	0.008	0.020	0.040	0.100	0.301	0.402	0.502	1.004	1.406	1.808	3.013	6.026	10.044	14.062	18.079
6460	0.008	0.020	0.040	0.100	0.301	0.401	0.502	1.004	1.405	1.806	3.011	6.022	10.036	14.050	18.065
6470	0.008	0.020	0.040	0.100	0.301	0.401	0.501	1.003	1.404	1.805	3.008	6.017	10.028	14.039	18.050
6480	0.008	0.020	0.040	0.100	0.301	0.401	0.501	1.002	1.403	1.803	3.006	6.012	10.019	14.027	18.035
6490	0.008	0.020	0.040	0.100	0.300	0.400	0.501	1.001	1.402	1.802	3.003	6.007	10.011	14.015	18.020
6500	0.008	0.020	0.040	0.100	0.300	0.400	0.500	1.000	1.400	1.800	3.001	6.002	10.003	14.004	18.005

6510	0.008	0.020	0.040	0.100	0.300	0.400	0.500	0.999	1.399	1.799	2.998	5.997	9.994	13.992	17.990
6520	0.008	0.020	0.040	0.100	0.300	0.399	0.499	0.999	1.398	1.798	2.996	5.992	9.986	13.981	17.975
6530	0.008	0.020	0.040	0.100	0.299	0.399	0.499	0.998	1.397	1.796	2.993	5.987	9.978	13.969	17.960
6540	0.008	0.020	0.040	0.100	0.299	0.399	0.498	0.997	1.396	1.795	2.991	5.982	9.970	13.958	17.946
6550	0.008	0.020	0.040	0.100	0.299	0.398	0.498	0.996	1.395	1.793	2.988	5.977	9.962	13.946	17.931
6560	0.008	0.020	0.040	0.100	0.299	0.398	0.498	0.995	1.393	1.792	2.986	5.972	9.953	13.935	17.916
6570	0.008	0.020	0.040	0.099	0.298	0.398	0.497	0.995	1.392	1.790	2.984	5.967	9.945	13.923	17.901
6580	0.008	0.020	0.040	0.099	0.298	0.397	0.497	0.994	1.391	1.789	2.981	5.962	9.937	13.912	17.887
6590	0.008	0.020	0.040	0.099	0.298	0.397	0.496	0.993	1.390	1.787	2.979	5.957	9.929	13.900	17.872
6600	0.008	0.020	0.040	0.099	0.298	0.397	0.496	0.992	1.389	1.786	2.976	5.952	9.921	13.889	17.857
6610	0.008	0.020	0.040	0.099	0.297	0.397	0.496	0.991	1.388	1.784	2.974	5.948	9.913	13.878	17.843
6620	0.008	0.020	0.040	0.099	0.297	0.396	0.495	0.990	1.387	1.783	2.971	5.943	9.905	13.866	17.828
6630	0.008	0.020	0.040	0.099	0.297	0.396	0.495	0.990	1.385	1.781	2.969	5.938	9.896	13.855	17.814
6640	0.008	0.020	0.040	0.099	0.297	0.396	0.494	0.989	1.384	1.780	2.966	5.933	9.888	13.844	17.799
6650	0.008	0.020	0.040	0.099	0.296	0.395	0.494	0.988	1.383	1.778	2.964	5.928	9.880	13.832	17.784
6660	0.008	0.020	0.039	0.099	0.296	0.395	0.494	0.987	1.382	1.777	2.962	5.923	9.872	13.821	17.770
6670	0.008	0.020	0.039	0.099	0.296	0.395	0.493	0.986	1.381	1.776	2.959	5.918	9.864	13.810	17.755
6680	0.008	0.020	0.039	0.099	0.296	0.394	0.493	0.986	1.380	1.774	2.957	5.914	9.856	13.799	17.741
6690	0.008	0.020	0.039	0.098	0.295	0.394	0.492	0.985	1.379	1.773	2.954	5.909	9.848	13.787	17.727
6700	0.008	0.020	0.039	0.098	0.295	0.394	0.492	0.984	1.378	1.771	2.952	5.904	9.840	13.776	17.712
6710	0.008	0.020	0.039	0.098	0.295	0.393	0.492	0.983	1.376	1.770	2.950	5.899	9.832	13.765	17.698
6720	0.008	0.020	0.039	0.098	0.295	0.393	0.491	0.982	1.375	1.768	2.947	5.894	9.824	13.754	17.683
6730	0.008	0.020	0.039	0.098	0.294	0.393	0.491	0.982	1.374	1.767	2.945	5.890	9.816	13.743	17.669
6740	0.008	0.020	0.039	0.098	0.294	0.392	0.490	0.981	1.373	1.765	2.942	5.885	9.808	13.731	17.655
6750	0.008	0.020	0.039	0.098	0.294	0.392	0.490	0.980	1.372	1.764	2.940	5.880	9.800	13.720	17.640
6760	0.008	0.020	0.039	0.098	0.294	0.392	0.490	0.979	1.371	1.763	2.938	5.875	9.792	13.709	17.626
6770	0.008	0.020	0.039	0.098	0.294	0.391	0.489	0.978	1.370	1.761	2.935	5.871	9.784	13.698	17.612
6780	0.008	0.020	0.039	0.098	0.293	0.391	0.489	0.978	1.369	1.760	2.933	5.866	9.776	13.687	17.598
6790	0.008	0.020	0.039	0.098	0.293	0.391	0.488	0.977	1.368	1.758	2.931	5.861	9.768	13.676	17.583
6800	0.008	0.020	0.039	0.098	0.293	0.390	0.488	0.976	1.366	1.757	2.928	5.856	9.761	13.665	17.569

6810	0.008	0.020	0.039	0.098	0.293	0.390	0.488	0.975	1.365	1.755	2.926	5.852	9.753	13.654	17.555
6820	0.008	0.019	0.039	0.097	0.292	0.390	0.487	0.974	1.364	1.754	2.923	5.847	9.745	13.643	17.541
6830	0.008	0.019	0.039	0.097	0.292	0.389	0.487	0.974	1.363	1.753	2.921	5.842	9.737	13.632	17.527
6840	0.008	0.019	0.039	0.097	0.292	0.389	0.486	0.973	1.362	1.751	2.919	5.837	9.729	13.621	17.512
6850	0.008	0.019	0.039	0.097	0.292	0.389	0.486	0.972	1.361	1.750	2.916	5.833	9.721	13.610	17.498
6860	0.008	0.019	0.039	0.097	0.291	0.389	0.486	0.971	1.360	1.748	2.914	5.828	9.714	13.599	17.484
6870	0.008	0.019	0.039	0.097	0.291	0.388	0.485	0.971	1.359	1.747	2.912	5.823	9.706	13.588	17.470
6880	0.008	0.019	0.039	0.097	0.291	0.388	0.485	0.970	1.358	1.746	2.909	5.819	9.698	13.577	17.456
6890	0.008	0.019	0.039	0.097	0.291	0.388	0.485	0.969	1.357	1.744	2.907	5.814	9.690	13.566	17.442
6900	0.008	0.019	0.039	0.097	0.290	0.387	0.484	0.968	1.356	1.743	2.905	5.809	9.682	13.555	17.428
6910	0.008	0.019	0.039	0.097	0.290	0.387	0.484	0.967	1.354	1.741	2.902	5.805	9.675	13.544	17.414
6920	0.008	0.019	0.039	0.097	0.290	0.387	0.483	0.967	1.353	1.740	2.900	5.800	9.667	13.534	17.400
6930	0.008	0.019	0.039	0.097	0.290	0.386	0.483	0.966	1.352	1.739	2.898	5.795	9.659	13.523	17.386
6940	0.008	0.019	0.039	0.097	0.290	0.386	0.483	0.965	1.351	1.737	2.895	5.791	9.651	13.512	17.372
6950	0.008	0.019	0.039	0.096	0.289	0.386	0.482	0.964	1.350	1.736	2.893	5.786	9.644	13.501	17.359
6960	0.008	0.019	0.039	0.096	0.289	0.385	0.482	0.964	1.349	1.734	2.891	5.782	9.636	13.490	17.345
6970	0.008	0.019	0.039	0.096	0.289	0.385	0.481	0.963	1.348	1.733	2.888	5.777	9.628	13.480	17.331
6980	0.008	0.019	0.038	0.096	0.289	0.385	0.481	0.962	1.347	1.732	2.886	5.772	9.621	13.469	17.317
6990	0.008	0.019	0.038	0.096	0.288	0.385	0.481	0.961	1.346	1.730	2.884	5.768	9.613	13.458	17.303
7000	0.008	0.019	0.038	0.096	0.288	0.384	0.480	0.961	1.345	1.729	2.882	5.763	9.605	13.447	17.289
7010	0.008	0.019	0.038	0.096	0.288	0.384	0.480	0.960	1.344	1.728	2.879	5.759	9.598	13.437	17.276
7020	0.008	0.019	0.038	0.096	0.288	0.384	0.479	0.959	1.343	1.726	2.877	5.754	9.590	13.426	17.262
7030	0.008	0.019	0.038	0.096	0.287	0.383	0.479	0.958	1.342	1.725	2.875	5.749	9.582	13.415	17.248
7040	0.008	0.019	0.038	0.096	0.287	0.383	0.479	0.957	1.340	1.723	2.872	5.745	9.575	13.405	17.235
7050	0.008	0.019	0.038	0.096	0.287	0.383	0.478	0.957	1.339	1.722	2.870	5.740	9.567	13.394	17.221
7060	0.008	0.019	0.038	0.096	0.287	0.382	0.478	0.956	1.338	1.721	2.868	5.736	9.560	13.383	17.207
7070	0.008	0.019	0.038	0.096	0.287	0.382	0.478	0.955	1.337	1.719	2.866	5.731	9.552	13.373	17.194
7080	0.008	0.019	0.038	0.095	0.286	0.382	0.477	0.954	1.336	1.718	2.863	5.727	9.544	13.362	17.180
7090	0.008	0.019	0.038	0.095	0.286	0.381	0.477	0.954	1.335	1.717	2.861	5.722	9.537	13.352	17.166
7100	0.008	0.019	0.038	0.095	0.286	0.381	0.476	0.953	1.334	1.715	2.859	5.718	9.529	13.341	17.153

7110	0.008	0.019	0.038	0.095	0.286	0.381	0.476	0.952	1.333	1.714	2.857	5.713	9.522	13.330	17.139
7120	0.008	0.019	0.038	0.095	0.285	0.381	0.476	0.951	1.332	1.713	2.854	5.709	9.514	13.320	17.126
7130	0.008	0.019	0.038	0.095	0.285	0.380	0.475	0.951	1.331	1.711	2.852	5.704	9.507	13.309	17.112
7140	0.008	0.019	0.038	0.095	0.285	0.380	0.475	0.950	1.330	1.710	2.850	5.700	9.499	13.299	17.099
7150	0.008	0.019	0.038	0.095	0.285	0.380	0.475	0.949	1.329	1.709	2.848	5.695	9.492	13.288	17.085
7160	0.008	0.019	0.038	0.095	0.285	0.379	0.474	0.948	1.328	1.707	2.845	5.691	9.484	13.278	17.072
7170	0.008	0.019	0.038	0.095	0.284	0.379	0.474	0.948	1.327	1.706	2.843	5.686	9.477	13.267	17.058
7180	0.008	0.019	0.038	0.095	0.284	0.379	0.473	0.947	1.326	1.704	2.841	5.682	9.469	13.257	17.045
7190	0.008	0.019	0.038	0.095	0.284	0.378	0.473	0.946	1.325	1.703	2.839	5.677	9.462	13.247	17.031
7200	0.008	0.019	0.038	0.095	0.284	0.378	0.473	0.945	1.324	1.702	2.836	5.673	9.454	13.236	17.018
7210	0.008	0.019	0.038	0.094	0.283	0.378	0.472	0.945	1.323	1.700	2.834	5.668	9.447	13.226	17.005
7220	0.008	0.019	0.038	0.094	0.283	0.378	0.472	0.944	1.322	1.699	2.832	5.664	9.440	13.215	16.991
7230	0.008	0.019	0.038	0.094	0.283	0.377	0.472	0.943	1.321	1.698	2.830	5.659	9.432	13.205	16.978
7240	0.008	0.019	0.038	0.094	0.283	0.377	0.471	0.942	1.319	1.696	2.827	5.655	9.425	13.195	16.965
7250	0.008	0.019	0.038	0.094	0.283	0.377	0.471	0.942	1.318	1.695	2.825	5.650	9.417	13.184	16.951
7260	0.008	0.019	0.038	0.094	0.282	0.376	0.471	0.941	1.317	1.694	2.823	5.646	9.410	13.174	16.938
7270	0.008	0.019	0.038	0.094	0.282	0.376	0.470	0.940	1.316	1.692	2.821	5.642	9.403	13.164	16.925
7280	0.008	0.019	0.038	0.094	0.282	0.376	0.470	0.940	1.315	1.691	2.819	5.637	9.395	13.153	16.912
7290	0.008	0.019	0.038	0.094	0.282	0.376	0.469	0.939	1.314	1.690	2.816	5.633	9.388	13.143	16.898
7300	0.008	0.019	0.038	0.094	0.281	0.375	0.469	0.938	1.313	1.689	2.814	5.628	9.381	13.133	16.885
7310	0.007	0.019	0.037	0.094	0.281	0.375	0.469	0.937	1.312	1.687	2.812	5.624	9.373	13.123	16.872
7320	0.007	0.019	0.037	0.094	0.281	0.375	0.468	0.937	1.311	1.686	2.810	5.620	9.366	13.112	16.859
7330	0.007	0.019	0.037	0.094	0.281	0.374	0.468	0.936	1.310	1.685	2.808	5.615	9.359	13.102	16.846
7340	0.007	0.019	0.037	0.094	0.281	0.374	0.468	0.935	1.309	1.683	2.805	5.611	9.351	13.092	16.832
7350	0.007	0.019	0.037	0.093	0.280	0.374	0.467	0.934	1.308	1.682	2.803	5.606	9.344	13.082	16.819
7360	0.007	0.019	0.037	0.093	0.280	0.373	0.467	0.934	1.307	1.681	2.801	5.602	9.337	13.072	16.806
7370	0.007	0.019	0.037	0.093	0.280	0.373	0.466	0.933	1.306	1.679	2.799	5.598	9.330	13.061	16.793
7380	0.007	0.019	0.037	0.093	0.280	0.373	0.466	0.932	1.305	1.678	2.797	5.593	9.322	13.051	16.780
7390	0.007	0.019	0.037	0.093	0.279	0.373	0.466	0.932	1.304	1.677	2.795	5.589	9.315	13.041	16.767
7400	0.007	0.019	0.037	0.093	0.279	0.372	0.465	0.931	1.303	1.675	2.792	5.585	9.308	13.031	16.754

7410	0.007	0.019	0.037	0.093	0.279	0.372	0.465	0.930	1.302	1.674	2.790	5.580	9.301	13.021	16.741
7420	0.007	0.019	0.037	0.093	0.279	0.372	0.465	0.929	1.301	1.673	2.788	5.576	9.293	13.011	16.728
7430	0.007	0.019	0.037	0.093	0.279	0.371	0.464	0.929	1.300	1.672	2.786	5.572	9.286	13.001	16.715
7440	0.007	0.019	0.037	0.093	0.278	0.371	0.464	0.928	1.299	1.670	2.784	5.567	9.279	12.991	16.702
7450	0.007	0.019	0.037	0.093	0.278	0.371	0.464	0.927	1.298	1.669	2.782	5.563	9.272	12.981	16.689
7460	0.007	0.019	0.037	0.093	0.278	0.371	0.463	0.926	1.297	1.668	2.779	5.559	9.265	12.971	16.676
7470	0.007	0.019	0.037	0.093	0.278	0.370	0.463	0.926	1.296	1.666	2.777	5.555	9.258	12.961	16.664
7480	0.007	0.019	0.037	0.093	0.278	0.370	0.463	0.925	1.295	1.665	2.775	5.550	9.250	12.951	16.651
7490	0.007	0.018	0.037	0.092	0.277	0.370	0.462	0.924	1.294	1.664	2.773	5.546	9.243	12.941	16.638
7500	0.007	0.018	0.037	0.092	0.277	0.369	0.462	0.924	1.293	1.662	2.771	5.542	9.236	12.931	16.625
7510	0.007	0.018	0.037	0.092	0.277	0.369	0.461	0.923	1.292	1.661	2.769	5.537	9.229	12.921	16.612
7520	0.007	0.018	0.037	0.092	0.277	0.369	0.461	0.922	1.291	1.660	2.767	5.533	9.222	12.911	16.599
7530	0.007	0.018	0.037	0.092	0.276	0.369	0.461	0.921	1.290	1.659	2.764	5.529	9.215	12.901	16.587
7540	0.007	0.018	0.037	0.092	0.276	0.368	0.460	0.921	1.289	1.657	2.762	5.525	9.208	12.891	16.574
7550	0.007	0.018	0.037	0.092	0.276	0.368	0.460	0.920	1.288	1.656	2.760	5.520	9.201	12.881	16.561
7560	0.007	0.018	0.037	0.092	0.276	0.368	0.460	0.919	1.287	1.655	2.758	5.516	9.194	12.871	16.548
7570	0.007	0.018	0.037	0.092	0.276	0.367	0.459	0.919	1.286	1.654	2.756	5.512	9.186	12.861	16.536
7580	0.007	0.018	0.037	0.092	0.275	0.367	0.459	0.918	1.285	1.652	2.754	5.508	9.179	12.851	16.523
7590	0.007	0.018	0.037	0.092	0.275	0.367	0.459	0.917	1.284	1.651	2.752	5.503	9.172	12.841	16.510
7600	0.007	0.018	0.037	0.092	0.275	0.367	0.458	0.917	1.283	1.650	2.750	5.499	9.165	12.831	16.498
7610	0.007	0.018	0.037	0.092	0.275	0.366	0.458	0.916	1.282	1.648	2.747	5.495	9.158	12.822	16.485
7620	0.007	0.018	0.037	0.092	0.275	0.366	0.458	0.915	1.281	1.647	2.745	5.491	9.151	12.812	16.472
7630	0.007	0.018	0.037	0.091	0.274	0.366	0.457	0.914	1.280	1.646	2.743	5.487	9.144	12.802	16.460
7640	0.007	0.018	0.037	0.091	0.274	0.365	0.457	0.914	1.279	1.645	2.741	5.482	9.137	12.792	16.447
7650	0.007	0.018	0.037	0.091	0.274	0.365	0.457	0.913	1.278	1.643	2.739	5.478	9.130	12.782	16.435
7660	0.007	0.018	0.036	0.091	0.274	0.365	0.456	0.912	1.277	1.642	2.737	5.474	9.123	12.773	16.422
7670	0.007	0.018	0.036	0.091	0.273	0.365	0.456	0.912	1.276	1.641	2.735	5.470	9.116	12.763	16.409
7680	0.007	0.018	0.036	0.091	0.273	0.364	0.455	0.911	1.275	1.640	2.733	5.466	9.109	12.753	16.397
7690	0.007	0.018	0.036	0.091	0.273	0.364	0.455	0.910	1.274	1.638	2.731	5.461	9.102	12.743	16.384
7700	0.007	0.018	0.036	0.091	0.273	0.364	0.455	0.910	1.273	1.637	2.729	5.457	9.096	12.734	16.372

7710	0.007	0.018	0.036	0.091	0.273	0.364	0.454	0.909	1.272	1.636	2.727	5.453	9.089	12.724	16.359
7720	0.007	0.018	0.036	0.091	0.272	0.363	0.454	0.908	1.271	1.635	2.725	5.449	9.082	12.714	16.347
7730	0.007	0.018	0.036	0.091	0.272	0.363	0.454	0.907	1.270	1.633	2.722	5.445	9.075	12.705	16.335
7740	0.007	0.018	0.036	0.091	0.272	0.363	0.453	0.907	1.270	1.632	2.720	5.441	9.068	12.695	16.322
7750	0.007	0.018	0.036	0.091	0.272	0.362	0.453	0.906	1.269	1.631	2.718	5.437	9.061	12.685	16.310
7760	0.007	0.018	0.036	0.091	0.272	0.362	0.453	0.905	1.268	1.630	2.716	5.432	9.054	12.676	16.297
7770	0.007	0.018	0.036	0.090	0.271	0.362	0.452	0.905	1.267	1.629	2.714	5.428	9.047	12.666	16.285
7780	0.007	0.018	0.036	0.090	0.271	0.362	0.452	0.904	1.266	1.627	2.712	5.424	9.040	12.657	16.273
7790	0.007	0.018	0.036	0.090	0.271	0.361	0.452	0.903	1.265	1.626	2.710	5.420	9.034	12.647	16.260
7800	0.007	0.018	0.036	0.090	0.271	0.361	0.451	0.903	1.264	1.625	2.708	5.416	9.027	12.637	16.248
7810	0.007	0.018	0.036	0.090	0.271	0.361	0.451	0.902	1.263	1.624	2.706	5.412	9.020	12.628	16.236
7820	0.007	0.018	0.036	0.090	0.270	0.361	0.451	0.901	1.262	1.622	2.704	5.408	9.013	12.618	16.223
7830	0.007	0.018	0.036	0.090	0.270	0.360	0.450	0.901	1.261	1.621	2.702	5.404	9.006	12.609	16.211
7840	0.007	0.018	0.036	0.090	0.270	0.360	0.450	0.900	1.260	1.620	2.700	5.400	8.999	12.599	16.199
7850	0.007	0.018	0.036	0.090	0.270	0.360	0.450	0.899	1.259	1.619	2.698	5.396	8.993	12.590	16.187
7860	0.007	0.018	0.036	0.090	0.270	0.359	0.449	0.899	1.258	1.617	2.696	5.391	8.986	12.580	16.174
7870	0.007	0.018	0.036	0.090	0.269	0.359	0.449	0.898	1.257	1.616	2.694	5.387	8.979	12.571	16.162
7880	0.007	0.018	0.036	0.090	0.269	0.359	0.449	0.897	1.256	1.615	2.692	5.383	8.972	12.561	16.150
7890	0.007	0.018	0.036	0.090	0.269	0.359	0.448	0.897	1.255	1.614	2.690	5.379	8.965	12.552	16.138
7900	0.007	0.018	0.036	0.090	0.269	0.358	0.448	0.896	1.254	1.613	2.688	5.375	8.959	12.542	16.126
7910	0.007	0.018	0.036	0.090	0.269	0.358	0.448	0.895	1.253	1.611	2.686	5.371	8.952	12.533	16.114
7920	0.007	0.018	0.036	0.089	0.268	0.358	0.447	0.895	1.252	1.610	2.684	5.367	8.945	12.523	16.101
7930	0.007	0.018	0.036	0.089	0.268	0.358	0.447	0.894	1.251	1.609	2.682	5.363	8.939	12.514	16.089
7940	0.007	0.018	0.036	0.089	0.268	0.357	0.447	0.893	1.250	1.608	2.680	5.359	8.932	12.504	16.077
7950	0.007	0.018	0.036	0.089	0.268	0.357	0.446	0.893	1.250	1.607	2.678	5.355	8.925	12.495	16.065
7960	0.007	0.018	0.036	0.089	0.268	0.357	0.446	0.892	1.249	1.605	2.676	5.351	8.918	12.486	16.053
7970	0.007	0.018	0.036	0.089	0.267	0.356	0.446	0.891	1.248	1.604	2.674	5.347	8.912	12.476	16.041
7980	0.007	0.018	0.036	0.089	0.267	0.356	0.445	0.890	1.247	1.603	2.671	5.343	8.905	12.467	16.029
7990	0.007	0.018	0.036	0.089	0.267	0.356	0.445	0.890	1.246	1.602	2.669	5.339	8.898	12.458	16.017
8000	0.007	0.018	0.036	0.089	0.267	0.356	0.445	0.889	1.245	1.600	2.667	5.335	8.892	12.448	16.005

8010	0.007	0.018	0.036	0.089	0.267	0.355	0.444	0.888	1.244	1.599	2.665	5.331	8.885	12.439	15.993
8020	0.007	0.018	0.036	0.089	0.266	0.355	0.444	0.888	1.243	1.598	2.664	5.327	8.878	12.430	15.981
8030	0.007	0.018	0.035	0.089	0.266	0.355	0.444	0.887	1.242	1.597	2.662	5.323	8.872	12.420	15.969
8040	0.007	0.018	0.035	0.089	0.266	0.355	0.443	0.887	1.241	1.596	2.660	5.319	8.865	12.411	15.957
8050	0.007	0.018	0.035	0.089	0.266	0.354	0.443	0.886	1.240	1.595	2.658	5.315	8.858	12.402	15.945
8060	0.007	0.018	0.035	0.089	0.266	0.354	0.443	0.885	1.239	1.593	2.656	5.311	8.852	12.393	15.933
8070	0.007	0.018	0.035	0.088	0.265	0.354	0.442	0.885	1.238	1.592	2.654	5.307	8.845	12.383	15.921
8080	0.007	0.018	0.035	0.088	0.265	0.354	0.442	0.884	1.237	1.591	2.652	5.303	8.839	12.374	15.910
8090	0.007	0.018	0.035	0.088	0.265	0.353	0.442	0.883	1.236	1.590	2.650	5.299	8.832	12.365	15.898
8100	0.007	0.018	0.035	0.088	0.265	0.353	0.441	0.883	1.236	1.589	2.648	5.295	8.825	12.356	15.886
8110	0.007	0.018	0.035	0.088	0.265	0.353	0.441	0.882	1.235	1.587	2.646	5.291	8.819	12.346	15.874
8120	0.007	0.018	0.035	0.088	0.264	0.352	0.441	0.881	1.234	1.586	2.644	5.287	8.812	12.337	15.862
8130	0.007	0.018	0.035	0.088	0.264	0.352	0.440	0.881	1.233	1.585	2.642	5.283	8.806	12.328	15.850
8140	0.007	0.018	0.035	0.088	0.264	0.352	0.440	0.880	1.232	1.584	2.640	5.280	8.799	12.319	15.839
8150	0.007	0.018	0.035	0.088	0.264	0.352	0.440	0.879	1.231	1.583	2.638	5.276	8.793	12.310	15.827
8160	0.007	0.018	0.035	0.088	0.264	0.351	0.439	0.879	1.230	1.582	2.636	5.272	8.786	12.301	15.815
8170	0.007	0.018	0.035	0.088	0.263	0.351	0.439	0.878	1.229	1.580	2.634	5.268	8.780	12.291	15.803
8180	0.007	0.018	0.035	0.088	0.263	0.351	0.439	0.877	1.228	1.579	2.632	5.264	8.773	12.282	15.792
8190	0.007	0.018	0.035	0.088	0.263	0.351	0.438	0.877	1.227	1.578	2.630	5.260	8.767	12.273	15.780
8200	0.007	0.018	0.035	0.088	0.263	0.350	0.438	0.876	1.226	1.577	2.628	5.256	8.760	12.264	15.768
8210	0.007	0.018	0.035	0.088	0.263	0.350	0.438	0.875	1.226	1.576	2.626	5.252	8.754	12.255	15.757
8220	0.007	0.017	0.035	0.087	0.262	0.350	0.437	0.875	1.225	1.574	2.624	5.248	8.747	12.246	15.745
8230	0.007	0.017	0.035	0.087	0.262	0.350	0.437	0.874	1.224	1.573	2.622	5.244	8.741	12.237	15.733
8240	0.007	0.017	0.035	0.087	0.262	0.349	0.437	0.873	1.223	1.572	2.620	5.241	8.734	12.228	15.722
8250	0.007	0.017	0.035	0.087	0.262	0.349	0.436	0.873	1.222	1.571	2.618	5.237	8.728	12.219	15.710
8260	0.007	0.017	0.035	0.087	0.262	0.349	0.436	0.872	1.221	1.570	2.616	5.233	8.721	12.210	15.698
8270	0.007	0.017	0.035	0.087	0.261	0.349	0.436	0.871	1.220	1.569	2.614	5.229	8.715	12.201	15.687
8280	0.007	0.017	0.035	0.087	0.261	0.348	0.435	0.871	1.219	1.568	2.613	5.225	8.708	12.192	15.675
8290	0.007	0.017	0.035	0.087	0.261	0.348	0.435	0.870	1.218	1.566	2.611	5.221	8.702	12.183	15.664
8300	0.007	0.017	0.035	0.087	0.261	0.348	0.435	0.870	1.217	1.565	2.609	5.217	8.696	12.174	15.652

8310	0.007	0.017	0.035	0.087	0.261	0.348	0.434	0.869	1.216	1.564	2.607	5.214	8.689	12.165	15.641
8320	0.007	0.017	0.035	0.087	0.260	0.347	0.434	0.868	1.216	1.563	2.605	5.210	8.683	12.156	15.629
8330	0.007	0.017	0.035	0.087	0.260	0.347	0.434	0.868	1.215	1.562	2.603	5.206	8.676	12.147	15.618
8340	0.007	0.017	0.035	0.087	0.260	0.347	0.434	0.867	1.214	1.561	2.601	5.202	8.670	12.138	15.606
8350	0.007	0.017	0.035	0.087	0.260	0.347	0.433	0.866	1.213	1.559	2.599	5.198	8.664	12.129	15.595
8360	0.007	0.017	0.035	0.087	0.260	0.346	0.433	0.866	1.212	1.558	2.597	5.194	8.657	12.120	15.583
8370	0.007	0.017	0.035	0.087	0.260	0.346	0.433	0.865	1.211	1.557	2.595	5.191	8.651	12.111	15.572
8380	0.007	0.017	0.035	0.086	0.259	0.346	0.432	0.864	1.210	1.556	2.593	5.187	8.645	12.102	15.560
8390	0.007	0.017	0.035	0.086	0.259	0.346	0.432	0.864	1.209	1.555	2.591	5.183	8.638	12.094	15.549
8400	0.007	0.017	0.035	0.086	0.259	0.345	0.432	0.863	1.208	1.554	2.590	5.179	8.632	12.085	15.537
8410	0.007	0.017	0.035	0.086	0.259	0.345	0.431	0.863	1.208	1.553	2.588	5.175	8.626	12.076	15.526
8420	0.007	0.017	0.034	0.086	0.259	0.345	0.431	0.862	1.207	1.551	2.586	5.172	8.619	12.067	15.515
8430	0.007	0.017	0.034	0.086	0.258	0.345	0.431	0.861	1.206	1.550	2.584	5.168	8.613	12.058	15.503
8440	0.007	0.017	0.034	0.086	0.258	0.344	0.430	0.861	1.205	1.549	2.582	5.164	8.607	12.049	15.492
8450	0.007	0.017	0.034	0.086	0.258	0.344	0.430	0.860	1.204	1.548	2.580	5.160	8.600	12.040	15.481
8460	0.007	0.017	0.034	0.086	0.258	0.344	0.430	0.859	1.203	1.547	2.578	5.156	8.594	12.032	15.469
8470	0.007	0.017	0.034	0.086	0.258	0.344	0.429	0.859	1.202	1.546	2.576	5.153	8.588	12.023	15.458
8480	0.007	0.017	0.034	0.086	0.257	0.343	0.429	0.858	1.201	1.545	2.574	5.149	8.581	12.014	15.447
8490	0.007	0.017	0.034	0.086	0.257	0.343	0.429	0.858	1.201	1.544	2.573	5.145	8.575	12.005	15.435
8500	0.007	0.017	0.034	0.086	0.257	0.343	0.428	0.857	1.200	1.542	2.571	5.141	8.569	11.997	15.424
8510	0.007	0.017	0.034	0.086	0.257	0.343	0.428	0.856	1.199	1.541	2.569	5.138	8.563	11.988	15.413
8520	0.007	0.017	0.034	0.086	0.257	0.342	0.428	0.856	1.198	1.540	2.567	5.134	8.556	11.979	15.402
8530	0.007	0.017	0.034	0.086	0.257	0.342	0.428	0.855	1.197	1.539	2.565	5.130	8.550	11.970	15.390
8540	0.007	0.017	0.034	0.085	0.256	0.342	0.427	0.854	1.196	1.538	2.563	5.126	8.544	11.962	15.379
8550	0.007	0.017	0.034	0.085	0.256	0.342	0.427	0.854	1.195	1.537	2.561	5.123	8.538	11.953	15.368
8560	0.007	0.017	0.034	0.085	0.256	0.341	0.427	0.853	1.194	1.536	2.559	5.119	8.532	11.944	15.357
8570	0.007	0.017	0.034	0.085	0.256	0.341	0.426	0.853	1.194	1.535	2.558	5.115	8.525	11.936	15.346
8580	0.007	0.017	0.034	0.085	0.256	0.341	0.426	0.852	1.193	1.533	2.556	5.112	8.519	11.927	15.335
8590	0.007	0.017	0.034	0.085	0.255	0.341	0.426	0.851	1.192	1.532	2.554	5.108	8.513	11.918	15.323
8600	0.007	0.017	0.034	0.085	0.255	0.340	0.425	0.851	1.191	1.531	2.552	5.104	8.507	11.910	15.312

8610	0.007	0.017	0.034	0.085	0.255	0.340	0.425	0.850	1.190	1.530	2.550	5.100	8.501	11.901	15.301
8620	0.007	0.017	0.034	0.085	0.255	0.340	0.425	0.849	1.189	1.529	2.548	5.097	8.494	11.892	15.290
8630	0.007	0.017	0.034	0.085	0.255	0.340	0.424	0.849	1.188	1.528	2.546	5.093	8.488	11.884	15.279
8640	0.007	0.017	0.034	0.085	0.254	0.339	0.424	0.848	1.188	1.527	2.545	5.089	8.482	11.875	15.268
8650	0.007	0.017	0.034	0.085	0.254	0.339	0.424	0.848	1.187	1.526	2.543	5.086	8.476	11.866	15.257
8660	0.007	0.017	0.034	0.085	0.254	0.339	0.423	0.847	1.186	1.525	2.541	5.082	8.470	11.858	15.246
8670	0.007	0.017	0.034	0.085	0.254	0.339	0.423	0.846	1.185	1.523	2.539	5.078	8.464	11.849	15.235
8680	0.007	0.017	0.034	0.085	0.254	0.338	0.423	0.846	1.184	1.522	2.537	5.075	8.458	11.841	15.224
8690	0.007	0.017	0.034	0.085	0.254	0.338	0.423	0.845	1.183	1.521	2.535	5.071	8.452	11.832	15.213
8700	0.007	0.017	0.034	0.084	0.253	0.338	0.422	0.845	1.182	1.520	2.534	5.067	8.445	11.824	15.202
8710	0.007	0.017	0.034	0.084	0.253	0.338	0.422	0.844	1.182	1.519	2.532	5.064	8.439	11.815	15.191
8720	0.007	0.017	0.034	0.084	0.253	0.337	0.422	0.843	1.181	1.518	2.530	5.060	8.433	11.807	15.180
8730	0.007	0.017	0.034	0.084	0.253	0.337	0.421	0.843	1.180	1.517	2.528	5.056	8.427	11.798	15.169
8740	0.007	0.017	0.034	0.084	0.253	0.337	0.421	0.842	1.179	1.516	2.526	5.053	8.421	11.789	15.158
8750	0.007	0.017	0.034	0.084	0.252	0.337	0.421	0.841	1.178	1.515	2.524	5.049	8.415	11.781	15.147
8760	0.007	0.017	0.034	0.084	0.252	0.336	0.420	0.841	1.177	1.514	2.523	5.045	8.409	11.772	15.136
8770	0.007	0.017	0.034	0.084	0.252	0.336	0.420	0.840	1.176	1.513	2.521	5.042	8.403	11.764	15.125
8780	0.007	0.017	0.034	0.084	0.252	0.336	0.420	0.840	1.176	1.511	2.519	5.038	8.397	11.756	15.114
8790	0.007	0.017	0.034	0.084	0.252	0.336	0.420	0.839	1.175	1.510	2.517	5.034	8.391	11.747	15.103
8800	0.007	0.017	0.034	0.084	0.252	0.335	0.419	0.838	1.174	1.509	2.515	5.031	8.385	11.739	15.093
8810	0.007	0.017	0.034	0.084	0.251	0.335	0.419	0.838	1.173	1.508	2.514	5.027	8.379	11.730	15.082
8820	0.007	0.017	0.033	0.084	0.251	0.335	0.419	0.837	1.172	1.507	2.512	5.024	8.373	11.722	15.071
8830	0.007	0.017	0.033	0.084	0.251	0.335	0.418	0.837	1.171	1.506	2.510	5.020	8.367	11.713	15.060
8840	0.007	0.017	0.033	0.084	0.251	0.334	0.418	0.836	1.170	1.505	2.508	5.016	8.361	11.705	15.049
8850	0.007	0.017	0.033	0.084	0.251	0.334	0.418	0.835	1.170	1.504	2.506	5.013	8.355	11.697	15.038
8860	0.007	0.017	0.033	0.083	0.250	0.334	0.417	0.835	1.169	1.503	2.505	5.009	8.349	11.688	15.028
8870	0.007	0.017	0.033	0.083	0.250	0.334	0.417	0.834	1.168	1.502	2.503	5.006	8.343	11.680	15.017
8880	0.007	0.017	0.033	0.083	0.250	0.333	0.417	0.834	1.167	1.501	2.501	5.002	8.337	11.671	15.006
8890	0.007	0.017	0.033	0.083	0.250	0.333	0.417	0.833	1.166	1.500	2.499	4.998	8.331	11.663	14.995
8900	0.007	0.017	0.033	0.083	0.250	0.333	0.416	0.832	1.165	1.498	2.497	4.995	8.325	11.655	14.985

8910	0.007	0.017	0.033	0.083	0.250	0.333	0.416	0.832	1.165	1.497	2.496	4.991	8.319	11.646	14.974
8920	0.007	0.017	0.033	0.083	0.249	0.333	0.416	0.831	1.164	1.496	2.494	4.988	8.313	11.638	14.963
8930	0.007	0.017	0.033	0.083	0.249	0.332	0.415	0.831	1.163	1.495	2.492	4.984	8.307	11.630	14.953
8940	0.007	0.017	0.033	0.083	0.249	0.332	0.415	0.830	1.162	1.494	2.490	4.981	8.301	11.621	14.942
8950	0.007	0.017	0.033	0.083	0.249	0.332	0.415	0.830	1.161	1.493	2.489	4.977	8.295	11.613	14.931
8960	0.007	0.017	0.033	0.083	0.249	0.332	0.414	0.829	1.160	1.492	2.487	4.974	8.289	11.605	14.921
8970	0.007	0.017	0.033	0.083	0.248	0.331	0.414	0.828	1.160	1.491	2.485	4.970	8.283	11.597	14.910
8980	0.007	0.017	0.033	0.083	0.248	0.331	0.414	0.828	1.159	1.490	2.483	4.966	8.277	11.588	14.899
8990	0.007	0.017	0.033	0.083	0.248	0.331	0.414	0.827	1.158	1.489	2.481	4.963	8.271	11.580	14.889
9000	0.007	0.017	0.033	0.083	0.248	0.331	0.413	0.827	1.157	1.488	2.480	4.959	8.266	11.572	14.878
9010	0.007	0.017	0.033	0.083	0.248	0.330	0.413	0.826	1.156	1.487	2.478	4.956	8.260	11.564	14.867
9020	0.007	0.017	0.033	0.083	0.248	0.330	0.413	0.825	1.156	1.486	2.476	4.952	8.254	11.555	14.857
9030	0.007	0.016	0.033	0.082	0.247	0.330	0.412	0.825	1.155	1.485	2.474	4.949	8.248	11.547	14.846
9040	0.007	0.016	0.033	0.082	0.247	0.330	0.412	0.824	1.154	1.484	2.473	4.945	8.242	11.539	14.836
9050	0.007	0.016	0.033	0.082	0.247	0.329	0.412	0.824	1.153	1.483	2.471	4.942	8.236	11.531	14.825
9060	0.007	0.016	0.033	0.082	0.247	0.329	0.412	0.823	1.152	1.481	2.469	4.938	8.230	11.523	14.815
9070	0.007	0.016	0.033	0.082	0.247	0.329	0.411	0.822	1.151	1.480	2.467	4.935	8.225	11.514	14.804
9080	0.007	0.016	0.033	0.082	0.247	0.329	0.411	0.822	1.151	1.479	2.466	4.931	8.219	11.506	14.794
9090	0.007	0.016	0.033	0.082	0.246	0.329	0.411	0.821	1.150	1.478	2.464	4.928	8.213	11.498	14.783
9100	0.007	0.016	0.033	0.082	0.246	0.328	0.410	0.821	1.149	1.477	2.462	4.924	8.207	11.490	14.773
9110	0.007	0.016	0.033	0.082	0.246	0.328	0.410	0.820	1.148	1.476	2.460	4.921	8.201	11.482	14.762
9120	0.007	0.016	0.033	0.082	0.246	0.328	0.410	0.820	1.147	1.475	2.459	4.917	8.195	11.474	14.752
9130	0.007	0.016	0.033	0.082	0.246	0.328	0.409	0.819	1.147	1.474	2.457	4.914	8.190	11.465	14.741
9140	0.007	0.016	0.033	0.082	0.246	0.327	0.409	0.818	1.146	1.473	2.455	4.910	8.184	11.457	14.731
9150	0.007	0.016	0.033	0.082	0.245	0.327	0.409	0.818	1.145	1.472	2.453	4.907	8.178	11.449	14.720
9160	0.007	0.016	0.033	0.082	0.245	0.327	0.409	0.817	1.144	1.471	2.452	4.903	8.172	11.441	14.710
9170	0.007	0.016	0.033	0.082	0.245	0.327	0.408	0.817	1.143	1.470	2.450	4.900	8.166	11.433	14.700
9180	0.007	0.016	0.033	0.082	0.245	0.326	0.408	0.816	1.142	1.469	2.448	4.896	8.161	11.425	14.689
9190	0.007	0.016	0.033	0.082	0.245	0.326	0.408	0.815	1.142	1.468	2.446	4.893	8.155	11.417	14.679
9200	0.007	0.016	0.033	0.081	0.244	0.326	0.407	0.815	1.141	1.467	2.445	4.889	8.149	11.409	14.668

9210	0.007	0.016	0.033	0.081	0.244	0.326	0.407	0.814	1.140	1.466	2.443	4.886	8.143	11.401	14.658
9220	0.007	0.016	0.033	0.081	0.244	0.326	0.407	0.814	1.139	1.465	2.441	4.883	8.138	11.393	14.648
9230	0.007	0.016	0.033	0.081	0.244	0.325	0.407	0.813	1.138	1.464	2.440	4.879	8.132	11.385	14.637
9240	0.007	0.016	0.033	0.081	0.244	0.325	0.406	0.813	1.138	1.463	2.438	4.876	8.126	11.377	14.627
9250	0.006	0.016	0.032	0.081	0.244	0.325	0.406	0.812	1.137	1.462	2.436	4.872	8.120	11.369	14.617
9260	0.006	0.016	0.032	0.081	0.243	0.325	0.406	0.811	1.136	1.461	2.434	4.869	8.115	11.361	14.607
9270	0.006	0.016	0.032	0.081	0.243	0.324	0.405	0.811	1.135	1.460	2.433	4.865	8.109	11.353	14.596
9280	0.006	0.016	0.032	0.081	0.243	0.324	0.405	0.810	1.134	1.459	2.431	4.862	8.103	11.345	14.586
9290	0.006	0.016	0.032	0.081	0.243	0.324	0.405	0.810	1.134	1.458	2.429	4.859	8.098	11.337	14.576
9300	0.006	0.016	0.032	0.081	0.243	0.324	0.405	0.809	1.133	1.457	2.428	4.855	8.092	11.329	14.566
9310	0.006	0.016	0.032	0.081	0.243	0.323	0.404	0.809	1.132	1.456	2.426	4.852	8.086	11.321	14.555
9320	0.006	0.016	0.032	0.081	0.242	0.323	0.404	0.808	1.131	1.455	2.424	4.848	8.081	11.313	14.545
9330	0.006	0.016	0.032	0.081	0.242	0.323	0.404	0.807	1.130	1.453	2.422	4.845	8.075	11.305	14.535
9340	0.006	0.016	0.032	0.081	0.242	0.323	0.403	0.807	1.130	1.452	2.421	4.842	8.069	11.297	14.525
9350	0.006	0.016	0.032	0.081	0.242	0.323	0.403	0.806	1.129	1.451	2.419	4.838	8.064	11.289	14.514
9360	0.006	0.016	0.032	0.081	0.242	0.322	0.403	0.806	1.128	1.450	2.417	4.835	8.058	11.281	14.504
9370	0.006	0.016	0.032	0.081	0.242	0.322	0.403	0.805	1.127	1.449	2.416	4.831	8.052	11.273	14.494
9380	0.006	0.016	0.032	0.080	0.241	0.322	0.402	0.805	1.127	1.448	2.414	4.828	8.047	11.265	14.484
9390	0.006	0.016	0.032	0.080	0.241	0.322	0.402	0.804	1.126	1.447	2.412	4.825	8.041	11.257	14.474
9400	0.006	0.016	0.032	0.080	0.241	0.321	0.402	0.804	1.125	1.446	2.411	4.821	8.035	11.250	14.464
9410	0.006	0.016	0.032	0.080	0.241	0.321	0.401	0.803	1.124	1.445	2.409	4.818	8.030	11.242	14.454
9420	0.006	0.016	0.032	0.080	0.241	0.321	0.401	0.802	1.123	1.444	2.407	4.814	8.024	11.234	14.443
9430	0.006	0.016	0.032	0.080	0.241	0.321	0.401	0.802	1.123	1.443	2.406	4.811	8.019	11.226	14.433
9440	0.006	0.016	0.032	0.080	0.240	0.321	0.401	0.801	1.122	1.442	2.404	4.808	8.013	11.218	14.423
9450	0.006	0.016	0.032	0.080	0.240	0.320	0.400	0.801	1.121	1.441	2.402	4.804	8.007	11.210	14.413
9460	0.006	0.016	0.032	0.080	0.240	0.320	0.400	0.800	1.120	1.440	2.401	4.801	8.002	11.202	14.403
9470	0.006	0.016	0.032	0.080	0.240	0.320	0.400	0.800	1.119	1.439	2.399	4.798	7.996	11.195	14.393
9480	0.006	0.016	0.032	0.080	0.240	0.320	0.400	0.799	1.119	1.438	2.397	4.794	7.991	11.187	14.383
9490	0.006	0.016	0.032	0.080	0.240	0.319	0.399	0.799	1.118	1.437	2.396	4.791	7.985	11.179	14.373
9500	0.006	0.016	0.032	0.080	0.239	0.319	0.399	0.798	1.117	1.436	2.394	4.788	7.979	11.171	14.363

9510	0.006	0.016	0.032	0.080	0.239	0.319	0.399	0.797	1.116	1.435	2.392	4.784	7.974	11.163	14.353
9520	0.006	0.016	0.032	0.080	0.239	0.319	0.398	0.797	1.116	1.434	2.391	4.781	7.968	11.156	14.343
9530	0.006	0.016	0.032	0.080	0.239	0.319	0.398	0.796	1.115	1.433	2.389	4.778	7.963	11.148	14.333
9540	0.006	0.016	0.032	0.080	0.239	0.318	0.398	0.796	1.114	1.432	2.387	4.774	7.957	11.140	14.323
9550	0.006	0.016	0.032	0.080	0.239	0.318	0.398	0.795	1.113	1.431	2.386	4.771	7.952	11.132	14.313
9560	0.006	0.016	0.032	0.079	0.238	0.318	0.397	0.795	1.112	1.430	2.384	4.768	7.946	11.125	14.303
9570	0.006	0.016	0.032	0.079	0.238	0.318	0.397	0.794	1.112	1.429	2.382	4.764	7.941	11.117	14.293
9580	0.006	0.016	0.032	0.079	0.238	0.317	0.397	0.794	1.111	1.428	2.381	4.761	7.935	11.109	14.283
9590	0.006	0.016	0.032	0.079	0.238	0.317	0.396	0.793	1.110	1.427	2.379	4.758	7.930	11.102	14.273
9600	0.006	0.016	0.032	0.079	0.238	0.317	0.396	0.792	1.109	1.426	2.377	4.754	7.924	11.094	14.263
9610	0.006	0.016	0.032	0.079	0.238	0.317	0.396	0.792	1.109	1.425	2.376	4.751	7.919	11.086	14.254
9620	0.006	0.016	0.032	0.079	0.237	0.317	0.396	0.791	1.108	1.424	2.374	4.748	7.913	11.078	14.244
9630	0.006	0.016	0.032	0.079	0.237	0.316	0.395	0.791	1.107	1.423	2.372	4.745	7.908	11.071	14.234
9640	0.006	0.016	0.032	0.079	0.237	0.316	0.395	0.790	1.106	1.422	2.371	4.741	7.902	11.063	14.224
9650	0.006	0.016	0.032	0.079	0.237	0.316	0.395	0.790	1.106	1.421	2.369	4.738	7.897	11.055	14.214
9660	0.006	0.016	0.032	0.079	0.237	0.316	0.395	0.789	1.105	1.420	2.367	4.735	7.891	11.048	14.204
9670	0.006	0.016	0.032	0.079	0.237	0.315	0.394	0.789	1.104	1.419	2.366	4.731	7.886	11.040	14.194
9680	0.006	0.016	0.032	0.079	0.236	0.315	0.394	0.788	1.103	1.418	2.364	4.728	7.880	11.032	14.185
9690	0.006	0.016	0.031	0.079	0.236	0.315	0.394	0.787	1.102	1.417	2.362	4.725	7.875	11.025	14.175
9700	0.006	0.016	0.031	0.079	0.236	0.315	0.393	0.787	1.102	1.417	2.361	4.722	7.869	11.017	14.165
9710	0.006	0.016	0.031	0.079	0.236	0.315	0.393	0.786	1.101	1.416	2.359	4.718	7.864	11.010	14.155
9720	0.006	0.016	0.031	0.079	0.236	0.314	0.393	0.786	1.100	1.415	2.358	4.715	7.859	11.002	14.145
9730	0.006	0.016	0.031	0.079	0.236	0.314	0.393	0.785	1.099	1.414	2.356	4.712	7.853	10.994	14.136
9740	0.006	0.016	0.031	0.078	0.235	0.314	0.392	0.785	1.099	1.413	2.354	4.709	7.848	10.987	14.126
9750	0.006	0.016	0.031	0.078	0.235	0.314	0.392	0.784	1.098	1.412	2.353	4.705	7.842	10.979	14.116
9760	0.006	0.016	0.031	0.078	0.235	0.313	0.392	0.784	1.097	1.411	2.351	4.702	7.837	10.972	14.106
9770	0.006	0.016	0.031	0.078	0.235	0.313	0.392	0.783	1.096	1.410	2.349	4.699	7.832	10.964	14.097
9780	0.006	0.016	0.031	0.078	0.235	0.313	0.391	0.783	1.096	1.409	2.348	4.696	7.826	10.957	14.087
9790	0.006	0.016	0.031	0.078	0.235	0.313	0.391	0.782	1.095	1.408	2.346	4.692	7.821	10.949	14.077
9800	0.006	0.016	0.031	0.078	0.234	0.313	0.391	0.782	1.094	1.407	2.345	4.689	7.815	10.941	14.068

9810	0.006	0.016	0.031	0.078	0.234	0.312	0.390	0.781	1.093	1.406	2.343	4.686	7.810	10.934	14.058
9820	0.006	0.016	0.031	0.078	0.234	0.312	0.390	0.780	1.093	1.405	2.341	4.683	7.805	10.926	14.048
9830	0.006	0.016	0.031	0.078	0.234	0.312	0.390	0.780	1.092	1.404	2.340	4.680	7.799	10.919	14.039
9840	0.006	0.016	0.031	0.078	0.234	0.312	0.390	0.779	1.091	1.403	2.338	4.676	7.794	10.911	14.029
9850	0.006	0.016	0.031	0.078	0.234	0.312	0.389	0.779	1.090	1.402	2.337	4.673	7.789	10.904	14.019
9860	0.006	0.016	0.031	0.078	0.233	0.311	0.389	0.778	1.090	1.401	2.335	4.670	7.783	10.896	14.010
9870	0.006	0.016	0.031	0.078	0.233	0.311	0.389	0.778	1.089	1.400	2.333	4.667	7.778	10.889	14.000
9880	0.006	0.016	0.031	0.078	0.233	0.311	0.389	0.777	1.088	1.399	2.332	4.663	7.772	10.881	13.990
9890	0.006	0.016	0.031	0.078	0.233	0.311	0.388	0.777	1.087	1.398	2.330	4.660	7.767	10.874	13.981
9900	0.006	0.016	0.031	0.078	0.233	0.310	0.388	0.776	1.087	1.397	2.329	4.657	7.762	10.867	13.971
9910	0.006	0.016	0.031	0.078	0.233	0.310	0.388	0.776	1.086	1.396	2.327	4.654	7.757	10.859	13.962
9920	0.006	0.016	0.031	0.078	0.233	0.310	0.388	0.775	1.085	1.395	2.325	4.651	7.751	10.852	13.952
9930	0.006	0.015	0.031	0.077	0.232	0.310	0.387	0.775	1.084	1.394	2.324	4.648	7.746	10.844	13.943
9940	0.006	0.015	0.031	0.077	0.232	0.310	0.387	0.774	1.084	1.393	2.322	4.644	7.741	10.837	13.933
9950	0.006	0.015	0.031	0.077	0.232	0.309	0.387	0.774	1.083	1.392	2.321	4.641	7.735	10.829	13.924
9960	0.006	0.015	0.031	0.077	0.232	0.309	0.386	0.773	1.082	1.391	2.319	4.638	7.730	10.822	13.914
9970	0.006	0.015	0.031	0.077	0.232	0.309	0.386	0.772	1.081	1.390	2.317	4.635	7.725	10.815	13.904
9980	0.006	0.015	0.031	0.077	0.232	0.309	0.386	0.772	1.081	1.389	2.316	4.632	7.719	10.807	13.895
9990	0.006	0.015	0.031	0.077	0.231	0.309	0.386	0.771	1.080	1.389	2.314	4.628	7.714	10.800	13.885
10000	0.006	0.015	0.031	0.077	0.231	0.308	0.385	0.771	1.079	1.388	2.313	4.625	7.709	10.792	13.876
10010	0.006	0.015	0.031	0.077	0.231	0.308	0.385	0.770	1.079	1.387	2.311	4.622	7.704	10.785	13.867
10020	0.006	0.015	0.031	0.077	0.231	0.308	0.385	0.770	1.078	1.386	2.310	4.619	7.698	10.778	13.857
10030	0.006	0.015	0.031	0.077	0.231	0.308	0.385	0.769	1.077	1.385	2.308	4.616	7.693	10.770	13.848
10040	0.006	0.015	0.031	0.077	0.231	0.308	0.384	0.769	1.076	1.384	2.306	4.613	7.688	10.763	13.838
10050	0.006	0.015	0.031	0.077	0.230	0.307	0.384	0.768	1.076	1.383	2.305	4.610	7.683	10.756	13.829
10060	0.006	0.015	0.031	0.077	0.230	0.307	0.384	0.768	1.075	1.382	2.303	4.606	7.677	10.748	13.819
10070	0.006	0.015	0.031	0.077	0.230	0.307	0.384	0.767	1.074	1.381	2.302	4.603	7.672	10.741	13.810
10080	0.006	0.015	0.031	0.077	0.230	0.307	0.383	0.767	1.073	1.380	2.300	4.600	7.667	10.734	13.800
10090	0.006	0.015	0.031	0.077	0.230	0.306	0.383	0.766	1.073	1.379	2.299	4.597	7.662	10.726	13.791
10100	0.006	0.015	0.031	0.077	0.230	0.306	0.383	0.766	1.072	1.378	2.297	4.594	7.656	10.719	13.782

10110	0.006	0.015	0.031	0.077	0.230	0.306	0.383	0.765	1.071	1.377	2.295	4.591	7.651	10.712	13.772
10120	0.006	0.015	0.031	0.076	0.229	0.306	0.382	0.765	1.070	1.376	2.294	4.588	7.646	10.705	13.763
10130	0.006	0.015	0.031	0.076	0.229	0.306	0.382	0.764	1.070	1.375	2.292	4.585	7.641	10.697	13.754
10140	0.006	0.015	0.031	0.076	0.229	0.305	0.382	0.764	1.069	1.374	2.291	4.581	7.636	10.690	13.744
10150	0.006	0.015	0.031	0.076	0.229	0.305	0.382	0.763	1.068	1.373	2.289	4.578	7.631	10.683	13.735
10160	0.006	0.015	0.031	0.076	0.229	0.305	0.381	0.763	1.068	1.373	2.288	4.575	7.625	10.675	13.726
10170	0.006	0.015	0.030	0.076	0.229	0.305	0.381	0.762	1.067	1.372	2.286	4.572	7.620	10.668	13.716
10180	0.006	0.015	0.030	0.076	0.228	0.305	0.381	0.761	1.066	1.371	2.284	4.569	7.615	10.661	13.707
10190	0.006	0.015	0.030	0.076	0.228	0.304	0.380	0.761	1.065	1.370	2.283	4.566	7.610	10.654	13.698
10200	0.006	0.015	0.030	0.076	0.228	0.304	0.380	0.760	1.065	1.369	2.281	4.563	7.605	10.647	13.688
10210	0.006	0.015	0.030	0.076	0.228	0.304	0.380	0.760	1.064	1.368	2.280	4.560	7.600	10.639	13.679
10220	0.006	0.015	0.030	0.076	0.228	0.304	0.380	0.759	1.063	1.367	2.278	4.557	7.594	10.632	13.670
10230	0.006	0.015	0.030	0.076	0.228	0.304	0.379	0.759	1.062	1.366	2.277	4.554	7.589	10.625	13.661
10240	0.006	0.015	0.030	0.076	0.228	0.303	0.379	0.758	1.062	1.365	2.275	4.550	7.584	10.618	13.651
10250	0.006	0.015	0.030	0.076	0.227	0.303	0.379	0.758	1.061	1.364	2.274	4.547	7.579	10.611	13.642
10260	0.006	0.015	0.030	0.076	0.227	0.303	0.379	0.757	1.060	1.363	2.272	4.544	7.574	10.603	13.633
10270	0.006	0.015	0.030	0.076	0.227	0.303	0.378	0.757	1.060	1.362	2.271	4.541	7.569	10.596	13.624
10280	0.006	0.015	0.030	0.076	0.227	0.303	0.378	0.756	1.059	1.361	2.269	4.538	7.564	10.589	13.614
10290	0.006	0.015	0.030	0.076	0.227	0.302	0.378	0.756	1.058	1.361	2.268	4.535	7.558	10.582	13.605
10300	0.006	0.015	0.030	0.076	0.227	0.302	0.378	0.755	1.057	1.360	2.266	4.532	7.553	10.575	13.596
10310	0.006	0.015	0.030	0.075	0.226	0.302	0.377	0.755	1.057	1.359	2.264	4.529	7.548	10.568	13.587
10320	0.006	0.015	0.030	0.075	0.226	0.302	0.377	0.754	1.056	1.358	2.263	4.526	7.543	10.560	13.578
10330	0.006	0.015	0.030	0.075	0.226	0.302	0.377	0.754	1.055	1.357	2.261	4.523	7.538	10.553	13.569
10340	0.006	0.015	0.030	0.075	0.226	0.301	0.377	0.753	1.055	1.356	2.260	4.520	7.533	10.546	13.559
10350	0.006	0.015	0.030	0.075	0.226	0.301	0.376	0.753	1.054	1.355	2.258	4.517	7.528	10.539	13.550
10360	0.006	0.015	0.030	0.075	0.226	0.301	0.376	0.752	1.053	1.354	2.257	4.514	7.523	10.532	13.541
10370	0.006	0.015	0.030	0.075	0.226	0.301	0.376	0.752	1.052	1.353	2.255	4.511	7.518	10.525	13.532
10380	0.006	0.015	0.030	0.075	0.225	0.301	0.376	0.751	1.052	1.352	2.254	4.508	7.513	10.518	13.523
10390	0.006	0.015	0.030	0.075	0.225	0.300	0.375	0.751	1.051	1.351	2.252	4.505	7.508	10.511	13.514
10400	0.006	0.015	0.030	0.075	0.225	0.300	0.375	0.750	1.050	1.350	2.251	4.502	7.503	10.504	13.505

10410	0.006	0.015	0.030	0.075	0.225	0.300	0.375	0.750	1.050	1.350	2.249	4.499	7.498	10.497	13.496
10420	0.006	0.015	0.030	0.075	0.225	0.300	0.375	0.749	1.049	1.349	2.248	4.496	7.493	10.490	13.487
10430	0.006	0.015	0.030	0.075	0.225	0.299	0.374	0.749	1.048	1.348	2.246	4.492	7.487	10.482	13.477
10440	0.006	0.015	0.030	0.075	0.224	0.299	0.374	0.748	1.048	1.347	2.245	4.489	7.482	10.475	13.468
10450	0.006	0.015	0.030	0.075	0.224	0.299	0.374	0.748	1.047	1.346	2.243	4.486	7.477	10.468	13.459
10460	0.006	0.015	0.030	0.075	0.224	0.299	0.374	0.747	1.046	1.345	2.242	4.483	7.472	10.461	13.450
10470	0.006	0.015	0.030	0.075	0.224	0.299	0.373	0.747	1.045	1.344	2.240	4.480	7.467	10.454	13.441
10480	0.006	0.015	0.030	0.075	0.224	0.298	0.373	0.746	1.045	1.343	2.239	4.477	7.462	10.447	13.432
10490	0.006	0.015	0.030	0.075	0.224	0.298	0.373	0.746	1.044	1.342	2.237	4.474	7.457	10.440	13.423
10500	0.006	0.015	0.030	0.075	0.224	0.298	0.373	0.745	1.043	1.341	2.236	4.471	7.452	10.433	13.414
10510	0.006	0.015	0.030	0.074	0.223	0.298	0.372	0.745	1.043	1.341	2.234	4.468	7.447	10.426	13.405
10520	0.006	0.015	0.030	0.074	0.223	0.298	0.372	0.744	1.042	1.340	2.233	4.465	7.442	10.419	13.396
10530	0.006	0.015	0.030	0.074	0.223	0.297	0.372	0.744	1.041	1.339	2.231	4.462	7.437	10.412	13.387
10540	0.006	0.015	0.030	0.074	0.223	0.297	0.372	0.743	1.041	1.338	2.230	4.459	7.432	10.405	13.378
10550	0.006	0.015	0.030	0.074	0.223	0.297	0.371	0.743	1.040	1.337	2.228	4.456	7.427	10.398	13.369
10560	0.006	0.015	0.030	0.074	0.223	0.297	0.371	0.742	1.039	1.336	2.227	4.453	7.422	10.391	13.360
10570	0.006	0.015	0.030	0.074	0.223	0.297	0.371	0.742	1.038	1.335	2.225	4.450	7.417	10.384	13.351
10580	0.006	0.015	0.030	0.074	0.222	0.297	0.371	0.741	1.038	1.334	2.224	4.448	7.413	10.378	13.343
10590	0.006	0.015	0.030	0.074	0.222	0.296	0.370	0.741	1.037	1.333	2.222	4.445	7.408	10.371	13.334
10600	0.006	0.015	0.030	0.074	0.222	0.296	0.370	0.740	1.036	1.332	2.221	4.442	7.403	10.364	13.325
10610	0.006	0.015	0.030	0.074	0.222	0.296	0.370	0.740	1.036	1.332	2.219	4.439	7.398	10.357	13.316
10620	0.006	0.015	0.030	0.074	0.222	0.296	0.370	0.739	1.035	1.331	2.218	4.436	7.393	10.350	13.307
10630	0.006	0.015	0.030	0.074	0.222	0.296	0.369	0.739	1.034	1.330	2.216	4.433	7.388	10.343	13.298
10640	0.006	0.015	0.030	0.074	0.221	0.295	0.369	0.738	1.034	1.329	2.215	4.430	7.383	10.336	13.289
10650	0.006	0.015	0.030	0.074	0.221	0.295	0.369	0.738	1.033	1.328	2.213	4.427	7.378	10.329	13.280
10660	0.006	0.015	0.029	0.074	0.221	0.295	0.369	0.737	1.032	1.327	2.212	4.424	7.373	10.322	13.271
10670	0.006	0.015	0.029	0.074	0.221	0.295	0.368	0.737	1.032	1.326	2.210	4.421	7.368	10.315	13.263
10680	0.006	0.015	0.029	0.074	0.221	0.295	0.368	0.736	1.031	1.325	2.209	4.418	7.363	10.308	13.254
10690	0.006	0.015	0.029	0.074	0.221	0.294	0.368	0.736	1.030	1.324	2.207	4.415	7.358	10.302	13.245
10700	0.006	0.015	0.029	0.074	0.221	0.294	0.368	0.735	1.029	1.324	2.206	4.412	7.353	10.295	13.236

10710	0.006	0.015	0.029	0.073	0.220	0.294	0.367	0.735	1.029	1.323	2.205	4.409	7.348	10.288	13.227
10720	0.006	0.015	0.029	0.073	0.220	0.294	0.367	0.734	1.028	1.322	2.203	4.406	7.344	10.281	13.218
10730	0.006	0.015	0.029	0.073	0.220	0.294	0.367	0.734	1.027	1.321	2.202	4.403	7.339	10.274	13.210
10740	0.006	0.015	0.029	0.073	0.220	0.293	0.367	0.733	1.027	1.320	2.200	4.400	7.334	10.267	13.201
10750	0.006	0.015	0.029	0.073	0.220	0.293	0.366	0.733	1.026	1.319	2.199	4.397	7.329	10.261	13.192
10760	0.006	0.015	0.029	0.073	0.220	0.293	0.366	0.732	1.025	1.318	2.197	4.394	7.324	10.254	13.183
10770	0.006	0.015	0.029	0.073	0.220	0.293	0.366	0.732	1.025	1.317	2.196	4.392	7.319	10.247	13.175
10780	0.006	0.015	0.029	0.073	0.219	0.293	0.366	0.731	1.024	1.317	2.194	4.389	7.314	10.240	13.166
10790	0.006	0.015	0.029	0.073	0.219	0.292	0.365	0.731	1.023	1.316	2.193	4.386	7.309	10.233	13.157
10800	0.006	0.015	0.029	0.073	0.219	0.292	0.365	0.730	1.023	1.315	2.191	4.383	7.305	10.227	13.148
10810	0.006	0.015	0.029	0.073	0.219	0.292	0.365	0.730	1.022	1.314	2.190	4.380	7.300	10.220	13.140
10820	0.006	0.015	0.029	0.073	0.219	0.292	0.365	0.729	1.021	1.313	2.188	4.377	7.295	10.213	13.131
10830	0.006	0.015	0.029	0.073	0.219	0.292	0.365	0.729	1.021	1.312	2.187	4.374	7.290	10.206	13.122
10840	0.006	0.015	0.029	0.073	0.219	0.291	0.364	0.729	1.020	1.311	2.186	4.371	7.285	10.199	13.114
10850	0.006	0.015	0.029	0.073	0.218	0.291	0.364	0.728	1.019	1.310	2.184	4.368	7.280	10.193	13.105
10860	0.006	0.015	0.029	0.073	0.218	0.291	0.364	0.728	1.019	1.310	2.183	4.365	7.276	10.186	13.096
10870	0.006	0.015	0.029	0.073	0.218	0.291	0.364	0.727	1.018	1.309	2.181	4.362	7.271	10.179	13.087
10880	0.006	0.015	0.029	0.073	0.218	0.291	0.363	0.727	1.017	1.308	2.180	4.360	7.266	10.172	13.079
10890	0.006	0.015	0.029	0.073	0.218	0.290	0.363	0.726	1.017	1.307	2.178	4.357	7.261	10.166	13.070
10900	0.006	0.015	0.029	0.073	0.218	0.290	0.363	0.726	1.016	1.306	2.177	4.354	7.256	10.159	13.062
10910	0.006	0.015	0.029	0.073	0.218	0.290	0.363	0.725	1.015	1.305	2.175	4.351	7.252	10.152	13.053
10920	0.006	0.014	0.029	0.072	0.217	0.290	0.362	0.725	1.015	1.304	2.174	4.348	7.247	10.146	13.044
10930	0.006	0.014	0.029	0.072	0.217	0.290	0.362	0.724	1.014	1.304	2.173	4.345	7.242	10.139	13.036
10940	0.006	0.014	0.029	0.072	0.217	0.289	0.362	0.724	1.013	1.303	2.171	4.342	7.237	10.132	13.027
10950	0.006	0.014	0.029	0.072	0.217	0.289	0.362	0.723	1.013	1.302	2.170	4.339	7.232	10.125	13.018
10960	0.006	0.014	0.029	0.072	0.217	0.289	0.361	0.723	1.012	1.301	2.168	4.337	7.228	10.119	13.010
10970	0.006	0.014	0.029	0.072	0.217	0.289	0.361	0.722	1.011	1.300	2.167	4.334	7.223	10.112	13.001
10980	0.006	0.014	0.029	0.072	0.217	0.289	0.361	0.722	1.011	1.299	2.165	4.331	7.218	10.105	12.993
10990	0.006	0.014	0.029	0.072	0.216	0.289	0.361	0.721	1.010	1.298	2.164	4.328	7.213	10.099	12.984
11000	0.006	0.014	0.029	0.072	0.216	0.288	0.360	0.721	1.009	1.298	2.163	4.325	7.209	10.092	12.975

11010	0.006	0.014	0.029	0.072	0.216	0.288	0.360	0.720	1.009	1.297	2.161	4.322	7.204	10.085	12.967
11020	0.006	0.014	0.029	0.072	0.216	0.288	0.360	0.720	1.008	1.296	2.160	4.319	7.199	10.079	12.958
11030	0.006	0.014	0.029	0.072	0.216	0.288	0.360	0.719	1.007	1.295	2.158	4.317	7.194	10.072	12.950
11040	0.006	0.014	0.029	0.072	0.216	0.288	0.359	0.719	1.007	1.294	2.157	4.314	7.190	10.065	12.941
11050	0.006	0.014	0.029	0.072	0.216	0.287	0.359	0.718	1.006	1.293	2.155	4.311	7.185	10.059	12.933
11060	0.006	0.014	0.029	0.072	0.215	0.287	0.359	0.718	1.005	1.292	2.154	4.308	7.180	10.052	12.924
11070	0.006	0.014	0.029	0.072	0.215	0.287	0.359	0.718	1.005	1.292	2.153	4.305	7.175	10.046	12.916
11080	0.006	0.014	0.029	0.072	0.215	0.287	0.359	0.717	1.004	1.291	2.151	4.302	7.171	10.039	12.907
11090	0.006	0.014	0.029	0.072	0.215	0.287	0.358	0.717	1.003	1.290	2.150	4.300	7.166	10.032	12.899
11100	0.006	0.014	0.029	0.072	0.215	0.286	0.358	0.716	1.003	1.289	2.148	4.297	7.161	10.026	12.890
11110	0.006	0.014	0.029	0.072	0.215	0.286	0.358	0.716	1.002	1.288	2.147	4.294	7.157	10.019	12.882
11120	0.006	0.014	0.029	0.072	0.215	0.286	0.358	0.715	1.001	1.287	2.146	4.291	7.152	10.013	12.873
11130	0.006	0.014	0.029	0.071	0.214	0.286	0.357	0.715	1.001	1.286	2.144	4.288	7.147	10.006	12.865
11140	0.006	0.014	0.029	0.071	0.214	0.286	0.357	0.714	1.000	1.286	2.143	4.285	7.142	9.999	12.856
11150	0.006	0.014	0.029	0.071	0.214	0.286	0.357	0.714	0.999	1.285	2.141	4.283	7.138	9.993	12.848
11160	0.006	0.014	0.029	0.071	0.214	0.285	0.357	0.713	0.999	1.284	2.140	4.280	7.133	9.986	12.840
11170	0.006	0.014	0.029	0.071	0.214	0.285	0.356	0.713	0.998	1.283	2.139	4.277	7.128	9.980	12.831
11180	0.006	0.014	0.028	0.071	0.214	0.285	0.356	0.712	0.997	1.282	2.137	4.274	7.124	9.973	12.823
11190	0.006	0.014	0.028	0.071	0.214	0.285	0.356	0.712	0.997	1.281	2.136	4.271	7.119	9.967	12.814
11200	0.006	0.014	0.028	0.071	0.213	0.285	0.356	0.711	0.996	1.281	2.134	4.269	7.114	9.960	12.806
11210	0.006	0.014	0.028	0.071	0.213	0.284	0.355	0.711	0.995	1.280	2.133	4.266	7.110	9.954	12.798
11220	0.006	0.014	0.028	0.071	0.213	0.284	0.355	0.711	0.995	1.279	2.132	4.263	7.105	9.947	12.789
11230	0.006	0.014	0.028	0.071	0.213	0.284	0.355	0.710	0.994	1.278	2.130	4.260	7.100	9.941	12.781
11240	0.006	0.014	0.028	0.071	0.213	0.284	0.355	0.710	0.993	1.277	2.129	4.257	7.096	9.934	12.772
11250	0.006	0.014	0.028	0.071	0.213	0.284	0.355	0.709	0.993	1.276	2.127	4.255	7.091	9.928	12.764
11260	0.006	0.014	0.028	0.071	0.213	0.283	0.354	0.709	0.992	1.276	2.126	4.252	7.087	9.921	12.756
11270	0.006	0.014	0.028	0.071	0.212	0.283	0.354	0.708	0.991	1.275	2.125	4.249	7.082	9.915	12.747
11280	0.006	0.014	0.028	0.071	0.212	0.283	0.354	0.708	0.991	1.274	2.123	4.246	7.077	9.908	12.739
11290	0.006	0.014	0.028	0.071	0.212	0.283	0.354	0.707	0.990	1.273	2.122	4.244	7.073	9.902	12.731
11300	0.006	0.014	0.028	0.071	0.212	0.283	0.353	0.707	0.990	1.272	2.120	4.241	7.068	9.895	12.722

11310	0.006	0.014	0.028	0.071	0.212	0.283	0.353	0.706	0.989	1.271	2.119	4.238	7.063	9.889	12.714
11320	0.006	0.014	0.028	0.071	0.212	0.282	0.353	0.706	0.988	1.271	2.118	4.235	7.059	9.882	12.706
11330	0.006	0.014	0.028	0.071	0.212	0.282	0.353	0.705	0.988	1.270	2.116	4.233	7.054	9.876	12.698
11340	0.006	0.014	0.028	0.070	0.211	0.282	0.352	0.705	0.987	1.269	2.115	4.230	7.050	9.869	12.689
11350	0.006	0.014	0.028	0.070	0.211	0.282	0.352	0.704	0.986	1.268	2.113	4.227	7.045	9.863	12.681
11360	0.006	0.014	0.028	0.070	0.211	0.282	0.352	0.704	0.986	1.267	2.112	4.224	7.040	9.857	12.673
11370	0.006	0.014	0.028	0.070	0.211	0.281	0.352	0.704	0.985	1.266	2.111	4.221	7.036	9.850	12.664
11380	0.006	0.014	0.028	0.070	0.211	0.281	0.352	0.703	0.984	1.266	2.109	4.219	7.031	9.844	12.656
11390	0.006	0.014	0.028	0.070	0.211	0.281	0.351	0.703	0.984	1.265	2.108	4.216	7.027	9.837	12.648
11400	0.006	0.014	0.028	0.070	0.211	0.281	0.351	0.702	0.983	1.264	2.107	4.213	7.022	9.831	12.640
11410	0.006	0.014	0.028	0.070	0.211	0.281	0.351	0.702	0.982	1.263	2.105	4.210	7.017	9.824	12.631
11420	0.006	0.014	0.028	0.070	0.210	0.281	0.351	0.701	0.982	1.262	2.104	4.208	7.013	9.818	12.623
11430	0.006	0.014	0.028	0.070	0.210	0.280	0.350	0.701	0.981	1.262	2.103	4.205	7.008	9.812	12.615
11440	0.006	0.014	0.028	0.070	0.210	0.280	0.350	0.700	0.981	1.261	2.101	4.202	7.004	9.805	12.607
11450	0.006	0.014	0.028	0.070	0.210	0.280	0.350	0.700	0.980	1.260	2.100	4.200	6.999	9.799	12.599
11460	0.006	0.014	0.028	0.070	0.210	0.280	0.350	0.699	0.979	1.259	2.098	4.197	6.995	9.793	12.590
11470	0.006	0.014	0.028	0.070	0.210	0.280	0.350	0.699	0.979	1.258	2.097	4.194	6.990	9.786	12.582
11480	0.006	0.014	0.028	0.070	0.210	0.279	0.349	0.699	0.978	1.257	2.096	4.191	6.986	9.780	12.574
11490	0.006	0.014	0.028	0.070	0.209	0.279	0.349	0.698	0.977	1.257	2.094	4.189	6.981	9.773	12.566
11500	0.006	0.014	0.028	0.070	0.209	0.279	0.349	0.698	0.977	1.256	2.093	4.186	6.977	9.767	12.558
11510	0.006	0.014	0.028	0.070	0.209	0.279	0.349	0.697	0.976	1.255	2.092	4.183	6.972	9.761	12.550
11520	0.006	0.014	0.028	0.070	0.209	0.279	0.348	0.697	0.975	1.254	2.090	4.180	6.967	9.754	12.541
11530	0.006	0.014	0.028	0.070	0.209	0.279	0.348	0.696	0.975	1.253	2.089	4.178	6.963	9.748	12.533
11540	0.006	0.014	0.028	0.070	0.209	0.278	0.348	0.696	0.974	1.253	2.088	4.175	6.958	9.742	12.525
11550	0.006	0.014	0.028	0.070	0.209	0.278	0.348	0.695	0.974	1.252	2.086	4.172	6.954	9.736	12.517
11560	0.006	0.014	0.028	0.069	0.208	0.278	0.347	0.695	0.973	1.251	2.085	4.170	6.949	9.729	12.509
11570	0.006	0.014	0.028	0.069	0.208	0.278	0.347	0.694	0.972	1.250	2.083	4.167	6.945	9.723	12.501
11580	0.006	0.014	0.028	0.069	0.208	0.278	0.347	0.694	0.972	1.249	2.082	4.164	6.940	9.717	12.493
11590	0.006	0.014	0.028	0.069	0.208	0.277	0.347	0.694	0.971	1.248	2.081	4.162	6.936	9.710	12.485
11600	0.006	0.014	0.028	0.069	0.208	0.277	0.347	0.693	0.970	1.248	2.079	4.159	6.931	9.704	12.477

11610	0.006	0.014	0.028	0.069	0.208	0.277	0.346	0.693	0.970	1.247	2.078	4.156	6.927	9.698	12.469
11620	0.006	0.014	0.028	0.069	0.208	0.277	0.346	0.692	0.969	1.246	2.077	4.153	6.922	9.691	12.460
11630	0.006	0.014	0.028	0.069	0.208	0.277	0.346	0.692	0.969	1.245	2.075	4.151	6.918	9.685	12.452
11640	0.006	0.014	0.028	0.069	0.207	0.277	0.346	0.691	0.968	1.244	2.074	4.148	6.914	9.679	12.444
11650	0.006	0.014	0.028	0.069	0.207	0.276	0.345	0.691	0.967	1.244	2.073	4.145	6.909	9.673	12.436
11660	0.006	0.014	0.028	0.069	0.207	0.276	0.345	0.690	0.967	1.243	2.071	4.143	6.905	9.666	12.428
11670	0.006	0.014	0.028	0.069	0.207	0.276	0.345	0.690	0.966	1.242	2.070	4.140	6.900	9.660	12.420
11680	0.006	0.014	0.028	0.069	0.207	0.276	0.345	0.690	0.965	1.241	2.069	4.137	6.896	9.654	12.412
11690	0.006	0.014	0.028	0.069	0.207	0.276	0.345	0.689	0.965	1.240	2.067	4.135	6.891	9.648	12.404
11700	0.006	0.014	0.028	0.069	0.207	0.275	0.344	0.689	0.964	1.240	2.066	4.132	6.887	9.641	12.396
11710	0.006	0.014	0.028	0.069	0.206	0.275	0.344	0.688	0.964	1.239	2.065	4.129	6.882	9.635	12.388
11720	0.006	0.014	0.028	0.069	0.206	0.275	0.344	0.688	0.963	1.238	2.063	4.127	6.878	9.629	12.380
11730	0.005	0.014	0.027	0.069	0.206	0.275	0.344	0.687	0.962	1.237	2.062	4.124	6.873	9.623	12.372
11740	0.005	0.014	0.027	0.069	0.206	0.275	0.343	0.687	0.962	1.236	2.061	4.121	6.869	9.617	12.364
11750	0.005	0.014	0.027	0.069	0.206	0.275	0.343	0.686	0.961	1.236	2.059	4.119	6.865	9.610	12.356
11760	0.005	0.014	0.027	0.069	0.206	0.274	0.343	0.686	0.960	1.235	2.058	4.116	6.860	9.604	12.348
11770	0.005	0.014	0.027	0.069	0.206	0.274	0.343	0.686	0.960	1.234	2.057	4.113	6.856	9.598	12.340
11780	0.005	0.014	0.027	0.069	0.206	0.274	0.343	0.685	0.959	1.233	2.055	4.111	6.851	9.592	12.332
11790	0.005	0.014	0.027	0.068	0.205	0.274	0.342	0.685	0.959	1.232	2.054	4.108	6.847	9.586	12.324
11800	0.005	0.014	0.027	0.068	0.205	0.274	0.342	0.684	0.958	1.232	2.053	4.105	6.842	9.579	12.316
11810	0.005	0.014	0.027	0.068	0.205	0.274	0.342	0.684	0.957	1.231	2.051	4.103	6.838	9.573	12.309
11820	0.005	0.014	0.027	0.068	0.205	0.273	0.342	0.683	0.957	1.230	2.050	4.100	6.834	9.567	12.301
11830	0.005	0.014	0.027	0.068	0.205	0.273	0.341	0.683	0.956	1.229	2.049	4.098	6.829	9.561	12.293
11840	0.005	0.014	0.027	0.068	0.205	0.273	0.341	0.682	0.955	1.228	2.047	4.095	6.825	9.555	12.285
11850	0.005	0.014	0.027	0.068	0.205	0.273	0.341	0.682	0.955	1.228	2.046	4.092	6.821	9.549	12.277
11860	0.005	0.014	0.027	0.068	0.204	0.273	0.341	0.682	0.954	1.227	2.045	4.090	6.816	9.543	12.269
11870	0.005	0.014	0.027	0.068	0.204	0.272	0.341	0.681	0.954	1.226	2.044	4.087	6.812	9.536	12.261
11880	0.005	0.014	0.027	0.068	0.204	0.272	0.340	0.681	0.953	1.225	2.042	4.084	6.807	9.530	12.253
11890	0.005	0.014	0.027	0.068	0.204	0.272	0.340	0.680	0.952	1.225	2.041	4.082	6.803	9.524	12.245
11900	0.005	0.014	0.027	0.068	0.204	0.272	0.340	0.680	0.952	1.224	2.040	4.079	6.799	9.518	12.238

11910	0.005	0.014	0.027	0.068	0.204	0.272	0.340	0.679	0.951	1.223	2.038	4.077	6.794	9.512	12.230
11920	0.005	0.014	0.027	0.068	0.204	0.272	0.339	0.679	0.951	1.222	2.037	4.074	6.790	9.506	12.222
11930	0.005	0.014	0.027	0.068	0.204	0.271	0.339	0.679	0.950	1.221	2.036	4.071	6.786	9.500	12.214
11940	0.005	0.014	0.027	0.068	0.203	0.271	0.339	0.678	0.949	1.221	2.034	4.069	6.781	9.494	12.206
11950	0.005	0.014	0.027	0.068	0.203	0.271	0.339	0.678	0.949	1.220	2.033	4.066	6.777	9.488	12.198
11960	0.005	0.014	0.027	0.068	0.203	0.271	0.339	0.677	0.948	1.219	2.032	4.064	6.773	9.482	12.191
11970	0.005	0.014	0.027	0.068	0.203	0.271	0.338	0.677	0.948	1.218	2.030	4.061	6.768	9.475	12.183
11980	0.005	0.014	0.027	0.068	0.203	0.271	0.338	0.676	0.947	1.217	2.029	4.058	6.764	9.469	12.175
11990	0.005	0.014	0.027	0.068	0.203	0.270	0.338	0.676	0.946	1.217	2.028	4.056	6.760	9.463	12.167
12000	0.005	0.014	0.027	0.068	0.203	0.270	0.338	0.676	0.946	1.216	2.027	4.053	6.755	9.457	12.159
12010	0.005	0.014	0.027	0.068	0.203	0.270	0.338	0.675	0.945	1.215	2.025	4.051	6.751	9.451	12.152
12020	0.005	0.013	0.027	0.067	0.202	0.270	0.337	0.675	0.945	1.214	2.024	4.048	6.747	9.445	12.144
12030	0.005	0.013	0.027	0.067	0.202	0.270	0.337	0.674	0.944	1.214	2.023	4.045	6.742	9.439	12.136
12040	0.005	0.013	0.027	0.067	0.202	0.270	0.337	0.674	0.943	1.213	2.021	4.043	6.738	9.433	12.128
12050	0.005	0.013	0.027	0.067	0.202	0.269	0.337	0.673	0.943	1.212	2.020	4.040	6.734	9.427	12.120
12060	0.005	0.013	0.027	0.067	0.202	0.269	0.336	0.673	0.942	1.211	2.019	4.038	6.729	9.421	12.113
12070	0.005	0.013	0.027	0.067	0.202	0.269	0.336	0.672	0.941	1.210	2.017	4.035	6.725	9.415	12.105
12080	0.005	0.013	0.027	0.067	0.202	0.269	0.336	0.672	0.941	1.210	2.016	4.032	6.721	9.409	12.097
12090	0.005	0.013	0.027	0.067	0.201	0.269	0.336	0.672	0.940	1.209	2.015	4.030	6.716	9.403	12.090
12100	0.005	0.013	0.027	0.067	0.201	0.268	0.336	0.671	0.940	1.208	2.014	4.027	6.712	9.397	12.082
12110	0.005	0.013	0.027	0.067	0.201	0.268	0.335	0.671	0.939	1.207	2.012	4.025	6.708	9.391	12.074
12120	0.005	0.013	0.027	0.067	0.201	0.268	0.335	0.670	0.938	1.207	2.011	4.022	6.704	9.385	12.066
12130	0.005	0.013	0.027	0.067	0.201	0.268	0.335	0.670	0.938	1.206	2.010	4.020	6.699	9.379	12.059
12140	0.005	0.013	0.027	0.067	0.201	0.268	0.335	0.669	0.937	1.205	2.008	4.017	6.695	9.373	12.051
12150	0.005	0.013	0.027	0.067	0.201	0.268	0.335	0.669	0.937	1.204	2.007	4.014	6.691	9.367	12.043
12160	0.005	0.013	0.027	0.067	0.201	0.267	0.334	0.669	0.936	1.204	2.006	4.012	6.686	9.361	12.036
12170	0.005	0.013	0.027	0.067	0.200	0.267	0.334	0.668	0.936	1.203	2.005	4.009	6.682	9.355	12.028
12180	0.005	0.013	0.027	0.067	0.200	0.267	0.334	0.668	0.935	1.202	2.003	4.007	6.678	9.349	12.020
12190	0.005	0.013	0.027	0.067	0.200	0.267	0.334	0.667	0.934	1.201	2.002	4.004	6.674	9.343	12.013
12200	0.005	0.013	0.027	0.067	0.200	0.267	0.333	0.667	0.934	1.200	2.001	4.002	6.669	9.337	12.005

12210	0.005	0.013	0.027	0.067	0.200	0.267	0.333	0.667	0.933	1.200	2.000	3.999	6.665	9.331	11.997
12220	0.005	0.013	0.027	0.067	0.200	0.266	0.333	0.666	0.933	1.199	1.998	3.997	6.661	9.325	11.990
12230	0.005	0.013	0.027	0.067	0.200	0.266	0.333	0.666	0.932	1.198	1.997	3.994	6.657	9.319	11.982
12240	0.005	0.013	0.027	0.067	0.200	0.266	0.333	0.665	0.931	1.197	1.996	3.991	6.652	9.313	11.974
12250	0.005	0.013	0.027	0.066	0.199	0.266	0.332	0.665	0.931	1.197	1.994	3.989	6.648	9.308	11.967
12260	0.005	0.013	0.027	0.066	0.199	0.266	0.332	0.664	0.930	1.196	1.993	3.986	6.644	9.302	11.959
12270	0.005	0.013	0.027	0.066	0.199	0.266	0.332	0.664	0.930	1.195	1.992	3.984	6.640	9.296	11.952
12280	0.005	0.013	0.027	0.066	0.199	0.265	0.332	0.664	0.929	1.194	1.991	3.981	6.636	9.290	11.944
12290	0.005	0.013	0.027	0.066	0.199	0.265	0.332	0.663	0.928	1.194	1.989	3.979	6.631	9.284	11.936
12300	0.005	0.013	0.027	0.066	0.199	0.265	0.331	0.663	0.928	1.193	1.988	3.976	6.627	9.278	11.929
12310	0.005	0.013	0.026	0.066	0.199	0.265	0.331	0.662	0.927	1.192	1.987	3.974	6.623	9.272	11.921
12320	0.005	0.013	0.026	0.066	0.199	0.265	0.331	0.662	0.927	1.191	1.986	3.971	6.619	9.266	11.914
12330	0.005	0.013	0.026	0.066	0.198	0.265	0.331	0.661	0.926	1.191	1.984	3.969	6.615	9.260	11.906
12340	0.005	0.013	0.026	0.066	0.198	0.264	0.331	0.661	0.925	1.190	1.983	3.966	6.610	9.254	11.899
12350	0.005	0.013	0.026	0.066	0.198	0.264	0.330	0.661	0.925	1.189	1.982	3.964	6.606	9.249	11.891
12360	0.005	0.013	0.026	0.066	0.198	0.264	0.330	0.660	0.924	1.188	1.981	3.961	6.602	9.243	11.884
12370	0.005	0.013	0.026	0.066	0.198	0.264	0.330	0.660	0.924	1.188	1.979	3.959	6.598	9.237	11.876
12380	0.005	0.013	0.026	0.066	0.198	0.264	0.330	0.659	0.923	1.187	1.978	3.956	6.594	9.231	11.868
12390	0.005	0.013	0.026	0.066	0.198	0.264	0.329	0.659	0.923	1.186	1.977	3.954	6.589	9.225	11.861
12400	0.005	0.013	0.026	0.066	0.198	0.263	0.329	0.659	0.922	1.185	1.976	3.951	6.585	9.219	11.853
12410	0.005	0.013	0.026	0.066	0.197	0.263	0.329	0.658	0.921	1.185	1.974	3.949	6.581	9.213	11.846
12420	0.005	0.013	0.026	0.066	0.197	0.263	0.329	0.658	0.921	1.184	1.973	3.946	6.577	9.208	11.838
12430	0.005	0.013	0.026	0.066	0.197	0.263	0.329	0.657	0.920	1.183	1.972	3.944	6.573	9.202	11.831
12440	0.005	0.013	0.026	0.066	0.197	0.263	0.328	0.657	0.920	1.182	1.971	3.941	6.569	9.196	11.823
12450	0.005	0.013	0.026	0.066	0.197	0.263	0.328	0.656	0.919	1.182	1.969	3.939	6.564	9.190	11.816
12460	0.005	0.013	0.026	0.066	0.197	0.262	0.328	0.656	0.918	1.181	1.968	3.936	6.560	9.184	11.808
12470	0.005	0.013	0.026	0.066	0.197	0.262	0.328	0.656	0.918	1.180	1.967	3.934	6.556	9.179	11.801
12480	0.005	0.013	0.026	0.066	0.197	0.262	0.328	0.655	0.917	1.179	1.966	3.931	6.552	9.173	11.794
12490	0.005	0.013	0.026	0.065	0.196	0.262	0.327	0.655	0.917	1.179	1.964	3.929	6.548	9.167	11.786
12500	0.005	0.013	0.026	0.065	0.196	0.262	0.327	0.654	0.916	1.178	1.963	3.926	6.544	9.161	11.779

12510	0.005	0.013	0.026	0.065	0.196	0.262	0.327	0.654	0.916	1.177	1.962	3.924	6.540	9.155	11.771
12520	0.005	0.013	0.026	0.065	0.196	0.261	0.327	0.654	0.915	1.176	1.961	3.921	6.535	9.150	11.764
12530	0.005	0.013	0.026	0.065	0.196	0.261	0.327	0.653	0.914	1.176	1.959	3.919	6.531	9.144	11.756
12540	0.005	0.013	0.026	0.065	0.196	0.261	0.326	0.653	0.914	1.175	1.958	3.916	6.527	9.138	11.749
12550	0.005	0.013	0.026	0.065	0.196	0.261	0.326	0.652	0.913	1.174	1.957	3.914	6.523	9.132	11.741
12560	0.005	0.013	0.026	0.065	0.196	0.261	0.326	0.652	0.913	1.173	1.956	3.911	6.519	9.126	11.734
12570	0.005	0.013	0.026	0.065	0.195	0.261	0.326	0.651	0.912	1.173	1.954	3.909	6.515	9.121	11.727
12580	0.005	0.013	0.026	0.065	0.195	0.260	0.326	0.651	0.911	1.172	1.953	3.906	6.511	9.115	11.719
12590	0.005	0.013	0.026	0.065	0.195	0.260	0.325	0.651	0.911	1.171	1.952	3.904	6.507	9.109	11.712
12600	0.005	0.013	0.026	0.065	0.195	0.260	0.325	0.650	0.910	1.170	1.951	3.901	6.502	9.103	11.704
12610	0.005	0.013	0.026	0.065	0.195	0.260	0.325	0.650	0.910	1.170	1.950	3.899	6.498	9.098	11.697
12620	0.005	0.013	0.026	0.065	0.195	0.260	0.325	0.649	0.909	1.169	1.948	3.897	6.494	9.092	11.690
12630	0.005	0.013	0.026	0.065	0.195	0.260	0.325	0.649	0.909	1.168	1.947	3.894	6.490	9.086	11.682
12640	0.005	0.013	0.026	0.065	0.195	0.259	0.324	0.649	0.908	1.168	1.946	3.892	6.486	9.081	11.675
12650	0.005	0.013	0.026	0.065	0.194	0.259	0.324	0.648	0.907	1.167	1.945	3.889	6.482	9.075	11.668
12660	0.005	0.013	0.026	0.065	0.194	0.259	0.324	0.648	0.907	1.166	1.943	3.887	6.478	9.069	11.660
12670	0.005	0.013	0.026	0.065	0.194	0.259	0.324	0.647	0.906	1.165	1.942	3.884	6.474	9.063	11.653
12680	0.005	0.013	0.026	0.065	0.194	0.259	0.323	0.647	0.906	1.165	1.941	3.882	6.470	9.058	11.646
12690	0.005	0.013	0.026	0.065	0.194	0.259	0.323	0.647	0.905	1.164	1.940	3.879	6.466	9.052	11.638
12700	0.005	0.013	0.026	0.065	0.194	0.258	0.323	0.646	0.905	1.163	1.939	3.877	6.462	9.046	11.631
12710	0.005	0.013	0.026	0.065	0.194	0.258	0.323	0.646	0.904	1.162	1.937	3.875	6.458	9.041	11.624
12720	0.005	0.013	0.026	0.065	0.194	0.258	0.323	0.645	0.903	1.162	1.936	3.872	6.454	9.035	11.616
12730	0.005	0.013	0.026	0.064	0.193	0.258	0.322	0.645	0.903	1.161	1.935	3.870	6.449	9.029	11.609
12740	0.005	0.013	0.026	0.064	0.193	0.258	0.322	0.645	0.902	1.160	1.934	3.867	6.445	9.024	11.602
12750	0.005	0.013	0.026	0.064	0.193	0.258	0.322	0.644	0.902	1.159	1.932	3.865	6.441	9.018	11.595
12760	0.005	0.013	0.026	0.064	0.193	0.257	0.322	0.644	0.901	1.159	1.931	3.862	6.437	9.012	11.587
12770	0.005	0.013	0.026	0.064	0.193	0.257	0.322	0.643	0.901	1.158	1.930	3.860	6.433	9.007	11.580
12780	0.005	0.013	0.026	0.064	0.193	0.257	0.321	0.643	0.900	1.157	1.929	3.858	6.429	9.001	11.573
12790	0.005	0.013	0.026	0.064	0.193	0.257	0.321	0.643	0.900	1.157	1.928	3.855	6.425	8.995	11.565
12800	0.005	0.013	0.026	0.064	0.193	0.257	0.321	0.642	0.899	1.156	1.926	3.853	6.421	8.990	11.558

12810	0.005	0.013	0.026	0.064	0.193	0.257	0.321	0.642	0.898	1.155	1.925	3.850	6.417	8.984	11.551
12820	0.005	0.013	0.026	0.064	0.192	0.257	0.321	0.641	0.898	1.154	1.924	3.848	6.413	8.978	11.544
12830	0.005	0.013	0.026	0.064	0.192	0.256	0.320	0.641	0.897	1.154	1.923	3.845	6.409	8.973	11.536
12840	0.005	0.013	0.026	0.064	0.192	0.256	0.320	0.641	0.897	1.153	1.922	3.843	6.405	8.967	11.529
12850	0.005	0.013	0.026	0.064	0.192	0.256	0.320	0.640	0.896	1.152	1.920	3.841	6.401	8.962	11.522
12860	0.005	0.013	0.026	0.064	0.192	0.256	0.320	0.640	0.896	1.151	1.919	3.838	6.397	8.956	11.515
12870	0.005	0.013	0.026	0.064	0.192	0.256	0.320	0.639	0.895	1.151	1.918	3.836	6.393	8.950	11.508
12880	0.005	0.013	0.026	0.064	0.192	0.256	0.319	0.639	0.894	1.150	1.917	3.833	6.389	8.945	11.500
12890	0.005	0.013	0.026	0.064	0.192	0.255	0.319	0.639	0.894	1.149	1.916	3.831	6.385	8.939	11.493
12900	0.005	0.013	0.026	0.064	0.191	0.255	0.319	0.638	0.893	1.149	1.914	3.829	6.381	8.934	11.486
12910	0.005	0.013	0.026	0.064	0.191	0.255	0.319	0.638	0.893	1.148	1.913	3.826	6.377	8.928	11.479
12920	0.005	0.013	0.025	0.064	0.191	0.255	0.319	0.637	0.892	1.147	1.912	3.824	6.373	8.922	11.472
12930	0.005	0.013	0.025	0.064	0.191	0.255	0.318	0.637	0.892	1.146	1.911	3.821	6.369	8.917	11.464
12940	0.005	0.013	0.025	0.064	0.191	0.255	0.318	0.637	0.891	1.146	1.910	3.819	6.365	8.911	11.457
12950	0.005	0.013	0.025	0.064	0.191	0.254	0.318	0.636	0.891	1.145	1.908	3.817	6.361	8.906	11.450
12960	0.005	0.013	0.025	0.064	0.191	0.254	0.318	0.636	0.890	1.144	1.907	3.814	6.357	8.900	11.443
12970	0.005	0.013	0.025	0.064	0.191	0.254	0.318	0.635	0.889	1.144	1.906	3.812	6.353	8.894	11.436
12980	0.005	0.013	0.025	0.063	0.190	0.254	0.317	0.635	0.889	1.143	1.905	3.810	6.349	8.889	11.429
12990	0.005	0.013	0.025	0.063	0.190	0.254	0.317	0.635	0.888	1.142	1.904	3.807	6.345	8.883	11.421
13000	0.005	0.013	0.025	0.063	0.190	0.254	0.317	0.634	0.888	1.141	1.902	3.805	6.341	8.878	11.414
13010	0.005	0.013	0.025	0.063	0.190	0.253	0.317	0.634	0.887	1.141	1.901	3.802	6.337	8.872	11.407
13020	0.005	0.013	0.025	0.063	0.190	0.253	0.317	0.633	0.887	1.140	1.900	3.800	6.333	8.867	11.400
13030	0.005	0.013	0.025	0.063	0.190	0.253	0.316	0.633	0.886	1.139	1.899	3.798	6.329	8.861	11.393
13040	0.005	0.013	0.025	0.063	0.190	0.253	0.316	0.633	0.886	1.139	1.898	3.795	6.325	8.856	11.386
13050	0.005	0.013	0.025	0.063	0.190	0.253	0.316	0.632	0.885	1.138	1.896	3.793	6.322	8.850	11.379
13060	0.005	0.013	0.025	0.063	0.190	0.253	0.316	0.632	0.884	1.137	1.895	3.791	6.318	8.845	11.372
13070	0.005	0.013	0.025	0.063	0.189	0.253	0.316	0.631	0.884	1.136	1.894	3.788	6.314	8.839	11.365
13080	0.005	0.013	0.025	0.063	0.189	0.252	0.315	0.631	0.883	1.136	1.893	3.786	6.310	8.834	11.357
13090	0.005	0.013	0.025	0.063	0.189	0.252	0.315	0.631	0.883	1.135	1.892	3.783	6.306	8.828	11.350
13100	0.005	0.013	0.025	0.063	0.189	0.252	0.315	0.630	0.882	1.134	1.891	3.781	6.302	8.823	11.343

13110	0.005	0.013	0.025	0.063	0.189	0.252	0.315	0.630	0.882	1.134	1.889	3.779	6.298	8.817	11.336
13120	0.005	0.013	0.025	0.063	0.189	0.252	0.315	0.629	0.881	1.133	1.888	3.776	6.294	8.812	11.329
13130	0.005	0.013	0.025	0.063	0.189	0.252	0.315	0.629	0.881	1.132	1.887	3.774	6.290	8.806	11.322
13140	0.005	0.013	0.025	0.063	0.189	0.251	0.314	0.629	0.880	1.132	1.886	3.772	6.286	8.801	11.315
13150	0.005	0.013	0.025	0.063	0.188	0.251	0.314	0.628	0.880	1.131	1.885	3.769	6.282	8.795	11.308
13160	0.005	0.013	0.025	0.063	0.188	0.251	0.314	0.628	0.879	1.130	1.884	3.767	6.278	8.790	11.301
13170	0.005	0.013	0.025	0.063	0.188	0.251	0.314	0.627	0.878	1.129	1.882	3.765	6.274	8.784	11.294
13180	0.005	0.013	0.025	0.063	0.188	0.251	0.314	0.627	0.878	1.129	1.881	3.762	6.271	8.779	11.287
13190	0.005	0.013	0.025	0.063	0.188	0.251	0.313	0.627	0.877	1.128	1.880	3.760	6.267	8.773	11.280
13200	0.005	0.013	0.025	0.063	0.188	0.251	0.313	0.626	0.877	1.127	1.879	3.758	6.263	8.768	11.273
13210	0.005	0.013	0.025	0.063	0.188	0.250	0.313	0.626	0.876	1.127	1.878	3.755	6.259	8.762	11.266
13220	0.005	0.013	0.025	0.063	0.188	0.250	0.313	0.625	0.876	1.126	1.876	3.753	6.255	8.757	11.259
13230	0.005	0.013	0.025	0.063	0.188	0.250	0.313	0.625	0.875	1.125	1.875	3.751	6.251	8.752	11.252
13240	0.005	0.012	0.025	0.062	0.187	0.250	0.312	0.625	0.875	1.124	1.874	3.748	6.247	8.746	11.245
13250	0.005	0.012	0.025	0.062	0.187	0.250	0.312	0.624	0.874	1.124	1.873	3.746	6.243	8.741	11.238
13260	0.005	0.012	0.025	0.062	0.187	0.250	0.312	0.624	0.874	1.123	1.872	3.744	6.239	8.735	11.231
13270	0.005	0.012	0.025	0.062	0.187	0.249	0.312	0.624	0.873	1.122	1.871	3.741	6.236	8.730	11.224
13280	0.005	0.012	0.025	0.062	0.187	0.249	0.312	0.623	0.872	1.122	1.870	3.739	6.232	8.724	11.217
13290	0.005	0.012	0.025	0.062	0.187	0.249	0.311	0.623	0.872	1.121	1.868	3.737	6.228	8.719	11.210
13300	0.005	0.012	0.025	0.062	0.187	0.249	0.311	0.622	0.871	1.120	1.867	3.734	6.224	8.714	11.203
13310	0.005	0.012	0.025	0.062	0.187	0.249	0.311	0.622	0.871	1.120	1.866	3.732	6.220	8.708	11.196
13320	0.005	0.012	0.025	0.062	0.186	0.249	0.311	0.622	0.870	1.119	1.865	3.730	6.216	8.703	11.189
13330	0.005	0.012	0.025	0.062	0.186	0.248	0.311	0.621	0.870	1.118	1.864	3.727	6.212	8.697	11.182
13340	0.005	0.012	0.025	0.062	0.186	0.248	0.310	0.621	0.869	1.118	1.863	3.725	6.209	8.692	11.175
13350	0.005	0.012	0.025	0.062	0.186	0.248	0.310	0.620	0.869	1.117	1.861	3.723	6.205	8.687	11.168
13360	0.005	0.012	0.025	0.062	0.186	0.248	0.310	0.620	0.868	1.116	1.860	3.721	6.201	8.681	11.162
13370	0.005	0.012	0.025	0.062	0.186	0.248	0.310	0.620	0.868	1.115	1.859	3.718	6.197	8.676	11.155
13380	0.005	0.012	0.025	0.062	0.186	0.248	0.310	0.619	0.867	1.115	1.858	3.716	6.193	8.670	11.148
13390	0.005	0.012	0.025	0.062	0.186	0.248	0.309	0.619	0.867	1.114	1.857	3.714	6.189	8.665	11.141
13400	0.005	0.012	0.025	0.062	0.186	0.247	0.309	0.619	0.866	1.113	1.856	3.711	6.186	8.660	11.134

13410	0.005	0.012	0.025	0.062	0.185	0.247	0.309	0.618	0.865	1.113	1.855	3.709	6.182	8.654	11.127
13420	0.005	0.012	0.025	0.062	0.185	0.247	0.309	0.618	0.865	1.112	1.853	3.707	6.178	8.649	11.120
13430	0.005	0.012	0.025	0.062	0.185	0.247	0.309	0.617	0.864	1.111	1.852	3.704	6.174	8.644	11.113
13440	0.005	0.012	0.025	0.062	0.185	0.247	0.309	0.617	0.864	1.111	1.851	3.702	6.170	8.638	11.106
13450	0.005	0.012	0.025	0.062	0.185	0.247	0.308	0.617	0.863	1.110	1.850	3.700	6.166	8.633	11.100
13460	0.005	0.012	0.025	0.062	0.185	0.247	0.308	0.616	0.863	1.109	1.849	3.698	6.163	8.628	11.093
13470	0.005	0.012	0.025	0.062	0.185	0.246	0.308	0.616	0.862	1.109	1.848	3.695	6.159	8.622	11.086
13480	0.005	0.012	0.025	0.062	0.185	0.246	0.308	0.615	0.862	1.108	1.846	3.693	6.155	8.617	11.079
13490	0.005	0.012	0.025	0.062	0.185	0.246	0.308	0.615	0.861	1.107	1.845	3.691	6.151	8.612	11.072
13500	0.005	0.012	0.025	0.061	0.184	0.246	0.307	0.615	0.861	1.107	1.844	3.688	6.147	8.606	11.065
13510	0.005	0.012	0.025	0.061	0.184	0.246	0.307	0.614	0.860	1.106	1.843	3.686	6.144	8.601	11.058
13520	0.005	0.012	0.025	0.061	0.184	0.246	0.307	0.614	0.860	1.105	1.842	3.684	6.140	8.596	11.052
13530	0.005	0.012	0.025	0.061	0.184	0.245	0.307	0.614	0.859	1.104	1.841	3.682	6.136	8.590	11.045
13540	0.005	0.012	0.025	0.061	0.184	0.245	0.307	0.613	0.859	1.104	1.840	3.679	6.132	8.585	11.038
13550	0.005	0.012	0.025	0.061	0.184	0.245	0.306	0.613	0.858	1.103	1.839	3.677	6.128	8.580	11.031
13560	0.005	0.012	0.024	0.061	0.184	0.245	0.306	0.612	0.857	1.102	1.837	3.675	6.125	8.574	11.024
13570	0.005	0.012	0.024	0.061	0.184	0.245	0.306	0.612	0.857	1.102	1.836	3.673	6.121	8.569	11.018
13580	0.005	0.012	0.024	0.061	0.184	0.245	0.306	0.612	0.856	1.101	1.835	3.670	6.117	8.564	11.011
13590	0.005	0.012	0.024	0.061	0.183	0.245	0.306	0.611	0.856	1.100	1.834	3.668	6.113	8.559	11.004
13600	0.005	0.012	0.024	0.061	0.183	0.244	0.305	0.611	0.855	1.100	1.833	3.666	6.110	8.553	10.997
13610	0.005	0.012	0.024	0.061	0.183	0.244	0.305	0.611	0.855	1.099	1.832	3.663	6.106	8.548	10.990
13620	0.005	0.012	0.024	0.061	0.183	0.244	0.305	0.610	0.854	1.098	1.831	3.661	6.102	8.543	10.984
13630	0.005	0.012	0.024	0.061	0.183	0.244	0.305	0.610	0.854	1.098	1.829	3.659	6.098	8.538	10.977
13640	0.005	0.012	0.024	0.061	0.183	0.244	0.305	0.609	0.853	1.097	1.828	3.657	6.095	8.532	10.970
13650	0.005	0.012	0.024	0.061	0.183	0.244	0.305	0.609	0.853	1.096	1.827	3.654	6.091	8.527	10.963
13660	0.005	0.012	0.024	0.061	0.183	0.243	0.304	0.609	0.852	1.096	1.826	3.652	6.087	8.522	10.957
13670	0.005	0.012	0.024	0.061	0.182	0.243	0.304	0.608	0.852	1.095	1.825	3.650	6.083	8.517	10.950
13680	0.005	0.012	0.024	0.061	0.182	0.243	0.304	0.608	0.851	1.094	1.824	3.648	6.080	8.511	10.943
13690	0.005	0.012	0.024	0.061	0.182	0.243	0.304	0.608	0.851	1.094	1.823	3.645	6.076	8.506	10.936
13700	0.005	0.012	0.024	0.061	0.182	0.243	0.304	0.607	0.850	1.093	1.822	3.643	6.072	8.501	10.930

13710	0.005	0.012	0.024	0.061	0.182	0.243	0.303	0.607	0.850	1.092	1.820	3.641	6.068	8.496	10.923
13720	0.005	0.012	0.024	0.061	0.182	0.243	0.303	0.606	0.849	1.092	1.819	3.639	6.065	8.490	10.916
13730	0.005	0.012	0.024	0.061	0.182	0.242	0.303	0.606	0.849	1.091	1.818	3.637	6.061	8.485	10.910
13740	0.005	0.012	0.024	0.061	0.182	0.242	0.303	0.606	0.848	1.090	1.817	3.634	6.057	8.480	10.903
13750	0.005	0.012	0.024	0.061	0.182	0.242	0.303	0.605	0.847	1.090	1.816	3.632	6.053	8.475	10.896
13760	0.005	0.012	0.024	0.060	0.181	0.242	0.302	0.605	0.847	1.089	1.815	3.630	6.050	8.470	10.889
13770	0.005	0.012	0.024	0.060	0.181	0.242	0.302	0.605	0.846	1.088	1.814	3.628	6.046	8.464	10.883
13780	0.005	0.012	0.024	0.060	0.181	0.242	0.302	0.604	0.846	1.088	1.813	3.625	6.042	8.459	10.876
13790	0.005	0.012	0.024	0.060	0.181	0.242	0.302	0.604	0.845	1.087	1.812	3.623	6.039	8.454	10.869
13800	0.005	0.012	0.024	0.060	0.181	0.241	0.302	0.603	0.845	1.086	1.810	3.621	6.035	8.449	10.863
13810	0.005	0.012	0.024	0.060	0.181	0.241	0.302	0.603	0.844	1.086	1.809	3.619	6.031	8.444	10.856
13820	0.005	0.012	0.024	0.060	0.181	0.241	0.301	0.603	0.844	1.085	1.808	3.616	6.027	8.438	10.849
13830	0.005	0.012	0.024	0.060	0.181	0.241	0.301	0.602	0.843	1.084	1.807	3.614	6.024	8.433	10.843
13840	0.005	0.012	0.024	0.060	0.181	0.241	0.301	0.602	0.843	1.084	1.806	3.612	6.020	8.428	10.836
13850	0.005	0.012	0.024	0.060	0.180	0.241	0.301	0.602	0.842	1.083	1.805	3.610	6.016	8.423	10.829
13860	0.005	0.012	0.024	0.060	0.180	0.241	0.301	0.601	0.842	1.082	1.804	3.608	6.013	8.418	10.823
13870	0.005	0.012	0.024	0.060	0.180	0.240	0.300	0.601	0.841	1.082	1.803	3.605	6.009	8.413	10.816
13880	0.005	0.012	0.024	0.060	0.180	0.240	0.300	0.601	0.841	1.081	1.802	3.603	6.005	8.407	10.809
13890	0.005	0.012	0.024	0.060	0.180	0.240	0.300	0.600	0.840	1.080	1.800	3.601	6.002	8.402	10.803
13900	0.005	0.012	0.024	0.060	0.180	0.240	0.300	0.600	0.840	1.080	1.799	3.599	5.998	8.397	10.796
13910	0.005	0.012	0.024	0.060	0.180	0.240	0.300	0.599	0.839	1.079	1.798	3.597	5.994	8.392	10.790
13920	0.005	0.012	0.024	0.060	0.180	0.240	0.300	0.599	0.839	1.078	1.797	3.594	5.991	8.387	10.783
13930	0.005	0.012	0.024	0.060	0.180	0.239	0.299	0.599	0.838	1.078	1.796	3.592	5.987	8.382	10.776
13940	0.005	0.012	0.024	0.060	0.179	0.239	0.299	0.598	0.838	1.077	1.795	3.590	5.983	8.377	10.770
13950	0.005	0.012	0.024	0.060	0.179	0.239	0.299	0.598	0.837	1.076	1.794	3.588	5.980	8.371	10.763
13960	0.005	0.012	0.024	0.060	0.179	0.239	0.299	0.598	0.837	1.076	1.793	3.586	5.976	8.366	10.757
13970	0.005	0.012	0.024	0.060	0.179	0.239	0.299	0.597	0.836	1.075	1.792	3.583	5.972	8.361	10.750
13980	0.005	0.012	0.024	0.060	0.179	0.239	0.298	0.597	0.836	1.074	1.791	3.581	5.969	8.356	10.743
13990	0.005	0.012	0.024	0.060	0.179	0.239	0.298	0.596	0.835	1.074	1.789	3.579	5.965	8.351	10.737
14000	0.005	0.012	0.024	0.060	0.179	0.238	0.298	0.596	0.835	1.073	1.788	3.577	5.961	8.346	10.730

14010	0.005	0.012	0.024	0.060	0.179	0.238	0.298	0.596	0.834	1.072	1.787	3.575	5.958	8.341	10.724
14020	0.005	0.012	0.024	0.060	0.179	0.238	0.298	0.595	0.834	1.072	1.786	3.572	5.954	8.336	10.717
14030	0.005	0.012	0.024	0.060	0.179	0.238	0.298	0.595	0.833	1.071	1.785	3.570	5.950	8.331	10.711
14040	0.005	0.012	0.024	0.059	0.178	0.238	0.297	0.595	0.833	1.070	1.784	3.568	5.947	8.325	10.704
14050	0.005	0.012	0.024	0.059	0.178	0.238	0.297	0.594	0.832	1.070	1.783	3.566	5.943	8.320	10.698
14060	0.005	0.012	0.024	0.059	0.178	0.238	0.297	0.594	0.832	1.069	1.782	3.564	5.939	8.315	10.691
14070	0.005	0.012	0.024	0.059	0.178	0.237	0.297	0.594	0.831	1.068	1.781	3.562	5.936	8.310	10.685
14080	0.005	0.012	0.024	0.059	0.178	0.237	0.297	0.593	0.831	1.068	1.780	3.559	5.932	8.305	10.678
14090	0.005	0.012	0.024	0.059	0.178	0.237	0.296	0.593	0.830	1.067	1.779	3.557	5.929	8.300	10.671
14100	0.005	0.012	0.024	0.059	0.178	0.237	0.296	0.592	0.829	1.066	1.777	3.555	5.925	8.295	10.665
14110	0.005	0.012	0.024	0.059	0.178	0.237	0.296	0.592	0.829	1.066	1.776	3.553	5.921	8.290	10.658
14120	0.005	0.012	0.024	0.059	0.178	0.237	0.296	0.592	0.828	1.065	1.775	3.551	5.918	8.285	10.652
14130	0.005	0.012	0.024	0.059	0.177	0.237	0.296	0.591	0.828	1.065	1.774	3.548	5.914	8.280	10.645
14140	0.005	0.012	0.024	0.059	0.177	0.236	0.296	0.591	0.827	1.064	1.773	3.546	5.911	8.275	10.639
14150	0.005	0.012	0.024	0.059	0.177	0.236	0.295	0.591	0.827	1.063	1.772	3.544	5.907	8.270	10.632
14160	0.005	0.012	0.024	0.059	0.177	0.236	0.295	0.590	0.826	1.063	1.771	3.542	5.903	8.265	10.626
14170	0.005	0.012	0.024	0.059	0.177	0.236	0.295	0.590	0.826	1.062	1.770	3.540	5.900	8.260	10.620
14180	0.005	0.012	0.024	0.059	0.177	0.236	0.295	0.590	0.825	1.061	1.769	3.538	5.896	8.255	10.613
14190	0.005	0.012	0.024	0.059	0.177	0.236	0.295	0.589	0.825	1.061	1.768	3.536	5.893	8.250	10.607
14200	0.005	0.012	0.024	0.059	0.177	0.236	0.294	0.589	0.824	1.060	1.767	3.533	5.889	8.245	10.600
14210	0.005	0.012	0.024	0.059	0.177	0.235	0.294	0.589	0.824	1.059	1.766	3.531	5.885	8.240	10.594
14220	0.005	0.012	0.024	0.059	0.176	0.235	0.294	0.588	0.823	1.059	1.765	3.529	5.882	8.235	10.587
14230	0.005	0.012	0.024	0.059	0.176	0.235	0.294	0.588	0.823	1.058	1.763	3.527	5.878	8.229	10.581
14240	0.005	0.012	0.023	0.059	0.176	0.235	0.294	0.587	0.822	1.057	1.762	3.525	5.875	8.224	10.574
14250	0.005	0.012	0.023	0.059	0.176	0.235	0.294	0.587	0.822	1.057	1.761	3.523	5.871	8.219	10.568
14260	0.005	0.012	0.023	0.059	0.176	0.235	0.293	0.587	0.821	1.056	1.760	3.520	5.867	8.214	10.561
14270	0.005	0.012	0.023	0.059	0.176	0.235	0.293	0.586	0.821	1.056	1.759	3.518	5.864	8.209	10.555
14280	0.005	0.012	0.023	0.059	0.176	0.234	0.293	0.586	0.820	1.055	1.758	3.516	5.860	8.204	10.549
14290	0.005	0.012	0.023	0.059	0.176	0.234	0.293	0.586	0.820	1.054	1.757	3.514	5.857	8.199	10.542
14300	0.005	0.012	0.023	0.059	0.176	0.234	0.293	0.585	0.819	1.054	1.756	3.512	5.853	8.195	10.536

14310	0.005	0.012	0.023	0.058	0.175	0.234	0.292	0.585	0.819	1.053	1.755	3.510	5.850	8.190	10.529
14320	0.005	0.012	0.023	0.058	0.175	0.234	0.292	0.585	0.818	1.052	1.754	3.508	5.846	8.185	10.523
14330	0.005	0.012	0.023	0.058	0.175	0.234	0.292	0.584	0.818	1.052	1.753	3.506	5.843	8.180	10.517
14340	0.005	0.012	0.023	0.058	0.175	0.234	0.292	0.584	0.817	1.051	1.752	3.503	5.839	8.175	10.510
14350	0.005	0.012	0.023	0.058	0.175	0.233	0.292	0.584	0.817	1.050	1.751	3.501	5.835	8.170	10.504
14360	0.005	0.012	0.023	0.058	0.175	0.233	0.292	0.583	0.816	1.050	1.750	3.499	5.832	8.165	10.497
14370	0.005	0.012	0.023	0.058	0.175	0.233	0.291	0.583	0.816	1.049	1.749	3.497	5.828	8.160	10.491
14380	0.005	0.012	0.023	0.058	0.175	0.233	0.291	0.582	0.815	1.048	1.747	3.495	5.825	8.155	10.485
14390	0.005	0.012	0.023	0.058	0.175	0.233	0.291	0.582	0.815	1.048	1.746	3.493	5.821	8.150	10.478
14400	0.005	0.012	0.023	0.058	0.175	0.233	0.291	0.582	0.814	1.047	1.745	3.491	5.818	8.145	10.472
14410	0.005	0.012	0.023	0.058	0.174	0.233	0.291	0.581	0.814	1.047	1.744	3.489	5.814	8.140	10.466
14420	0.005	0.012	0.023	0.058	0.174	0.232	0.291	0.581	0.813	1.046	1.743	3.486	5.811	8.135	10.459
14430	0.005	0.012	0.023	0.058	0.174	0.232	0.290	0.581	0.813	1.045	1.742	3.484	5.807	8.130	10.453
14440	0.005	0.012	0.023	0.058	0.174	0.232	0.290	0.580	0.813	1.045	1.741	3.482	5.804	8.125	10.447
14450	0.005	0.012	0.023	0.058	0.174	0.232	0.290	0.580	0.812	1.044	1.740	3.480	5.800	8.120	10.440
14460	0.005	0.012	0.023	0.058	0.174	0.232	0.290	0.580	0.812	1.043	1.739	3.478	5.797	8.115	10.434
14470	0.005	0.012	0.023	0.058	0.174	0.232	0.290	0.579	0.811	1.043	1.738	3.476	5.793	8.110	10.428
14480	0.005	0.012	0.023	0.058	0.174	0.232	0.289	0.579	0.811	1.042	1.737	3.474	5.790	8.105	10.421
14490	0.005	0.012	0.023	0.058	0.174	0.231	0.289	0.579	0.810	1.041	1.736	3.472	5.786	8.101	10.415
14500	0.005	0.012	0.023	0.058	0.173	0.231	0.289	0.578	0.810	1.041	1.735	3.470	5.783	8.096	10.409
14510	0.005	0.012	0.023	0.058	0.173	0.231	0.289	0.578	0.809	1.040	1.734	3.467	5.779	8.091	10.402
14520	0.005	0.012	0.023	0.058	0.173	0.231	0.289	0.578	0.809	1.040	1.733	3.465	5.776	8.086	10.396
14530	0.005	0.012	0.023	0.058	0.173	0.231	0.289	0.577	0.808	1.039	1.732	3.463	5.772	8.081	10.390
14540	0.005	0.012	0.023	0.058	0.173	0.231	0.288	0.577	0.808	1.038	1.731	3.461	5.769	8.076	10.383
14550	0.005	0.012	0.023	0.058	0.173	0.231	0.288	0.577	0.807	1.038	1.730	3.459	5.765	8.071	10.377
14560	0.005	0.012	0.023	0.058	0.173	0.230	0.288	0.576	0.807	1.037	1.728	3.457	5.762	8.066	10.371
14570	0.005	0.012	0.023	0.058	0.173	0.230	0.288	0.576	0.806	1.036	1.727	3.455	5.758	8.061	10.365
14580	0.005	0.012	0.023	0.058	0.173	0.230	0.288	0.575	0.806	1.036	1.726	3.453	5.755	8.056	10.358
14590	0.005	0.012	0.023	0.058	0.173	0.230	0.288	0.575	0.805	1.035	1.725	3.451	5.751	8.052	10.352
14600	0.005	0.011	0.023	0.057	0.172	0.230	0.287	0.575	0.805	1.035	1.724	3.449	5.748	8.047	10.346

14610	0.005	0.011	0.023	0.057	0.172	0.230	0.287	0.574	0.804	1.034	1.723	3.447	5.744	8.042	10.340
14620	0.005	0.011	0.023	0.057	0.172	0.230	0.287	0.574	0.804	1.033	1.722	3.444	5.741	8.037	10.333
14630	0.005	0.011	0.023	0.057	0.172	0.229	0.287	0.574	0.803	1.033	1.721	3.442	5.737	8.032	10.327
14640	0.005	0.011	0.023	0.057	0.172	0.229	0.287	0.573	0.803	1.032	1.720	3.440	5.734	8.027	10.321
14650	0.005	0.011	0.023	0.057	0.172	0.229	0.287	0.573	0.802	1.031	1.719	3.438	5.730	8.022	10.315
14660	0.005	0.011	0.023	0.057	0.172	0.229	0.286	0.573	0.802	1.031	1.718	3.436	5.727	8.018	10.308
14670	0.005	0.011	0.023	0.057	0.172	0.229	0.286	0.572	0.801	1.030	1.717	3.434	5.723	8.013	10.302
14680	0.005	0.011	0.023	0.057	0.172	0.229	0.286	0.572	0.801	1.030	1.716	3.432	5.720	8.008	10.296
14690	0.005	0.011	0.023	0.057	0.171	0.229	0.286	0.572	0.800	1.029	1.715	3.430	5.716	8.003	10.290
14700	0.005	0.011	0.023	0.057	0.171	0.229	0.286	0.571	0.800	1.028	1.714	3.428	5.713	7.998	10.283
14710	0.005	0.011	0.023	0.057	0.171	0.228	0.285	0.571	0.799	1.028	1.713	3.426	5.710	7.993	10.277
14720	0.005	0.011	0.023	0.057	0.171	0.228	0.285	0.571	0.799	1.027	1.712	3.424	5.706	7.989	10.271
14730	0.005	0.011	0.023	0.057	0.171	0.228	0.285	0.570	0.798	1.026	1.711	3.422	5.703	7.984	10.265
14740	0.005	0.011	0.023	0.057	0.171	0.228	0.285	0.570	0.798	1.026	1.710	3.420	5.699	7.979	10.259
14750	0.005	0.011	0.023	0.057	0.171	0.228	0.285	0.570	0.797	1.025	1.709	3.417	5.696	7.974	10.252
14760	0.005	0.011	0.023	0.057	0.171	0.228	0.285	0.569	0.797	1.025	1.708	3.415	5.692	7.969	10.246
14770	0.005	0.011	0.023	0.057	0.171	0.228	0.284	0.569	0.796	1.024	1.707	3.413	5.689	7.965	10.240
14780	0.005	0.011	0.023	0.057	0.171	0.227	0.284	0.569	0.796	1.023	1.706	3.411	5.685	7.960	10.234
14790	0.005	0.011	0.023	0.057	0.170	0.227	0.284	0.568	0.795	1.023	1.705	3.409	5.682	7.955	10.228
14800	0.005	0.011	0.023	0.057	0.170	0.227	0.284	0.568	0.795	1.022	1.704	3.407	5.679	7.950	10.222
14810	0.005	0.011	0.023	0.057	0.170	0.227	0.284	0.568	0.795	1.022	1.703	3.405	5.675	7.945	10.215
14820	0.005	0.011	0.023	0.057	0.170	0.227	0.284	0.567	0.794	1.021	1.702	3.403	5.672	7.941	10.209
14830	0.005	0.011	0.023	0.057	0.170	0.227	0.283	0.567	0.794	1.020	1.701	3.401	5.668	7.936	10.203
14840	0.005	0.011	0.023	0.057	0.170	0.227	0.283	0.566	0.793	1.020	1.699	3.399	5.665	7.931	10.197
14850	0.005	0.011	0.023	0.057	0.170	0.226	0.283	0.566	0.793	1.019	1.698	3.397	5.662	7.926	10.191
14860	0.005	0.011	0.023	0.057	0.170	0.226	0.283	0.566	0.792	1.018	1.697	3.395	5.658	7.921	10.185
14870	0.005	0.011	0.023	0.057	0.170	0.226	0.283	0.565	0.792	1.018	1.696	3.393	5.655	7.917	10.179
14880	0.005	0.011	0.023	0.057	0.170	0.226	0.283	0.565	0.791	1.017	1.695	3.391	5.651	7.912	10.172
14890	0.005	0.011	0.023	0.056	0.169	0.226	0.282	0.565	0.791	1.017	1.694	3.389	5.648	7.907	10.166
14900	0.005	0.011	0.023	0.056	0.169	0.226	0.282	0.564	0.790	1.016	1.693	3.387	5.645	7.902	10.160

14910	0.005	0.011	0.023	0.056	0.169	0.226	0.282	0.564	0.790	1.015	1.692	3.385	5.641	7.898	10.154
14920	0.005	0.011	0.023	0.056	0.169	0.226	0.282	0.564	0.789	1.015	1.691	3.383	5.638	7.893	10.148
14930	0.005	0.011	0.023	0.056	0.169	0.225	0.282	0.563	0.789	1.014	1.690	3.381	5.634	7.888	10.142
14940	0.005	0.011	0.023	0.056	0.169	0.225	0.282	0.563	0.788	1.014	1.689	3.379	5.631	7.883	10.136
14950	0.005	0.011	0.023	0.056	0.169	0.225	0.281	0.563	0.788	1.013	1.688	3.377	5.628	7.879	10.130
14960	0.004	0.011	0.022	0.056	0.169	0.225	0.281	0.562	0.787	1.012	1.687	3.375	5.624	7.874	10.124
14970	0.004	0.011	0.022	0.056	0.169	0.225	0.281	0.562	0.787	1.012	1.686	3.372	5.621	7.869	10.117
14980	0.004	0.011	0.022	0.056	0.169	0.225	0.281	0.562	0.786	1.011	1.685	3.370	5.617	7.864	10.111
14990	0.004	0.011	0.022	0.056	0.168	0.225	0.281	0.561	0.786	1.011	1.684	3.368	5.614	7.860	10.105
15000	0.004	0.011	0.022	0.056	0.168	0.224	0.281	0.561	0.785	1.010	1.683	3.366	5.611	7.855	10.099
15010	0.004	0.011	0.022	0.056	0.168	0.224	0.280	0.561	0.785	1.009	1.682	3.364	5.607	7.850	10.093
15020	0.004	0.011	0.022	0.056	0.168	0.224	0.280	0.560	0.785	1.009	1.681	3.362	5.604	7.846	10.087
15030	0.004	0.011	0.022	0.056	0.168	0.224	0.280	0.560	0.784	1.008	1.680	3.360	5.601	7.841	10.081
15040	0.004	0.011	0.022	0.056	0.168	0.224	0.280	0.560	0.784	1.007	1.679	3.358	5.597	7.836	10.075
15050	0.004	0.011	0.022	0.056	0.168	0.224	0.280	0.559	0.783	1.007	1.678	3.356	5.594	7.831	10.069
15060	0.004	0.011	0.022	0.056	0.168	0.224	0.280	0.559	0.783	1.006	1.677	3.354	5.590	7.827	10.063
15070	0.004	0.011	0.022	0.056	0.168	0.223	0.279	0.559	0.782	1.006	1.676	3.352	5.587	7.822	10.057
15080	0.004	0.011	0.022	0.056	0.168	0.223	0.279	0.558	0.782	1.005	1.675	3.350	5.584	7.817	10.051
15090	0.004	0.011	0.022	0.056	0.167	0.223	0.279	0.558	0.781	1.004	1.674	3.348	5.580	7.813	10.045
15100	0.004	0.011	0.022	0.056	0.167	0.223	0.279	0.558	0.781	1.004	1.673	3.346	5.577	7.808	10.039
15110	0.004	0.011	0.022	0.056	0.167	0.223	0.279	0.557	0.780	1.003	1.672	3.344	5.574	7.803	10.033
15120	0.004	0.011	0.022	0.056	0.167	0.223	0.279	0.557	0.780	1.003	1.671	3.342	5.570	7.799	10.027
15130	0.004	0.011	0.022	0.056	0.167	0.223	0.278	0.557	0.779	1.002	1.670	3.340	5.567	7.794	10.021
15140	0.004	0.011	0.022	0.056	0.167	0.223	0.278	0.556	0.779	1.001	1.669	3.338	5.564	7.789	10.015
15150	0.004	0.011	0.022	0.056	0.167	0.222	0.278	0.556	0.778	1.001	1.668	3.336	5.560	7.785	10.009
15160	0.004	0.011	0.022	0.056	0.167	0.222	0.278	0.556	0.778	1.000	1.667	3.334	5.557	7.780	10.003
15170	0.004	0.011	0.022	0.056	0.167	0.222	0.278	0.555	0.778	1.000	1.666	3.332	5.554	7.775	9.997
15180	0.004	0.011	0.022	0.056	0.167	0.222	0.278	0.555	0.777	0.999	1.665	3.330	5.550	7.771	9.991
15190	0.004	0.011	0.022	0.055	0.166	0.222	0.277	0.555	0.777	0.998	1.664	3.328	5.547	7.766	9.985
15200	0.004	0.011	0.022	0.055	0.166	0.222	0.277	0.554	0.776	0.998	1.663	3.326	5.544	7.761	9.979

15210	0.004	0.011	0.022	0.055	0.166	0.222	0.277	0.554	0.776	0.997	1.662	3.324	5.540	7.757	9.973
15220	0.004	0.011	0.022	0.055	0.166	0.221	0.277	0.554	0.775	0.997	1.661	3.322	5.537	7.752	9.967
15230	0.004	0.011	0.022	0.055	0.166	0.221	0.277	0.553	0.775	0.996	1.660	3.320	5.534	7.747	9.961
15240	0.004	0.011	0.022	0.055	0.166	0.221	0.277	0.553	0.774	0.995	1.659	3.318	5.530	7.743	9.955
15250	0.004	0.011	0.022	0.055	0.166	0.221	0.276	0.553	0.774	0.995	1.658	3.316	5.527	7.738	9.949
15260	0.004	0.011	0.022	0.055	0.166	0.221	0.276	0.552	0.773	0.994	1.657	3.314	5.524	7.733	9.943
15270	0.004	0.011	0.022	0.055	0.166	0.221	0.276	0.552	0.773	0.994	1.656	3.312	5.521	7.729	9.937
15280	0.004	0.011	0.022	0.055	0.166	0.221	0.276	0.552	0.772	0.993	1.655	3.310	5.517	7.724	9.931
15290	0.004	0.011	0.022	0.055	0.165	0.221	0.276	0.551	0.772	0.993	1.654	3.308	5.514	7.720	9.925
15300	0.004	0.011	0.022	0.055	0.165	0.220	0.276	0.551	0.771	0.992	1.653	3.306	5.511	7.715	9.919
15310	0.004	0.011	0.022	0.055	0.165	0.220	0.275	0.551	0.771	0.991	1.652	3.304	5.507	7.710	9.913
15320	0.004	0.011	0.022	0.055	0.165	0.220	0.275	0.550	0.771	0.991	1.651	3.302	5.504	7.706	9.907
15330	0.004	0.011	0.022	0.055	0.165	0.220	0.275	0.550	0.770	0.990	1.650	3.300	5.501	7.701	9.901
15340	0.004	0.011	0.022	0.055	0.165	0.220	0.275	0.550	0.770	0.990	1.649	3.298	5.497	7.696	9.895
15350	0.004	0.011	0.022	0.055	0.165	0.220	0.275	0.549	0.769	0.989	1.648	3.297	5.494	7.692	9.890
15360	0.004	0.011	0.022	0.055	0.165	0.220	0.275	0.549	0.769	0.988	1.647	3.295	5.491	7.687	9.884
15370	0.004	0.011	0.022	0.055	0.165	0.220	0.274	0.549	0.768	0.988	1.646	3.293	5.488	7.683	9.878
15380	0.004	0.011	0.022	0.055	0.165	0.219	0.274	0.548	0.768	0.987	1.645	3.291	5.484	7.678	9.872
15390	0.004	0.011	0.022	0.055	0.164	0.219	0.274	0.548	0.767	0.987	1.644	3.289	5.481	7.674	9.866
15400	0.004	0.011	0.022	0.055	0.164	0.219	0.274	0.548	0.767	0.986	1.643	3.287	5.478	7.669	9.860
15410	0.004	0.011	0.022	0.055	0.164	0.219	0.274	0.547	0.766	0.985	1.642	3.285	5.475	7.664	9.854
15420	0.004	0.011	0.022	0.055	0.164	0.219	0.274	0.547	0.766	0.985	1.641	3.283	5.471	7.660	9.848
15430	0.004	0.011	0.022	0.055	0.164	0.219	0.273	0.547	0.766	0.984	1.640	3.281	5.468	7.655	9.842
15440	0.004	0.011	0.022	0.055	0.164	0.219	0.273	0.546	0.765	0.984	1.639	3.279	5.465	7.651	9.837
15450	0.004	0.011	0.022	0.055	0.164	0.218	0.273	0.546	0.765	0.983	1.638	3.277	5.461	7.646	9.831
15460	0.004	0.011	0.022	0.055	0.164	0.218	0.273	0.546	0.764	0.982	1.637	3.275	5.458	7.642	9.825
15470	0.004	0.011	0.022	0.055	0.164	0.218	0.273	0.545	0.764	0.982	1.636	3.273	5.455	7.637	9.819
15480	0.004	0.011	0.022	0.055	0.164	0.218	0.273	0.545	0.763	0.981	1.636	3.271	5.452	7.632	9.813
15490	0.004	0.011	0.022	0.054	0.163	0.218	0.272	0.545	0.763	0.981	1.635	3.269	5.448	7.628	9.807
15500	0.004	0.011	0.022	0.054	0.163	0.218	0.272	0.545	0.762	0.980	1.634	3.267	5.445	7.623	9.801

15510	0.004	0.011	0.022	0.054	0.163	0.218	0.272	0.544	0.762	0.980	1.633	3.265	5.442	7.619	9.796
15520	0.004	0.011	0.022	0.054	0.163	0.218	0.272	0.544	0.761	0.979	1.632	3.263	5.439	7.614	9.790
15530	0.004	0.011	0.022	0.054	0.163	0.217	0.272	0.544	0.761	0.978	1.631	3.261	5.435	7.610	9.784
15540	0.004	0.011	0.022	0.054	0.163	0.217	0.272	0.543	0.761	0.978	1.630	3.259	5.432	7.605	9.778
15550	0.004	0.011	0.022	0.054	0.163	0.217	0.271	0.543	0.760	0.977	1.629	3.257	5.429	7.601	9.772
15560	0.004	0.011	0.022	0.054	0.163	0.217	0.271	0.543	0.760	0.977	1.628	3.255	5.426	7.596	9.766
15570	0.004	0.011	0.022	0.054	0.163	0.217	0.271	0.542	0.759	0.976	1.627	3.254	5.423	7.592	9.761
15580	0.004	0.011	0.022	0.054	0.163	0.217	0.271	0.542	0.759	0.975	1.626	3.252	5.419	7.587	9.755
15590	0.004	0.011	0.022	0.054	0.162	0.217	0.271	0.542	0.758	0.975	1.625	3.250	5.416	7.583	9.749
15600	0.004	0.011	0.022	0.054	0.162	0.217	0.271	0.541	0.758	0.974	1.624	3.248	5.413	7.578	9.743
15610	0.004	0.011	0.022	0.054	0.162	0.216	0.270	0.541	0.757	0.974	1.623	3.246	5.410	7.573	9.737
15620	0.004	0.011	0.022	0.054	0.162	0.216	0.270	0.541	0.757	0.973	1.622	3.244	5.406	7.569	9.732
15630	0.004	0.011	0.022	0.054	0.162	0.216	0.270	0.540	0.756	0.973	1.621	3.242	5.403	7.564	9.726
15640	0.004	0.011	0.022	0.054	0.162	0.216	0.270	0.540	0.756	0.972	1.620	3.240	5.400	7.560	9.720
15650	0.004	0.011	0.022	0.054	0.162	0.216	0.270	0.540	0.756	0.971	1.619	3.238	5.397	7.555	9.714
15660	0.004	0.011	0.022	0.054	0.162	0.216	0.270	0.539	0.755	0.971	1.618	3.236	5.394	7.551	9.708
15670	0.004	0.011	0.022	0.054	0.162	0.216	0.270	0.539	0.755	0.970	1.617	3.234	5.390	7.546	9.703
15680	0.004	0.011	0.022	0.054	0.162	0.215	0.269	0.539	0.754	0.970	1.616	3.232	5.387	7.542	9.697
15690	0.004	0.011	0.022	0.054	0.162	0.215	0.269	0.538	0.754	0.969	1.615	3.230	5.384	7.538	9.691
15700	0.004	0.011	0.022	0.054	0.161	0.215	0.269	0.538	0.753	0.969	1.614	3.228	5.381	7.533	9.685
15710	0.004	0.011	0.022	0.054	0.161	0.215	0.269	0.538	0.753	0.968	1.613	3.227	5.378	7.529	9.680
15720	0.004	0.011	0.021	0.054	0.161	0.215	0.269	0.537	0.752	0.967	1.612	3.225	5.374	7.524	9.674
15730	0.004	0.011	0.021	0.054	0.161	0.215	0.269	0.537	0.752	0.967	1.611	3.223	5.371	7.520	9.668
15740	0.004	0.011	0.021	0.054	0.161	0.215	0.268	0.537	0.752	0.966	1.610	3.221	5.368	7.515	9.662
15750	0.004	0.011	0.021	0.054	0.161	0.215	0.268	0.536	0.751	0.966	1.609	3.219	5.365	7.511	9.657
15760	0.004	0.011	0.021	0.054	0.161	0.214	0.268	0.536	0.751	0.965	1.608	3.217	5.362	7.506	9.651
15770	0.004	0.011	0.021	0.054	0.161	0.214	0.268	0.536	0.750	0.965	1.608	3.215	5.358	7.502	9.645
15780	0.004	0.011	0.021	0.054	0.161	0.214	0.268	0.536	0.750	0.964	1.607	3.213	5.355	7.497	9.639
15790	0.004	0.011	0.021	0.054	0.161	0.214	0.268	0.535	0.749	0.963	1.606	3.211	5.352	7.493	9.634
15800	0.004	0.011	0.021	0.053	0.160	0.214	0.267	0.535	0.749	0.963	1.605	3.209	5.349	7.488	9.628

15810	0.004	0.011	0.021	0.053	0.160	0.214	0.267	0.535	0.748	0.962	1.604	3.207	5.346	7.484	9.622
15820	0.004	0.011	0.021	0.053	0.160	0.214	0.267	0.534	0.748	0.962	1.603	3.206	5.343	7.480	9.617
15830	0.004	0.011	0.021	0.053	0.160	0.214	0.267	0.534	0.748	0.961	1.602	3.204	5.339	7.475	9.611
15840	0.004	0.011	0.021	0.053	0.160	0.213	0.267	0.534	0.747	0.961	1.601	3.202	5.336	7.471	9.605
15850	0.004	0.011	0.021	0.053	0.160	0.213	0.267	0.533	0.747	0.960	1.600	3.200	5.333	7.466	9.599
15860	0.004	0.011	0.021	0.053	0.160	0.213	0.266	0.533	0.746	0.959	1.599	3.198	5.330	7.462	9.594
15870	0.004	0.011	0.021	0.053	0.160	0.213	0.266	0.533	0.746	0.959	1.598	3.196	5.327	7.457	9.588
15880	0.004	0.011	0.021	0.053	0.160	0.213	0.266	0.532	0.745	0.958	1.597	3.194	5.324	7.453	9.582
15890	0.004	0.011	0.021	0.053	0.160	0.213	0.266	0.532	0.745	0.958	1.596	3.192	5.320	7.449	9.577
15900	0.004	0.011	0.021	0.053	0.160	0.213	0.266	0.532	0.744	0.957	1.595	3.190	5.317	7.444	9.571
15910	0.004	0.011	0.021	0.053	0.159	0.213	0.266	0.531	0.744	0.957	1.594	3.188	5.314	7.440	9.565
15920	0.004	0.011	0.021	0.053	0.159	0.212	0.266	0.531	0.744	0.956	1.593	3.187	5.311	7.435	9.560
15930	0.004	0.011	0.021	0.053	0.159	0.212	0.265	0.531	0.743	0.955	1.592	3.185	5.308	7.431	9.554
15940	0.004	0.011	0.021	0.053	0.159	0.212	0.265	0.530	0.743	0.955	1.591	3.183	5.305	7.426	9.548
15950	0.004	0.011	0.021	0.053	0.159	0.212	0.265	0.530	0.742	0.954	1.590	3.181	5.301	7.422	9.543
15960	0.004	0.011	0.021	0.053	0.159	0.212	0.265	0.530	0.742	0.954	1.589	3.179	5.298	7.418	9.537
15970	0.004	0.011	0.021	0.053	0.159	0.212	0.265	0.530	0.741	0.953	1.589	3.177	5.295	7.413	9.531
15980	0.004	0.011	0.021	0.053	0.159	0.212	0.265	0.529	0.741	0.953	1.588	3.175	5.292	7.409	9.526
15990	0.004	0.011	0.021	0.053	0.159	0.212	0.264	0.529	0.740	0.952	1.587	3.173	5.289	7.404	9.520
16000	0.004	0.011	0.021	0.053	0.159	0.211	0.264	0.529	0.740	0.951	1.586	3.171	5.286	7.400	9.514
16010	0.004	0.011	0.021	0.053	0.158	0.211	0.264	0.528	0.740	0.951	1.585	3.170	5.283	7.396	9.509
16020	0.004	0.011	0.021	0.053	0.158	0.211	0.264	0.528	0.739	0.950	1.584	3.168	5.280	7.391	9.503
16030	0.004	0.011	0.021	0.053	0.158	0.211	0.264	0.528	0.739	0.950	1.583	3.166	5.276	7.387	9.498
16040	0.004	0.011	0.021	0.053	0.158	0.211	0.264	0.527	0.738	0.949	1.582	3.164	5.273	7.383	9.492
16050	0.004	0.011	0.021	0.053	0.158	0.211	0.264	0.527	0.738	0.949	1.581	3.162	5.270	7.378	9.486
16060	0.004	0.011	0.021	0.053	0.158	0.211	0.263	0.527	0.737	0.948	1.580	3.160	5.267	7.374	9.481
16070	0.004	0.011	0.021	0.053	0.158	0.211	0.263	0.526	0.737	0.948	1.579	3.158	5.264	7.369	9.475
16080	0.004	0.011	0.021	0.053	0.158	0.210	0.263	0.526	0.737	0.947	1.578	3.156	5.261	7.365	9.469
16090	0.004	0.011	0.021	0.053	0.158	0.210	0.263	0.526	0.736	0.946	1.577	3.155	5.258	7.361	9.464
16100	0.004	0.011	0.021	0.053	0.158	0.210	0.263	0.525	0.736	0.946	1.576	3.153	5.255	7.356	9.458

16110	0.004	0.011	0.021	0.053	0.158	0.210	0.263	0.525	0.735	0.945	1.575	3.151	5.251	7.352	9.453
16120	0.004	0.010	0.021	0.052	0.157	0.210	0.262	0.525	0.735	0.945	1.575	3.149	5.248	7.348	9.447
16130	0.004	0.010	0.021	0.052	0.157	0.210	0.262	0.525	0.734	0.944	1.574	3.147	5.245	7.343	9.441
16140	0.004	0.010	0.021	0.052	0.157	0.210	0.262	0.524	0.734	0.944	1.573	3.145	5.242	7.339	9.436
16150	0.004	0.010	0.021	0.052	0.157	0.210	0.262	0.524	0.733	0.943	1.572	3.143	5.239	7.335	9.430
16160	0.004	0.010	0.021	0.052	0.157	0.209	0.262	0.524	0.733	0.942	1.571	3.142	5.236	7.330	9.425
16170	0.004	0.010	0.021	0.052	0.157	0.209	0.262	0.523	0.733	0.942	1.570	3.140	5.233	7.326	9.419
16180	0.004	0.010	0.021	0.052	0.157	0.209	0.261	0.523	0.732	0.941	1.569	3.138	5.230	7.322	9.414
16190	0.004	0.010	0.021	0.052	0.157	0.209	0.261	0.523	0.732	0.941	1.568	3.136	5.227	7.317	9.408
16200	0.004	0.010	0.021	0.052	0.157	0.209	0.261	0.522	0.731	0.940	1.567	3.134	5.224	7.313	9.403
16210	0.004	0.010	0.021	0.052	0.157	0.209	0.261	0.522	0.731	0.940	1.566	3.132	5.221	7.309	9.397
16220	0.004	0.010	0.021	0.052	0.157	0.209	0.261	0.522	0.730	0.939	1.565	3.130	5.217	7.304	9.391
16230	0.004	0.010	0.021	0.052	0.156	0.209	0.261	0.521	0.730	0.939	1.564	3.129	5.214	7.300	9.386
16240	0.004	0.010	0.021	0.052	0.156	0.208	0.261	0.521	0.730	0.938	1.563	3.127	5.211	7.296	9.380
16250	0.004	0.010	0.021	0.052	0.156	0.208	0.260	0.521	0.729	0.937	1.562	3.125	5.208	7.292	9.375
16260	0.004	0.010	0.021	0.052	0.156	0.208	0.260	0.521	0.729	0.937	1.562	3.123	5.205	7.287	9.369
16270	0.004	0.010	0.021	0.052	0.156	0.208	0.260	0.520	0.728	0.936	1.561	3.121	5.202	7.283	9.364
16280	0.004	0.010	0.021	0.052	0.156	0.208	0.260	0.520	0.728	0.936	1.560	3.119	5.199	7.279	9.358
16290	0.004	0.010	0.021	0.052	0.156	0.208	0.260	0.520	0.727	0.935	1.559	3.118	5.196	7.274	9.353
16300	0.004	0.010	0.021	0.052	0.156	0.208	0.260	0.519	0.727	0.935	1.558	3.116	5.193	7.270	9.347
16310	0.004	0.010	0.021	0.052	0.156	0.208	0.259	0.519	0.727	0.934	1.557	3.114	5.190	7.266	9.342
16320	0.004	0.010	0.021	0.052	0.156	0.207	0.259	0.519	0.726	0.934	1.556	3.112	5.187	7.261	9.336
16330	0.004	0.010	0.021	0.052	0.156	0.207	0.259	0.518	0.726	0.933	1.555	3.110	5.184	7.257	9.331
16340	0.004	0.010	0.021	0.052	0.155	0.207	0.259	0.518	0.725	0.933	1.554	3.108	5.181	7.253	9.325
16350	0.004	0.010	0.021	0.052	0.155	0.207	0.259	0.518	0.725	0.932	1.553	3.107	5.178	7.249	9.320
16360	0.004	0.010	0.021	0.052	0.155	0.207	0.259	0.517	0.724	0.931	1.552	3.105	5.175	7.244	9.314
16370	0.004	0.010	0.021	0.052	0.155	0.207	0.259	0.517	0.724	0.931	1.551	3.103	5.171	7.240	9.309
16380	0.004	0.010	0.021	0.052	0.155	0.207	0.258	0.517	0.724	0.930	1.551	3.101	5.168	7.236	9.303
16390	0.004	0.010	0.021	0.052	0.155	0.207	0.258	0.517	0.723	0.930	1.550	3.099	5.165	7.232	9.298
16400	0.004	0.010	0.021	0.052	0.155	0.206	0.258	0.516	0.723	0.929	1.549	3.097	5.162	7.227	9.292

16410	0.004	0.010	0.021	0.052	0.155	0.206	0.258	0.516	0.722	0.929	1.548	3.096	5.159	7.223	9.287
16420	0.004	0.010	0.021	0.052	0.155	0.206	0.258	0.516	0.722	0.928	1.547	3.094	5.156	7.219	9.281
16430	0.004	0.010	0.021	0.052	0.155	0.206	0.258	0.515	0.721	0.928	1.546	3.092	5.153	7.215	9.276
16440	0.004	0.010	0.021	0.052	0.155	0.206	0.258	0.515	0.721	0.927	1.545	3.090	5.150	7.210	9.270
16450	0.004	0.010	0.021	0.051	0.154	0.206	0.257	0.515	0.721	0.926	1.544	3.088	5.147	7.206	9.265
16460	0.004	0.010	0.021	0.051	0.154	0.206	0.257	0.514	0.720	0.926	1.543	3.086	5.144	7.202	9.259
16470	0.004	0.010	0.021	0.051	0.154	0.206	0.257	0.514	0.720	0.925	1.542	3.085	5.141	7.198	9.254
16480	0.004	0.010	0.021	0.051	0.154	0.206	0.257	0.514	0.719	0.925	1.541	3.083	5.138	7.193	9.249
16490	0.004	0.010	0.021	0.051	0.154	0.205	0.257	0.514	0.719	0.924	1.541	3.081	5.135	7.189	9.243
16500	0.004	0.010	0.021	0.051	0.154	0.205	0.257	0.513	0.718	0.924	1.540	3.079	5.132	7.185	9.238
16510	0.004	0.010	0.021	0.051	0.154	0.205	0.256	0.513	0.718	0.923	1.539	3.077	5.129	7.181	9.232
16520	0.004	0.010	0.021	0.051	0.154	0.205	0.256	0.513	0.718	0.923	1.538	3.076	5.126	7.176	9.227
16530	0.004	0.010	0.020	0.051	0.154	0.205	0.256	0.512	0.717	0.922	1.537	3.074	5.123	7.172	9.221
16540	0.004	0.010	0.020	0.051	0.154	0.205	0.256	0.512	0.717	0.922	1.536	3.072	5.120	7.168	9.216
16550	0.004	0.010	0.020	0.051	0.154	0.205	0.256	0.512	0.716	0.921	1.535	3.070	5.117	7.164	9.211
16560	0.004	0.010	0.020	0.051	0.153	0.205	0.256	0.511	0.716	0.921	1.534	3.068	5.114	7.160	9.205
16570	0.004	0.010	0.020	0.051	0.153	0.204	0.256	0.511	0.716	0.920	1.533	3.067	5.111	7.155	9.200
16580	0.004	0.010	0.020	0.051	0.153	0.204	0.255	0.511	0.715	0.919	1.532	3.065	5.108	7.151	9.194
16590	0.004	0.010	0.020	0.051	0.153	0.204	0.255	0.510	0.715	0.919	1.531	3.063	5.105	7.147	9.189
16600	0.004	0.010	0.020	0.051	0.153	0.204	0.255	0.510	0.714	0.918	1.531	3.061	5.102	7.143	9.183
16610	0.004	0.010	0.020	0.051	0.153	0.204	0.255	0.510	0.714	0.918	1.530	3.059	5.099	7.138	9.178
16620	0.004	0.010	0.020	0.051	0.153	0.204	0.255	0.510	0.713	0.917	1.529	3.058	5.096	7.134	9.173
16630	0.004	0.010	0.020	0.051	0.153	0.204	0.255	0.509	0.713	0.917	1.528	3.056	5.093	7.130	9.167
16640	0.004	0.010	0.020	0.051	0.153	0.204	0.254	0.509	0.713	0.916	1.527	3.054	5.090	7.126	9.162
16650	0.004	0.010	0.020	0.051	0.153	0.203	0.254	0.509	0.712	0.916	1.526	3.052	5.087	7.122	9.157
16660	0.004	0.010	0.020	0.051	0.153	0.203	0.254	0.508	0.712	0.915	1.525	3.050	5.084	7.118	9.151
16670	0.004	0.010	0.020	0.051	0.152	0.203	0.254	0.508	0.711	0.915	1.524	3.049	5.081	7.113	9.146
16680	0.004	0.010	0.020	0.051	0.152	0.203	0.254	0.508	0.711	0.914	1.523	3.047	5.078	7.109	9.140
16690	0.004	0.010	0.020	0.051	0.152	0.203	0.254	0.508	0.711	0.914	1.523	3.045	5.075	7.105	9.135
16700	0.004	0.010	0.020	0.051	0.152	0.203	0.254	0.507	0.710	0.913	1.522	3.043	5.072	7.101	9.130

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16710	0.004	0.010	0.020	0.051	0.152	0.203	0.253	0.507	0.710	0.912	1.521	3.041	5.069	7.097	9.124
16720	0.004	0.010	0.020	0.051	0.152	0.203	0.253	0.507	0.709	0.912	1.520	3.040	5.066	7.093	9.119
16730	0.004	0.010	0.020	0.051	0.152	0.203	0.253	0.506	0.709	0.911	1.519	3.038	5.063	7.088	9.114
16740	0.004	0.010	0.020	0.051	0.152	0.202	0.253	0.506	0.708	0.911	1.518	3.036	5.060	7.084	9.108
16750	0.004	0.010	0.020	0.051	0.152	0.202	0.253	0.506	0.708	0.910	1.517	3.034	5.057	7.080	9.103
16760	0.004	0.010	0.020	0.051	0.152	0.202	0.253	0.505	0.708	0.910	1.516	3.033	5.054	7.076	9.098
16770	0.004	0.010	0.020	0.051	0.152	0.202	0.253	0.505	0.707	0.909	1.515	3.031	5.051	7.072	9.092
16780	0.004	0.010	0.020	0.050	0.151	0.202	0.252	0.505	0.707	0.909	1.514	3.029	5.048	7.068	9.087
16790	0.004	0.010	0.020	0.050	0.151	0.202	0.252	0.505	0.706	0.908	1.514	3.027	5.045	7.063	9.082
16800	0.004	0.010	0.020	0.050	0.151	0.202	0.252	0.504	0.706	0.908	1.513	3.025	5.042	7.059	9.076
16810	0.004	0.010	0.020	0.050	0.151	0.202	0.252	0.504	0.706	0.907	1.512	3.024	5.039	7.055	9.071
16820	0.004	0.010	0.020	0.050	0.151	0.201	0.252	0.504	0.705	0.907	1.511	3.022	5.036	7.051	9.066
16830	0.004	0.010	0.020	0.050	0.151	0.201	0.252	0.503	0.705	0.906	1.510	3.020	5.033	7.047	9.060
16840	0.004	0.010	0.020	0.050	0.151	0.201	0.252	0.503	0.704	0.905	1.509	3.018	5.031	7.043	9.055
16850	0.004	0.010	0.020	0.050	0.151	0.201	0.251	0.503	0.704	0.905	1.508	3.017	5.028	7.039	9.050
16860	0.004	0.010	0.020	0.050	0.151	0.201	0.251	0.502	0.703	0.904	1.507	3.015	5.025	7.035	9.044
16870	0.004	0.010	0.020	0.050	0.151	0.201	0.251	0.502	0.703	0.904	1.507	3.013	5.022	7.030	9.039
16880	0.004	0.010	0.020	0.050	0.151	0.201	0.251	0.502	0.703	0.903	1.506	3.011	5.019	7.026	9.034
16890	0.004	0.010	0.020	0.050	0.150	0.201	0.251	0.502	0.702	0.903	1.505	3.009	5.016	7.022	9.028
16900	0.004	0.010	0.020	0.050	0.150	0.201	0.251	0.501	0.702	0.902	1.504	3.008	5.013	7.018	9.023
16910	0.004	0.010	0.020	0.050	0.150	0.200	0.250	0.501	0.701	0.902	1.503	3.006	5.010	7.014	9.018
16920	0.004	0.010	0.020	0.050	0.150	0.200	0.250	0.501	0.701	0.901	1.502	3.004	5.007	7.010	9.013
16930	0.004	0.010	0.020	0.050	0.150	0.200	0.250	0.500	0.701	0.901	1.501	3.002	5.004	7.006	9.007
16940	0.004	0.010	0.020	0.050	0.150	0.200	0.250	0.500	0.700	0.900	1.500	3.001	5.001	7.002	9.002
16950	0.004	0.010	0.020	0.050	0.150	0.200	0.250	0.500	0.700	0.900	1.499	2.999	4.998	6.998	8.997
16960	0.004	0.010	0.020	0.050	0.150	0.200	0.250	0.500	0.699	0.899	1.499	2.997	4.995	6.993	8.992
16970	0.004	0.010	0.020	0.050	0.150	0.200	0.250	0.499	0.699	0.899	1.498	2.995	4.992	6.989	8.986
16980	0.004	0.010	0.020	0.050	0.150	0.200	0.249	0.499	0.699	0.898	1.497	2.994	4.989	6.985	8.981
16990	0.004	0.010	0.020	0.050	0.150	0.199	0.249	0.499	0.698	0.898	1.496	2.992	4.987	6.981	8.976
17000	0.004	0.010	0.020	0.050	0.150	0.199	0.249	0.498	0.698	0.897	1.495	2.990	4.984	6.977	8.970

17010	0.004	0.010	0.020	0.050	0.149	0.199	0.249	0.498	0.697	0.897	1.494	2.988	4.981	6.973	8.965
17020	0.004	0.010	0.020	0.050	0.149	0.199	0.249	0.498	0.697	0.896	1.493	2.987	4.978	6.969	8.960
17030	0.004	0.010	0.020	0.050	0.149	0.199	0.249	0.497	0.696	0.895	1.492	2.985	4.975	6.965	8.955
17040	0.004	0.010	0.020	0.050	0.149	0.199	0.249	0.497	0.696	0.895	1.492	2.983	4.972	6.961	8.950
17050	0.004	0.010	0.020	0.050	0.149	0.199	0.248	0.497	0.696	0.894	1.491	2.981	4.969	6.957	8.944
17060	0.004	0.010	0.020	0.050	0.149	0.199	0.248	0.497	0.695	0.894	1.490	2.980	4.966	6.953	8.939
17070	0.004	0.010	0.020	0.050	0.149	0.199	0.248	0.496	0.695	0.893	1.489	2.978	4.963	6.949	8.934
17080	0.004	0.010	0.020	0.050	0.149	0.198	0.248	0.496	0.694	0.893	1.488	2.976	4.960	6.944	8.929
17090	0.004	0.010	0.020	0.050	0.149	0.198	0.248	0.496	0.694	0.892	1.487	2.974	4.957	6.940	8.923
17100	0.004	0.010	0.020	0.050	0.149	0.198	0.248	0.495	0.694	0.892	1.486	2.973	4.955	6.936	8.918
17110	0.004	0.010	0.020	0.050	0.149	0.198	0.248	0.495	0.693	0.891	1.485	2.971	4.952	6.932	8.913
17120	0.004	0.010	0.020	0.049	0.148	0.198	0.247	0.495	0.693	0.891	1.485	2.969	4.949	6.928	8.908
17130	0.004	0.010	0.020	0.049	0.148	0.198	0.247	0.495	0.692	0.890	1.484	2.968	4.946	6.924	8.903
17140	0.004	0.010	0.020	0.049	0.148	0.198	0.247	0.494	0.692	0.890	1.483	2.966	4.943	6.920	8.897
17150	0.004	0.010	0.020	0.049	0.148	0.198	0.247	0.494	0.692	0.889	1.482	2.964	4.940	6.916	8.892
17160	0.004	0.010	0.020	0.049	0.148	0.197	0.247	0.494	0.691	0.889	1.481	2.962	4.937	6.912	8.887
17170	0.004	0.010	0.020	0.049	0.148	0.197	0.247	0.493	0.691	0.888	1.480	2.961	4.934	6.908	8.882
17180	0.004	0.010	0.020	0.049	0.148	0.197	0.247	0.493	0.690	0.888	1.479	2.959	4.931	6.904	8.877
17190	0.004	0.010	0.020	0.049	0.148	0.197	0.246	0.493	0.690	0.887	1.479	2.957	4.929	6.900	8.871
17200	0.004	0.010	0.020	0.049	0.148	0.197	0.246	0.493	0.690	0.887	1.478	2.955	4.926	6.896	8.866
17210	0.004	0.010	0.020	0.049	0.148	0.197	0.246	0.492	0.689	0.886	1.477	2.954	4.923	6.892	8.861
17220	0.004	0.010	0.020	0.049	0.148	0.197	0.246	0.492	0.689	0.886	1.476	2.952	4.920	6.888	8.856
17230	0.004	0.010	0.020	0.049	0.148	0.197	0.246	0.492	0.688	0.885	1.475	2.950	4.917	6.884	8.851
17240	0.004	0.010	0.020	0.049	0.147	0.197	0.246	0.491	0.688	0.885	1.474	2.949	4.914	6.880	8.846
17250	0.004	0.010	0.020	0.049	0.147	0.196	0.246	0.491	0.688	0.884	1.473	2.947	4.911	6.876	8.840
17260	0.004	0.010	0.020	0.049	0.147	0.196	0.245	0.491	0.687	0.884	1.473	2.945	4.908	6.872	8.835
17270	0.004	0.010	0.020	0.049	0.147	0.196	0.245	0.491	0.687	0.883	1.472	2.943	4.906	6.868	8.830
17280	0.004	0.010	0.020	0.049	0.147	0.196	0.245	0.490	0.686	0.882	1.471	2.942	4.903	6.864	8.825
17290	0.004	0.010	0.020	0.049	0.147	0.196	0.245	0.490	0.686	0.882	1.470	2.940	4.900	6.860	8.820
17300	0.004	0.010	0.020	0.049	0.147	0.196	0.245	0.490	0.686	0.881	1.469	2.938	4.897	6.856	8.815

17310	0.004	0.010	0.020	0.049	0.147	0.196	0.245	0.489	0.685	0.881	1.468	2.936	4.894	6.852	8.809
17320	0.004	0.010	0.020	0.049	0.147	0.196	0.245	0.489	0.685	0.880	1.467	2.935	4.891	6.848	8.804
17330	0.004	0.010	0.020	0.049	0.147	0.196	0.244	0.489	0.684	0.880	1.467	2.933	4.888	6.844	8.799
17340	0.004	0.010	0.020	0.049	0.147	0.195	0.244	0.489	0.684	0.879	1.466	2.931	4.886	6.840	8.794
17350	0.004	0.010	0.020	0.049	0.146	0.195	0.244	0.488	0.684	0.879	1.465	2.930	4.883	6.836	8.789
17360	0.004	0.010	0.020	0.049	0.146	0.195	0.244	0.488	0.683	0.878	1.464	2.928	4.880	6.832	8.784
17370	0.004	0.010	0.020	0.049	0.146	0.195	0.244	0.488	0.683	0.878	1.463	2.926	4.877	6.828	8.779
17380	0.004	0.010	0.019	0.049	0.146	0.195	0.244	0.487	0.682	0.877	1.462	2.925	4.874	6.824	8.774
17390	0.004	0.010	0.019	0.049	0.146	0.195	0.244	0.487	0.682	0.877	1.461	2.923	4.871	6.820	8.768
17400	0.004	0.010	0.019	0.049	0.146	0.195	0.243	0.487	0.682	0.876	1.461	2.921	4.869	6.816	8.763
17410	0.004	0.010	0.019	0.049	0.146	0.195	0.243	0.487	0.681	0.876	1.460	2.919	4.866	6.812	8.758
17420	0.004	0.010	0.019	0.049	0.146	0.195	0.243	0.486	0.681	0.875	1.459	2.918	4.863	6.808	8.753
17430	0.004	0.010	0.019	0.049	0.146	0.194	0.243	0.486	0.680	0.875	1.458	2.916	4.860	6.804	8.748
17440	0.004	0.010	0.019	0.049	0.146	0.194	0.243	0.486	0.680	0.874	1.457	2.914	4.857	6.800	8.743
17450	0.004	0.010	0.019	0.049	0.146	0.194	0.243	0.485	0.680	0.874	1.456	2.913	4.854	6.796	8.738
17460	0.004	0.010	0.019	0.049	0.146	0.194	0.243	0.485	0.679	0.873	1.455	2.911	4.852	6.792	8.733
17470	0.004	0.010	0.019	0.048	0.145	0.194	0.242	0.485	0.679	0.873	1.455	2.909	4.849	6.788	8.728
17480	0.004	0.010	0.019	0.048	0.145	0.194	0.242	0.485	0.678	0.872	1.454	2.908	4.846	6.784	8.723
17490	0.004	0.010	0.019	0.048	0.145	0.194	0.242	0.484	0.678	0.872	1.453	2.906	4.843	6.780	8.718
17500	0.004	0.010	0.019	0.048	0.145	0.194	0.242	0.484	0.678	0.871	1.452	2.904	4.840	6.776	8.712
17510	0.004	0.010	0.019	0.048	0.145	0.193	0.242	0.484	0.677	0.871	1.451	2.902	4.837	6.772	8.707
17520	0.004	0.010	0.019	0.048	0.145	0.193	0.242	0.483	0.677	0.870	1.450	2.901	4.835	6.768	8.702
17530	0.004	0.010	0.019	0.048	0.145	0.193	0.242	0.483	0.676	0.870	1.450	2.899	4.832	6.765	8.697
17540	0.004	0.010	0.019	0.048	0.145	0.193	0.241	0.483	0.676	0.869	1.449	2.897	4.829	6.761	8.692
17550	0.004	0.010	0.019	0.048	0.145	0.193	0.241	0.483	0.676	0.869	1.448	2.896	4.826	6.757	8.687
17560	0.004	0.010	0.019	0.048	0.145	0.193	0.241	0.482	0.675	0.868	1.447	2.894	4.823	6.753	8.682
17570	0.004	0.010	0.019	0.048	0.145	0.193	0.241	0.482	0.675	0.868	1.446	2.892	4.821	6.749	8.677
17580	0.004	0.010	0.019	0.048	0.145	0.193	0.241	0.482	0.674	0.867	1.445	2.891	4.818	6.745	8.672
17590	0.004	0.010	0.019	0.048	0.144	0.193	0.241	0.481	0.674	0.867	1.444	2.889	4.815	6.741	8.667
17600	0.004	0.010	0.019	0.048	0.144	0.192	0.241	0.481	0.674	0.866	1.444	2.887	4.812	6.737	8.662

17610	0.004	0.010	0.019	0.048	0.144	0.192	0.240	0.481	0.673	0.866	1.443	2.886	4.809	6.733	8.657
17620	0.004	0.010	0.019	0.048	0.144	0.192	0.240	0.481	0.673	0.865	1.442	2.884	4.807	6.729	8.652
17630	0.004	0.010	0.019	0.048	0.144	0.192	0.240	0.480	0.673	0.865	1.441	2.882	4.804	6.725	8.647
17640	0.004	0.010	0.019	0.048	0.144	0.192	0.240	0.480	0.672	0.864	1.440	2.881	4.801	6.721	8.642
17650	0.004	0.010	0.019	0.048	0.144	0.192	0.240	0.480	0.672	0.864	1.439	2.879	4.798	6.717	8.637
17660	0.004	0.010	0.019	0.048	0.144	0.192	0.240	0.480	0.671	0.863	1.439	2.877	4.795	6.714	8.632
17670	0.004	0.010	0.019	0.048	0.144	0.192	0.240	0.479	0.671	0.863	1.438	2.876	4.793	6.710	8.627
17680	0.004	0.010	0.019	0.048	0.144	0.192	0.239	0.479	0.671	0.862	1.437	2.874	4.790	6.706	8.622
17690	0.004	0.010	0.019	0.048	0.144	0.191	0.239	0.479	0.670	0.862	1.436	2.872	4.787	6.702	8.617
17700	0.004	0.010	0.019	0.048	0.144	0.191	0.239	0.478	0.670	0.861	1.435	2.871	4.784	6.698	8.612
17710	0.004	0.010	0.019	0.048	0.143	0.191	0.239	0.478	0.669	0.861	1.434	2.869	4.781	6.694	8.607
17720	0.004	0.010	0.019	0.048	0.143	0.191	0.239	0.478	0.669	0.860	1.434	2.867	4.779	6.690	8.602
17730	0.004	0.010	0.019	0.048	0.143	0.191	0.239	0.478	0.669	0.860	1.433	2.866	4.776	6.686	8.597
17740	0.004	0.010	0.019	0.048	0.143	0.191	0.239	0.477	0.668	0.859	1.432	2.864	4.773	6.682	8.592
17750	0.004	0.010	0.019	0.048	0.143	0.191	0.239	0.477	0.668	0.859	1.431	2.862	4.770	6.679	8.587
17760	0.004	0.010	0.019	0.048	0.143	0.191	0.238	0.477	0.667	0.858	1.430	2.861	4.768	6.675	8.582
17770	0.004	0.010	0.019	0.048	0.143	0.191	0.238	0.476	0.667	0.858	1.429	2.859	4.765	6.671	8.577
17780	0.004	0.010	0.019	0.048	0.143	0.190	0.238	0.476	0.667	0.857	1.429	2.857	4.762	6.667	8.572
17790	0.004	0.010	0.019	0.048	0.143	0.190	0.238	0.476	0.666	0.857	1.428	2.856	4.759	6.663	8.567
17800	0.004	0.010	0.019	0.048	0.143	0.190	0.238	0.476	0.666	0.856	1.427	2.854	4.757	6.659	8.562
17810	0.004	0.010	0.019	0.048	0.143	0.190	0.238	0.475	0.666	0.856	1.426	2.852	4.754	6.655	8.557
17820	0.004	0.010	0.019	0.048	0.143	0.190	0.238	0.475	0.665	0.855	1.425	2.851	4.751	6.651	8.552
17830	0.004	0.009	0.019	0.047	0.142	0.190	0.237	0.475	0.665	0.855	1.424	2.849	4.748	6.648	8.547
17840	0.004	0.009	0.019	0.047	0.142	0.190	0.237	0.475	0.664	0.854	1.424	2.847	4.746	6.644	8.542
17850	0.004	0.009	0.019	0.047	0.142	0.190	0.237	0.474	0.664	0.854	1.423	2.846	4.743	6.640	8.537
17860	0.004	0.009	0.019	0.047	0.142	0.190	0.237	0.474	0.664	0.853	1.422	2.844	4.740	6.636	8.532
17870	0.004	0.009	0.019	0.047	0.142	0.189	0.237	0.474	0.663	0.853	1.421	2.842	4.737	6.632	8.527
17880	0.004	0.009	0.019	0.047	0.142	0.189	0.237	0.473	0.663	0.852	1.420	2.841	4.735	6.628	8.522
17890	0.004	0.009	0.019	0.047	0.142	0.189	0.237	0.473	0.662	0.852	1.420	2.839	4.732	6.624	8.517
17900	0.004	0.009	0.019	0.047	0.142	0.189	0.236	0.473	0.662	0.851	1.419	2.837	4.729	6.621	8.512

17910	0.004	0.009	0.019	0.047	0.142	0.189	0.236	0.473	0.662	0.851	1.418	2.836	4.726	6.617	8.507
17920	0.004	0.009	0.019	0.047	0.142	0.189	0.236	0.472	0.661	0.850	1.417	2.834	4.724	6.613	8.502
17930	0.004	0.009	0.019	0.047	0.142	0.189	0.236	0.472	0.661	0.850	1.416	2.832	4.721	6.609	8.497
17940	0.004	0.009	0.019	0.047	0.142	0.189	0.236	0.472	0.661	0.849	1.415	2.831	4.718	6.605	8.493
17950	0.004	0.009	0.019	0.047	0.141	0.189	0.236	0.472	0.660	0.849	1.415	2.829	4.715	6.601	8.488
17960	0.004	0.009	0.019	0.047	0.141	0.189	0.236	0.471	0.660	0.848	1.414	2.828	4.713	6.598	8.483
17970	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.471	0.659	0.848	1.413	2.826	4.710	6.594	8.478
17980	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.471	0.659	0.847	1.412	2.824	4.707	6.590	8.473
17990	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.470	0.659	0.847	1.411	2.823	4.704	6.586	8.468
18000	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.470	0.658	0.846	1.411	2.821	4.702	6.582	8.463
18010	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.470	0.658	0.846	1.410	2.819	4.699	6.579	8.458
18020	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.470	0.657	0.845	1.409	2.818	4.696	6.575	8.453
18030	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.469	0.657	0.845	1.408	2.816	4.694	6.571	8.448
18040	0.004	0.009	0.019	0.047	0.141	0.188	0.235	0.469	0.657	0.844	1.407	2.814	4.691	6.567	8.443
18050	0.004	0.009	0.019	0.047	0.141	0.188	0.234	0.469	0.656	0.844	1.406	2.813	4.688	6.563	8.439
18060	0.004	0.009	0.019	0.047	0.141	0.187	0.234	0.469	0.656	0.843	1.406	2.811	4.685	6.559	8.434
18070	0.004	0.009	0.019	0.047	0.140	0.187	0.234	0.468	0.656	0.843	1.405	2.810	4.683	6.556	8.429
18080	0.004	0.009	0.019	0.047	0.140	0.187	0.234	0.468	0.655	0.842	1.404	2.808	4.680	6.552	8.424
18090	0.004	0.009	0.019	0.047	0.140	0.187	0.234	0.468	0.655	0.842	1.403	2.806	4.677	6.548	8.419
18100	0.004	0.009	0.019	0.047	0.140	0.187	0.234	0.467	0.654	0.841	1.402	2.805	4.675	6.544	8.414
18110	0.004	0.009	0.019	0.047	0.140	0.187	0.234	0.467	0.654	0.841	1.402	2.803	4.672	6.541	8.409
18120	0.004	0.009	0.019	0.047	0.140	0.187	0.233	0.467	0.654	0.840	1.401	2.801	4.669	6.537	8.404
18130	0.004	0.009	0.019	0.047	0.140	0.187	0.233	0.467	0.653	0.840	1.400	2.800	4.666	6.533	8.400
18140	0.004	0.009	0.019	0.047	0.140	0.187	0.233	0.466	0.653	0.839	1.399	2.798	4.664	6.529	8.395
18150	0.004	0.009	0.019	0.047	0.140	0.186	0.233	0.466	0.653	0.839	1.398	2.797	4.661	6.525	8.390
18160	0.004	0.009	0.019	0.047	0.140	0.186	0.233	0.466	0.652	0.838	1.397	2.795	4.658	6.522	8.385
18170	0.004	0.009	0.019	0.047	0.140	0.186	0.233	0.466	0.652	0.838	1.397	2.793	4.656	6.518	8.380
18180	0.004	0.009	0.019	0.047	0.140	0.186	0.233	0.465	0.651	0.838	1.396	2.792	4.653	6.514	8.375
18190	0.004	0.009	0.019	0.047	0.140	0.186	0.233	0.465	0.651	0.837	1.395	2.790	4.650	6.510	8.370
18200	0.004	0.009	0.019	0.046	0.139	0.186	0.232	0.465	0.651	0.837	1.394	2.789	4.648	6.507	8.366

18210	0.004	0.009	0.019	0.046	0.139	0.186	0.232	0.464	0.650	0.836	1.393	2.787	4.645	6.503	8.361
18220	0.004	0.009	0.019	0.046	0.139	0.186	0.232	0.464	0.650	0.836	1.393	2.785	4.642	6.499	8.356
18230	0.004	0.009	0.019	0.046	0.139	0.186	0.232	0.464	0.650	0.835	1.392	2.784	4.639	6.495	8.351
18240	0.004	0.009	0.019	0.046	0.139	0.185	0.232	0.464	0.649	0.835	1.391	2.782	4.637	6.491	8.346
18250	0.004	0.009	0.019	0.046	0.139	0.185	0.232	0.463	0.649	0.834	1.390	2.780	4.634	6.488	8.341
18260	0.004	0.009	0.019	0.046	0.139	0.185	0.232	0.463	0.648	0.834	1.389	2.779	4.631	6.484	8.337
18270	0.004	0.009	0.019	0.046	0.139	0.185	0.231	0.463	0.648	0.833	1.389	2.777	4.629	6.480	8.332
18280	0.004	0.009	0.019	0.046	0.139	0.185	0.231	0.463	0.648	0.833	1.388	2.776	4.626	6.476	8.327
18290	0.004	0.009	0.018	0.046	0.139	0.185	0.231	0.462	0.647	0.832	1.387	2.774	4.623	6.473	8.322
18300	0.004	0.009	0.018	0.046	0.139	0.185	0.231	0.462	0.647	0.832	1.386	2.772	4.621	6.469	8.317
18310	0.004	0.009	0.018	0.046	0.139	0.185	0.231	0.462	0.647	0.831	1.385	2.771	4.618	6.465	8.312
18320	0.004	0.009	0.018	0.046	0.138	0.185	0.231	0.462	0.646	0.831	1.385	2.769	4.615	6.462	8.308
18330	0.004	0.009	0.018	0.046	0.138	0.185	0.231	0.461	0.646	0.830	1.384	2.768	4.613	6.458	8.303
18340	0.004	0.009	0.018	0.046	0.138	0.184	0.231	0.461	0.645	0.830	1.383	2.766	4.610	6.454	8.298
18350	0.004	0.009	0.018	0.046	0.138	0.184	0.230	0.461	0.645	0.829	1.382	2.764	4.607	6.450	8.293
18360	0.004	0.009	0.018	0.046	0.138	0.184	0.230	0.460	0.645	0.829	1.381	2.763	4.605	6.447	8.288
18370	0.004	0.009	0.018	0.046	0.138	0.184	0.230	0.460	0.644	0.828	1.381	2.761	4.602	6.443	8.284
18380	0.004	0.009	0.018	0.046	0.138	0.184	0.230	0.460	0.644	0.828	1.380	2.760	4.599	6.439	8.279
18390	0.004	0.009	0.018	0.046	0.138	0.184	0.230	0.460	0.644	0.827	1.379	2.758	4.597	6.435	8.274
18400	0.004	0.009	0.018	0.046	0.138	0.184	0.230	0.459	0.643	0.827	1.378	2.756	4.594	6.432	8.269
18410	0.004	0.009	0.018	0.046	0.138	0.184	0.230	0.459	0.643	0.826	1.377	2.755	4.591	6.428	8.265
18420	0.004	0.009	0.018	0.046	0.138	0.184	0.229	0.459	0.642	0.826	1.377	2.753	4.589	6.424	8.260
18430	0.004	0.009	0.018	0.046	0.138	0.183	0.229	0.459	0.642	0.826	1.376	2.752	4.586	6.421	8.255
18440	0.004	0.009	0.018	0.046	0.138	0.183	0.229	0.458	0.642	0.825	1.375	2.750	4.583	6.417	8.250
18450	0.004	0.009	0.018	0.046	0.137	0.183	0.229	0.458	0.641	0.825	1.374	2.748	4.581	6.413	8.245
18460	0.004	0.009	0.018	0.046	0.137	0.183	0.229	0.458	0.641	0.824	1.373	2.747	4.578	6.409	8.241
18470	0.004	0.009	0.018	0.046	0.137	0.183	0.229	0.458	0.641	0.824	1.373	2.745	4.576	6.406	8.236
18480	0.004	0.009	0.018	0.046	0.137	0.183	0.229	0.457	0.640	0.823	1.372	2.744	4.573	6.402	8.231
18490	0.004	0.009	0.018	0.046	0.137	0.183	0.229	0.457	0.640	0.823	1.371	2.742	4.570	6.398	8.226
18500	0.004	0.009	0.018	0.046	0.137	0.183	0.228	0.457	0.639	0.822	1.370	2.741	4.568	6.395	8.222

18510	0.004	0.009	0.018	0.046	0.137	0.183	0.228	0.456	0.639	0.822	1.369	2.739	4.565	6.391	8.217
18520	0.004	0.009	0.018	0.046	0.137	0.182	0.228	0.456	0.639	0.821	1.369	2.737	4.562	6.387	8.212
18530	0.004	0.009	0.018	0.046	0.137	0.182	0.228	0.456	0.638	0.821	1.368	2.736	4.560	6.384	8.207
18540	0.004	0.009	0.018	0.046	0.137	0.182	0.228	0.456	0.638	0.820	1.367	2.734	4.557	6.380	8.203
18550	0.004	0.009	0.018	0.046	0.137	0.182	0.228	0.455	0.638	0.820	1.366	2.733	4.554	6.376	8.198
18560	0.004	0.009	0.018	0.046	0.137	0.182	0.228	0.455	0.637	0.819	1.366	2.731	4.552	6.373	8.193
18570	0.004	0.009	0.018	0.045	0.136	0.182	0.227	0.455	0.637	0.819	1.365	2.730	4.549	6.369	8.189
18580	0.004	0.009	0.018	0.045	0.136	0.182	0.227	0.455	0.637	0.818	1.364	2.728	4.547	6.365	8.184
18590	0.004	0.009	0.018	0.045	0.136	0.182	0.227	0.454	0.636	0.818	1.363	2.726	4.544	6.362	8.179
18600	0.004	0.009	0.018	0.045	0.136	0.182	0.227	0.454	0.636	0.817	1.362	2.725	4.541	6.358	8.174
18610	0.004	0.009	0.018	0.045	0.136	0.182	0.227	0.454	0.635	0.817	1.362	2.723	4.539	6.354	8.170
18620	0.004	0.009	0.018	0.045	0.136	0.181	0.227	0.454	0.635	0.816	1.361	2.722	4.536	6.351	8.165
18630	0.004	0.009	0.018	0.045	0.136	0.181	0.227	0.453	0.635	0.816	1.360	2.720	4.533	6.347	8.160
18640	0.004	0.009	0.018	0.045	0.136	0.181	0.227	0.453	0.634	0.816	1.359	2.719	4.531	6.343	8.156
18650	0.004	0.009	0.018	0.045	0.136	0.181	0.226	0.453	0.634	0.815	1.358	2.717	4.528	6.340	8.151
18660	0.004	0.009	0.018	0.045	0.136	0.181	0.226	0.453	0.634	0.815	1.358	2.715	4.526	6.336	8.146
18670	0.004	0.009	0.018	0.045	0.136	0.181	0.226	0.452	0.633	0.814	1.357	2.714	4.523	6.332	8.141
18680	0.004	0.009	0.018	0.045	0.136	0.181	0.226	0.452	0.633	0.814	1.356	2.712	4.520	6.329	8.137
18690	0.004	0.009	0.018	0.045	0.136	0.181	0.226	0.452	0.632	0.813	1.355	2.711	4.518	6.325	8.132
18700	0.004	0.009	0.018	0.045	0.135	0.181	0.226	0.452	0.632	0.813	1.355	2.709	4.515	6.321	8.127
18710	0.004	0.009	0.018	0.045	0.135	0.181	0.226	0.451	0.632	0.812	1.354	2.708	4.513	6.318	8.123
18720	0.004	0.009	0.018	0.045	0.135	0.180	0.226	0.451	0.631	0.812	1.353	2.706	4.510	6.314	8.118
18730	0.004	0.009	0.018	0.045	0.135	0.180	0.225	0.451	0.631	0.811	1.352	2.704	4.507	6.310	8.113
18740	0.004	0.009	0.018	0.045	0.135	0.180	0.225	0.450	0.631	0.811	1.351	2.703	4.505	6.307	8.109
18750	0.004	0.009	0.018	0.045	0.135	0.180	0.225	0.450	0.630	0.810	1.351	2.701	4.502	6.303	8.104
18760	0.004	0.009	0.018	0.045	0.135	0.180	0.225	0.450	0.630	0.810	1.350	2.700	4.500	6.299	8.099
18770	0.004	0.009	0.018	0.045	0.135	0.180	0.225	0.450	0.630	0.809	1.349	2.698	4.497	6.296	8.095
18780	0.004	0.009	0.018	0.045	0.135	0.180	0.225	0.449	0.629	0.809	1.348	2.697	4.494	6.292	8.090
18790	0.004	0.009	0.018	0.045	0.135	0.180	0.225	0.449	0.629	0.809	1.348	2.695	4.492	6.289	8.085
18800	0.004	0.009	0.018	0.045	0.135	0.180	0.224	0.449	0.628	0.808	1.347	2.694	4.489	6.285	8.081

18810	0.004	0.009	0.018	0.045	0.135	0.179	0.224	0.449	0.628	0.808	1.346	2.692	4.487	6.281	8.076
18820	0.004	0.009	0.018	0.045	0.135	0.179	0.224	0.448	0.628	0.807	1.345	2.690	4.484	6.278	8.071
18830	0.004	0.009	0.018	0.045	0.134	0.179	0.224	0.448	0.627	0.807	1.344	2.689	4.482	6.274	8.067
18840	0.004	0.009	0.018	0.045	0.134	0.179	0.224	0.448	0.627	0.806	1.344	2.687	4.479	6.271	8.062
18850	0.004	0.009	0.018	0.045	0.134	0.179	0.224	0.448	0.627	0.806	1.343	2.686	4.476	6.267	8.057
18860	0.004	0.009	0.018	0.045	0.134	0.179	0.224	0.447	0.626	0.805	1.342	2.684	4.474	6.263	8.053
18870	0.004	0.009	0.018	0.045	0.134	0.179	0.224	0.447	0.626	0.805	1.341	2.683	4.471	6.260	8.048
18880	0.004	0.009	0.018	0.045	0.134	0.179	0.223	0.447	0.626	0.804	1.341	2.681	4.469	6.256	8.044
18890	0.004	0.009	0.018	0.045	0.134	0.179	0.223	0.447	0.625	0.804	1.340	2.680	4.466	6.252	8.039
18900	0.004	0.009	0.018	0.045	0.134	0.179	0.223	0.446	0.625	0.803	1.339	2.678	4.463	6.249	8.034
18910	0.004	0.009	0.018	0.045	0.134	0.178	0.223	0.446	0.625	0.803	1.338	2.677	4.461	6.245	8.030
18920	0.004	0.009	0.018	0.045	0.134	0.178	0.223	0.446	0.624	0.803	1.338	2.675	4.458	6.242	8.025
18930	0.004	0.009	0.018	0.045	0.134	0.178	0.223	0.446	0.624	0.802	1.337	2.673	4.456	6.238	8.020
18940	0.004	0.009	0.018	0.045	0.134	0.178	0.223	0.445	0.623	0.802	1.336	2.672	4.453	6.235	8.016
18950	0.004	0.009	0.018	0.045	0.134	0.178	0.223	0.445	0.623	0.801	1.335	2.670	4.451	6.231	8.011
18960	0.004	0.009	0.018	0.044	0.133	0.178	0.222	0.445	0.623	0.801	1.334	2.669	4.448	6.227	8.007
18970	0.004	0.009	0.018	0.044	0.133	0.178	0.222	0.445	0.622	0.800	1.334	2.667	4.446	6.224	8.002
18980	0.004	0.009	0.018	0.044	0.133	0.178	0.222	0.444	0.622	0.800	1.333	2.666	4.443	6.220	7.997
18990	0.004	0.009	0.018	0.044	0.133	0.178	0.222	0.444	0.622	0.799	1.332	2.664	4.440	6.217	7.993
19000	0.004	0.009	0.018	0.044	0.133	0.178	0.222	0.444	0.621	0.799	1.331	2.663	4.438	6.213	7.988
19010	0.004	0.009	0.018	0.044	0.133	0.177	0.222	0.444	0.621	0.798	1.331	2.661	4.435	6.209	7.984
19020	0.004	0.009	0.018	0.044	0.133	0.177	0.222	0.443	0.621	0.798	1.330	2.660	4.433	6.206	7.979
19030	0.004	0.009	0.018	0.044	0.133	0.177	0.222	0.443	0.620	0.797	1.329	2.658	4.430	6.202	7.974
19040	0.004	0.009	0.018	0.044	0.133	0.177	0.221	0.443	0.620	0.797	1.328	2.657	4.428	6.199	7.970
19050	0.004	0.009	0.018	0.044	0.133	0.177	0.221	0.443	0.620	0.797	1.328	2.655	4.425	6.195	7.965
19060	0.004	0.009	0.018	0.044	0.133	0.177	0.221	0.442	0.619	0.796	1.327	2.654	4.423	6.192	7.961
19070	0.004	0.009	0.018	0.044	0.133	0.177	0.221	0.442	0.619	0.796	1.326	2.652	4.420	6.188	7.956
19080	0.004	0.009	0.018	0.044	0.133	0.177	0.221	0.442	0.618	0.795	1.325	2.650	4.417	6.184	7.951
19090	0.004	0.009	0.018	0.044	0.132	0.177	0.221	0.441	0.618	0.795	1.324	2.649	4.415	6.181	7.947
19100	0.004	0.009	0.018	0.044	0.132	0.176	0.221	0.441	0.618	0.794	1.324	2.647	4.412	6.177	7.942

19110	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.441	0.617	0.794	1.323	2.646	4.410	6.174	7.938
19120	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.441	0.617	0.793	1.322	2.644	4.407	6.170	7.933
19130	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.440	0.617	0.793	1.321	2.643	4.405	6.167	7.929
19140	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.440	0.616	0.792	1.321	2.641	4.402	6.163	7.924
19150	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.440	0.616	0.792	1.320	2.640	4.400	6.160	7.920
19160	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.440	0.616	0.791	1.319	2.638	4.397	6.156	7.915
19170	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.439	0.615	0.791	1.318	2.637	4.395	6.153	7.910
19180	0.004	0.009	0.018	0.044	0.132	0.176	0.220	0.439	0.615	0.791	1.318	2.635	4.392	6.149	7.906
19190	0.004	0.009	0.018	0.044	0.132	0.176	0.219	0.439	0.615	0.790	1.317	2.634	4.390	6.146	7.901
19200	0.004	0.009	0.018	0.044	0.132	0.175	0.219	0.439	0.614	0.790	1.316	2.632	4.387	6.142	7.897
19210	0.004	0.009	0.018	0.044	0.132	0.175	0.219	0.438	0.614	0.789	1.315	2.631	4.385	6.138	7.892
19220	0.004	0.009	0.018	0.044	0.131	0.175	0.219	0.438	0.613	0.789	1.315	2.629	4.382	6.135	7.888
19230	0.004	0.009	0.018	0.044	0.131	0.175	0.219	0.438	0.613	0.788	1.314	2.628	4.380	6.131	7.883
19240	0.004	0.009	0.018	0.044	0.131	0.175	0.219	0.438	0.613	0.788	1.313	2.626	4.377	6.128	7.879
19250	0.003	0.009	0.017	0.044	0.131	0.175	0.219	0.437	0.612	0.787	1.312	2.625	4.375	6.124	7.874
19260	0.003	0.009	0.017	0.044	0.131	0.175	0.219	0.437	0.612	0.787	1.312	2.623	4.372	6.121	7.870
19270	0.003	0.009	0.017	0.044	0.131	0.175	0.218	0.437	0.612	0.787	1.311	2.622	4.370	6.117	7.865
19280	0.003	0.009	0.017	0.044	0.131	0.175	0.218	0.437	0.611	0.786	1.310	2.620	4.367	6.114	7.861
19290	0.003	0.009	0.017	0.044	0.131	0.175	0.218	0.436	0.611	0.786	1.309	2.619	4.364	6.110	7.856
19300	0.003	0.009	0.017	0.044	0.131	0.174	0.218	0.436	0.611	0.785	1.309	2.617	4.362	6.107	7.852
19310	0.003	0.009	0.017	0.044	0.131	0.174	0.218	0.436	0.610	0.785	1.308	2.616	4.359	6.103	7.847
19320	0.003	0.009	0.017	0.044	0.131	0.174	0.218	0.436	0.610	0.784	1.307	2.614	4.357	6.100	7.843
19330	0.003	0.009	0.017	0.044	0.131	0.174	0.218	0.435	0.610	0.784	1.306	2.613	4.354	6.096	7.838
19340	0.003	0.009	0.017	0.044	0.131	0.174	0.218	0.435	0.609	0.783	1.306	2.611	4.352	6.093	7.834
19350	0.003	0.009	0.017	0.043	0.130	0.174	0.217	0.435	0.609	0.783	1.305	2.610	4.349	6.089	7.829
19360	0.003	0.009	0.017	0.043	0.130	0.174	0.217	0.435	0.609	0.782	1.304	2.608	4.347	6.086	7.825
19370	0.003	0.009	0.017	0.043	0.130	0.174	0.217	0.434	0.608	0.782	1.303	2.607	4.344	6.082	7.820
19380	0.003	0.009	0.017	0.043	0.130	0.174	0.217	0.434	0.608	0.782	1.303	2.605	4.342	6.079	7.816
19390	0.003	0.009	0.017	0.043	0.130	0.174	0.217	0.434	0.608	0.781	1.302	2.604	4.340	6.075	7.811
19400	0.003	0.009	0.017	0.043	0.130	0.173	0.217	0.434	0.607	0.781	1.301	2.602	4.337	6.072	7.807

19410	0.003	0.009	0.017	0.043	0.130	0.173	0.217	0.433	0.607	0.780	1.300	2.601	4.335	6.068	7.802
19420	0.003	0.009	0.017	0.043	0.130	0.173	0.217	0.433	0.606	0.780	1.300	2.599	4.332	6.065	7.798
19430	0.003	0.009	0.017	0.043	0.130	0.173	0.216	0.433	0.606	0.779	1.299	2.598	4.330	6.061	7.793
19440	0.003	0.009	0.017	0.043	0.130	0.173	0.216	0.433	0.606	0.779	1.298	2.596	4.327	6.058	7.789
19450	0.003	0.009	0.017	0.043	0.130	0.173	0.216	0.432	0.605	0.778	1.297	2.595	4.325	6.054	7.784
19460	0.003	0.009	0.017	0.043	0.130	0.173	0.216	0.432	0.605	0.778	1.297	2.593	4.322	6.051	7.780
19470	0.003	0.009	0.017	0.043	0.130	0.173	0.216	0.432	0.605	0.778	1.296	2.592	4.320	6.047	7.775
19480	0.003	0.009	0.017	0.043	0.130	0.173	0.216	0.432	0.604	0.777	1.295	2.590	4.317	6.044	7.771
19490	0.003	0.009	0.017	0.043	0.129	0.173	0.216	0.431	0.604	0.777	1.294	2.589	4.315	6.041	7.766
19500	0.003	0.009	0.017	0.043	0.129	0.172	0.216	0.431	0.604	0.776	1.294	2.587	4.312	6.037	7.762
19510	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.431	0.603	0.776	1.293	2.586	4.310	6.034	7.758
19520	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.431	0.603	0.775	1.292	2.584	4.307	6.030	7.753
19530	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.430	0.603	0.775	1.291	2.583	4.305	6.027	7.749
19540	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.430	0.602	0.774	1.291	2.581	4.302	6.023	7.744
19550	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.430	0.602	0.774	1.290	2.580	4.300	6.020	7.740
19560	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.430	0.602	0.774	1.289	2.578	4.297	6.016	7.735
19570	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.429	0.601	0.773	1.288	2.577	4.295	6.013	7.731
19580	0.003	0.009	0.017	0.043	0.129	0.172	0.215	0.429	0.601	0.773	1.288	2.575	4.292	6.009	7.726
19590	0.003	0.009	0.017	0.043	0.129	0.172	0.214	0.429	0.601	0.772	1.287	2.574	4.290	6.006	7.722
19600	0.003	0.009	0.017	0.043	0.129	0.172	0.214	0.429	0.600	0.772	1.286	2.573	4.288	6.003	7.718
19610	0.003	0.009	0.017	0.043	0.129	0.171	0.214	0.429	0.600	0.771	1.286	2.571	4.285	5.999	7.713
19620	0.003	0.009	0.017	0.043	0.128	0.171	0.214	0.428	0.600	0.771	1.285	2.570	4.283	5.996	7.709
19630	0.003	0.009	0.017	0.043	0.128	0.171	0.214	0.428	0.599	0.770	1.284	2.568	4.280	5.992	7.704
19640	0.003	0.009	0.017	0.043	0.128	0.171	0.214	0.428	0.599	0.770	1.283	2.567	4.278	5.989	7.700
19650	0.003	0.009	0.017	0.043	0.128	0.171	0.214	0.428	0.599	0.770	1.283	2.565	4.275	5.985	7.695
19660	0.003	0.009	0.017	0.043	0.128	0.171	0.214	0.427	0.598	0.769	1.282	2.564	4.273	5.982	7.691
19670	0.003	0.009	0.017	0.043	0.128	0.171	0.214	0.427	0.598	0.769	1.281	2.562	4.270	5.979	7.687
19680	0.003	0.009	0.017	0.043	0.128	0.171	0.213	0.427	0.598	0.768	1.280	2.561	4.268	5.975	7.682
19690	0.003	0.009	0.017	0.043	0.128	0.171	0.213	0.427	0.597	0.768	1.280	2.559	4.265	5.972	7.678
19700	0.003	0.009	0.017	0.043	0.128	0.171	0.213	0.426	0.597	0.767	1.279	2.558	4.263	5.968	7.673

19710	0.003	0.009	0.017	0.043	0.128	0.170	0.213	0.426	0.596	0.767	1.278	2.556	4.261	5.965	7.669
19720	0.003	0.009	0.017	0.043	0.128	0.170	0.213	0.426	0.596	0.766	1.277	2.555	4.258	5.961	7.665
19730	0.003	0.009	0.017	0.043	0.128	0.170	0.213	0.426	0.596	0.766	1.277	2.553	4.256	5.958	7.660
19740	0.003	0.009	0.017	0.043	0.128	0.170	0.213	0.425	0.595	0.766	1.276	2.552	4.253	5.955	7.656
19750	0.003	0.009	0.017	0.043	0.128	0.170	0.213	0.425	0.595	0.765	1.275	2.551	4.251	5.951	7.652
19760	0.003	0.008	0.017	0.042	0.127	0.170	0.212	0.425	0.595	0.765	1.275	2.549	4.248	5.948	7.647
19770	0.003	0.008	0.017	0.042	0.127	0.170	0.212	0.425	0.594	0.764	1.274	2.548	4.246	5.944	7.643
19780	0.003	0.008	0.017	0.042	0.127	0.170	0.212	0.424	0.594	0.764	1.273	2.546	4.244	5.941	7.638
19790	0.003	0.008	0.017	0.042	0.127	0.170	0.212	0.424	0.594	0.763	1.272	2.545	4.241	5.938	7.634
19800	0.003	0.008	0.017	0.042	0.127	0.170	0.212	0.424	0.593	0.763	1.272	2.543	4.239	5.934	7.630
19810	0.003	0.008	0.017	0.042	0.127	0.169	0.212	0.424	0.593	0.763	1.271	2.542	4.236	5.931	7.625
19820	0.003	0.008	0.017	0.042	0.127	0.169	0.212	0.423	0.593	0.762	1.270	2.540	4.234	5.927	7.621
19830	0.003	0.008	0.017	0.042	0.127	0.169	0.212	0.423	0.592	0.762	1.269	2.539	4.231	5.924	7.617
19840	0.003	0.008	0.017	0.042	0.127	0.169	0.211	0.423	0.592	0.761	1.269	2.537	4.229	5.921	7.612
19850	0.003	0.008	0.017	0.042	0.127	0.169	0.211	0.423	0.592	0.761	1.268	2.536	4.227	5.917	7.608
19860	0.003	0.008	0.017	0.042	0.127	0.169	0.211	0.422	0.591	0.760	1.267	2.534	4.224	5.914	7.603
19870	0.003	0.008	0.017	0.042	0.127	0.169	0.211	0.422	0.591	0.760	1.267	2.533	4.222	5.910	7.599
19880	0.003	0.008	0.017	0.042	0.127	0.169	0.211	0.422	0.591	0.759	1.266	2.532	4.219	5.907	7.595
19890	0.003	0.008	0.017	0.042	0.127	0.169	0.211	0.422	0.590	0.759	1.265	2.530	4.217	5.904	7.590
19900	0.003	0.008	0.017	0.042	0.126	0.169	0.211	0.421	0.590	0.759	1.264	2.529	4.214	5.900	7.586
19910	0.003	0.008	0.017	0.042	0.126	0.168	0.211	0.421	0.590	0.758	1.264	2.527	4.212	5.897	7.582
19920	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.421	0.589	0.758	1.263	2.526	4.210	5.894	7.577
19930	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.421	0.589	0.757	1.262	2.524	4.207	5.890	7.573
19940	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.420	0.589	0.757	1.261	2.523	4.205	5.887	7.569
19950	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.420	0.588	0.756	1.261	2.521	4.202	5.883	7.564
19960	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.420	0.588	0.756	1.260	2.520	4.200	5.880	7.560
19970	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.420	0.588	0.756	1.259	2.519	4.198	5.877	7.556
19980	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.420	0.587	0.755	1.259	2.517	4.195	5.873	7.551
19990	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.419	0.587	0.755	1.258	2.516	4.193	5.870	7.547
20000	0.003	0.008	0.017	0.042	0.126	0.168	0.210	0.419	0.587	0.754	1.257	2.514	4.190	5.867	7.543

20010	0.003	0.008	0.017	0.042	0.126	0.168	0.209	0.419	0.586	0.754	1.256	2.513	4.188	5.863	7.538
20020	0.003	0.008	0.017	0.042	0.126	0.167	0.209	0.419	0.586	0.753	1.256	2.511	4.186	5.860	7.534
20030	0.003	0.008	0.017	0.042	0.125	0.167	0.209	0.418	0.586	0.753	1.255	2.510	4.183	5.857	7.530
20040	0.003	0.008	0.017	0.042	0.125	0.167	0.209	0.418	0.585	0.753	1.254	2.509	4.181	5.853	7.526
20050	0.003	0.008	0.017	0.042	0.125	0.167	0.209	0.418	0.585	0.752	1.254	2.507	4.178	5.850	7.521
20060	0.003	0.008	0.017	0.042	0.125	0.167	0.209	0.418	0.585	0.752	1.253	2.506	4.176	5.846	7.517
20070	0.003	0.008	0.017	0.042	0.125	0.167	0.209	0.417	0.584	0.751	1.252	2.504	4.174	5.843	7.513
20080	0.003	0.008	0.017	0.042	0.125	0.167	0.209	0.417	0.584	0.751	1.251	2.503	4.171	5.840	7.508
20090	0.003	0.008	0.017	0.042	0.125	0.167	0.208	0.417	0.584	0.750	1.251	2.501	4.169	5.836	7.504
20100	0.003	0.008	0.017	0.042	0.125	0.167	0.208	0.417	0.583	0.750	1.250	2.500	4.167	5.833	7.500
20110	0.003	0.008	0.017	0.042	0.125	0.167	0.208	0.416	0.583	0.750	1.249	2.498	4.164	5.830	7.495
20120	0.003	0.008	0.017	0.042	0.125	0.166	0.208	0.416	0.583	0.749	1.249	2.497	4.162	5.826	7.491
20130	0.003	0.008	0.017	0.042	0.125	0.166	0.208	0.416	0.582	0.749	1.248	2.496	4.159	5.823	7.487
20140	0.003	0.008	0.017	0.042	0.125	0.166	0.208	0.416	0.582	0.748	1.247	2.494	4.157	5.820	7.483
20150	0.003	0.008	0.017	0.042	0.125	0.166	0.208	0.415	0.582	0.748	1.246	2.493	4.155	5.816	7.478
20160	0.003	0.008	0.017	0.042	0.125	0.166	0.208	0.415	0.581	0.747	1.246	2.491	4.152	5.813	7.474
20170	0.003	0.008	0.017	0.041	0.124	0.166	0.207	0.415	0.581	0.747	1.245	2.490	4.150	5.810	7.470
20180	0.003	0.008	0.017	0.041	0.124	0.166	0.207	0.415	0.581	0.747	1.244	2.488	4.147	5.806	7.465
20190	0.003	0.008	0.017	0.041	0.124	0.166	0.207	0.415	0.580	0.746	1.244	2.487	4.145	5.803	7.461
20200	0.003	0.008	0.017	0.041	0.124	0.166	0.207	0.414	0.580	0.746	1.243	2.486	4.143	5.800	7.457
20210	0.003	0.008	0.017	0.041	0.124	0.166	0.207	0.414	0.580	0.745	1.242	2.484	4.140	5.797	7.453
20220	0.003	0.008	0.017	0.041	0.124	0.166	0.207	0.414	0.579	0.745	1.241	2.483	4.138	5.793	7.448
20230	0.003	0.008	0.017	0.041	0.124	0.165	0.207	0.414	0.579	0.744	1.241	2.481	4.136	5.790	7.444
20240	0.003	0.008	0.017	0.041	0.124	0.165	0.207	0.413	0.579	0.744	1.240	2.480	4.133	5.787	7.440
20250	0.003	0.008	0.017	0.041	0.124	0.165	0.207	0.413	0.578	0.744	1.239	2.479	4.131	5.783	7.436
20260	0.003	0.008	0.017	0.041	0.124	0.165	0.206	0.413	0.578	0.743	1.239	2.477	4.129	5.780	7.431
20270	0.003	0.008	0.017	0.041	0.124	0.165	0.206	0.413	0.578	0.743	1.238	2.476	4.126	5.777	7.427
20280	0.003	0.008	0.016	0.041	0.124	0.165	0.206	0.412	0.577	0.742	1.237	2.474	4.124	5.773	7.423
20290	0.003	0.008	0.016	0.041	0.124	0.165	0.206	0.412	0.577	0.742	1.236	2.473	4.121	5.770	7.419
20300	0.003	0.008	0.016	0.041	0.124	0.165	0.206	0.412	0.577	0.741	1.236	2.471	4.119	5.767	7.414

20310	0.003	0.008	0.016	0.041	0.124	0.165	0.206	0.412	0.576	0.741	1.235	2.470	4.117	5.763	7.410
20320	0.003	0.008	0.016	0.041	0.123	0.165	0.206	0.411	0.576	0.741	1.234	2.469	4.114	5.760	7.406
20330	0.003	0.008	0.016	0.041	0.123	0.164	0.206	0.411	0.576	0.740	1.234	2.467	4.112	5.757	7.402
20340	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.411	0.575	0.740	1.233	2.466	4.110	5.754	7.398
20350	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.411	0.575	0.739	1.232	2.464	4.107	5.750	7.393
20360	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.411	0.575	0.739	1.232	2.463	4.105	5.747	7.389
20370	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.410	0.574	0.738	1.231	2.462	4.103	5.744	7.385
20380	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.410	0.574	0.738	1.230	2.460	4.100	5.740	7.381
20390	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.410	0.574	0.738	1.229	2.459	4.098	5.737	7.376
20400	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.410	0.573	0.737	1.229	2.457	4.096	5.734	7.372
20410	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.409	0.573	0.737	1.228	2.456	4.093	5.731	7.368
20420	0.003	0.008	0.016	0.041	0.123	0.164	0.205	0.409	0.573	0.736	1.227	2.455	4.091	5.727	7.364
20430	0.003	0.008	0.016	0.041	0.123	0.164	0.204	0.409	0.572	0.736	1.227	2.453	4.089	5.724	7.360
20440	0.003	0.008	0.016	0.041	0.123	0.163	0.204	0.409	0.572	0.736	1.226	2.452	4.086	5.721	7.355
20450	0.003	0.008	0.016	0.041	0.123	0.163	0.204	0.408	0.572	0.735	1.225	2.450	4.084	5.718	7.351
20460	0.003	0.008	0.016	0.041	0.122	0.163	0.204	0.408	0.571	0.735	1.224	2.449	4.082	5.714	7.347
20470	0.003	0.008	0.016	0.041	0.122	0.163	0.204	0.408	0.571	0.734	1.224	2.448	4.079	5.711	7.343
20480	0.003	0.008	0.016	0.041	0.122	0.163	0.204	0.408	0.571	0.734	1.223	2.446	4.077	5.708	7.339
20490	0.003	0.008	0.016	0.041	0.122	0.163	0.204	0.407	0.570	0.733	1.222	2.445	4.075	5.705	7.334
20500	0.003	0.008	0.016	0.041	0.122	0.163	0.204	0.407	0.570	0.733	1.222	2.443	4.072	5.701	7.330
20510	0.003	0.008	0.016	0.041	0.122	0.163	0.204	0.407	0.570	0.733	1.221	2.442	4.070	5.698	7.326
20520	0.003	0.008	0.016	0.041	0.122	0.163	0.203	0.407	0.569	0.732	1.220	2.441	4.068	5.695	7.322
20530	0.003	0.008	0.016	0.041	0.122	0.163	0.203	0.407	0.569	0.732	1.220	2.439	4.065	5.692	7.318
20540	0.003	0.008	0.016	0.041	0.122	0.163	0.203	0.406	0.569	0.731	1.219	2.438	4.063	5.688	7.313
20550	0.003	0.008	0.016	0.041	0.122	0.162	0.203	0.406	0.569	0.731	1.218	2.436	4.061	5.685	7.309
20560	0.003	0.008	0.016	0.041	0.122	0.162	0.203	0.406	0.568	0.731	1.218	2.435	4.058	5.682	7.305
20570	0.003	0.008	0.016	0.041	0.122	0.162	0.203	0.406	0.568	0.730	1.217	2.434	4.056	5.679	7.301
20580	0.003	0.008	0.016	0.041	0.122	0.162	0.203	0.405	0.568	0.730	1.216	2.432	4.054	5.675	7.297
20590	0.003	0.008	0.016	0.041	0.122	0.162	0.203	0.405	0.567	0.729	1.215	2.431	4.051	5.672	7.293
20600	0.003	0.008	0.016	0.040	0.121	0.162	0.202	0.405	0.567	0.729	1.215	2.429	4.049	5.669	7.288

20610	0.003	0.008	0.016	0.040	0.121	0.162	0.202	0.405	0.567	0.728	1.214	2.428	4.047	5.666	7.284
20620	0.003	0.008	0.016	0.040	0.121	0.162	0.202	0.404	0.566	0.728	1.213	2.427	4.045	5.662	7.280
20630	0.003	0.008	0.016	0.040	0.121	0.162	0.202	0.404	0.566	0.728	1.213	2.425	4.042	5.659	7.276
20640	0.003	0.008	0.016	0.040	0.121	0.162	0.202	0.404	0.566	0.727	1.212	2.424	4.040	5.656	7.272
20650	0.003	0.008	0.016	0.040	0.121	0.162	0.202	0.404	0.565	0.727	1.211	2.423	4.038	5.653	7.268
20660	0.003	0.008	0.016	0.040	0.121	0.161	0.202	0.404	0.565	0.726	1.211	2.421	4.035	5.649	7.264
20670	0.003	0.008	0.016	0.040	0.121	0.161	0.202	0.403	0.565	0.726	1.210	2.420	4.033	5.646	7.259
20680	0.003	0.008	0.016	0.040	0.121	0.161	0.202	0.403	0.564	0.726	1.209	2.418	4.031	5.643	7.255
20690	0.003	0.008	0.016	0.040	0.121	0.161	0.201	0.403	0.564	0.725	1.209	2.417	4.028	5.640	7.251
20700	0.003	0.008	0.016	0.040	0.121	0.161	0.201	0.403	0.564	0.725	1.208	2.416	4.026	5.637	7.247
20710	0.003	0.008	0.016	0.040	0.121	0.161	0.201	0.402	0.563	0.724	1.207	2.414	4.024	5.633	7.243
20720	0.003	0.008	0.016	0.040	0.121	0.161	0.201	0.402	0.563	0.724	1.206	2.413	4.022	5.630	7.239
20730	0.003	0.008	0.016	0.040	0.121	0.161	0.201	0.402	0.563	0.723	1.206	2.412	4.019	5.627	7.235
20740	0.003	0.008	0.016	0.040	0.121	0.161	0.201	0.402	0.562	0.723	1.205	2.410	4.017	5.624	7.230
20750	0.003	0.008	0.016	0.040	0.120	0.161	0.201	0.401	0.562	0.723	1.204	2.409	4.015	5.620	7.226
20760	0.003	0.008	0.016	0.040	0.120	0.160	0.201	0.401	0.562	0.722	1.204	2.407	4.012	5.617	7.222
20770	0.003	0.008	0.016	0.040	0.120	0.160	0.201	0.401	0.561	0.722	1.203	2.406	4.010	5.614	7.218
20780	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.401	0.561	0.721	1.202	2.405	4.008	5.611	7.214
20790	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.401	0.561	0.721	1.202	2.403	4.005	5.608	7.210
20800	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.400	0.560	0.721	1.201	2.402	4.003	5.604	7.206
20810	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.400	0.560	0.720	1.200	2.401	4.001	5.601	7.202
20820	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.400	0.560	0.720	1.200	2.399	3.999	5.598	7.198
20830	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.400	0.559	0.719	1.199	2.398	3.996	5.595	7.193
20840	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.399	0.559	0.719	1.198	2.396	3.994	5.592	7.189
20850	0.003	0.008	0.016	0.040	0.120	0.160	0.200	0.399	0.559	0.719	1.198	2.395	3.992	5.588	7.185
20860	0.003	0.008	0.016	0.040	0.120	0.160	0.199	0.399	0.559	0.718	1.197	2.394	3.990	5.585	7.181
20870	0.003	0.008	0.016	0.040	0.120	0.159	0.199	0.399	0.558	0.718	1.196	2.392	3.987	5.582	7.177
20880	0.003	0.008	0.016	0.040	0.120	0.159	0.199	0.398	0.558	0.717	1.195	2.391	3.985	5.579	7.173
20890	0.003	0.008	0.016	0.040	0.119	0.159	0.199	0.398	0.558	0.717	1.195	2.390	3.983	5.576	7.169
20900	0.003	0.008	0.016	0.040	0.119	0.159	0.199	0.398	0.557	0.716	1.194	2.388	3.980	5.573	7.165

20910	0.003	0.008	0.016	0.040	0.119	0.159	0.199	0.398	0.557	0.716	1.193	2.387	3.978	5.569	7.161
20920	0.003	0.008	0.016	0.040	0.119	0.159	0.199	0.398	0.557	0.716	1.193	2.386	3.976	5.566	7.157
20930	0.003	0.008	0.016	0.040	0.119	0.159	0.199	0.397	0.556	0.715	1.192	2.384	3.974	5.563	7.152
20940	0.003	0.008	0.016	0.040	0.119	0.159	0.199	0.397	0.556	0.715	1.191	2.383	3.971	5.560	7.148
20950	0.003	0.008	0.016	0.040	0.119	0.159	0.198	0.397	0.556	0.714	1.191	2.381	3.969	5.557	7.144
20960	0.003	0.008	0.016	0.040	0.119	0.159	0.198	0.397	0.555	0.714	1.190	2.380	3.967	5.554	7.140
20970	0.003	0.008	0.016	0.040	0.119	0.159	0.198	0.396	0.555	0.714	1.189	2.379	3.965	5.550	7.136
20980	0.003	0.008	0.016	0.040	0.119	0.158	0.198	0.396	0.555	0.713	1.189	2.377	3.962	5.547	7.132
20990	0.003	0.008	0.016	0.040	0.119	0.158	0.198	0.396	0.554	0.713	1.188	2.376	3.960	5.544	7.128
21000	0.003	0.008	0.016	0.040	0.119	0.158	0.198	0.396	0.554	0.712	1.187	2.375	3.958	5.541	7.124
21010	0.003	0.008	0.016	0.040	0.119	0.158	0.198	0.396	0.554	0.712	1.187	2.373	3.956	5.538	7.120
21020	0.003	0.008	0.016	0.040	0.119	0.158	0.198	0.395	0.553	0.712	1.186	2.372	3.953	5.535	7.116
21030	0.003	0.008	0.016	0.040	0.119	0.158	0.198	0.395	0.553	0.711	1.185	2.371	3.951	5.531	7.112
21040	0.003	0.008	0.016	0.039	0.118	0.158	0.197	0.395	0.553	0.711	1.185	2.369	3.949	5.528	7.108
21050	0.003	0.008	0.016	0.039	0.118	0.158	0.197	0.395	0.553	0.710	1.184	2.368	3.947	5.525	7.104
21060	0.003	0.008	0.016	0.039	0.118	0.158	0.197	0.394	0.552	0.710	1.183	2.367	3.944	5.522	7.100
21070	0.003	0.008	0.016	0.039	0.118	0.158	0.197	0.394	0.552	0.710	1.183	2.365	3.942	5.519	7.096
21080	0.003	0.008	0.016	0.039	0.118	0.158	0.197	0.394	0.552	0.709	1.182	2.364	3.940	5.516	7.092
21090	0.003	0.008	0.016	0.039	0.118	0.158	0.197	0.394	0.551	0.709	1.181	2.363	3.938	5.513	7.088
21100	0.003	0.008	0.016	0.039	0.118	0.157	0.197	0.394	0.551	0.708	1.181	2.361	3.935	5.509	7.083
21110	0.003	0.008	0.016	0.039	0.118	0.157	0.197	0.393	0.551	0.708	1.180	2.360	3.933	5.506	7.079
21120	0.003	0.008	0.016	0.039	0.118	0.157	0.197	0.393	0.550	0.708	1.179	2.358	3.931	5.503	7.075
21130	0.003	0.008	0.016	0.039	0.118	0.157	0.196	0.393	0.550	0.707	1.179	2.357	3.929	5.500	7.071
21140	0.003	0.008	0.016	0.039	0.118	0.157	0.196	0.393	0.550	0.707	1.178	2.356	3.926	5.497	7.067
21150	0.003	0.008	0.016	0.039	0.118	0.157	0.196	0.392	0.549	0.706	1.177	2.354	3.924	5.494	7.063
21160	0.003	0.008	0.016	0.039	0.118	0.157	0.196	0.392	0.549	0.706	1.177	2.353	3.922	5.491	7.059
21170	0.003	0.008	0.016	0.039	0.118	0.157	0.196	0.392	0.549	0.706	1.176	2.352	3.920	5.487	7.055
21180	0.003	0.008	0.016	0.039	0.118	0.157	0.196	0.392	0.548	0.705	1.175	2.350	3.917	5.484	7.051
21190	0.003	0.008	0.016	0.039	0.117	0.157	0.196	0.392	0.548	0.705	1.175	2.349	3.915	5.481	7.047
21200	0.003	0.008	0.016	0.039	0.117	0.157	0.196	0.391	0.548	0.704	1.174	2.348	3.913	5.478	7.043

21210	0.003	0.008	0.016	0.039	0.117	0.156	0.196	0.391	0.547	0.704	1.173	2.346	3.911	5.475	7.039
21220	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.391	0.547	0.704	1.173	2.345	3.908	5.472	7.035
21230	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.391	0.547	0.703	1.172	2.344	3.906	5.469	7.031
21240	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.390	0.547	0.703	1.171	2.342	3.904	5.466	7.027
21250	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.390	0.546	0.702	1.171	2.341	3.902	5.462	7.023
21260	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.390	0.546	0.702	1.170	2.340	3.900	5.459	7.019
21270	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.390	0.546	0.702	1.169	2.338	3.897	5.456	7.015
21280	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.390	0.545	0.701	1.169	2.337	3.895	5.453	7.011
21290	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.389	0.545	0.701	1.168	2.336	3.893	5.450	7.007
21300	0.003	0.008	0.016	0.039	0.117	0.156	0.195	0.389	0.545	0.700	1.167	2.334	3.891	5.447	7.003
21310	0.003	0.008	0.016	0.039	0.117	0.156	0.194	0.389	0.544	0.700	1.167	2.333	3.888	5.444	6.999
21320	0.003	0.008	0.016	0.039	0.117	0.155	0.194	0.389	0.544	0.700	1.166	2.332	3.886	5.441	6.995
21330	0.003	0.008	0.016	0.039	0.117	0.155	0.194	0.388	0.544	0.699	1.165	2.330	3.884	5.438	6.991
21340	0.003	0.008	0.016	0.039	0.116	0.155	0.194	0.388	0.543	0.699	1.165	2.329	3.882	5.435	6.987
21350	0.003	0.008	0.016	0.039	0.116	0.155	0.194	0.388	0.543	0.698	1.164	2.328	3.880	5.431	6.983
21360	0.003	0.008	0.016	0.039	0.116	0.155	0.194	0.388	0.543	0.698	1.163	2.326	3.877	5.428	6.979
21370	0.003	0.008	0.016	0.039	0.116	0.155	0.194	0.388	0.543	0.698	1.163	2.325	3.875	5.425	6.975
21380	0.003	0.008	0.015	0.039	0.116	0.155	0.194	0.387	0.542	0.697	1.162	2.324	3.873	5.422	6.971
21390	0.003	0.008	0.015	0.039	0.116	0.155	0.194	0.387	0.542	0.697	1.161	2.322	3.871	5.419	6.967
21400	0.003	0.008	0.015	0.039	0.116	0.155	0.193	0.387	0.542	0.696	1.161	2.321	3.869	5.416	6.963
21410	0.003	0.008	0.015	0.039	0.116	0.155	0.193	0.387	0.541	0.696	1.160	2.320	3.866	5.413	6.959
21420	0.003	0.008	0.015	0.039	0.116	0.155	0.193	0.386	0.541	0.696	1.159	2.318	3.864	5.410	6.955
21430	0.003	0.008	0.015	0.039	0.116	0.154	0.193	0.386	0.541	0.695	1.159	2.317	3.862	5.407	6.952
21440	0.003	0.008	0.015	0.039	0.116	0.154	0.193	0.386	0.540	0.695	1.158	2.316	3.860	5.404	6.948
21450	0.003	0.008	0.015	0.039	0.116	0.154	0.193	0.386	0.540	0.694	1.157	2.315	3.858	5.401	6.944
21460	0.003	0.008	0.015	0.039	0.116	0.154	0.193	0.386	0.540	0.694	1.157	2.313	3.855	5.398	6.940
21470	0.003	0.008	0.015	0.039	0.116	0.154	0.193	0.385	0.539	0.694	1.156	2.312	3.853	5.394	6.936
21480	0.003	0.008	0.015	0.039	0.116	0.154	0.193	0.385	0.539	0.693	1.155	2.311	3.851	5.391	6.932
21490	0.003	0.008	0.015	0.038	0.115	0.154	0.192	0.385	0.539	0.693	1.155	2.309	3.849	5.388	6.928
21500	0.003	0.008	0.015	0.038	0.115	0.154	0.192	0.385	0.539	0.692	1.154	2.308	3.847	5.385	6.924

21510	0.003	0.008	0.015	0.038	0.115	0.154	0.192	0.384	0.538	0.692	1.153	2.307	3.844	5.382	6.920
21520	0.003	0.008	0.015	0.038	0.115	0.154	0.192	0.384	0.538	0.692	1.153	2.305	3.842	5.379	6.916
21530	0.003	0.008	0.015	0.038	0.115	0.154	0.192	0.384	0.538	0.691	1.152	2.304	3.840	5.376	6.912
21540	0.003	0.008	0.015	0.038	0.115	0.154	0.192	0.384	0.537	0.691	1.151	2.303	3.838	5.373	6.908
21550	0.003	0.008	0.015	0.038	0.115	0.153	0.192	0.384	0.537	0.690	1.151	2.301	3.836	5.370	6.904
21560	0.003	0.008	0.015	0.038	0.115	0.153	0.192	0.383	0.537	0.690	1.150	2.300	3.833	5.367	6.900
21570	0.003	0.008	0.015	0.038	0.115	0.153	0.192	0.383	0.536	0.690	1.149	2.299	3.831	5.364	6.896
21580	0.003	0.008	0.015	0.038	0.115	0.153	0.191	0.383	0.536	0.689	1.149	2.297	3.829	5.361	6.892
21590	0.003	0.008	0.015	0.038	0.115	0.153	0.191	0.383	0.536	0.689	1.148	2.296	3.827	5.358	6.888
21600	0.003	0.008	0.015	0.038	0.115	0.153	0.191	0.382	0.535	0.688	1.147	2.295	3.825	5.355	6.885
21610	0.003	0.008	0.015	0.038	0.115	0.153	0.191	0.382	0.535	0.688	1.147	2.294	3.823	5.352	6.881
21620	0.003	0.008	0.015	0.038	0.115	0.153	0.191	0.382	0.535	0.688	1.146	2.292	3.820	5.349	6.877
21630	0.003	0.008	0.015	0.038	0.115	0.153	0.191	0.382	0.535	0.687	1.145	2.291	3.818	5.345	6.873
21640	0.003	0.008	0.015	0.038	0.114	0.153	0.191	0.382	0.534	0.687	1.145	2.290	3.816	5.342	6.869
21650	0.003	0.008	0.015	0.038	0.114	0.153	0.191	0.381	0.534	0.686	1.144	2.288	3.814	5.339	6.865
21660	0.003	0.008	0.015	0.038	0.114	0.152	0.191	0.381	0.534	0.686	1.144	2.287	3.812	5.336	6.861
21670	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.381	0.533	0.686	1.143	2.286	3.810	5.333	6.857
21680	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.381	0.533	0.685	1.142	2.284	3.807	5.330	6.853
21690	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.381	0.533	0.685	1.142	2.283	3.805	5.327	6.849
21700	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.380	0.532	0.685	1.141	2.282	3.803	5.324	6.845
21710	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.380	0.532	0.684	1.140	2.281	3.801	5.321	6.842
21720	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.380	0.532	0.684	1.140	2.279	3.799	5.318	6.838
21730	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.380	0.532	0.683	1.139	2.278	3.797	5.315	6.834
21740	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.379	0.531	0.683	1.138	2.277	3.794	5.312	6.830
21750	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.379	0.531	0.683	1.138	2.275	3.792	5.309	6.826
21760	0.003	0.008	0.015	0.038	0.114	0.152	0.190	0.379	0.531	0.682	1.137	2.274	3.790	5.306	6.822
21770	0.003	0.008	0.015	0.038	0.114	0.152	0.189	0.379	0.530	0.682	1.136	2.273	3.788	5.303	6.818
21780	0.003	0.008	0.015	0.038	0.114	0.151	0.189	0.379	0.530	0.681	1.136	2.271	3.786	5.300	6.814
21790	0.003	0.008	0.015	0.038	0.114	0.151	0.189	0.378	0.530	0.681	1.135	2.270	3.784	5.297	6.810
21800	0.003	0.008	0.015	0.038	0.113	0.151	0.189	0.378	0.529	0.681	1.134	2.269	3.781	5.294	6.807

21810	0.003	0.008	0.015	0.038	0.113	0.151	0.189	0.378	0.529	0.680	1.134	2.268	3.779	5.291	6.803
21820	0.003	0.008	0.015	0.038	0.113	0.151	0.189	0.378	0.529	0.680	1.133	2.266	3.777	5.288	6.799
21830	0.003	0.008	0.015	0.038	0.113	0.151	0.189	0.377	0.528	0.679	1.132	2.265	3.775	5.285	6.795
21840	0.003	0.008	0.015	0.038	0.113	0.151	0.189	0.377	0.528	0.679	1.132	2.264	3.773	5.282	6.791
21850	0.003	0.008	0.015	0.038	0.113	0.151	0.189	0.377	0.528	0.679	1.131	2.262	3.771	5.279	6.787
21860	0.003	0.008	0.015	0.038	0.113	0.151	0.188	0.377	0.528	0.678	1.131	2.261	3.769	5.276	6.783
21870	0.003	0.008	0.015	0.038	0.113	0.151	0.188	0.377	0.527	0.678	1.130	2.260	3.766	5.273	6.780
21880	0.003	0.008	0.015	0.038	0.113	0.151	0.188	0.376	0.527	0.678	1.129	2.259	3.764	5.270	6.776
21890	0.003	0.008	0.015	0.038	0.113	0.150	0.188	0.376	0.527	0.677	1.129	2.257	3.762	5.267	6.772
21900	0.003	0.008	0.015	0.038	0.113	0.150	0.188	0.376	0.526	0.677	1.128	2.256	3.760	5.264	6.768
21910	0.003	0.008	0.015	0.038	0.113	0.150	0.188	0.376	0.526	0.676	1.127	2.255	3.758	5.261	6.764
21920	0.003	0.008	0.015	0.038	0.113	0.150	0.188	0.376	0.526	0.676	1.127	2.253	3.756	5.258	6.760
21930	0.003	0.008	0.015	0.038	0.113	0.150	0.188	0.375	0.525	0.676	1.126	2.252	3.754	5.255	6.756
21940	0.003	0.008	0.015	0.038	0.113	0.150	0.188	0.375	0.525	0.675	1.125	2.251	3.751	5.252	6.753
21950	0.003	0.007	0.015	0.037	0.112	0.150	0.187	0.375	0.525	0.675	1.125	2.250	3.749	5.249	6.749
21960	0.003	0.007	0.015	0.037	0.112	0.150	0.187	0.375	0.525	0.674	1.124	2.248	3.747	5.246	6.745
21970	0.003	0.007	0.015	0.037	0.112	0.150	0.187	0.375	0.524	0.674	1.124	2.247	3.745	5.243	6.741
21980	0.003	0.007	0.015	0.037	0.112	0.150	0.187	0.374	0.524	0.674	1.123	2.246	3.743	5.240	6.737
21990	0.003	0.007	0.015	0.037	0.112	0.150	0.187	0.374	0.524	0.673	1.122	2.244	3.741	5.237	6.733
22000	0.003	0.007	0.015	0.037	0.112	0.150	0.187	0.374	0.523	0.673	1.122	2.243	3.739	5.234	6.730
22010	0.003	0.007	0.015	0.037	0.112	0.149	0.187	0.374	0.523	0.673	1.121	2.242	3.736	5.231	6.726
22020	0.003	0.007	0.015	0.037	0.112	0.149	0.187	0.373	0.523	0.672	1.120	2.241	3.734	5.228	6.722
22030	0.003	0.007	0.015	0.037	0.112	0.149	0.187	0.373	0.523	0.672	1.120	2.239	3.732	5.225	6.718
22040	0.003	0.007	0.015	0.037	0.112	0.149	0.187	0.373	0.522	0.671	1.119	2.238	3.730	5.222	6.714
22050	0.003	0.007	0.015	0.037	0.112	0.149	0.186	0.373	0.522	0.671	1.118	2.237	3.728	5.219	6.710
22060	0.003	0.007	0.015	0.037	0.112	0.149	0.186	0.373	0.522	0.671	1.118	2.236	3.726	5.216	6.707
22070	0.003	0.007	0.015	0.037	0.112	0.149	0.186	0.372	0.521	0.670	1.117	2.234	3.724	5.213	6.703
22080	0.003	0.007	0.015	0.037	0.112	0.149	0.186	0.372	0.521	0.670	1.116	2.233	3.722	5.210	6.699
22090	0.003	0.007	0.015	0.037	0.112	0.149	0.186	0.372	0.521	0.670	1.116	2.232	3.720	5.207	6.695
22100	0.003	0.007	0.015	0.037	0.112	0.149	0.186	0.372	0.520	0.669	1.115	2.230	3.717	5.204	6.691

22110	0.003	0.007	0.015	0.037	0.111	0.149	0.186	0.372	0.520	0.669	1.115	2.229	3.715	5.201	6.688
22120	0.003	0.007	0.015	0.037	0.111	0.149	0.186	0.371	0.520	0.668	1.114	2.228	3.713	5.198	6.684
22130	0.003	0.007	0.015	0.037	0.111	0.148	0.186	0.371	0.520	0.668	1.113	2.227	3.711	5.195	6.680
22140	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.371	0.519	0.668	1.113	2.225	3.709	5.193	6.676
22150	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.371	0.519	0.667	1.112	2.224	3.707	5.190	6.672
22160	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.370	0.519	0.667	1.111	2.223	3.705	5.187	6.669
22170	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.370	0.518	0.666	1.111	2.222	3.703	5.184	6.665
22180	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.370	0.518	0.666	1.110	2.220	3.701	5.181	6.661
22190	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.370	0.518	0.666	1.110	2.219	3.698	5.178	6.657
22200	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.370	0.517	0.665	1.109	2.218	3.696	5.175	6.653
22210	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.369	0.517	0.665	1.108	2.217	3.694	5.172	6.650
22220	0.003	0.007	0.015	0.037	0.111	0.148	0.185	0.369	0.517	0.665	1.108	2.215	3.692	5.169	6.646
22230	0.003	0.007	0.015	0.037	0.111	0.148	0.184	0.369	0.517	0.664	1.107	2.214	3.690	5.166	6.642
22240	0.003	0.007	0.015	0.037	0.111	0.148	0.184	0.369	0.516	0.664	1.106	2.213	3.688	5.163	6.638
22250	0.003	0.007	0.015	0.037	0.111	0.147	0.184	0.369	0.516	0.663	1.106	2.211	3.686	5.160	6.634
22260	0.003	0.007	0.015	0.037	0.111	0.147	0.184	0.368	0.516	0.663	1.105	2.210	3.684	5.157	6.631
22270	0.003	0.007	0.015	0.037	0.110	0.147	0.184	0.368	0.515	0.663	1.104	2.209	3.682	5.154	6.627
22280	0.003	0.007	0.015	0.037	0.110	0.147	0.184	0.368	0.515	0.662	1.104	2.208	3.680	5.151	6.623
22290	0.003	0.007	0.015	0.037	0.110	0.147	0.184	0.368	0.515	0.662	1.103	2.206	3.677	5.148	6.619
22300	0.003	0.007	0.015	0.037	0.110	0.147	0.184	0.368	0.515	0.662	1.103	2.205	3.675	5.145	6.616
22310	0.003	0.007	0.015	0.037	0.110	0.147	0.184	0.367	0.514	0.661	1.102	2.204	3.673	5.143	6.612
22320	0.003	0.007	0.015	0.037	0.110	0.147	0.184	0.367	0.514	0.661	1.101	2.203	3.671	5.140	6.608
22330	0.003	0.007	0.015	0.037	0.110	0.147	0.183	0.367	0.514	0.660	1.101	2.201	3.669	5.137	6.604
22340	0.003	0.007	0.015	0.037	0.110	0.147	0.183	0.367	0.513	0.660	1.100	2.200	3.667	5.134	6.601
22350	0.003	0.007	0.015	0.037	0.110	0.147	0.183	0.366	0.513	0.660	1.099	2.199	3.665	5.131	6.597
22360	0.003	0.007	0.015	0.037	0.110	0.147	0.183	0.366	0.513	0.659	1.099	2.198	3.663	5.128	6.593
22370	0.003	0.007	0.015	0.037	0.110	0.146	0.183	0.366	0.512	0.659	1.098	2.196	3.661	5.125	6.589
22380	0.003	0.007	0.015	0.037	0.110	0.146	0.183	0.366	0.512	0.659	1.098	2.195	3.659	5.122	6.586
22390	0.003	0.007	0.015	0.037	0.110	0.146	0.183	0.366	0.512	0.658	1.097	2.194	3.657	5.119	6.582
22400	0.003	0.007	0.015	0.037	0.110	0.146	0.183	0.365	0.512	0.658	1.096	2.193	3.654	5.116	6.578

22410	0.003	0.007	0.015	0.037	0.110	0.146	0.183	0.365	0.511	0.657	1.096	2.191	3.652	5.113	6.574
22420	0.003	0.007	0.015	0.037	0.110	0.146	0.183	0.365	0.511	0.657	1.095	2.190	3.650	5.110	6.571
22430	0.003	0.007	0.015	0.036	0.109	0.146	0.182	0.365	0.511	0.657	1.094	2.189	3.648	5.108	6.567
22440	0.003	0.007	0.015	0.036	0.109	0.146	0.182	0.365	0.510	0.656	1.094	2.188	3.646	5.105	6.563
22450	0.003	0.007	0.015	0.036	0.109	0.146	0.182	0.364	0.510	0.656	1.093	2.186	3.644	5.102	6.559
22460	0.003	0.007	0.015	0.036	0.109	0.146	0.182	0.364	0.510	0.656	1.093	2.185	3.642	5.099	6.556
22470	0.003	0.007	0.015	0.036	0.109	0.146	0.182	0.364	0.510	0.655	1.092	2.184	3.640	5.096	6.552
22480	0.003	0.007	0.015	0.036	0.109	0.146	0.182	0.364	0.509	0.655	1.091	2.183	3.638	5.093	6.548
22490	0.003	0.007	0.015	0.036	0.109	0.145	0.182	0.364	0.509	0.654	1.091	2.181	3.636	5.090	6.544
22500	0.003	0.007	0.015	0.036	0.109	0.145	0.182	0.363	0.509	0.654	1.090	2.180	3.634	5.087	6.541
22510	0.003	0.007	0.015	0.036	0.109	0.145	0.182	0.363	0.508	0.654	1.089	2.179	3.632	5.084	6.537
22520	0.003	0.007	0.015	0.036	0.109	0.145	0.181	0.363	0.508	0.653	1.089	2.178	3.630	5.081	6.533
22530	0.003	0.007	0.015	0.036	0.109	0.145	0.181	0.363	0.508	0.653	1.088	2.177	3.628	5.079	6.530
22540	0.003	0.007	0.015	0.036	0.109	0.145	0.181	0.363	0.508	0.653	1.088	2.175	3.625	5.076	6.526
22550	0.003	0.007	0.014	0.036	0.109	0.145	0.181	0.362	0.507	0.652	1.087	2.174	3.623	5.073	6.522
22560	0.003	0.007	0.014	0.036	0.109	0.145	0.181	0.362	0.507	0.652	1.086	2.173	3.621	5.070	6.518
22570	0.003	0.007	0.014	0.036	0.109	0.145	0.181	0.362	0.507	0.651	1.086	2.172	3.619	5.067	6.515
22580	0.003	0.007	0.014	0.036	0.109	0.145	0.181	0.362	0.506	0.651	1.085	2.170	3.617	5.064	6.511
22590	0.003	0.007	0.014	0.036	0.108	0.145	0.181	0.362	0.506	0.651	1.085	2.169	3.615	5.061	6.507
22600	0.003	0.007	0.014	0.036	0.108	0.145	0.181	0.361	0.506	0.650	1.084	2.168	3.613	5.058	6.504
22610	0.003	0.007	0.014	0.036	0.108	0.144	0.181	0.361	0.506	0.650	1.083	2.167	3.611	5.055	6.500
22620	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.361	0.505	0.650	1.083	2.165	3.609	5.053	6.496
22630	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.361	0.505	0.649	1.082	2.164	3.607	5.050	6.493
22640	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.360	0.505	0.649	1.081	2.163	3.605	5.047	6.489
22650	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.360	0.504	0.649	1.081	2.162	3.603	5.044	6.485
22660	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.360	0.504	0.648	1.080	2.160	3.601	5.041	6.481
22670	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.360	0.504	0.648	1.080	2.159	3.599	5.038	6.478
22680	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.360	0.504	0.647	1.079	2.158	3.597	5.035	6.474
22690	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.359	0.503	0.647	1.078	2.157	3.595	5.033	6.470
22700	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.359	0.503	0.647	1.078	2.156	3.593	5.030	6.467

22710	0.003	0.007	0.014	0.036	0.108	0.144	0.180	0.359	0.503	0.646	1.077	2.154	3.591	5.027	6.463
22720	0.003	0.007	0.014	0.036	0.108	0.144	0.179	0.359	0.502	0.646	1.077	2.153	3.589	5.024	6.459
22730	0.003	0.007	0.014	0.036	0.108	0.143	0.179	0.359	0.502	0.646	1.076	2.152	3.586	5.021	6.456
22740	0.003	0.007	0.014	0.036	0.108	0.143	0.179	0.358	0.502	0.645	1.075	2.151	3.584	5.018	6.452
22750	0.003	0.007	0.014	0.036	0.107	0.143	0.179	0.358	0.502	0.645	1.075	2.149	3.582	5.015	6.448
22760	0.003	0.007	0.014	0.036	0.107	0.143	0.179	0.358	0.501	0.644	1.074	2.148	3.580	5.013	6.445
22770	0.003	0.007	0.014	0.036	0.107	0.143	0.179	0.358	0.501	0.644	1.073	2.147	3.578	5.010	6.441
22780	0.003	0.007	0.014	0.036	0.107	0.143	0.179	0.358	0.501	0.644	1.073	2.146	3.576	5.007	6.437
22790	0.003	0.007	0.014	0.036	0.107	0.143	0.179	0.357	0.500	0.643	1.072	2.145	3.574	5.004	6.434
22800	0.003	0.007	0.014	0.036	0.107	0.143	0.179	0.357	0.500	0.643	1.072	2.143	3.572	5.001	6.430
22810	0.003	0.007	0.014	0.036	0.107	0.143	0.179	0.357	0.500	0.643	1.071	2.142	3.570	4.998	6.426
22820	0.003	0.007	0.014	0.036	0.107	0.143	0.178	0.357	0.500	0.642	1.070	2.141	3.568	4.995	6.423
22830	0.003	0.007	0.014	0.036	0.107	0.143	0.178	0.357	0.499	0.642	1.070	2.140	3.566	4.993	6.419
22840	0.003	0.007	0.014	0.036	0.107	0.143	0.178	0.356	0.499	0.642	1.069	2.138	3.564	4.990	6.415
22850	0.003	0.007	0.014	0.036	0.107	0.142	0.178	0.356	0.499	0.641	1.069	2.137	3.562	4.987	6.412
22860	0.003	0.007	0.014	0.036	0.107	0.142	0.178	0.356	0.498	0.641	1.068	2.136	3.560	4.984	6.408
22870	0.003	0.007	0.014	0.036	0.107	0.142	0.178	0.356	0.498	0.640	1.067	2.135	3.558	4.981	6.404
22880	0.003	0.007	0.014	0.036	0.107	0.142	0.178	0.356	0.498	0.640	1.067	2.134	3.556	4.978	6.401
22890	0.003	0.007	0.014	0.036	0.107	0.142	0.178	0.355	0.498	0.640	1.066	2.132	3.554	4.976	6.397
22900	0.003	0.007	0.014	0.036	0.107	0.142	0.178	0.355	0.497	0.639	1.066	2.131	3.552	4.973	6.394
22910	0.003	0.007	0.014	0.035	0.106	0.142	0.177	0.355	0.497	0.639	1.065	2.130	3.550	4.970	6.390
22920	0.003	0.007	0.014	0.035	0.106	0.142	0.177	0.355	0.497	0.639	1.064	2.129	3.548	4.967	6.386
22930	0.003	0.007	0.014	0.035	0.106	0.142	0.177	0.355	0.496	0.638	1.064	2.128	3.546	4.964	6.383
22940	0.003	0.007	0.014	0.035	0.106	0.142	0.177	0.354	0.496	0.638	1.063	2.126	3.544	4.961	6.379
22950	0.003	0.007	0.014	0.035	0.106	0.142	0.177	0.354	0.496	0.638	1.063	2.125	3.542	4.959	6.375
22960	0.003	0.007	0.014	0.035	0.106	0.142	0.177	0.354	0.496	0.637	1.062	2.124	3.540	4.956	6.372
22970	0.003	0.007	0.014	0.035	0.106	0.142	0.177	0.354	0.495	0.637	1.061	2.123	3.538	4.953	6.368
22980	0.003	0.007	0.014	0.035	0.106	0.141	0.177	0.354	0.495	0.636	1.061	2.121	3.536	4.950	6.364
22990	0.003	0.007	0.014	0.035	0.106	0.141	0.177	0.353	0.495	0.636	1.060	2.120	3.534	4.947	6.361
23000	0.003	0.007	0.014	0.035	0.106	0.141	0.177	0.353	0.494	0.636	1.060	2.119	3.532	4.945	6.357

23010	0.003	0.007	0.014	0.035	0.106	0.141	0.176	0.353	0.494	0.635	1.059	2.118	3.530	4.942	6.354
23020	0.003	0.007	0.014	0.035	0.106	0.141	0.176	0.353	0.494	0.635	1.058	2.117	3.528	4.939	6.350
23030	0.003	0.007	0.014	0.035	0.106	0.141	0.176	0.353	0.494	0.635	1.058	2.115	3.526	4.936	6.346
23040	0.003	0.007	0.014	0.035	0.106	0.141	0.176	0.352	0.493	0.634	1.057	2.114	3.524	4.933	6.343
23050	0.003	0.007	0.014	0.035	0.106	0.141	0.176	0.352	0.493	0.634	1.057	2.113	3.522	4.930	6.339
23060	0.003	0.007	0.014	0.035	0.106	0.141	0.176	0.352	0.493	0.634	1.056	2.112	3.520	4.928	6.336
23070	0.003	0.007	0.014	0.035	0.106	0.141	0.176	0.352	0.492	0.633	1.055	2.111	3.518	4.925	6.332
23080	0.003	0.007	0.014	0.035	0.105	0.141	0.176	0.352	0.492	0.633	1.055	2.109	3.516	4.922	6.328
23090	0.003	0.007	0.014	0.035	0.105	0.141	0.176	0.351	0.492	0.632	1.054	2.108	3.514	4.919	6.325
23100	0.003	0.007	0.014	0.035	0.105	0.140	0.176	0.351	0.492	0.632	1.054	2.107	3.512	4.916	6.321
23110	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.351	0.491	0.632	1.053	2.106	3.510	4.914	6.318
23120	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.351	0.491	0.631	1.052	2.105	3.508	4.911	6.314
23130	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.351	0.491	0.631	1.052	2.103	3.506	4.908	6.310
23140	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.350	0.491	0.631	1.051	2.102	3.504	4.905	6.307
23150	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.350	0.490	0.630	1.051	2.101	3.502	4.902	6.303
23160	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.350	0.490	0.630	1.050	2.100	3.500	4.900	6.300
23170	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.350	0.490	0.630	1.049	2.099	3.498	4.897	6.296
23180	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.350	0.489	0.629	1.049	2.097	3.496	4.894	6.292
23190	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.349	0.489	0.629	1.048	2.096	3.494	4.891	6.289
23200	0.003	0.007	0.014	0.035	0.105	0.140	0.175	0.349	0.489	0.629	1.048	2.095	3.492	4.889	6.285
23210	0.003	0.007	0.014	0.035	0.105	0.140	0.174	0.349	0.489	0.628	1.047	2.094	3.490	4.886	6.282
23220	0.003	0.007	0.014	0.035	0.105	0.140	0.174	0.349	0.488	0.628	1.046	2.093	3.488	4.883	6.278
23230	0.003	0.007	0.014	0.035	0.105	0.139	0.174	0.349	0.488	0.627	1.046	2.092	3.486	4.880	6.275
23240	0.003	0.007	0.014	0.035	0.105	0.139	0.174	0.348	0.488	0.627	1.045	2.090	3.484	4.877	6.271
23250	0.003	0.007	0.014	0.035	0.104	0.139	0.174	0.348	0.487	0.627	1.045	2.089	3.482	4.875	6.267
23260	0.003	0.007	0.014	0.035	0.104	0.139	0.174	0.348	0.487	0.626	1.044	2.088	3.480	4.872	6.264
23270	0.003	0.007	0.014	0.035	0.104	0.139	0.174	0.348	0.487	0.626	1.043	2.087	3.478	4.869	6.260
23280	0.003	0.007	0.014	0.035	0.104	0.139	0.174	0.348	0.487	0.626	1.043	2.086	3.476	4.866	6.257
23290	0.003	0.007	0.014	0.035	0.104	0.139	0.174	0.347	0.486	0.625	1.042	2.084	3.474	4.864	6.253
23300	0.003	0.007	0.014	0.035	0.104	0.139	0.174	0.347	0.486	0.625	1.042	2.083	3.472	4.861	6.250

23310	0.003	0.007	0.014	0.035	0.104	0.139	0.174	0.347	0.486	0.625	1.041	2.082	3.470	4.858	6.246
23320	0.003	0.007	0.014	0.035	0.104	0.139	0.173	0.347	0.486	0.624	1.040	2.081	3.468	4.855	6.242
23330	0.003	0.007	0.014	0.035	0.104	0.139	0.173	0.347	0.485	0.624	1.040	2.080	3.466	4.852	6.239
23340	0.003	0.007	0.014	0.035	0.104	0.139	0.173	0.346	0.485	0.624	1.039	2.078	3.464	4.850	6.235
23350	0.003	0.007	0.014	0.035	0.104	0.138	0.173	0.346	0.485	0.623	1.039	2.077	3.462	4.847	6.232
23360	0.003	0.007	0.014	0.035	0.104	0.138	0.173	0.346	0.484	0.623	1.038	2.076	3.460	4.844	6.228
23370	0.003	0.007	0.014	0.035	0.104	0.138	0.173	0.346	0.484	0.622	1.037	2.075	3.458	4.841	6.225
23380	0.003	0.007	0.014	0.035	0.104	0.138	0.173	0.346	0.484	0.622	1.037	2.074	3.456	4.839	6.221
23390	0.003	0.007	0.014	0.035	0.104	0.138	0.173	0.345	0.484	0.622	1.036	2.073	3.454	4.836	6.218
23400	0.003	0.007	0.014	0.035	0.104	0.138	0.173	0.345	0.483	0.621	1.036	2.071	3.452	4.833	6.214
23410	0.003	0.007	0.014	0.035	0.104	0.138	0.173	0.345	0.483	0.621	1.035	2.070	3.450	4.830	6.211
23420	0.003	0.007	0.014	0.034	0.103	0.138	0.172	0.345	0.483	0.621	1.035	2.069	3.448	4.828	6.207
23430	0.003	0.007	0.014	0.034	0.103	0.138	0.172	0.345	0.482	0.620	1.034	2.068	3.446	4.825	6.203
23440	0.003	0.007	0.014	0.034	0.103	0.138	0.172	0.344	0.482	0.620	1.033	2.067	3.444	4.822	6.200
23450	0.003	0.007	0.014	0.034	0.103	0.138	0.172	0.344	0.482	0.620	1.033	2.065	3.442	4.819	6.196
23460	0.003	0.007	0.014	0.034	0.103	0.138	0.172	0.344	0.482	0.619	1.032	2.064	3.440	4.817	6.193
23470	0.003	0.007	0.014	0.034	0.103	0.138	0.172	0.344	0.481	0.619	1.032	2.063	3.439	4.814	6.189
23480	0.003	0.007	0.014	0.034	0.103	0.137	0.172	0.344	0.481	0.619	1.031	2.062	3.437	4.811	6.186
23490	0.003	0.007	0.014	0.034	0.103	0.137	0.172	0.343	0.481	0.618	1.030	2.061	3.435	4.808	6.182
23500	0.003	0.007	0.014	0.034	0.103	0.137	0.172	0.343	0.481	0.618	1.030	2.060	3.433	4.806	6.179
23510	0.003	0.007	0.014	0.034	0.103	0.137	0.172	0.343	0.480	0.618	1.029	2.058	3.431	4.803	6.175
23520	0.003	0.007	0.014	0.034	0.103	0.137	0.171	0.343	0.480	0.617	1.029	2.057	3.429	4.800	6.172
23530	0.003	0.007	0.014	0.034	0.103	0.137	0.171	0.343	0.480	0.617	1.028	2.056	3.427	4.798	6.168
23540	0.003	0.007	0.014	0.034	0.103	0.137	0.171	0.342	0.479	0.616	1.027	2.055	3.425	4.795	6.165
23550	0.003	0.007	0.014	0.034	0.103	0.137	0.171	0.342	0.479	0.616	1.027	2.054	3.423	4.792	6.161
23560	0.003	0.007	0.014	0.034	0.103	0.137	0.171	0.342	0.479	0.616	1.026	2.053	3.421	4.789	6.158
23570	0.003	0.007	0.014	0.034	0.103	0.137	0.171	0.342	0.479	0.615	1.026	2.051	3.419	4.787	6.154
23580	0.003	0.007	0.014	0.034	0.103	0.137	0.171	0.342	0.478	0.615	1.025	2.050	3.417	4.784	6.151
23590	0.003	0.007	0.014	0.034	0.102	0.137	0.171	0.342	0.478	0.615	1.025	2.049	3.415	4.781	6.147
23600	0.003	0.007	0.014	0.034	0.102	0.137	0.171	0.341	0.478	0.614	1.024	2.048	3.413	4.778	6.144

23610	0.003	0.007	0.014	0.034	0.102	0.136	0.171	0.341	0.478	0.614	1.023	2.047	3.411	4.776	6.140
23620	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.341	0.477	0.614	1.023	2.046	3.409	4.773	6.137
23630	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.341	0.477	0.613	1.022	2.044	3.407	4.770	6.133
23640	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.341	0.477	0.613	1.022	2.043	3.405	4.768	6.130
23650	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.340	0.476	0.613	1.021	2.042	3.403	4.765	6.126
23660	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.340	0.476	0.612	1.020	2.041	3.402	4.762	6.123
23670	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.340	0.476	0.612	1.020	2.040	3.400	4.759	6.119
23680	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.340	0.476	0.612	1.019	2.039	3.398	4.757	6.116
23690	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.340	0.475	0.611	1.019	2.037	3.396	4.754	6.112
23700	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.339	0.475	0.611	1.018	2.036	3.394	4.751	6.109
23710	0.003	0.007	0.014	0.034	0.102	0.136	0.170	0.339	0.475	0.611	1.018	2.035	3.392	4.749	6.105
23720	0.003	0.007	0.014	0.034	0.102	0.136	0.169	0.339	0.475	0.610	1.017	2.034	3.390	4.746	6.102
23730	0.003	0.007	0.014	0.034	0.102	0.136	0.169	0.339	0.474	0.610	1.016	2.033	3.388	4.743	6.098
23740	0.003	0.007	0.014	0.034	0.102	0.135	0.169	0.339	0.474	0.609	1.016	2.032	3.386	4.740	6.095
23750	0.003	0.007	0.014	0.034	0.102	0.135	0.169	0.338	0.474	0.609	1.015	2.030	3.384	4.738	6.091
23760	0.003	0.007	0.014	0.034	0.101	0.135	0.169	0.338	0.474	0.609	1.015	2.029	3.382	4.735	6.088
23770	0.003	0.007	0.014	0.034	0.101	0.135	0.169	0.338	0.473	0.608	1.014	2.028	3.380	4.732	6.084
23780	0.003	0.007	0.014	0.034	0.101	0.135	0.169	0.338	0.473	0.608	1.014	2.027	3.378	4.730	6.081
23790	0.003	0.007	0.014	0.034	0.101	0.135	0.169	0.338	0.473	0.608	1.013	2.026	3.376	4.727	6.078
23800	0.003	0.007	0.013	0.034	0.101	0.135	0.169	0.337	0.472	0.607	1.012	2.025	3.374	4.724	6.074
23810	0.003	0.007	0.013	0.034	0.101	0.135	0.169	0.337	0.472	0.607	1.012	2.024	3.373	4.722	6.071
23820	0.003	0.007	0.013	0.034	0.101	0.135	0.169	0.337	0.472	0.607	1.011	2.022	3.371	4.719	6.067
23830	0.003	0.007	0.013	0.034	0.101	0.135	0.168	0.337	0.472	0.606	1.011	2.021	3.369	4.716	6.064
23840	0.003	0.007	0.013	0.034	0.101	0.135	0.168	0.337	0.471	0.606	1.010	2.020	3.367	4.714	6.060
23850	0.003	0.007	0.013	0.034	0.101	0.135	0.168	0.336	0.471	0.606	1.009	2.019	3.365	4.711	6.057
23860	0.003	0.007	0.013	0.034	0.101	0.135	0.168	0.336	0.471	0.605	1.009	2.018	3.363	4.708	6.053
23870	0.003	0.007	0.013	0.034	0.101	0.134	0.168	0.336	0.471	0.605	1.008	2.017	3.361	4.705	6.050
23880	0.003	0.007	0.013	0.034	0.101	0.134	0.168	0.336	0.470	0.605	1.008	2.015	3.359	4.703	6.046
23890	0.003	0.007	0.013	0.034	0.101	0.134	0.168	0.336	0.470	0.604	1.007	2.014	3.357	4.700	6.043
23900	0.003	0.007	0.013	0.034	0.101	0.134	0.168	0.336	0.470	0.604	1.007	2.013	3.355	4.697	6.040

23910	0.003	0.007	0.013	0.034	0.101	0.134	0.168	0.335	0.469	0.604	1.006	2.012	3.353	4.695	6.036
23920	0.003	0.007	0.013	0.034	0.101	0.134	0.168	0.335	0.469	0.603	1.005	2.011	3.352	4.692	6.033
23930	0.003	0.007	0.013	0.033	0.100	0.134	0.167	0.335	0.469	0.603	1.005	2.010	3.350	4.689	6.029
23940	0.003	0.007	0.013	0.033	0.100	0.134	0.167	0.335	0.469	0.603	1.004	2.009	3.348	4.687	6.026
23950	0.003	0.007	0.013	0.033	0.100	0.134	0.167	0.335	0.468	0.602	1.004	2.007	3.346	4.684	6.022
23960	0.003	0.007	0.013	0.033	0.100	0.134	0.167	0.334	0.468	0.602	1.003	2.006	3.344	4.681	6.019
23970	0.003	0.007	0.013	0.033	0.100	0.134	0.167	0.334	0.468	0.602	1.003	2.005	3.342	4.679	6.016
23980	0.003	0.007	0.013	0.033	0.100	0.134	0.167	0.334	0.468	0.601	1.002	2.004	3.340	4.676	6.012
23990	0.003	0.007	0.013	0.033	0.100	0.134	0.167	0.334	0.467	0.601	1.001	2.003	3.338	4.673	6.009
24000	0.003	0.007	0.013	0.033	0.100	0.133	0.167	0.334	0.467	0.601	1.001	2.002	3.336	4.671	6.005
24010	0.003	0.007	0.013	0.033	0.100	0.133	0.167	0.333	0.467	0.600	1.000	2.001	3.334	4.668	6.002
24020	0.003	0.007	0.013	0.033	0.100	0.133	0.167	0.333	0.467	0.600	1.000	1.999	3.332	4.665	5.998
24030	0.003	0.007	0.013	0.033	0.100	0.133	0.167	0.333	0.466	0.599	0.999	1.998	3.331	4.663	5.995
24040	0.003	0.007	0.013	0.033	0.100	0.133	0.166	0.333	0.466	0.599	0.999	1.997	3.329	4.660	5.992
24050	0.003	0.007	0.013	0.033	0.100	0.133	0.166	0.333	0.466	0.599	0.998	1.996	3.327	4.657	5.988
24060	0.003	0.007	0.013	0.033	0.100	0.133	0.166	0.332	0.465	0.598	0.997	1.995	3.325	4.655	5.985
24070	0.003	0.007	0.013	0.033	0.100	0.133	0.166	0.332	0.465	0.598	0.997	1.994	3.323	4.652	5.981
24080	0.003	0.007	0.013	0.033	0.100	0.133	0.166	0.332	0.465	0.598	0.996	1.993	3.321	4.649	5.978
24090	0.003	0.007	0.013	0.033	0.100	0.133	0.166	0.332	0.465	0.597	0.996	1.992	3.319	4.647	5.975
24100	0.003	0.007	0.013	0.033	0.100	0.133	0.166	0.332	0.464	0.597	0.995	1.990	3.317	4.644	5.971
24110	0.003	0.007	0.013	0.033	0.099	0.133	0.166	0.332	0.464	0.597	0.995	1.989	3.315	4.642	5.968
24120	0.003	0.007	0.013	0.033	0.099	0.133	0.166	0.331	0.464	0.596	0.994	1.988	3.314	4.639	5.964
24130	0.003	0.007	0.013	0.033	0.099	0.132	0.166	0.331	0.464	0.596	0.993	1.987	3.312	4.636	5.961
24140	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.331	0.463	0.596	0.993	1.986	3.310	4.634	5.958
24150	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.331	0.463	0.595	0.992	1.985	3.308	4.631	5.954
24160	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.331	0.463	0.595	0.992	1.984	3.306	4.628	5.951
24170	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.330	0.463	0.595	0.991	1.982	3.304	4.626	5.947
24180	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.330	0.462	0.594	0.991	1.981	3.302	4.623	5.944
24190	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.330	0.462	0.594	0.990	1.980	3.300	4.620	5.941
24200	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.330	0.462	0.594	0.990	1.979	3.298	4.618	5.937

24210	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.330	0.462	0.593	0.989	1.978	3.297	4.615	5.934
24220	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.329	0.461	0.593	0.988	1.977	3.295	4.613	5.930
24230	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.329	0.461	0.593	0.988	1.976	3.293	4.610	5.927
24240	0.003	0.007	0.013	0.033	0.099	0.132	0.165	0.329	0.461	0.592	0.987	1.975	3.291	4.607	5.924
24250	0.003	0.007	0.013	0.033	0.099	0.132	0.164	0.329	0.460	0.592	0.987	1.973	3.289	4.605	5.920
24260	0.003	0.007	0.013	0.033	0.099	0.131	0.164	0.329	0.460	0.592	0.986	1.972	3.287	4.602	5.917
24270	0.003	0.007	0.013	0.033	0.099	0.131	0.164	0.329	0.460	0.591	0.986	1.971	3.285	4.599	5.913
24280	0.003	0.007	0.013	0.033	0.099	0.131	0.164	0.328	0.460	0.591	0.985	1.970	3.283	4.597	5.910
24290	0.003	0.007	0.013	0.033	0.098	0.131	0.164	0.328	0.459	0.591	0.984	1.969	3.282	4.594	5.907
24300	0.003	0.007	0.013	0.033	0.098	0.131	0.164	0.328	0.459	0.590	0.984	1.968	3.280	4.592	5.903
24310	0.003	0.007	0.013	0.033	0.098	0.131	0.164	0.328	0.459	0.590	0.983	1.967	3.278	4.589	5.900
24320	0.003	0.007	0.013	0.033	0.098	0.131	0.164	0.328	0.459	0.590	0.983	1.966	3.276	4.586	5.897
24330	0.003	0.007	0.013	0.033	0.098	0.131	0.164	0.327	0.458	0.589	0.982	1.964	3.274	4.584	5.893
24340	0.003	0.007	0.013	0.033	0.098	0.131	0.164	0.327	0.458	0.589	0.982	1.963	3.272	4.581	5.890
24350	0.003	0.007	0.013	0.033	0.098	0.131	0.164	0.327	0.458	0.589	0.981	1.962	3.270	4.578	5.887
24360	0.003	0.007	0.013	0.033	0.098	0.131	0.163	0.327	0.458	0.588	0.981	1.961	3.268	4.576	5.883
24370	0.003	0.007	0.013	0.033	0.098	0.131	0.163	0.327	0.457	0.588	0.980	1.960	3.267	4.573	5.880
24380	0.003	0.007	0.013	0.033	0.098	0.131	0.163	0.326	0.457	0.588	0.979	1.959	3.265	4.571	5.876
24390	0.003	0.007	0.013	0.033	0.098	0.131	0.163	0.326	0.457	0.587	0.979	1.958	3.263	4.568	5.873
24400	0.003	0.007	0.013	0.033	0.098	0.130	0.163	0.326	0.457	0.587	0.978	1.957	3.261	4.565	5.870
24410	0.003	0.007	0.013	0.033	0.098	0.130	0.163	0.326	0.456	0.587	0.978	1.955	3.259	4.563	5.866
24420	0.003	0.007	0.013	0.033	0.098	0.130	0.163	0.326	0.456	0.586	0.977	1.954	3.257	4.560	5.863
24430	0.003	0.007	0.013	0.033	0.098	0.130	0.163	0.326	0.456	0.586	0.977	1.953	3.255	4.558	5.860
24440	0.003	0.007	0.013	0.033	0.098	0.130	0.163	0.325	0.455	0.586	0.976	1.952	3.254	4.555	5.856
24450	0.003	0.007	0.013	0.033	0.098	0.130	0.163	0.325	0.455	0.585	0.976	1.951	3.252	4.552	5.853
24460	0.003	0.006	0.013	0.032	0.097	0.130	0.162	0.325	0.455	0.585	0.975	1.950	3.250	4.550	5.850
24470	0.003	0.006	0.013	0.032	0.097	0.130	0.162	0.325	0.455	0.585	0.974	1.949	3.248	4.547	5.846
24480	0.003	0.006	0.013	0.032	0.097	0.130	0.162	0.325	0.454	0.584	0.974	1.948	3.246	4.545	5.843
24490	0.003	0.006	0.013	0.032	0.097	0.130	0.162	0.324	0.454	0.584	0.973	1.947	3.244	4.542	5.840
24500	0.003	0.006	0.013	0.032	0.097	0.130	0.162	0.324	0.454	0.584	0.973	1.945	3.242	4.539	5.836

24510	0.003	0.006	0.013	0.032	0.097	0.130	0.162	0.324	0.454	0.583	0.972	1.944	3.241	4.537	5.833
24520	0.003	0.006	0.013	0.032	0.097	0.130	0.162	0.324	0.453	0.583	0.972	1.943	3.239	4.534	5.830
24530	0.003	0.006	0.013	0.032	0.097	0.129	0.162	0.324	0.453	0.583	0.971	1.942	3.237	4.532	5.826
24540	0.003	0.006	0.013	0.032	0.097	0.129	0.162	0.324	0.453	0.582	0.971	1.941	3.235	4.529	5.823
24550	0.003	0.006	0.013	0.032	0.097	0.129	0.162	0.323	0.453	0.582	0.970	1.940	3.233	4.526	5.820
24560	0.003	0.006	0.013	0.032	0.097	0.129	0.162	0.323	0.452	0.582	0.969	1.939	3.231	4.524	5.816
24570	0.003	0.006	0.013	0.032	0.097	0.129	0.161	0.323	0.452	0.581	0.969	1.938	3.229	4.521	5.813
24580	0.003	0.006	0.013	0.032	0.097	0.129	0.161	0.323	0.452	0.581	0.968	1.937	3.228	4.519	5.810
24590	0.003	0.006	0.013	0.032	0.097	0.129	0.161	0.323	0.452	0.581	0.968	1.935	3.226	4.516	5.806
24600	0.003	0.006	0.013	0.032	0.097	0.129	0.161	0.322	0.451	0.580	0.967	1.934	3.224	4.514	5.803
24610	0.003	0.006	0.013	0.032	0.097	0.129	0.161	0.322	0.451	0.580	0.967	1.933	3.222	4.511	5.800
24620	0.003	0.006	0.013	0.032	0.097	0.129	0.161	0.322	0.451	0.580	0.966	1.932	3.220	4.508	5.797
24630	0.003	0.006	0.013	0.032	0.097	0.129	0.161	0.322	0.451	0.579	0.966	1.931	3.218	4.506	5.793
24640	0.003	0.006	0.013	0.032	0.096	0.129	0.161	0.322	0.450	0.579	0.965	1.930	3.217	4.503	5.790
24650	0.003	0.006	0.013	0.032	0.096	0.129	0.161	0.321	0.450	0.579	0.964	1.929	3.215	4.501	5.787
24660	0.003	0.006	0.013	0.032	0.096	0.129	0.161	0.321	0.450	0.578	0.964	1.928	3.213	4.498	5.783
24670	0.003	0.006	0.013	0.032	0.096	0.128	0.161	0.321	0.450	0.578	0.963	1.927	3.211	4.496	5.780
24680	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.321	0.449	0.578	0.963	1.926	3.209	4.493	5.777
24690	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.321	0.449	0.577	0.962	1.924	3.207	4.490	5.773
24700	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.321	0.449	0.577	0.962	1.923	3.206	4.488	5.770
24710	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.320	0.449	0.577	0.961	1.922	3.204	4.485	5.767
24720	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.320	0.448	0.576	0.961	1.921	3.202	4.483	5.764
24730	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.320	0.448	0.576	0.960	1.920	3.200	4.480	5.760
24740	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.320	0.448	0.576	0.959	1.919	3.198	4.478	5.757
24750	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.320	0.448	0.575	0.959	1.918	3.196	4.475	5.754
24760	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.319	0.447	0.575	0.958	1.917	3.195	4.472	5.750
24770	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.319	0.447	0.575	0.958	1.916	3.193	4.470	5.747
24780	0.003	0.006	0.013	0.032	0.096	0.128	0.160	0.319	0.447	0.574	0.957	1.915	3.191	4.467	5.744
24790	0.003	0.006	0.013	0.032	0.096	0.128	0.159	0.319	0.446	0.574	0.957	1.913	3.189	4.465	5.740
24800	0.003	0.006	0.013	0.032	0.096	0.127	0.159	0.319	0.446	0.574	0.956	1.912	3.187	4.462	5.737

24810	0.003	0.006	0.013	0.032	0.096	0.127	0.159	0.319	0.446	0.573	0.956	1.911	3.186	4.460	5.734
24820	0.003	0.006	0.013	0.032	0.096	0.127	0.159	0.318	0.446	0.573	0.955	1.910	3.184	4.457	5.731
24830	0.003	0.006	0.013	0.032	0.095	0.127	0.159	0.318	0.445	0.573	0.955	1.909	3.182	4.455	5.727
24840	0.003	0.006	0.013	0.032	0.095	0.127	0.159	0.318	0.445	0.572	0.954	1.908	3.180	4.452	5.724
24850	0.003	0.006	0.013	0.032	0.095	0.127	0.159	0.318	0.445	0.572	0.953	1.907	3.178	4.450	5.721
24860	0.003	0.006	0.013	0.032	0.095	0.127	0.159	0.318	0.445	0.572	0.953	1.906	3.176	4.447	5.718
24870	0.003	0.006	0.013	0.032	0.095	0.127	0.159	0.317	0.444	0.571	0.952	1.905	3.175	4.444	5.714
24880	0.003	0.006	0.013	0.032	0.095	0.127	0.159	0.317	0.444	0.571	0.952	1.904	3.173	4.442	5.711
24890	0.003	0.006	0.013	0.032	0.095	0.127	0.159	0.317	0.444	0.571	0.951	1.903	3.171	4.439	5.708
24900	0.003	0.006	0.013	0.032	0.095	0.127	0.158	0.317	0.444	0.570	0.951	1.902	3.169	4.437	5.705
24910	0.003	0.006	0.013	0.032	0.095	0.127	0.158	0.317	0.443	0.570	0.950	1.900	3.167	4.434	5.701
24920	0.003	0.006	0.013	0.032	0.095	0.127	0.158	0.317	0.443	0.570	0.950	1.899	3.166	4.432	5.698
24930	0.003	0.006	0.013	0.032	0.095	0.127	0.158	0.316	0.443	0.569	0.949	1.898	3.164	4.429	5.695
24940	0.003	0.006	0.013	0.032	0.095	0.126	0.158	0.316	0.443	0.569	0.949	1.897	3.162	4.427	5.691
24950	0.003	0.006	0.013	0.032	0.095	0.126	0.158	0.316	0.442	0.569	0.948	1.896	3.160	4.424	5.688
24960	0.003	0.006	0.013	0.032	0.095	0.126	0.158	0.316	0.442	0.568	0.947	1.895	3.158	4.422	5.685
24970	0.003	0.006	0.013	0.032	0.095	0.126	0.158	0.316	0.442	0.568	0.947	1.894	3.157	4.419	5.682
24980	0.003	0.006	0.013	0.032	0.095	0.126	0.158	0.315	0.442	0.568	0.946	1.893	3.155	4.417	5.678
24990	0.003	0.006	0.013	0.032	0.095	0.126	0.158	0.315	0.441	0.568	0.946	1.892	3.153	4.414	5.675
25000	0.003	0.006	0.013	0.032	0.095	0.126	0.158	0.315	0.441	0.567	0.945	1.891	3.151	4.412	5.672
25010	0.003	0.006	0.013	0.031	0.094	0.126	0.157	0.315	0.441	0.567	0.945	1.890	3.149	4.409	5.669
25020	0.003	0.006	0.013	0.031	0.094	0.126	0.157	0.315	0.441	0.567	0.944	1.889	3.148	4.407	5.666
25030	0.003	0.006	0.013	0.031	0.094	0.126	0.157	0.315	0.440	0.566	0.944	1.887	3.146	4.404	5.662
25040	0.003	0.006	0.013	0.031	0.094	0.126	0.157	0.314	0.440	0.566	0.943	1.886	3.144	4.401	5.659
25050	0.003	0.006	0.013	0.031	0.094	0.126	0.157	0.314	0.440	0.566	0.943	1.885	3.142	4.399	5.656
25060	0.003	0.006	0.013	0.031	0.094	0.126	0.157	0.314	0.440	0.565	0.942	1.884	3.140	4.396	5.653
25070	0.003	0.006	0.013	0.031	0.094	0.126	0.157	0.314	0.439	0.565	0.942	1.883	3.139	4.394	5.649
25080	0.003	0.006	0.013	0.031	0.094	0.125	0.157	0.314	0.439	0.565	0.941	1.882	3.137	4.391	5.646
25090	0.003	0.006	0.013	0.031	0.094	0.125	0.157	0.313	0.439	0.564	0.940	1.881	3.135	4.389	5.643
25100	0.003	0.006	0.013	0.031	0.094	0.125	0.157	0.313	0.439	0.564	0.940	1.880	3.133	4.386	5.640

25110	0.003	0.006	0.013	0.031	0.094	0.125	0.157	0.313	0.438	0.564	0.939	1.879	3.131	4.384	5.636
25120	0.003	0.006	0.013	0.031	0.094	0.125	0.156	0.313	0.438	0.563	0.939	1.878	3.130	4.381	5.633
25130	0.003	0.006	0.013	0.031	0.094	0.125	0.156	0.313	0.438	0.563	0.938	1.877	3.128	4.379	5.630
25140	0.003	0.006	0.013	0.031	0.094	0.125	0.156	0.313	0.438	0.563	0.938	1.876	3.126	4.376	5.627
25150	0.002	0.006	0.012	0.031	0.094	0.125	0.156	0.312	0.437	0.562	0.937	1.875	3.124	4.374	5.624
25160	0.002	0.006	0.012	0.031	0.094	0.125	0.156	0.312	0.437	0.562	0.937	1.873	3.122	4.371	5.620
25170	0.002	0.006	0.012	0.031	0.094	0.125	0.156	0.312	0.437	0.562	0.936	1.872	3.121	4.369	5.617
25180	0.002	0.006	0.012	0.031	0.094	0.125	0.156	0.312	0.437	0.561	0.936	1.871	3.119	4.366	5.614
25190	0.002	0.006	0.012	0.031	0.094	0.125	0.156	0.312	0.436	0.561	0.935	1.870	3.117	4.364	5.611
25200	0.002	0.006	0.012	0.031	0.093	0.125	0.156	0.312	0.436	0.561	0.935	1.869	3.115	4.361	5.607
25210	0.002	0.006	0.012	0.031	0.093	0.125	0.156	0.311	0.436	0.560	0.934	1.868	3.113	4.359	5.604
25220	0.002	0.006	0.012	0.031	0.093	0.124	0.156	0.311	0.436	0.560	0.934	1.867	3.112	4.356	5.601
25230	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.311	0.435	0.560	0.933	1.866	3.110	4.354	5.598
25240	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.311	0.435	0.559	0.932	1.865	3.108	4.351	5.595
25250	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.311	0.435	0.559	0.932	1.864	3.106	4.349	5.591
25260	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.310	0.435	0.559	0.931	1.863	3.105	4.346	5.588
25270	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.310	0.434	0.559	0.931	1.862	3.103	4.344	5.585
25280	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.310	0.434	0.558	0.930	1.861	3.101	4.341	5.582
25290	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.310	0.434	0.558	0.930	1.860	3.099	4.339	5.579
25300	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.310	0.434	0.558	0.929	1.858	3.097	4.336	5.575
25310	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.310	0.433	0.557	0.929	1.857	3.096	4.334	5.572
25320	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.309	0.433	0.557	0.928	1.856	3.094	4.331	5.569
25330	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.309	0.433	0.557	0.928	1.855	3.092	4.329	5.566
25340	0.002	0.006	0.012	0.031	0.093	0.124	0.155	0.309	0.433	0.556	0.927	1.854	3.090	4.327	5.563
25350	0.002	0.006	0.012	0.031	0.093	0.124	0.154	0.309	0.432	0.556	0.927	1.853	3.089	4.324	5.559
25360	0.002	0.006	0.012	0.031	0.093	0.123	0.154	0.309	0.432	0.556	0.926	1.852	3.087	4.322	5.556
25370	0.002	0.006	0.012	0.031	0.093	0.123	0.154	0.309	0.432	0.555	0.926	1.851	3.085	4.319	5.553
25380	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.308	0.432	0.555	0.925	1.850	3.083	4.317	5.550
25390	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.308	0.431	0.555	0.924	1.849	3.082	4.314	5.547
25400	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.308	0.431	0.554	0.924	1.848	3.080	4.312	5.544

25410	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.308	0.431	0.554	0.923	1.847	3.078	4.309	5.540
25420	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.308	0.431	0.554	0.923	1.846	3.076	4.307	5.537
25430	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.307	0.430	0.553	0.922	1.845	3.074	4.304	5.534
25440	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.307	0.430	0.553	0.922	1.844	3.073	4.302	5.531
25450	0.002	0.006	0.012	0.031	0.092	0.123	0.154	0.307	0.430	0.553	0.921	1.843	3.071	4.299	5.528
25460	0.002	0.006	0.012	0.031	0.092	0.123	0.153	0.307	0.430	0.552	0.921	1.842	3.069	4.297	5.525
25470	0.002	0.006	0.012	0.031	0.092	0.123	0.153	0.307	0.429	0.552	0.920	1.840	3.067	4.294	5.521
25480	0.002	0.006	0.012	0.031	0.092	0.123	0.153	0.307	0.429	0.552	0.920	1.839	3.066	4.292	5.518
25490	0.002	0.006	0.012	0.031	0.092	0.123	0.153	0.306	0.429	0.552	0.919	1.838	3.064	4.290	5.515
25500	0.002	0.006	0.012	0.031	0.092	0.122	0.153	0.306	0.429	0.551	0.919	1.837	3.062	4.287	5.512
25510	0.002	0.006	0.012	0.031	0.092	0.122	0.153	0.306	0.428	0.551	0.918	1.836	3.060	4.285	5.509
25520	0.002	0.006	0.012	0.031	0.092	0.122	0.153	0.306	0.428	0.551	0.918	1.835	3.059	4.282	5.506
25530	0.002	0.006	0.012	0.031	0.092	0.122	0.153	0.306	0.428	0.550	0.917	1.834	3.057	4.280	5.502
25540	0.002	0.006	0.012	0.031	0.092	0.122	0.153	0.306	0.428	0.550	0.917	1.833	3.055	4.277	5.499
25550	0.002	0.006	0.012	0.031	0.092	0.122	0.153	0.305	0.427	0.550	0.916	1.832	3.053	4.275	5.496
25560	0.002	0.006	0.012	0.031	0.092	0.122	0.153	0.305	0.427	0.549	0.915	1.831	3.052	4.272	5.493
25570	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.305	0.427	0.549	0.915	1.830	3.050	4.270	5.490
25580	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.305	0.427	0.549	0.914	1.829	3.048	4.267	5.487
25590	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.305	0.426	0.548	0.914	1.828	3.046	4.265	5.484
25600	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.304	0.426	0.548	0.913	1.827	3.045	4.263	5.480
25610	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.304	0.426	0.548	0.913	1.826	3.043	4.260	5.477
25620	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.304	0.426	0.547	0.912	1.825	3.041	4.258	5.474
25630	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.304	0.426	0.547	0.912	1.824	3.039	4.255	5.471
25640	0.002	0.006	0.012	0.030	0.091	0.122	0.152	0.304	0.425	0.547	0.911	1.823	3.038	4.253	5.468
25650	0.002	0.006	0.012	0.030	0.091	0.121	0.152	0.304	0.425	0.546	0.911	1.822	3.036	4.250	5.465
25660	0.002	0.006	0.012	0.030	0.091	0.121	0.152	0.303	0.425	0.546	0.910	1.821	3.034	4.248	5.462
25670	0.002	0.006	0.012	0.030	0.091	0.121	0.152	0.303	0.425	0.546	0.910	1.819	3.032	4.245	5.458
25680	0.002	0.006	0.012	0.030	0.091	0.121	0.152	0.303	0.424	0.546	0.909	1.818	3.031	4.243	5.455
25690	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.303	0.424	0.545	0.909	1.817	3.029	4.241	5.452
25700	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.303	0.424	0.545	0.908	1.816	3.027	4.238	5.449

25710	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.303	0.424	0.545	0.908	1.815	3.026	4.236	5.446
25720	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.302	0.423	0.544	0.907	1.814	3.024	4.233	5.443
25730	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.302	0.423	0.544	0.907	1.813	3.022	4.231	5.440
25740	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.302	0.423	0.544	0.906	1.812	3.020	4.228	5.437
25750	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.302	0.423	0.543	0.906	1.811	3.019	4.226	5.433
25760	0.002	0.006	0.012	0.030	0.091	0.121	0.151	0.302	0.422	0.543	0.905	1.810	3.017	4.224	5.430
25770	0.002	0.006	0.012	0.030	0.090	0.121	0.151	0.302	0.422	0.543	0.905	1.809	3.015	4.221	5.427
25780	0.002	0.006	0.012	0.030	0.090	0.121	0.151	0.301	0.422	0.542	0.904	1.808	3.013	4.219	5.424
25790	0.002	0.006	0.012	0.030	0.090	0.120	0.151	0.301	0.422	0.542	0.903	1.807	3.012	4.216	5.421
25800	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.301	0.421	0.542	0.903	1.806	3.010	4.214	5.418
25810	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.301	0.421	0.541	0.902	1.805	3.008	4.211	5.415
25820	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.301	0.421	0.541	0.902	1.804	3.006	4.209	5.412
25830	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.300	0.421	0.541	0.901	1.803	3.005	4.207	5.409
25840	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.300	0.420	0.541	0.901	1.802	3.003	4.204	5.405
25850	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.300	0.420	0.540	0.900	1.801	3.001	4.202	5.402
25860	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.300	0.420	0.540	0.900	1.800	3.000	4.199	5.399
25870	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.300	0.420	0.540	0.899	1.799	2.998	4.197	5.396
25880	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.300	0.419	0.539	0.899	1.798	2.996	4.195	5.393
25890	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.299	0.419	0.539	0.898	1.797	2.994	4.192	5.390
25900	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.299	0.419	0.539	0.898	1.796	2.993	4.190	5.387
25910	0.002	0.006	0.012	0.030	0.090	0.120	0.150	0.299	0.419	0.538	0.897	1.795	2.991	4.187	5.384
25920	0.002	0.006	0.012	0.030	0.090	0.120	0.149	0.299	0.418	0.538	0.897	1.794	2.989	4.185	5.381
25930	0.002	0.006	0.012	0.030	0.090	0.120	0.149	0.299	0.418	0.538	0.896	1.793	2.988	4.183	5.378
25940	0.002	0.006	0.012	0.030	0.090	0.119	0.149	0.299	0.418	0.537	0.896	1.791	2.986	4.180	5.374
25950	0.002	0.006	0.012	0.030	0.090	0.119	0.149	0.298	0.418	0.537	0.895	1.790	2.984	4.178	5.371
25960	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.298	0.418	0.537	0.895	1.789	2.982	4.175	5.368
25970	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.298	0.417	0.537	0.894	1.788	2.981	4.173	5.365
25980	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.298	0.417	0.536	0.894	1.787	2.979	4.171	5.362
25990	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.298	0.417	0.536	0.893	1.786	2.977	4.168	5.359
26000	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.298	0.417	0.536	0.893	1.785	2.976	4.166	5.356

26010	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.297	0.416	0.535	0.892	1.784	2.974	4.163	5.353
26020	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.297	0.416	0.535	0.892	1.783	2.972	4.161	5.350
26030	0.002	0.006	0.012	0.030	0.089	0.119	0.149	0.297	0.416	0.535	0.891	1.782	2.970	4.159	5.347
26040	0.002	0.006	0.012	0.030	0.089	0.119	0.148	0.297	0.416	0.534	0.891	1.781	2.969	4.156	5.344
26050	0.002	0.006	0.012	0.030	0.089	0.119	0.148	0.297	0.415	0.534	0.890	1.780	2.967	4.154	5.341
26060	0.002	0.006	0.012	0.030	0.089	0.119	0.148	0.297	0.415	0.534	0.890	1.779	2.965	4.151	5.338
26070	0.002	0.006	0.012	0.030	0.089	0.119	0.148	0.296	0.415	0.533	0.889	1.778	2.964	4.149	5.334
26080	0.002	0.006	0.012	0.030	0.089	0.118	0.148	0.296	0.415	0.533	0.889	1.777	2.962	4.147	5.331
26090	0.002	0.006	0.012	0.030	0.089	0.118	0.148	0.296	0.414	0.533	0.888	1.776	2.960	4.144	5.328
26100	0.002	0.006	0.012	0.030	0.089	0.118	0.148	0.296	0.414	0.533	0.888	1.775	2.958	4.142	5.325
26110	0.002	0.006	0.012	0.030	0.089	0.118	0.148	0.296	0.414	0.532	0.887	1.774	2.957	4.139	5.322
26120	0.002	0.006	0.012	0.030	0.089	0.118	0.148	0.296	0.414	0.532	0.887	1.773	2.955	4.137	5.319
26130	0.002	0.006	0.012	0.030	0.089	0.118	0.148	0.295	0.413	0.532	0.886	1.772	2.953	4.135	5.316
26140	0.002	0.006	0.012	0.030	0.089	0.118	0.148	0.295	0.413	0.531	0.886	1.771	2.952	4.132	5.313
26150	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.295	0.413	0.531	0.885	1.770	2.950	4.130	5.310
26160	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.295	0.413	0.531	0.884	1.769	2.948	4.128	5.307
26170	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.295	0.413	0.530	0.884	1.768	2.947	4.125	5.304
26180	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.294	0.412	0.530	0.883	1.767	2.945	4.123	5.301
26190	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.294	0.412	0.530	0.883	1.766	2.943	4.120	5.298
26200	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.294	0.412	0.529	0.882	1.765	2.942	4.118	5.295
26210	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.294	0.412	0.529	0.882	1.764	2.940	4.116	5.292
26220	0.002	0.006	0.012	0.029	0.088	0.118	0.147	0.294	0.411	0.529	0.881	1.763	2.938	4.113	5.289
26230	0.002	0.006	0.012	0.029	0.088	0.117	0.147	0.294	0.411	0.529	0.881	1.762	2.936	4.111	5.286
26240	0.002	0.006	0.012	0.029	0.088	0.117	0.147	0.293	0.411	0.528	0.880	1.761	2.935	4.109	5.283
26250	0.002	0.006	0.012	0.029	0.088	0.117	0.147	0.293	0.411	0.528	0.880	1.760	2.933	4.106	5.280
26260	0.002	0.006	0.012	0.029	0.088	0.117	0.147	0.293	0.410	0.528	0.879	1.759	2.931	4.104	5.276
26270	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.293	0.410	0.527	0.879	1.758	2.930	4.102	5.273
26280	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.293	0.410	0.527	0.878	1.757	2.928	4.099	5.270
26290	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.293	0.410	0.527	0.878	1.756	2.926	4.097	5.267
26300	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.292	0.409	0.526	0.877	1.755	2.925	4.094	5.264

26310	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.292	0.409	0.526	0.877	1.754	2.923	4.092	5.261
26320	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.292	0.409	0.526	0.876	1.753	2.921	4.090	5.258
26330	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.292	0.409	0.526	0.876	1.752	2.920	4.087	5.255
26340	0.002	0.006	0.012	0.029	0.088	0.117	0.146	0.292	0.409	0.525	0.875	1.751	2.918	4.085	5.252
26350	0.002	0.006	0.012	0.029	0.087	0.117	0.146	0.292	0.408	0.525	0.875	1.750	2.916	4.083	5.249
26360	0.002	0.006	0.012	0.029	0.087	0.117	0.146	0.291	0.408	0.525	0.874	1.749	2.915	4.080	5.246
26370	0.002	0.006	0.012	0.029	0.087	0.117	0.146	0.291	0.408	0.524	0.874	1.748	2.913	4.078	5.243
26380	0.002	0.006	0.012	0.029	0.087	0.116	0.146	0.291	0.408	0.524	0.873	1.747	2.911	4.076	5.240
26390	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.291	0.407	0.524	0.873	1.746	2.910	4.073	5.237
26400	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.291	0.407	0.523	0.872	1.745	2.908	4.071	5.234
26410	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.291	0.407	0.523	0.872	1.744	2.906	4.069	5.231
26420	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.290	0.407	0.523	0.871	1.743	2.904	4.066	5.228
26430	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.290	0.406	0.523	0.871	1.742	2.903	4.064	5.225
26440	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.290	0.406	0.522	0.870	1.741	2.901	4.062	5.222
26450	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.290	0.406	0.522	0.870	1.740	2.899	4.059	5.219
26460	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.290	0.406	0.522	0.869	1.739	2.898	4.057	5.216
26470	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.290	0.405	0.521	0.869	1.738	2.896	4.055	5.213
26480	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.289	0.405	0.521	0.868	1.737	2.894	4.052	5.210
26490	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.289	0.405	0.521	0.868	1.736	2.893	4.050	5.207
26500	0.002	0.006	0.012	0.029	0.087	0.116	0.145	0.289	0.405	0.520	0.867	1.735	2.891	4.048	5.204
26510	0.002	0.006	0.012	0.029	0.087	0.116	0.144	0.289	0.405	0.520	0.867	1.734	2.889	4.045	5.201
26520	0.002	0.006	0.012	0.029	0.087	0.116	0.144	0.289	0.404	0.520	0.866	1.733	2.888	4.043	5.198
26530	0.002	0.006	0.012	0.029	0.087	0.115	0.144	0.289	0.404	0.520	0.866	1.732	2.886	4.041	5.195
26540	0.002	0.006	0.012	0.029	0.087	0.115	0.144	0.288	0.404	0.519	0.865	1.731	2.884	4.038	5.192
26550	0.002	0.006	0.012	0.029	0.086	0.115	0.144	0.288	0.404	0.519	0.865	1.730	2.883	4.036	5.189
26560	0.002	0.006	0.012	0.029	0.086	0.115	0.144	0.288	0.403	0.519	0.864	1.729	2.881	4.034	5.186
26570	0.002	0.006	0.012	0.029	0.086	0.115	0.144	0.288	0.403	0.518	0.864	1.728	2.879	4.031	5.183
26580	0.002	0.006	0.012	0.029	0.086	0.115	0.144	0.288	0.403	0.518	0.863	1.727	2.878	4.029	5.180
26590	0.002	0.006	0.012	0.029	0.086	0.115	0.144	0.288	0.403	0.518	0.863	1.726	2.876	4.027	5.177
26600	0.002	0.006	0.011	0.029	0.086	0.115	0.144	0.287	0.402	0.517	0.862	1.725	2.874	4.024	5.174

26610	0.002	0.006	0.011	0.029	0.086	0.115	0.144	0.287	0.402	0.517	0.862	1.724	2.873	4.022	5.171
26620	0.002	0.006	0.011	0.029	0.086	0.115	0.144	0.287	0.402	0.517	0.861	1.723	2.871	4.020	5.168
26630	0.002	0.006	0.011	0.029	0.086	0.115	0.143	0.287	0.402	0.517	0.861	1.722	2.870	4.017	5.165
26640	0.002	0.006	0.011	0.029	0.086	0.115	0.143	0.287	0.402	0.516	0.860	1.721	2.868	4.015	5.162
26650	0.002	0.006	0.011	0.029	0.086	0.115	0.143	0.287	0.401	0.516	0.860	1.720	2.866	4.013	5.159
26660	0.002	0.006	0.011	0.029	0.086	0.115	0.143	0.286	0.401	0.516	0.859	1.719	2.865	4.010	5.156
26670	0.002	0.006	0.011	0.029	0.086	0.115	0.143	0.286	0.401	0.515	0.859	1.718	2.863	4.008	5.153
26680	0.002	0.006	0.011	0.029	0.086	0.114	0.143	0.286	0.401	0.515	0.858	1.717	2.861	4.006	5.150
26690	0.002	0.006	0.011	0.029	0.086	0.114	0.143	0.286	0.400	0.515	0.858	1.716	2.860	4.003	5.147
26700	0.002	0.006	0.011	0.029	0.086	0.114	0.143	0.286	0.400	0.514	0.857	1.715	2.858	4.001	5.144
26710	0.002	0.006	0.011	0.029	0.086	0.114	0.143	0.286	0.400	0.514	0.857	1.714	2.856	3.999	5.141
26720	0.002	0.006	0.011	0.029	0.086	0.114	0.143	0.285	0.400	0.514	0.856	1.713	2.855	3.997	5.138
26730	0.002	0.006	0.011	0.029	0.086	0.114	0.143	0.285	0.399	0.514	0.856	1.712	2.853	3.994	5.135
26740	0.002	0.006	0.011	0.029	0.086	0.114	0.143	0.285	0.399	0.513	0.855	1.711	2.851	3.992	5.132
26750	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.285	0.399	0.513	0.855	1.710	2.850	3.990	5.129
26760	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.285	0.399	0.513	0.854	1.709	2.848	3.987	5.127
26770	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.285	0.398	0.512	0.854	1.708	2.846	3.985	5.124
26780	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.284	0.398	0.512	0.853	1.707	2.845	3.983	5.121
26790	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.284	0.398	0.512	0.853	1.706	2.843	3.980	5.118
26800	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.284	0.398	0.511	0.852	1.705	2.841	3.978	5.115
26810	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.284	0.398	0.511	0.852	1.704	2.840	3.976	5.112
26820	0.002	0.006	0.011	0.028	0.085	0.114	0.142	0.284	0.397	0.511	0.851	1.703	2.838	3.974	5.109
26830	0.002	0.006	0.011	0.028	0.085	0.113	0.142	0.284	0.397	0.511	0.851	1.702	2.837	3.971	5.106
26840	0.002	0.006	0.011	0.028	0.085	0.113	0.142	0.283	0.397	0.510	0.850	1.701	2.835	3.969	5.103
26850	0.002	0.006	0.011	0.028	0.085	0.113	0.142	0.283	0.397	0.510	0.850	1.700	2.833	3.967	5.100
26860	0.002	0.006	0.011	0.028	0.085	0.113	0.142	0.283	0.396	0.510	0.849	1.699	2.832	3.964	5.097
26870	0.002	0.006	0.011	0.028	0.085	0.113	0.142	0.283	0.396	0.509	0.849	1.698	2.830	3.962	5.094
26880	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.283	0.396	0.509	0.849	1.697	2.828	3.960	5.091
26890	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.283	0.396	0.509	0.848	1.696	2.827	3.957	5.088
26900	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.283	0.396	0.509	0.848	1.695	2.825	3.955	5.085

26910	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.282	0.395	0.508	0.847	1.694	2.823	3.953	5.082
26920	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.282	0.395	0.508	0.847	1.693	2.822	3.951	5.079
26930	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.282	0.395	0.508	0.846	1.692	2.820	3.948	5.076
26940	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.282	0.395	0.507	0.846	1.691	2.819	3.946	5.073
26950	0.002	0.006	0.011	0.028	0.085	0.113	0.141	0.282	0.394	0.507	0.845	1.690	2.817	3.944	5.071
26960	0.002	0.006	0.011	0.028	0.084	0.113	0.141	0.282	0.394	0.507	0.845	1.689	2.815	3.941	5.068
26970	0.002	0.006	0.011	0.028	0.084	0.113	0.141	0.281	0.394	0.506	0.844	1.688	2.814	3.939	5.065
26980	0.002	0.006	0.011	0.028	0.084	0.112	0.141	0.281	0.394	0.506	0.844	1.687	2.812	3.937	5.062
26990	0.002	0.006	0.011	0.028	0.084	0.112	0.141	0.281	0.393	0.506	0.843	1.686	2.810	3.935	5.059
27000	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.281	0.393	0.506	0.843	1.685	2.809	3.932	5.056
27010	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.281	0.393	0.505	0.842	1.684	2.807	3.930	5.053
27020	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.281	0.393	0.505	0.842	1.683	2.806	3.928	5.050
27030	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.280	0.393	0.505	0.841	1.682	2.804	3.926	5.047
27040	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.280	0.392	0.504	0.841	1.681	2.802	3.923	5.044
27050	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.280	0.392	0.504	0.840	1.680	2.801	3.921	5.041
27060	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.280	0.392	0.504	0.840	1.679	2.799	3.919	5.038
27070	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.280	0.392	0.504	0.839	1.678	2.797	3.916	5.035
27080	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.280	0.391	0.503	0.839	1.678	2.796	3.914	5.033
27090	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.279	0.391	0.503	0.838	1.677	2.794	3.912	5.030
27100	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.279	0.391	0.503	0.838	1.676	2.793	3.910	5.027
27110	0.002	0.006	0.011	0.028	0.084	0.112	0.140	0.279	0.391	0.502	0.837	1.675	2.791	3.907	5.024
27120	0.002	0.006	0.011	0.028	0.084	0.112	0.139	0.279	0.391	0.502	0.837	1.674	2.789	3.905	5.021
27130	0.002	0.006	0.011	0.028	0.084	0.112	0.139	0.279	0.390	0.502	0.836	1.673	2.788	3.903	5.018
27140	0.002	0.006	0.011	0.028	0.084	0.111	0.139	0.279	0.390	0.502	0.836	1.672	2.786	3.901	5.015
27150	0.002	0.006	0.011	0.028	0.084	0.111	0.139	0.278	0.390	0.501	0.835	1.671	2.785	3.898	5.012
27160	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.278	0.390	0.501	0.835	1.670	2.783	3.896	5.009
27170	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.278	0.389	0.501	0.834	1.669	2.781	3.894	5.006
27180	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.278	0.389	0.500	0.834	1.668	2.780	3.892	5.003
27190	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.278	0.389	0.500	0.833	1.667	2.778	3.889	5.001
27200	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.278	0.389	0.500	0.833	1.666	2.776	3.887	4.998

27210	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.277	0.388	0.499	0.832	1.665	2.775	3.885	4.995
27220	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.277	0.388	0.499	0.832	1.664	2.773	3.883	4.992
27230	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.277	0.388	0.499	0.832	1.663	2.772	3.880	4.989
27240	0.002	0.006	0.011	0.028	0.083	0.111	0.139	0.277	0.388	0.499	0.831	1.662	2.770	3.878	4.986
27250	0.002	0.006	0.011	0.028	0.083	0.111	0.138	0.277	0.388	0.498	0.831	1.661	2.768	3.876	4.983
27260	0.002	0.006	0.011	0.028	0.083	0.111	0.138	0.277	0.387	0.498	0.830	1.660	2.767	3.874	4.980
27270	0.002	0.006	0.011	0.028	0.083	0.111	0.138	0.277	0.387	0.498	0.830	1.659	2.765	3.871	4.977
27280	0.002	0.006	0.011	0.028	0.083	0.111	0.138	0.276	0.387	0.497	0.829	1.658	2.764	3.869	4.975
27290	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.276	0.387	0.497	0.829	1.657	2.762	3.867	4.972
27300	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.276	0.386	0.497	0.828	1.656	2.760	3.865	4.969
27310	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.276	0.386	0.497	0.828	1.655	2.759	3.862	4.966
27320	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.276	0.386	0.496	0.827	1.654	2.757	3.860	4.963
27330	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.276	0.386	0.496	0.827	1.653	2.756	3.858	4.960
27340	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.275	0.386	0.496	0.826	1.652	2.754	3.856	4.957
27350	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.275	0.385	0.495	0.826	1.651	2.752	3.853	4.954
27360	0.002	0.006	0.011	0.028	0.083	0.110	0.138	0.275	0.385	0.495	0.825	1.651	2.751	3.851	4.952
27370	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.275	0.385	0.495	0.825	1.650	2.749	3.849	4.949
27380	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.275	0.385	0.495	0.824	1.649	2.748	3.847	4.946
27390	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.275	0.384	0.494	0.824	1.648	2.746	3.845	4.943
27400	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.274	0.384	0.494	0.823	1.647	2.744	3.842	4.940
27410	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.274	0.384	0.494	0.823	1.646	2.743	3.840	4.937
27420	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.274	0.384	0.493	0.822	1.645	2.741	3.838	4.934
27430	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.274	0.384	0.493	0.822	1.644	2.740	3.836	4.931
27440	0.002	0.005	0.011	0.027	0.082	0.110	0.137	0.274	0.383	0.493	0.821	1.643	2.738	3.833	4.929
27450	0.002	0.005	0.011	0.027	0.082	0.109	0.137	0.274	0.383	0.493	0.821	1.642	2.737	3.831	4.926
27460	0.002	0.005	0.011	0.027	0.082	0.109	0.137	0.273	0.383	0.492	0.820	1.641	2.735	3.829	4.923
27470	0.002	0.005	0.011	0.027	0.082	0.109	0.137	0.273	0.383	0.492	0.820	1.640	2.733	3.827	4.920
27480	0.002	0.005	0.011	0.027	0.082	0.109	0.137	0.273	0.382	0.492	0.820	1.639	2.732	3.824	4.917
27490	0.002	0.005	0.011	0.027	0.082	0.109	0.137	0.273	0.382	0.491	0.819	1.638	2.730	3.822	4.914
27500	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.273	0.382	0.491	0.819	1.637	2.729	3.820	4.911

27510	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.273	0.382	0.491	0.818	1.636	2.727	3.818	4.909
27520	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.273	0.382	0.491	0.818	1.635	2.725	3.816	4.906
27530	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.272	0.381	0.490	0.817	1.634	2.724	3.813	4.903
27540	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.272	0.381	0.490	0.817	1.633	2.722	3.811	4.900
27550	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.272	0.381	0.490	0.816	1.632	2.721	3.809	4.897
27560	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.272	0.381	0.489	0.816	1.631	2.719	3.807	4.894
27570	0.002	0.005	0.011	0.027	0.082	0.109	0.136	0.272	0.380	0.489	0.815	1.631	2.718	3.805	4.892
27580	0.002	0.005	0.011	0.027	0.081	0.109	0.136	0.272	0.380	0.489	0.815	1.630	2.716	3.802	4.889
27590	0.002	0.005	0.011	0.027	0.081	0.109	0.136	0.271	0.380	0.489	0.814	1.629	2.714	3.800	4.886
27600	0.002	0.005	0.011	0.027	0.081	0.109	0.136	0.271	0.380	0.488	0.814	1.628	2.713	3.798	4.883
27610	0.002	0.005	0.011	0.027	0.081	0.108	0.136	0.271	0.380	0.488	0.813	1.627	2.711	3.796	4.880
27620	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.271	0.379	0.488	0.813	1.626	2.710	3.793	4.877
27630	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.271	0.379	0.487	0.812	1.625	2.708	3.791	4.875
27640	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.271	0.379	0.487	0.812	1.624	2.706	3.789	4.872
27650	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.270	0.379	0.487	0.811	1.623	2.705	3.787	4.869
27660	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.270	0.378	0.487	0.811	1.622	2.703	3.785	4.866
27670	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.270	0.378	0.486	0.811	1.621	2.702	3.782	4.863
27680	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.270	0.378	0.486	0.810	1.620	2.700	3.780	4.860
27690	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.270	0.378	0.486	0.810	1.619	2.699	3.778	4.858
27700	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.270	0.378	0.485	0.809	1.618	2.697	3.776	4.855
27710	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.270	0.377	0.485	0.809	1.617	2.695	3.774	4.852
27720	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.269	0.377	0.485	0.808	1.616	2.694	3.771	4.849
27730	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.269	0.377	0.485	0.808	1.615	2.692	3.769	4.846
27740	0.002	0.005	0.011	0.027	0.081	0.108	0.135	0.269	0.377	0.484	0.807	1.614	2.691	3.767	4.843
27750	0.002	0.005	0.011	0.027	0.081	0.108	0.134	0.269	0.376	0.484	0.807	1.614	2.689	3.765	4.841
27760	0.002	0.005	0.011	0.027	0.081	0.108	0.134	0.269	0.376	0.484	0.806	1.613	2.688	3.763	4.838
27770	0.002	0.005	0.011	0.027	0.081	0.107	0.134	0.269	0.376	0.483	0.806	1.612	2.686	3.761	4.835
27780	0.002	0.005	0.011	0.027	0.081	0.107	0.134	0.268	0.376	0.483	0.805	1.611	2.685	3.758	4.832
27790	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.268	0.376	0.483	0.805	1.610	2.683	3.756	4.829
27800	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.268	0.375	0.483	0.804	1.609	2.681	3.754	4.827

27810	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.268	0.375	0.482	0.804	1.608	2.680	3.752	4.824
27820	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.268	0.375	0.482	0.803	1.607	2.678	3.750	4.821
27830	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.268	0.375	0.482	0.803	1.606	2.677	3.747	4.818
27840	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.268	0.375	0.482	0.803	1.605	2.675	3.745	4.815
27850	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.267	0.374	0.481	0.802	1.604	2.674	3.743	4.812
27860	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.267	0.374	0.481	0.802	1.603	2.672	3.741	4.810
27870	0.002	0.005	0.011	0.027	0.080	0.107	0.134	0.267	0.374	0.481	0.801	1.602	2.670	3.739	4.807
27880	0.002	0.005	0.011	0.027	0.080	0.107	0.133	0.267	0.374	0.480	0.801	1.601	2.669	3.737	4.804
27890	0.002	0.005	0.011	0.027	0.080	0.107	0.133	0.267	0.373	0.480	0.800	1.600	2.667	3.734	4.801
27900	0.002	0.005	0.011	0.027	0.080	0.107	0.133	0.267	0.373	0.480	0.800	1.599	2.666	3.732	4.798
27910	0.002	0.005	0.011	0.027	0.080	0.107	0.133	0.266	0.373	0.480	0.799	1.599	2.664	3.732	4.796
27920	0.002	0.005	0.011	0.027	0.080	0.107	0.133	0.266	0.373	0.479	0.799	1.598	2.663	3.728	4.793
27930	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.266	0.373	0.479	0.798	1.597	2.661	3.726	4.790
27940	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.266	0.372	0.479	0.798	1.596	2.660	3.723	4.787
27950	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.266	0.372	0.478	0.797	1.595	2.658	3.721	4.785
27960	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.266	0.372	0.478	0.797	1.594	2.657	3.719	4.782
27970	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.265	0.372	0.478	0.796	1.593	2.655	3.717	4.779
27980	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.265	0.371	0.478	0.796	1.592	2.653	3.715	4.776
27990	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.265	0.371	0.477	0.796	1.591	2.652	3.713	4.773
28000	0.002	0.005	0.011	0.027	0.080	0.106	0.133	0.265	0.371	0.477	0.795	1.590	2.650	3.710	4.771
28010	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.265	0.371	0.477	0.795	1.589	2.649	3.708	4.768
28020	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.265	0.371	0.477	0.794	1.588	2.647	3.706	4.765
28030	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.265	0.370	0.476	0.794	1.587	2.646	3.704	4.762
28040	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.264	0.370	0.476	0.793	1.586	2.644	3.702	4.759
28050	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.264	0.370	0.476	0.793	1.586	2.643	3.700	4.757
28060	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.264	0.370	0.475	0.792	1.585	2.641	3.697	4.754
28070	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.264	0.370	0.475	0.792	1.584	2.640	3.695	4.751
28080	0.002	0.005	0.011	0.026	0.079	0.106	0.132	0.264	0.369	0.475	0.791	1.583	2.638	3.693	4.748
28090	0.002	0.005	0.011	0.026	0.079	0.105	0.132	0.264	0.369	0.475	0.791	1.582	2.636	3.691	4.746
28100	0.002	0.005	0.011	0.026	0.079	0.105	0.132	0.263	0.369	0.474	0.790	1.581	2.635	3.689	4.743

28110	0.002	0.005	0.011	0.026	0.079	0.105	0.132	0.263	0.369	0.474	0.790	1.580	2.633	3.687	4.740
28120	0.002	0.005	0.011	0.026	0.079	0.105	0.132	0.263	0.368	0.474	0.790	1.579	2.632	3.685	4.737
28130	0.002	0.005	0.011	0.026	0.079	0.105	0.132	0.263	0.368	0.473	0.789	1.578	2.630	3.682	4.735
28140	0.002	0.005	0.011	0.026	0.079	0.105	0.131	0.263	0.368	0.473	0.789	1.577	2.629	3.680	4.732
28150	0.002	0.005	0.011	0.026	0.079	0.105	0.131	0.263	0.368	0.473	0.788	1.576	2.627	3.678	4.729
28160	0.002	0.005	0.011	0.026	0.079	0.105	0.131	0.263	0.368	0.473	0.788	1.575	2.626	3.676	4.726
28170	0.002	0.005	0.010	0.026	0.079	0.105	0.131	0.262	0.367	0.472	0.787	1.574	2.624	3.674	4.723
28180	0.002	0.005	0.010	0.026	0.079	0.105	0.131	0.262	0.367	0.472	0.787	1.574	2.623	3.672	4.721
28190	0.002	0.005	0.010	0.026	0.079	0.105	0.131	0.262	0.367	0.472	0.786	1.573	2.621	3.670	4.718
28200	0.002	0.005	0.010	0.026	0.079	0.105	0.131	0.262	0.367	0.472	0.786	1.572	2.620	3.667	4.715
28210	0.002	0.005	0.010	0.026	0.079	0.105	0.131	0.262	0.367	0.471	0.785	1.571	2.618	3.665	4.712
28220	0.002	0.005	0.010	0.026	0.078	0.105	0.131	0.262	0.366	0.471	0.785	1.570	2.616	3.663	4.710
28230	0.002	0.005	0.010	0.026	0.078	0.105	0.131	0.261	0.366	0.471	0.784	1.569	2.615	3.661	4.707
28240	0.002	0.005	0.010	0.026	0.078	0.105	0.131	0.261	0.366	0.470	0.784	1.568	2.613	3.659	4.704
28250	0.002	0.005	0.010	0.026	0.078	0.104	0.131	0.261	0.366	0.470	0.784	1.567	2.612	3.657	4.701
28260	0.002	0.005	0.010	0.026	0.078	0.104	0.131	0.261	0.365	0.470	0.783	1.566	2.610	3.655	4.699
28270	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.261	0.365	0.470	0.783	1.565	2.609	3.652	4.696
28280	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.261	0.365	0.469	0.782	1.564	2.607	3.650	4.693
28290	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.261	0.365	0.469	0.782	1.563	2.606	3.648	4.690
28300	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.260	0.365	0.469	0.781	1.563	2.604	3.646	4.688
28310	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.260	0.364	0.468	0.781	1.562	2.603	3.644	4.685
28320	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.260	0.364	0.468	0.780	1.561	2.601	3.642	4.682
28330	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.260	0.364	0.468	0.780	1.560	2.600	3.640	4.679
28340	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.260	0.364	0.468	0.779	1.559	2.598	3.637	4.677
28350	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.260	0.364	0.467	0.779	1.558	2.597	3.635	4.674
28360	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.260	0.363	0.467	0.779	1.557	2.595	3.633	4.671
28370	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.259	0.363	0.467	0.778	1.556	2.594	3.631	4.669
28380	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.259	0.363	0.467	0.778	1.555	2.592	3.629	4.666
28390	0.002	0.005	0.010	0.026	0.078	0.104	0.130	0.259	0.363	0.466	0.777	1.554	2.591	3.627	4.663
28400	0.002	0.005	0.010	0.026	0.078	0.104	0.129	0.259	0.362	0.466	0.777	1.553	2.589	3.625	4.660

28410	0.002	0.005	0.010	0.026	0.078	0.104	0.129	0.259	0.362	0.466	0.776	1.553	2.588	3.623	4.658
28420	0.002	0.005	0.010	0.026	0.078	0.103	0.129	0.259	0.362	0.465	0.776	1.552	2.586	3.620	4.655
28430	0.002	0.005	0.010	0.026	0.078	0.103	0.129	0.258	0.362	0.465	0.775	1.551	2.585	3.618	4.652
28440	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.258	0.362	0.465	0.775	1.550	2.583	3.616	4.649
28450	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.258	0.361	0.465	0.774	1.549	2.582	3.614	4.647
28460	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.258	0.361	0.464	0.774	1.548	2.580	3.612	4.644
28470	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.258	0.361	0.464	0.774	1.547	2.578	3.610	4.641
28480	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.258	0.361	0.464	0.773	1.546	2.577	3.608	4.639
28490	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.258	0.361	0.464	0.773	1.545	2.575	3.606	4.636
28500	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.257	0.360	0.463	0.772	1.544	2.574	3.604	4.633
28510	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.257	0.360	0.463	0.772	1.543	2.572	3.601	4.630
28520	0.002	0.005	0.010	0.026	0.077	0.103	0.129	0.257	0.360	0.463	0.771	1.543	2.571	3.599	4.628
28530	0.002	0.005	0.010	0.026	0.077	0.103	0.128	0.257	0.360	0.462	0.771	1.542	2.569	3.597	4.625
28540	0.002	0.005	0.010	0.026	0.077	0.103	0.128	0.257	0.360	0.462	0.770	1.541	2.568	3.595	4.622
28550	0.002	0.005	0.010	0.026	0.077	0.103	0.128	0.257	0.359	0.462	0.770	1.540	2.566	3.593	4.620
28560	0.002	0.005	0.010	0.026	0.077	0.103	0.128	0.256	0.359	0.462	0.769	1.539	2.565	3.591	4.617
28570	0.002	0.005	0.010	0.026	0.077	0.103	0.128	0.256	0.359	0.461	0.769	1.538	2.563	3.589	4.614
28580	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.256	0.359	0.461	0.769	1.537	2.562	3.587	4.611
28590	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.256	0.358	0.461	0.768	1.536	2.560	3.585	4.609
28600	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.256	0.358	0.461	0.768	1.535	2.559	3.582	4.606
28610	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.256	0.358	0.460	0.767	1.534	2.557	3.580	4.603
28620	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.256	0.358	0.460	0.767	1.534	2.556	3.578	4.601
28630	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.255	0.358	0.460	0.766	1.533	2.554	3.576	4.598
28640	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.255	0.357	0.460	0.766	1.532	2.553	3.574	4.595
28650	0.002	0.005	0.010	0.026	0.077	0.102	0.128	0.255	0.357	0.459	0.765	1.531	2.551	3.572	4.593
28660	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.255	0.357	0.459	0.765	1.530	2.550	3.570	4.590
28670	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.255	0.357	0.459	0.765	1.529	2.548	3.568	4.587
28680	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.255	0.357	0.458	0.764	1.528	2.547	3.566	4.584
28690	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.255	0.356	0.458	0.764	1.527	2.545	3.564	4.582
28700	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.254	0.356	0.458	0.763	1.526	2.544	3.562	4.579

20710	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.254	0.356	0.450	0.762	1 525	2 5 4 2	2 550	4 F76
28710	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.254	0.356	0.458	0.763	1.525	2.542	3.559	4.576
28720	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.254	0.356	0.457	0.762	1.525	2.541	3.557	4.574
28730	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.254	0.356	0.457	0.762	1.524	2.539	3.555	4.571
28740	0.002	0.005	0.010	0.025	0.076	0.102	0.127	0.254	0.355	0.457	0.761	1.523	2.538	3.553	4.568
28750	0.002	0.005	0.010	0.025	0.076	0.101	0.127	0.254	0.355	0.457	0.761	1.522	2.536	3.551	4.566
28760	0.002	0.005	0.010	0.025	0.076	0.101	0.127	0.253	0.355	0.456	0.760	1.521	2.535	3.549	4.563
28770	0.002	0.005	0.010	0.025	0.076	0.101	0.127	0.253	0.355	0.456	0.760	1.520	2.533	3.547	4.560
28780	0.002	0.005	0.010	0.025	0.076	0.101	0.127	0.253	0.354	0.456	0.760	1.519	2.532	3.545	4.558
28790	0.002	0.005	0.010	0.025	0.076	0.101	0.127	0.253	0.354	0.455	0.759	1.518	2.531	3.543	4.555
28800	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.253	0.354	0.455	0.759	1.517	2.529	3.541	4.552
28810	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.253	0.354	0.455	0.758	1.517	2.528	3.539	4.550
28820	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.253	0.354	0.455	0.758	1.516	2.526	3.536	4.547
28830	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.252	0.353	0.454	0.757	1.515	2.525	3.534	4.544
28840	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.252	0.353	0.454	0.757	1.514	2.523	3.532	4.542
28850	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.252	0.353	0.454	0.756	1.513	2.522	3.530	4.539
28860	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.252	0.353	0.454	0.756	1.512	2.520	3.528	4.536
28870	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.252	0.353	0.453	0.756	1.511	2.519	3.526	4.534
28880	0.002	0.005	0.010	0.025	0.076	0.101	0.126	0.252	0.352	0.453	0.755	1.510	2.517	3.524	4.531
28890	0.002	0.005	0.010	0.025	0.075	0.101	0.126	0.252	0.352	0.453	0.755	1.509	2.516	3.522	4.528
28900	0.002	0.005	0.010	0.025	0.075	0.101	0.126	0.251	0.352	0.453	0.754	1.509	2.514	3.520	4.526
28910	0.002	0.005	0.010	0.025	0.075	0.101	0.126	0.251	0.352	0.452	0.754	1.508	2.513	3.518	4.523
28920	0.002	0.005	0.010	0.025	0.075	0.100	0.126	0.251	0.352	0.452	0.753	1.507	2.511	3.516	4.520
28930	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.251	0.351	0.452	0.753	1.506	2.510	3.514	4.518
28940	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.251	0.351	0.451	0.752	1.505	2.508	3.512	4.515
28950	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.251	0.351	0.451	0.752	1.504	2.507	3.510	4.512
28960	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.251	0.351	0.451	0.752	1.503	2.505	3.507	4.510
28970	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.250	0.351	0.451	0.751	1.502	2.504	3.505	4.507
28980	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.250	0.350	0.450	0.751	1.501	2.502	3.503	4.504
28990	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.250	0.350	0.450	0.750	1.501	2.501	3.501	4.502
29000	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.250	0.350	0.450	0.750	1.500	2.499	3.499	4.499

29010	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.250	0.350	0.450	0.749	1.499	2.498	3.497	4.496
29020	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.250	0.350	0.430	0.749	1.499	2.496	3.495	4.494
29030	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.250	0.349	0.449	0.749	1.497	2.495	3.493	4.491
29040	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.230	0.349	0.449	0.749	1.496	2.494	3.491	4.488
29040	0.002	0.005	0.010	0.025	0.075	0.100	0.125		0.349		0.748	1.495	2.494	3.489	4.486
								0.249		0.449					
29060	0.002	0.005	0.010	0.025	0.075	0.100	0.125	0.249	0.349	0.448	0.747	1.494	2.491	3.487	4.483
29070	0.002	0.005	0.010	0.025	0.075	0.100	0.124	0.249	0.348	0.448	0.747	1.493	2.489	3.485	4.480
29080	0.002	0.005	0.010	0.025	0.075	0.100	0.124	0.249	0.348	0.448	0.746	1.493	2.488	3.483	4.478
29090	0.002	0.005	0.010	0.025	0.075	0.099	0.124	0.249	0.348	0.448	0.746	1.492	2.486	3.481	4.475
29100	0.002	0.005	0.010	0.025	0.075	0.099	0.124	0.248	0.348	0.447	0.745	1.491	2.485	3.479	4.473
29110	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.248	0.348	0.447	0.745	1.490	2.483	3.477	4.470
29120	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.248	0.347	0.447	0.745	1.489	2.482	3.475	4.467
29130	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.248	0.347	0.446	0.744	1.488	2.480	3.472	4.465
29140	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.248	0.347	0.446	0.744	1.487	2.479	3.470	4.462
29150	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.248	0.347	0.446	0.743	1.486	2.477	3.468	4.459
29160	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.248	0.347	0.446	0.743	1.486	2.476	3.466	4.457
29170	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.247	0.346	0.445	0.742	1.485	2.474	3.464	4.454
29180	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.247	0.346	0.445	0.742	1.484	2.473	3.462	4.451
29190	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.247	0.346	0.445	0.741	1.483	2.472	3.460	4.449
29200	0.002	0.005	0.010	0.025	0.074	0.099	0.124	0.247	0.346	0.445	0.741	1.482	2.470	3.458	4.446
29210	0.002	0.005	0.010	0.025	0.074	0.099	0.123	0.247	0.346	0.444	0.741	1.481	2.469	3.456	4.444
29220	0.002	0.005	0.010	0.025	0.074	0.099	0.123	0.247	0.345	0.444	0.740	1.480	2.467	3.454	4.441
29230	0.002	0.005	0.010	0.025	0.074	0.099	0.123	0.247	0.345	0.444	0.740	1.479	2.466	3.452	4.438
29240	0.002	0.005	0.010	0.025	0.074	0.099	0.123	0.246	0.345	0.444	0.739	1.479	2.464	3.450	4.436
29250	0.002	0.005	0.010	0.025	0.074	0.099	0.123	0.246	0.345	0.443	0.739	1.478	2.463	3.448	4.433
29260	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.246	0.345	0.443	0.738	1.477	2.461	3.446	4.430
29270	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.246	0.344	0.443	0.738	1.476	2.460	3.444	4.428
29280	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.246	0.344	0.443	0.738	1.475	2.458	3.442	4.425
29290	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.246	0.344	0.442	0.737	1.474	2.457	3.440	4.423
29300	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.246	0.344	0.442	0.737	1.473	2.456	3.438	4.420
23300	0.002	0.003	0.010	0.023	0.074	0.050	0.123	0.270	0.544	0.772	0.757	1.7/3	2.730	3.730	7.720

29310	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.245	0.344	0.442	0.736	1.472	2.454	3.436	4.417
29320	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.245	0.343	0.441	0.736	1.472	2.453	3.434	4.415
29330	0.002	0.005	0.010	0.025	0.074	0.098	0.123	0.245	0.343	0.441	0.735	1.471	2.451	3.432	4.412
29340	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.245	0.343	0.441	0.735	1.470	2.450	3.430	4.410
29350	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.245	0.343	0.441	0.734	1.469	2.448	3.428	4.407
29360	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.245	0.343	0.440	0.734	1.468	2.447	3.426	4.404
29370	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.245	0.342	0.440	0.734	1.467	2.445	3.424	4.402
29380	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.244	0.342	0.440	0.733	1.466	2.444	3.422	4.399
29390	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.244	0.342	0.440	0.733	1.466	2.443	3.420	4.397
29400	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.244	0.342	0.439	0.732	1.465	2.441	3.418	4.394
29410	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.244	0.342	0.439	0.732	1.464	2.440	3.415	4.391
29420	0.002	0.005	0.010	0.024	0.073	0.098	0.122	0.244	0.341	0.439	0.731	1.463	2.438	3.413	4.389
29430	0.002	0.005	0.010	0.024	0.073	0.097	0.122	0.244	0.341	0.439	0.731	1.462	2.437	3.411	4.386
29440	0.002	0.005	0.010	0.024	0.073	0.097	0.122	0.244	0.341	0.438	0.731	1.461	2.435	3.409	4.384
29450	0.002	0.005	0.010	0.024	0.073	0.097	0.122	0.243	0.341	0.438	0.730	1.460	2.434	3.407	4.381
29460	0.002	0.005	0.010	0.024	0.073	0.097	0.122	0.243	0.341	0.438	0.730	1.459	2.432	3.405	4.378
29470	0.002	0.005	0.010	0.024	0.073	0.097	0.122	0.243	0.340	0.438	0.729	1.459	2.431	3.403	4.376
29480	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.243	0.340	0.437	0.729	1.458	2.430	3.401	4.373
29490	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.243	0.340	0.437	0.728	1.457	2.428	3.399	4.371
29500	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.243	0.340	0.437	0.728	1.456	2.427	3.397	4.368
29510	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.243	0.340	0.437	0.728	1.455	2.425	3.395	4.365
29520	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.242	0.339	0.436	0.727	1.454	2.424	3.393	4.363
29530	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.242	0.339	0.436	0.727	1.453	2.422	3.391	4.360
29540	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.242	0.339	0.436	0.726	1.453	2.421	3.389	4.358
29550	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.242	0.339	0.436	0.726	1.452	2.419	3.387	4.355
29560	0.002	0.005	0.010	0.024	0.073	0.097	0.121	0.242	0.339	0.435	0.725	1.451	2.418	3.385	4.352
29570	0.002	0.005	0.010	0.024	0.072	0.097	0.121	0.242	0.338	0.435	0.725	1.450	2.417	3.383	4.350
29580	0.002	0.005	0.010	0.024	0.072	0.097	0.121	0.242	0.338	0.435	0.725	1.449	2.415	3.381	4.347
29590	0.002	0.005	0.010	0.024	0.072	0.097	0.121	0.241	0.338	0.434	0.724	1.448	2.414	3.379	4.345
29600	0.002	0.005	0.010	0.024	0.072	0.096	0.121	0.241	0.338	0.434	0.724	1.447	2.412	3.377	4.342

29610	0.002	0.005	0.010	0.024	0.072	0.096	0.121	0.241	0.338	0.434	0.723	1.447	2.411	3.375	4.340
29620	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.241	0.337	0.434	0.723	1.446	2.409	3.373	4.337
29630	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.241	0.337	0.433	0.722	1.445	2.408	3.371	4.334
29640	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.241	0.337	0.433	0.722	1.444	2.407	3.369	4.332
29650	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.241	0.337	0.433	0.722	1.443	2.405	3.367	4.329
29660	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.240	0.337	0.433	0.721	1.442	2.404	3.365	4.327
29670	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.240	0.336	0.432	0.721	1.441	2.402	3.363	4.324
29680	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.240	0.336	0.432	0.720	1.441	2.401	3.361	4.322
29690	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.240	0.336	0.432	0.720	1.440	2.399	3.359	4.319
29700	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.240	0.336	0.432	0.719	1.439	2.398	3.357	4.316
29710	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.240	0.336	0.431	0.719	1.438	2.397	3.355	4.314
29720	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.240	0.335	0.431	0.719	1.437	2.395	3.353	4.311
29730	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.239	0.335	0.431	0.718	1.436	2.394	3.351	4.309
29740	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.239	0.335	0.431	0.718	1.435	2.392	3.349	4.306
29750	0.002	0.005	0.010	0.024	0.072	0.096	0.120	0.239	0.335	0.430	0.717	1.435	2.391	3.347	4.304
29760	0.002	0.005	0.010	0.024	0.072	0.096	0.119	0.239	0.335	0.430	0.717	1.434	2.390	3.345	4.301
29770	0.002	0.005	0.010	0.024	0.072	0.096	0.119	0.239	0.334	0.430	0.716	1.433	2.388	3.343	4.299
29780	0.002	0.005	0.010	0.024	0.072	0.095	0.119	0.239	0.334	0.430	0.716	1.432	2.387	3.341	4.296
29790	0.002	0.005	0.010	0.024	0.072	0.095	0.119	0.239	0.334	0.429	0.716	1.431	2.385	3.339	4.293
29800	0.002	0.005	0.010	0.024	0.072	0.095	0.119	0.238	0.334	0.429	0.715	1.430	2.384	3.337	4.291
29810	0.002	0.005	0.010	0.024	0.071	0.095	0.119	0.238	0.334	0.429	0.715	1.429	2.382	3.335	4.288
29820	0.002	0.005	0.010	0.024	0.071	0.095	0.119	0.238	0.333	0.429	0.714	1.429	2.381	3.333	4.286
29830	0.002	0.005	0.010	0.024	0.071	0.095	0.119	0.238	0.333	0.428	0.714	1.428	2.380	3.331	4.283
29840	0.002	0.005	0.010	0.024	0.071	0.095	0.119	0.238	0.333	0.428	0.713	1.427	2.378	3.329	4.281
29850	0.002	0.005	0.010	0.024	0.071	0.095	0.119	0.238	0.333	0.428	0.713	1.426	2.377	3.327	4.278
29860	0.002	0.005	0.010	0.024	0.071	0.095	0.119	0.238	0.333	0.428	0.713	1.425	2.375	3.325	4.276
29870	0.002	0.005	0.009	0.024	0.071	0.095	0.119	0.237	0.332	0.427	0.712	1.424	2.374	3.323	4.273
29880	0.002	0.005	0.009	0.024	0.071	0.095	0.119	0.237	0.332	0.427	0.712	1.424	2.373	3.322	4.271
29890	0.002	0.005	0.009	0.024	0.071	0.095	0.119	0.237	0.332	0.427	0.711	1.423	2.371	3.320	4.268
29900	0.002	0.005	0.009	0.024	0.071	0.095	0.118	0.237	0.332	0.427	0.711	1.422	2.370	3.318	4.265

29910	0.002	0.005	0.009	0.024	0.071	0.095	0.118	0.237	0.332	0.426	0.710	1.421	2.368	3.316	4.263
29920	0.002	0.005	0.009	0.024	0.071	0.095	0.118	0.237	0.331	0.426	0.710	1.420	2.367	3.314	4.260
29930	0.002	0.005	0.009	0.024	0.071	0.095	0.118	0.237	0.331	0.426	0.710	1.419	2.365	3.312	4.258
29940	0.002	0.005	0.009	0.024	0.071	0.095	0.118	0.236	0.331	0.426	0.709	1.418	2.364	3.310	4.255
29950	0.002	0.005	0.009	0.024	0.071	0.095	0.118	0.236	0.331	0.425	0.709	1.418	2.363	3.308	4.253
29960	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.236	0.331	0.425	0.708	1.417	2.361	3.306	4.250
29970	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.236	0.330	0.425	0.708	1.416	2.360	3.304	4.248
29980	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.236	0.330	0.425	0.708	1.415	2.358	3.302	4.245
29990	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.236	0.330	0.424	0.707	1.414	2.357	3.300	4.243
30000	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.236	0.330	0.424	0.707	1.413	2.356	3.298	4.240
30010	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.235	0.330	0.424	0.706	1.413	2.354	3.296	4.238
30020	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.235	0.329	0.424	0.706	1.412	2.353	3.294	4.235
30030	0.002	0.005	0.009	0.024	0.071	0.094	0.118	0.235	0.329	0.423	0.705	1.411	2.351	3.292	4.233
30040	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.235	0.329	0.423	0.705	1.410	2.350	3.290	4.230
30050	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.235	0.329	0.423	0.705	1.409	2.349	3.288	4.227
30060	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.235	0.329	0.422	0.704	1.408	2.347	3.286	4.225
30070	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.235	0.328	0.422	0.704	1.407	2.346	3.284	4.222
30080	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.234	0.328	0.422	0.703	1.407	2.344	3.282	4.220
30090	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.234	0.328	0.422	0.703	1.406	2.343	3.280	4.217
30100	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.234	0.328	0.421	0.702	1.405	2.342	3.278	4.215
30110	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.234	0.328	0.421	0.702	1.404	2.340	3.276	4.212
30120	0.002	0.005	0.009	0.023	0.070	0.094	0.117	0.234	0.327	0.421	0.702	1.403	2.339	3.274	4.210
30130	0.002	0.005	0.009	0.023	0.070	0.093	0.117	0.234	0.327	0.421	0.701	1.402	2.337	3.272	4.207
30140	0.002	0.005	0.009	0.023	0.070	0.093	0.117	0.234	0.327	0.420	0.701	1.402	2.336	3.270	4.205
30150	0.002	0.005	0.009	0.023	0.070	0.093	0.117	0.233	0.327	0.420	0.700	1.401	2.335	3.268	4.202
30160	0.002	0.005	0.009	0.023	0.070	0.093	0.117	0.233	0.327	0.420	0.700	1.400	2.333	3.266	4.200
30170	0.002	0.005	0.009	0.023	0.070	0.093	0.117	0.233	0.326	0.420	0.700	1.399	2.332	3.265	4.197
30180	0.002	0.005	0.009	0.023	0.070	0.093	0.117	0.233	0.326	0.419	0.699	1.398	2.330	3.263	4.195
30190	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.233	0.326	0.419	0.699	1.397	2.329	3.261	4.192
30200	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.233	0.326	0.419	0.698	1.397	2.328	3.259	4.190

30210	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.233	0.326	0.419	0.698	1.396	2.326	3.257	4.187
30220	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.232	0.325	0.418	0.697	1.395	2.325	3.255	4.185
30230	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.232	0.325	0.418	0.697	1.394	2.323	3.253	4.182
30240	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.232	0.325	0.418	0.697	1.393	2.322	3.251	4.180
30250	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.232	0.325	0.418	0.696	1.392	2.321	3.249	4.177
30260	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.232	0.325	0.417	0.696	1.392	2.319	3.247	4.175
30270	0.002	0.005	0.009	0.023	0.070	0.093	0.116	0.232	0.325	0.417	0.695	1.391	2.318	3.245	4.172
30280	0.002	0.005	0.009	0.023	0.069	0.093	0.116	0.232	0.324	0.417	0.695	1.390	2.317	3.243	4.170
30290	0.002	0.005	0.009	0.023	0.069	0.093	0.116	0.232	0.324	0.417	0.695	1.389	2.315	3.241	4.167
30300	0.002	0.005	0.009	0.023	0.069	0.093	0.116	0.231	0.324	0.416	0.694	1.388	2.314	3.239	4.165
30310	0.002	0.005	0.009	0.023	0.069	0.092	0.116	0.231	0.324	0.416	0.694	1.387	2.312	3.237	4.162
30320	0.002	0.005	0.009	0.023	0.069	0.092	0.116	0.231	0.324	0.416	0.693	1.387	2.311	3.235	4.160
30330	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.231	0.323	0.416	0.693	1.386	2.310	3.233	4.157
30340	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.231	0.323	0.415	0.692	1.385	2.308	3.232	4.155
30350	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.231	0.323	0.415	0.692	1.384	2.307	3.230	4.152
30360	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.231	0.323	0.415	0.692	1.383	2.305	3.228	4.150
30370	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.230	0.323	0.415	0.691	1.382	2.304	3.226	4.147
30380	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.230	0.322	0.414	0.691	1.382	2.303	3.224	4.145
30390	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.230	0.322	0.414	0.690	1.381	2.301	3.222	4.142
30400	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.230	0.322	0.414	0.690	1.380	2.300	3.220	4.140
30410	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.230	0.322	0.414	0.690	1.379	2.299	3.218	4.137
30420	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.230	0.322	0.413	0.689	1.378	2.297	3.216	4.135
30430	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.230	0.321	0.413	0.689	1.377	2.296	3.214	4.132
30440	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.229	0.321	0.413	0.688	1.377	2.294	3.212	4.130
30450	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.229	0.321	0.413	0.688	1.376	2.293	3.210	4.127
30460	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.229	0.321	0.413	0.688	1.375	2.292	3.208	4.125
30470	0.002	0.005	0.009	0.023	0.069	0.092	0.115	0.229	0.321	0.412	0.687	1.374	2.290	3.206	4.123
30480	0.002	0.005	0.009	0.023	0.069	0.092	0.114	0.229	0.320	0.412	0.687	1.373	2.289	3.204	4.120
30490	0.002	0.005	0.009	0.023	0.069	0.092	0.114	0.229	0.320	0.412	0.686	1.373	2.288	3.203	4.118
30500	0.002	0.005	0.009	0.023	0.069	0.091	0.114	0.229	0.320	0.412	0.686	1.372	2.286	3.201	4.115

20510	0.002	0.005	0.000	0.022	0.000	0.001	0 111	0.220	0.220	0.411	0.00	1 271	2 205	2 100	4 112
30510	0.002	0.005	0.009	0.023	0.069	0.091	0.114	0.228	0.320	0.411	0.685	1.371	2.285	3.199	4.113
30520	0.002	0.005	0.009	0.023	0.069	0.091	0.114	0.228	0.320	0.411	0.685	1.370	2.283	3.197	4.110
30530	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.228	0.319	0.411	0.685	1.369	2.282	3.195	4.108
30540	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.228	0.319	0.411	0.684	1.368	2.281	3.193	4.105
30550	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.228	0.319	0.410	0.684	1.368	2.279	3.191	4.103
30560	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.228	0.319	0.410	0.683	1.367	2.278	3.189	4.100
30570	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.228	0.319	0.410	0.683	1.366	2.277	3.187	4.098
30580	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.228	0.319	0.410	0.683	1.365	2.275	3.185	4.095
30590	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.227	0.318	0.409	0.682	1.364	2.274	3.183	4.093
30600	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.227	0.318	0.409	0.682	1.363	2.272	3.181	4.090
30610	0.002	0.005	0.009	0.023	0.068	0.091	0.114	0.227	0.318	0.409	0.681	1.363	2.271	3.180	4.088
30620	0.002	0.005	0.009	0.023	0.068	0.091	0.113	0.227	0.318	0.409	0.681	1.362	2.270	3.178	4.086
30630	0.002	0.005	0.009	0.023	0.068	0.091	0.113	0.227	0.318	0.408	0.681	1.361	2.268	3.176	4.083
30640	0.002	0.005	0.009	0.023	0.068	0.091	0.113	0.227	0.317	0.408	0.680	1.360	2.267	3.174	4.081
30650	0.002	0.005	0.009	0.023	0.068	0.091	0.113	0.227	0.317	0.408	0.680	1.359	2.266	3.172	4.078
30660	0.002	0.005	0.009	0.023	0.068	0.091	0.113	0.226	0.317	0.408	0.679	1.359	2.264	3.170	4.076
30670	0.002	0.005	0.009	0.023	0.068	0.091	0.113	0.226	0.317	0.407	0.679	1.358	2.263	3.168	4.073
30680	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.226	0.317	0.407	0.678	1.357	2.262	3.166	4.071
30690	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.226	0.316	0.407	0.678	1.356	2.260	3.164	4.068
30700	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.226	0.316	0.407	0.678	1.355	2.259	3.162	4.066
30710	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.226	0.316	0.406	0.677	1.355	2.258	3.161	4.064
30720	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.226	0.316	0.406	0.677	1.354	2.256	3.159	4.061
30730	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.225	0.316	0.406	0.676	1.353	2.255	3.157	4.059
30740	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.225	0.315	0.406	0.676	1.352	2.253	3.155	4.056
30750	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.225	0.315	0.405	0.676	1.351	2.252	3.153	4.054
30760	0.002	0.005	0.009	0.023	0.068	0.090	0.113	0.225	0.315	0.405	0.675	1.350	2.251	3.151	4.051
30770	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.225	0.315	0.405	0.675	1.350	2.249	3.149	4.049
30780	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.225	0.315	0.405	0.674	1.349	2.248	3.147	4.046
30790	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.225	0.315	0.404	0.674	1.348	2.247	3.145	4.044
30800	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.225	0.314	0.404	0.674	1.347	2.245	3.143	4.042

30810	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.224	0.314	0.404	0.673	1.346	2.244	3.142	4.039
30820	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.224	0.314	0.404	0.673	1.346	2.243	3.140	4.037
30830	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.224	0.314	0.403	0.672	1.345	2.241	3.138	4.034
30840	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.224	0.314	0.403	0.672	1.344	2.240	3.136	4.032
30850	0.002	0.004	0.009	0.022	0.067	0.090	0.112	0.224	0.313	0.403	0.672	1.343	2.239	3.134	4.029
30860	0.002	0.004	0.009	0.022	0.067	0.089	0.112	0.224	0.313	0.403	0.671	1.342	2.237	3.132	4.027
30870	0.002	0.004	0.009	0.022	0.067	0.089	0.112	0.224	0.313	0.402	0.671	1.342	2.236	3.130	4.025
30880	0.002	0.004	0.009	0.022	0.067	0.089	0.112	0.223	0.313	0.402	0.670	1.341	2.234	3.128	4.022
30890	0.002	0.004	0.009	0.022	0.067	0.089	0.112	0.223	0.313	0.402	0.670	1.340	2.233	3.126	4.020
30900	0.002	0.004	0.009	0.022	0.067	0.089	0.112	0.223	0.312	0.402	0.670	1.339	2.232	3.125	4.017
30910	0.002	0.004	0.009	0.022	0.067	0.089	0.112	0.223	0.312	0.401	0.669	1.338	2.230	3.123	4.015
30920	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.223	0.312	0.401	0.669	1.337	2.229	3.121	4.012
30930	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.223	0.312	0.401	0.668	1.337	2.228	3.119	4.010
30940	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.223	0.312	0.401	0.668	1.336	2.226	3.117	4.008
30950	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.223	0.312	0.401	0.668	1.335	2.225	3.115	4.005
30960	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.222	0.311	0.400	0.667	1.334	2.224	3.113	4.003
30970	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.222	0.311	0.400	0.667	1.333	2.222	3.111	4.000
30980	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.222	0.311	0.400	0.666	1.333	2.221	3.109	3.998
30990	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.222	0.311	0.400	0.666	1.332	2.220	3.108	3.995
31000	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.222	0.311	0.399	0.666	1.331	2.218	3.106	3.993
31010	0.002	0.004	0.009	0.022	0.067	0.089	0.111	0.222	0.310	0.399	0.665	1.330	2.217	3.104	3.991
31020	0.002	0.004	0.009	0.022	0.066	0.089	0.111	0.222	0.310	0.399	0.665	1.329	2.216	3.102	3.988
31030	0.002	0.004	0.009	0.022	0.066	0.089	0.111	0.221	0.310	0.399	0.664	1.329	2.214	3.100	3.986
31040	0.002	0.004	0.009	0.022	0.066	0.089	0.111	0.221	0.310	0.398	0.664	1.328	2.213	3.098	3.983
31050	0.002	0.004	0.009	0.022	0.066	0.088	0.111	0.221	0.310	0.398	0.663	1.327	2.212	3.096	3.981
31060	0.002	0.004	0.009	0.022	0.066	0.088	0.111	0.221	0.309	0.398	0.663	1.326	2.210	3.094	3.979
31070	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.221	0.309	0.398	0.663	1.325	2.209	3.093	3.976
31080	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.221	0.309	0.397	0.662	1.325	2.208	3.091	3.974
31090	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.221	0.309	0.397	0.662	1.324	2.206	3.089	3.971
31100	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.309	0.397	0.661	1.323	2.205	3.087	3.969

31110	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.309	0.397	0.661	1.322	2.204	3.085	3.967
31120	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.308	0.396	0.661	1.321	2.202	3.083	3.964
31130	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.308	0.396	0.660	1.321	2.201	3.081	3.962
31140	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.308	0.396	0.660	1.320	2.200	3.079	3.959
31150	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.308	0.396	0.659	1.319	2.198	3.078	3.957
31160	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.308	0.395	0.659	1.318	2.197	3.076	3.955
31170	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.220	0.307	0.395	0.659	1.317	2.196	3.074	3.952
31180	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.219	0.307	0.395	0.658	1.317	2.194	3.072	3.950
31190	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.219	0.307	0.395	0.658	1.316	2.193	3.070	3.947
31200	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.219	0.307	0.394	0.657	1.315	2.192	3.068	3.945
31210	0.002	0.004	0.009	0.022	0.066	0.088	0.110	0.219	0.307	0.394	0.657	1.314	2.190	3.066	3.943
31220	0.002	0.004	0.009	0.022	0.066	0.088	0.109	0.219	0.306	0.394	0.657	1.313	2.189	3.065	3.940
31230	0.002	0.004	0.009	0.022	0.066	0.088	0.109	0.219	0.306	0.394	0.656	1.313	2.188	3.063	3.938
31240	0.002	0.004	0.009	0.022	0.066	0.087	0.109	0.219	0.306	0.394	0.656	1.312	2.186	3.061	3.935
31250	0.002	0.004	0.009	0.022	0.066	0.087	0.109	0.219	0.306	0.393	0.656	1.311	2.185	3.059	3.933
31260	0.002	0.004	0.009	0.022	0.066	0.087	0.109	0.218	0.306	0.393	0.655	1.310	2.184	3.057	3.931
31270	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.218	0.306	0.393	0.655	1.309	2.182	3.055	3.928
31280	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.218	0.305	0.393	0.654	1.309	2.181	3.053	3.926
31290	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.218	0.305	0.392	0.654	1.308	2.180	3.052	3.923
31300	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.218	0.305	0.392	0.654	1.307	2.178	3.050	3.921
31310	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.218	0.305	0.392	0.653	1.306	2.177	3.048	3.919
31320	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.218	0.305	0.392	0.653	1.305	2.176	3.046	3.916
31330	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.217	0.304	0.391	0.652	1.305	2.174	3.044	3.914
31340	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.217	0.304	0.391	0.652	1.304	2.173	3.042	3.912
31350	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.217	0.304	0.391	0.652	1.303	2.172	3.040	3.909
31360	0.002	0.004	0.009	0.022	0.065	0.087	0.109	0.217	0.304	0.391	0.651	1.302	2.170	3.039	3.907
31370	0.002	0.004	0.009	0.022	0.065	0.087	0.108	0.217	0.304	0.390	0.651	1.301	2.169	3.037	3.904
31380	0.002	0.004	0.009	0.022	0.065	0.087	0.108	0.217	0.303	0.390	0.650	1.301	2.168	3.035	3.902
31390	0.002	0.004	0.009	0.022	0.065	0.087	0.108	0.217	0.303	0.390	0.650	1.300	2.167	3.033	3.900
31400	0.002	0.004	0.009	0.022	0.065	0.087	0.108	0.217	0.303	0.390	0.650	1.299	2.165	3.031	3.897

31410	0.002	0.004	0.009	0.022	0.065	0.087	0.108	0.216	0.303	0.389	0.649	1.298	2.164	3.029	3.895
31420	0.002	0.004	0.009	0.022	0.065	0.087	0.108	0.216	0.303	0.389	0.649	1.298	2.163	3.028	3.893
31430	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.216	0.303	0.389	0.648	1.297	2.161	3.026	3.890
31440	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.216	0.302	0.389	0.648	1.296	2.160	3.024	3.888
31450	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.216	0.302	0.389	0.648	1.295	2.159	3.022	3.885
31460	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.216	0.302	0.388	0.647	1.294	2.157	3.020	3.883
31470	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.216	0.302	0.388	0.647	1.294	2.156	3.018	3.881
31480	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.215	0.302	0.388	0.646	1.293	2.155	3.017	3.878
31490	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.215	0.301	0.388	0.646	1.292	2.153	3.015	3.876
31500	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.215	0.301	0.387	0.646	1.291	2.152	3.013	3.874
31510	0.002	0.004	0.009	0.022	0.065	0.086	0.108	0.215	0.301	0.387	0.645	1.290	2.151	3.011	3.871
31520	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.215	0.301	0.387	0.645	1.290	2.149	3.009	3.869
31530	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.215	0.301	0.387	0.644	1.289	2.148	3.007	3.867
31540	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.215	0.301	0.386	0.644	1.288	2.147	3.006	3.864
31550	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.215	0.300	0.386	0.644	1.287	2.145	3.004	3.862
31560	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.214	0.300	0.386	0.643	1.287	2.144	3.002	3.860
31570	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.214	0.300	0.386	0.643	1.286	2.143	3.000	3.857
31580	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.214	0.300	0.385	0.642	1.285	2.142	2.998	3.855
31590	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.214	0.300	0.385	0.642	1.284	2.140	2.996	3.852
31600	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.214	0.299	0.385	0.642	1.283	2.139	2.995	3.850
31610	0.002	0.004	0.009	0.021	0.064	0.086	0.107	0.214	0.299	0.385	0.641	1.283	2.138	2.993	3.848
31620	0.002	0.004	0.009	0.021	0.064	0.085	0.107	0.214	0.299	0.385	0.641	1.282	2.136	2.991	3.845
31630	0.002	0.004	0.009	0.021	0.064	0.085	0.107	0.214	0.299	0.384	0.641	1.281	2.135	2.989	3.843
31640	0.002	0.004	0.009	0.021	0.064	0.085	0.107	0.213	0.299	0.384	0.640	1.280	2.134	2.987	3.841
31650	0.002	0.004	0.009	0.021	0.064	0.085	0.107	0.213	0.299	0.384	0.640	1.279	2.132	2.985	3.838
31660	0.002	0.004	0.009	0.021	0.064	0.085	0.107	0.213	0.298	0.384	0.639	1.279	2.131	2.984	3.836
31670	0.002	0.004	0.009	0.021	0.064	0.085	0.106	0.213	0.298	0.383	0.639	1.278	2.130	2.982	3.834
31680	0.002	0.004	0.009	0.021	0.064	0.085	0.106	0.213	0.298	0.383	0.639	1.277	2.129	2.980	3.831
31690	0.002	0.004	0.009	0.021	0.064	0.085	0.106	0.213	0.298	0.383	0.638	1.276	2.127	2.978	3.829
31700	0.002	0.004	0.009	0.021	0.064	0.085	0.106	0.213	0.298	0.383	0.638	1.276	2.126	2.976	3.827

0.002	0.004	0.008	0.021	0.064	0.085	0.106	0.212	0.297	0.382	0.637	1.275	2.125	2.974	3.824
0.002	0.004	0.008	0.021	0.064	0.085	0.106	0.212	0.297	0.382	0.637	1.274	2.123	2.973	3.822
0.002	0.004	0.008	0.021	0.064	0.085	0.106	0.212	0.297	0.382	0.637	1.273	2.122	2.971	3.820
0.002	0.004	0.008	0.021	0.064	0.085	0.106	0.212	0.297	0.382	0.636	1.272	2.121	2.969	3.817
0.002	0.004	0.008	0.021	0.064	0.085	0.106	0.212	0.297	0.382	0.636	1.272	2.119	2.967	3.815
0.002	0.004	0.008	0.021	0.064	0.085	0.106	0.212	0.297	0.381	0.635	1.271	2.118	2.965	3.813
0.002	0.004	0.008	0.021	0.064	0.085	0.106	0.212	0.296	0.381	0.635	1.270	2.117	2.964	3.810
0.002	0.004	0.008	0.021	0.063	0.085	0.106	0.212	0.296	0.381	0.635	1.269	2.116	2.962	3.808
0.002	0.004	0.008	0.021	0.063	0.085	0.106	0.211	0.296	0.381	0.634	1.269	2.114	2.960	3.806
0.002	0.004	0.008	0.021	0.063	0.085	0.106	0.211	0.296	0.380	0.634	1.268	2.113	2.958	3.803
0.002	0.004	0.008	0.021	0.063	0.084	0.106	0.211	0.296	0.380	0.634	1.267	2.112	2.956	3.801
0.002	0.004	0.008	0.021	0.063	0.084	0.106	0.211	0.295	0.380	0.633	1.266	2.110	2.955	3.799
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.211	0.295	0.380	0.633	1.265	2.109	2.953	3.796
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.211	0.295	0.379	0.632	1.265	2.108	2.951	3.794
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.211	0.295	0.379	0.632	1.264	2.107	2.949	3.792
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.211	0.295	0.379	0.632	1.263	2.105	2.947	3.789
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.210	0.295	0.379	0.631	1.262	2.104	2.946	3.787
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.210	0.294	0.378	0.631	1.262	2.103	2.944	3.785
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.210	0.294	0.378	0.630	1.261	2.101	2.942	3.782
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.210	0.294	0.378	0.630	1.260	2.100	2.940	3.780
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.210	0.294	0.378	0.630	1.259	2.099	2.938	3.778
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.210	0.294	0.378	0.629	1.258	2.097	2.936	3.775
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.210	0.293	0.377	0.629	1.258	2.096	2.935	3.773
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.209	0.293	0.377	0.628	1.257	2.095	2.933	3.771
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.209	0.293	0.377	0.628	1.256	2.094	2.931	3.769
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.209	0.293	0.377	0.628	1.255	2.092	2.929	3.766
0.002	0.004	0.008	0.021	0.063	0.084	0.105	0.209	0.293	0.376	0.627	1.255	2.091	2.927	3.764
0.002	0.004	0.008	0.021	0.063	0.084	0.104	0.209	0.293	0.376	0.627	1.254	2.090	2.926	3.762
0.002	0.004	0.008	0.021	0.063	0.084	0.104	0.209	0.292	0.376	0.627	1.253	2.088	2.924	3.759
0.002	0.004	0.008	0.021	0.063	0.083	0.104	0.209	0.292	0.376	0.626	1.252	2.087	2.922	3.757
	0.002 0.002	0.002 0.004 0.	0.002 0.004 0.008 0.002 0.004 0.008 <td< td=""><td>0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.004 0.008 0.021 0.002 0.</td><td>0.002 0.004 0.008 0.021 0.064 0.002 0.004 0.008 0.021 0.064 0.002 0.004 0.008 0.021 0.064 0.002 0.004 0.008 0.021 0.064 0.002 0.004 0.008 0.021 0.064 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002 0.004 0.008 0.021 0.063 0.002</td><td>0.002 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32010	0.002	0.004	0.008	0.021	0.063	0.083	0.104	0.209	0.292	0.375	0.626	1.252	2.086	2.920	3.755
32020	0.002	0.004	0.008	0.021	0.063	0.083	0.104	0.208	0.292	0.375	0.625	1.251	2.085	2.919	3.752
32030	0.002	0.004	0.008	0.021	0.063	0.083	0.104	0.208	0.292	0.375	0.625	1.250	2.083	2.917	3.750
32040	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.208	0.291	0.375	0.625	1.249	2.082	2.915	3.748
32050	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.208	0.291	0.375	0.624	1.248	2.081	2.913	3.745
32060	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.208	0.291	0.374	0.624	1.248	2.080	2.911	3.743
32070	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.208	0.291	0.374	0.623	1.247	2.078	2.910	3.741
32080	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.208	0.291	0.374	0.623	1.246	2.077	2.908	3.739
32090	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.208	0.291	0.374	0.623	1.245	2.076	2.906	3.736
32100	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.207	0.290	0.373	0.622	1.245	2.074	2.904	3.734
32110	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.207	0.290	0.373	0.622	1.244	2.073	2.902	3.732
32120	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.207	0.290	0.373	0.622	1.243	2.072	2.901	3.729
32130	0.002	0.004	0.008	0.021	0.062	0.083	0.104	0.207	0.290	0.373	0.621	1.242	2.071	2.899	3.727
32140	0.002	0.004	0.008	0.021	0.062	0.083	0.103	0.207	0.290	0.372	0.621	1.242	2.069	2.897	3.725
32150	0.002	0.004	0.008	0.021	0.062	0.083	0.103	0.207	0.290	0.372	0.620	1.241	2.068	2.895	3.722
32160	0.002	0.004	0.008	0.021	0.062	0.083	0.103	0.207	0.289	0.372	0.620	1.240	2.067	2.893	3.720
32170	0.002	0.004	0.008	0.021	0.062	0.083	0.103	0.207	0.289	0.372	0.620	1.239	2.066	2.892	3.718
32180	0.002	0.004	0.008	0.021	0.062	0.083	0.103	0.206	0.289	0.372	0.619	1.239	2.064	2.890	3.716
32190	0.002	0.004	0.008	0.021	0.062	0.083	0.103	0.206	0.289	0.371	0.619	1.238	2.063	2.888	3.713
32200	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.206	0.289	0.371	0.619	1.237	2.062	2.886	3.711
32210	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.206	0.288	0.371	0.618	1.236	2.060	2.885	3.709
32220	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.206	0.288	0.371	0.618	1.235	2.059	2.883	3.706
32230	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.206	0.288	0.370	0.617	1.235	2.058	2.881	3.704
32240	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.206	0.288	0.370	0.617	1.234	2.057	2.879	3.702
32250	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.206	0.288	0.370	0.617	1.233	2.055	2.877	3.700
32260	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.205	0.288	0.370	0.616	1.232	2.054	2.876	3.697
32270	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.205	0.287	0.370	0.616	1.232	2.053	2.874	3.695
32280	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.205	0.287	0.369	0.615	1.231	2.052	2.872	3.693
32290	0.002	0.004	0.008	0.021	0.062	0.082	0.103	0.205	0.287	0.369	0.615	1.230	2.050	2.870	3.690
32300	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.205	0.287	0.369	0.615	1.229	2.049	2.869	3.688

32310	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.205	0.287	0.369	0.614	1.229	2.048	2.867	3.686
32320	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.205	0.287	0.368	0.614	1.228	2.046	2.865	3.684
32330	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.205	0.286	0.368	0.614	1.227	2.045	2.863	3.681
32340	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.204	0.286	0.368	0.613	1.226	2.044	2.862	3.679
32350	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.204	0.286	0.368	0.613	1.226	2.043	2.860	3.677
32360	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.204	0.286	0.367	0.612	1.225	2.041	2.858	3.675
32370	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.204	0.286	0.367	0.612	1.224	2.040	2.856	3.672
32380	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.204	0.285	0.367	0.612	1.223	2.039	2.854	3.670
32390	0.002	0.004	0.008	0.020	0.061	0.082	0.102	0.204	0.285	0.367	0.611	1.223	2.038	2.853	3.668
32400	0.002	0.004	0.008	0.020	0.061	0.081	0.102	0.204	0.285	0.367	0.611	1.222	2.036	2.851	3.665
32410	0.002	0.004	0.008	0.020	0.061	0.081	0.102	0.204	0.285	0.366	0.611	1.221	2.035	2.849	3.663
32420	0.002	0.004	0.008	0.020	0.061	0.081	0.102	0.203	0.285	0.366	0.610	1.220	2.034	2.847	3.661
32430	0.002	0.004	0.008	0.020	0.061	0.081	0.102	0.203	0.285	0.366	0.610	1.220	2.033	2.846	3.659
32440	0.002	0.004	0.008	0.020	0.061	0.081	0.102	0.203	0.284	0.366	0.609	1.219	2.031	2.844	3.656
32450	0.002	0.004	0.008	0.020	0.061	0.081	0.102	0.203	0.284	0.365	0.609	1.218	2.030	2.842	3.654
32460	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.203	0.284	0.365	0.609	1.217	2.029	2.840	3.652
32470	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.203	0.284	0.365	0.608	1.217	2.028	2.839	3.650
32480	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.203	0.284	0.365	0.608	1.216	2.026	2.837	3.647
32490	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.203	0.284	0.365	0.608	1.215	2.025	2.835	3.645
32500	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.202	0.283	0.364	0.607	1.214	2.024	2.833	3.643
32510	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.202	0.283	0.364	0.607	1.214	2.023	2.832	3.641
32520	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.202	0.283	0.364	0.606	1.213	2.021	2.830	3.638
32530	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.202	0.283	0.364	0.606	1.212	2.020	2.828	3.636
32540	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.202	0.283	0.363	0.606	1.211	2.019	2.826	3.634
32550	0.002	0.004	0.008	0.020	0.061	0.081	0.101	0.202	0.282	0.363	0.605	1.211	2.018	2.825	3.632
32560	0.002	0.004	0.008	0.020	0.060	0.081	0.101	0.202	0.282	0.363	0.605	1.210	2.016	2.823	3.629
32570	0.002	0.004	0.008	0.020	0.060	0.081	0.101	0.202	0.282	0.363	0.605	1.209	2.015	2.821	3.627
32580	0.002	0.004	0.008	0.020	0.060	0.081	0.101	0.201	0.282	0.362	0.604	1.208	2.014	2.819	3.625
32590	0.002	0.004	0.008	0.020	0.060	0.081	0.101	0.201	0.282	0.362	0.604	1.208	2.013	2.818	3.623
32600	0.002	0.004	0.008	0.020	0.060	0.080	0.101	0.201	0.282	0.362	0.603	1.207	2.011	2.816	3.620

32610	0.002	0.004	0.008	0.020	0.060	0.080	0.101	0.201	0).281	0.362	0.603	1.206	2.010	2.814	3.618
32620	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.201	0	.281	0.362	0.603	1.205	2.009	2.812	3.616
32630	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.201	0	.281	0.361	0.602	1.205	2.008	2.811	3.614
32640	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.201	0	.281	0.361	0.602	1.204	2.006	2.809	3.611
32650	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.201	0	.281	0.361	0.602	1.203	2.005	2.807	3.609
32660	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0	.281	0.361	0.601	1.202	2.004	2.805	3.607
32670	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0	.280	0.360	0.601	1.202	2.003	2.804	3.605
32680	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0	.280	0.360	0.600	1.201	2.001	2.802	3.602
32690	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0	.280	0.360	0.600	1.200	2.000	2.800	3.600
32700	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0).280	0.360	0.600	1.199	1.999	2.798	3.598
32710	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0).280	0.360	0.599	1.199	1.998	2.797	3.596
32720	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0).279	0.359	0.599	1.198	1.996	2.795	3.593
32730	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.200	0).279	0.359	0.599	1.197	1.995	2.793	3.591
32740	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.199	0).279	0.359	0.598	1.196	1.994	2.791	3.589
32750	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.199).279	0.359	0.598	1.196	1.993	2.790	3.587
32760	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.199).279	0.358	0.597	1.195	1.991	2.788	3.585
32770	0.002	0.004	0.008	0.020	0.060	0.080	0.100	0.199).279	0.358	0.597	1.194	1.990	2.786	3.582
32780	0.002	0.004	0.008	0.020	0.060	0.080	0.099	0.199).278	0.358	0.597	1.193	1.989	2.784	3.580
32790	0.002	0.004	0.008	0.020	0.060	0.080	0.099	0.199).278	0.358	0.596	1.193	1.988	2.783	3.578
32800	0.002	0.004	0.008	0.020	0.060	0.079	0.099	0.199).278	0.358	0.596	1.192	1.986	2.781	3.576
32810	0.002	0.004	0.008	0.020	0.060	0.079	0.099	0.199).278	0.357	0.596	1.191	1.985	2.779	3.573
32820	0.002	0.004	0.008	0.020	0.060	0.079	0.099	0.198).278	0.357	0.595	1.190	1.984	2.778	3.571
32830	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.198).278	0.357	0.595	1.190	1.983	2.776	3.569
32840	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.198).277	0.357	0.594	1.189	1.981	2.774	3.567
32850	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.198).277	0.356	0.594	1.188	1.980	2.772	3.564
32860	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.198).277	0.356	0.594	1.187	1.979	2.771	3.562
32870	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.198).277	0.356	0.593	1.187	1.978	2.769	3.560
32880	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.198).277	0.356	0.593	1.186	1.977	2.767	3.558
32890	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.198).277	0.356	0.593	1.185	1.975	2.765	3.556
32900	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.197	0).276	0.355	0.592	1.184	1.974	2.764	3.553

32910	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.197	0.276	0.355	0.592	1.184	1.973	2.762	3.551
32920	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.197	0.276	0.355	0.591	1.183	1.972	2.760	3.549
32930	0.002	0.004	0.008	0.020	0.059	0.079	0.099	0.197	0.276	0.355	0.591	1.182	1.970	2.759	3.547
32940	0.002	0.004	0.008	0.020	0.059	0.079	0.098	0.197	0.276	0.354	0.591	1.181	1.969	2.757	3.544
32950	0.002	0.004	0.008	0.020	0.059	0.079	0.098	0.197	0.276	0.354	0.590	1.181	1.968	2.755	3.542
32960	0.002	0.004	0.008	0.020	0.059	0.079	0.098	0.197	0.275	0.354	0.590	1.180	1.967	2.753	3.540
32970	0.002	0.004	0.008	0.020	0.059	0.079	0.098	0.197	0.275	0.354	0.590	1.179	1.965	2.752	3.538
32980	0.002	0.004	0.008	0.020	0.059	0.079	0.098	0.196	0.275	0.354	0.589	1.179	1.964	2.750	3.536
32990	0.002	0.004	0.008	0.020	0.059	0.079	0.098	0.196	0.275	0.353	0.589	1.178	1.963	2.748	3.533
33000	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.196	0.275	0.353	0.589	1.177	1.962	2.747	3.531
33010	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.196	0.274	0.353	0.588	1.176	1.961	2.745	3.529
33020	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.196	0.274	0.353	0.588	1.176	1.959	2.743	3.527
33030	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.196	0.274	0.352	0.587	1.175	1.958	2.741	3.525
33040	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.196	0.274	0.352	0.587	1.174	1.957	2.740	3.522
33050	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.196	0.274	0.352	0.587	1.173	1.956	2.738	3.520
33060	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.195	0.274	0.352	0.586	1.173	1.954	2.736	3.518
33070	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.195	0.273	0.352	0.586	1.172	1.953	2.734	3.516
33080	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.195	0.273	0.351	0.586	1.171	1.952	2.733	3.514
33090	0.002	0.004	0.008	0.020	0.059	0.078	0.098	0.195	0.273	0.351	0.585	1.170	1.951	2.731	3.511
33100	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.195	0.273	0.351	0.585	1.170	1.950	2.729	3.509
33110	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.195	0.273	0.351	0.584	1.169	1.948	2.728	3.507
33120	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.195	0.273	0.350	0.584	1.168	1.947	2.726	3.505
33130	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.195	0.272	0.350	0.584	1.168	1.946	2.724	3.503
33140	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.194	0.272	0.350	0.583	1.167	1.945	2.723	3.500
33150	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.194	0.272	0.350	0.583	1.166	1.943	2.721	3.498
33160	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.194	0.272	0.350	0.583	1.165	1.942	2.719	3.496
33170	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.194	0.272	0.349	0.582	1.165	1.941	2.717	3.494
33180	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.194	0.272	0.349	0.582	1.164	1.940	2.716	3.492
33190	0.002	0.004	0.008	0.019	0.058	0.078	0.097	0.194	0.271	0.349	0.582	1.163	1.939	2.714	3.489
33200	0.002	0.004	0.008	0.019	0.058	0.077	0.097	0.194	0.271	0.349	0.581	1.162	1.937	2.712	3.487

33210	0.002	0.004	0.008	0.019	0.058	0.077	0.097	0.194	0.271	0.349	0.581	1.162	1.936	2.711	3.485
33220	0.002	0.004	0.008	0.019	0.058	0.077	0.097	0.193	0.271	0.348	0.580	1.161	1.935	2.709	3.483
33230	0.002	0.004	0.008	0.019	0.058	0.077	0.097	0.193	0.271	0.348	0.580	1.160	1.934	2.707	3.481
33240	0.002	0.004	0.008	0.019	0.058	0.077	0.097	0.193	0.271	0.348	0.580	1.159	1.932	2.705	3.478
33250	0.002	0.004	0.008	0.019	0.058	0.077	0.097	0.193	0.270	0.348	0.579	1.159	1.931	2.704	3.476
33260	0.002	0.004	0.008	0.019	0.058	0.077	0.097	0.193	0.270	0.347	0.579	1.158	1.930	2.702	3.474
33270	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.193	0.270	0.347	0.579	1.157	1.929	2.700	3.472
33280	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.193	0.270	0.347	0.578	1.157	1.928	2.699	3.470
33290	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.193	0.270	0.347	0.578	1.156	1.926	2.697	3.468
33300	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.193	0.270	0.347	0.578	1.155	1.925	2.695	3.465
33310	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.192	0.269	0.346	0.577	1.154	1.924	2.694	3.463
33320	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.192	0.269	0.346	0.577	1.154	1.923	2.692	3.461
33330	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.192	0.269	0.346	0.576	1.153	1.922	2.690	3.459
33340	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.192	0.269	0.346	0.576	1.152	1.920	2.689	3.457
33350	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.192	0.269	0.345	0.576	1.151	1.919	2.687	3.454
33360	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.192	0.269	0.345	0.575	1.151	1.918	2.685	3.452
33370	0.002	0.004	0.008	0.019	0.058	0.077	0.096	0.192	0.268	0.345	0.575	1.150	1.917	2.683	3.450
33380	0.002	0.004	0.008	0.019	0.057	0.077	0.096	0.192	0.268	0.345	0.575	1.149	1.916	2.682	3.448
33390	0.002	0.004	0.008	0.019	0.057	0.077	0.096	0.191	0.268	0.345	0.574	1.149	1.914	2.680	3.446
33400	0.002	0.004	0.008	0.019	0.057	0.077	0.096	0.191	0.268	0.344	0.574	1.148	1.913	2.678	3.444
33410	0.002	0.004	0.008	0.019	0.057	0.076	0.096	0.191	0.268	0.344	0.574	1.147	1.912	2.677	3.441
33420	0.002	0.004	0.008	0.019	0.057	0.076	0.096	0.191	0.268	0.344	0.573	1.146	1.911	2.675	3.439
33430	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.191	0.267	0.344	0.573	1.146	1.910	2.673	3.437
33440	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.191	0.267	0.343	0.572	1.145	1.908	2.672	3.435
33450	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.191	0.267	0.343	0.572	1.144	1.907	2.670	3.433
33460	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.191	0.267	0.343	0.572	1.144	1.906	2.668	3.431
33470	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.267	0.343	0.571	1.143	1.905	2.667	3.428
33480	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.266	0.343	0.571	1.142	1.903	2.665	3.426
33490	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.266	0.342	0.571	1.141	1.902	2.663	3.424
33500	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.266	0.342	0.570	1.141	1.901	2.662	3.422

33510	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.266	0.342	0.570	1.140	1.900	2.660	3.420
33520	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.266	0.342	0.570	1.139	1.899	2.658	3.420
33530	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.266	0.342	0.569	1.138	1.897	2.656	3.415
33540	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.265	0.341	0.569	1.138	1.896	2.655	3.413
33550	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.190	0.265	0.341	0.569	1.137	1.895	2.653	3.411
33560	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.189	0.265	0.341	0.568	1.136	1.894	2.651	3.409
33570	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.189	0.265	0.341	0.568	1.136	1.893	2.650	3.407
33580	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.189	0.265	0.340	0.567	1.135	1.892	2.648	3.405
33590	0.002	0.004	0.008	0.019	0.057	0.076	0.095	0.189	0.265	0.340	0.567	1.134	1.890	2.646	3.403
33600	0.002	0.004	0.008	0.019	0.057	0.076	0.094	0.189	0.264	0.340	0.567	1.133	1.889	2.645	3.400
33610	0.002	0.004	0.008	0.019	0.057	0.076	0.094	0.189	0.264	0.340	0.566	1.133	1.888	2.643	3.398
33620	0.002	0.004	0.008	0.019	0.057	0.075	0.094	0.189	0.264	0.340	0.566	1.132	1.887	2.641	3.396
33630	0.002	0.004	0.008	0.019	0.057	0.075	0.094	0.189	0.264	0.339	0.566	1.131	1.886	2.640	3.394
33640	0.002	0.004	0.008	0.019	0.057	0.075	0.094	0.188	0.264	0.339	0.565	1.131	1.884	2.638	3.392
33650	0.002	0.004	0.008	0.019	0.056	0.075	0.094	0.188	0.264	0.339	0.565	1.130	1.883	2.636	3.390
33660	0.002	0.004	0.008	0.019	0.056	0.075	0.094	0.188	0.263	0.339	0.565	1.129	1.882	2.635	3.387
33670	0.002	0.004	0.008	0.019	0.056	0.075	0.094	0.188	0.263	0.339	0.564	1.128	1.881	2.633	3.385
33680	0.002	0.004	0.008	0.019	0.056	0.075	0.094	0.188	0.263	0.338	0.564	1.128	1.880	2.631	3.383
33690	0.002	0.004	0.008	0.019	0.056	0.075	0.094	0.188	0.263	0.338	0.564	1.127	1.878	2.630	3.381
33700	0.002	0.004	0.008	0.019	0.056	0.075	0.094	0.188	0.263	0.338	0.563	1.126	1.877	2.628	3.379
33710	0.002	0.004	0.008	0.019	0.056	0.075	0.094	0.188	0.263	0.338	0.563	1.126	1.876	2.626	3.377
33720	0.001	0.004	0.007	0.019	0.056	0.075	0.094	0.187	0.262	0.337	0.562	1.125	1.875	2.625	3.375
33730	0.001	0.004	0.007	0.019	0.056	0.075	0.094	0.187	0.262	0.337	0.562	1.124	1.874	2.623	3.372
33740	0.001	0.004	0.007	0.019	0.056	0.075	0.094	0.187	0.262	0.337	0.562	1.123	1.872	2.621	3.370
33750	0.001	0.004	0.007	0.019	0.056	0.075	0.094	0.187	0.262	0.337	0.561	1.123	1.871	2.620	3.368
33760	0.001	0.004	0.007	0.019	0.056	0.075	0.094	0.187	0.262	0.337	0.561	1.122	1.870	2.618	3.366
33770	0.001	0.004	0.007	0.019	0.056	0.075	0.093	0.187	0.262	0.336	0.561	1.121	1.869	2.616	3.364
33780	0.001	0.004	0.007	0.019	0.056	0.075	0.093	0.187	0.261	0.336	0.560	1.121	1.868	2.615	3.362
33790	0.001	0.004	0.007	0.019	0.056	0.075	0.093	0.187	0.261	0.336	0.560	1.120	1.866	2.613	3.360
33,30	0.001	0.007	0.007	0.015	0.050	0.075	0.055	0.107	0.201	0.550	3.300	1.120	1.000	2.015	3.300

0.187

0.261

0.336

0.560

1.119

1.865

2.611

3.358

0.093

33800

0.001

0.004

0.007

0.019

0.056

0.075

33810	0.001	0.004	0.007	0.019	0.056	0.075	0.093	0.186	0.261	0.336	0.559	1.118	1.864	2.610	3.355
33820	0.001	0.004	0.007	0.019	0.056	0.075	0.093	0.186	0.261	0.335	0.559	1.118	1.863	2.608	3.353
33830	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.186	0.261	0.335	0.559	1.117	1.862	2.606	3.351
33840	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.186	0.260	0.335	0.558	1.116	1.861	2.605	3.349
33850	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.186	0.260	0.335	0.558	1.116	1.859	2.603	3.347
33860	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.186	0.260	0.334	0.557	1.115	1.858	2.601	3.345
33870	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.186	0.260	0.334	0.557	1.114	1.857	2.600	3.343
33880	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.186	0.260	0.334	0.557	1.113	1.856	2.598	3.340
33890	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.185	0.260	0.334	0.556	1.113	1.855	2.597	3.338
33900	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.185	0.259	0.334	0.556	1.112	1.853	2.595	3.336
33910	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.185	0.259	0.333	0.556	1.111	1.852	2.593	3.334
33920	0.001	0.004	0.007	0.019	0.056	0.074	0.093	0.185	0.259	0.333	0.555	1.111	1.851	2.592	3.332
33930	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.185	0.259	0.333	0.555	1.110	1.850	2.590	3.330
33940	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.185	0.259	0.333	0.555	1.109	1.849	2.588	3.328
33950	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.185	0.259	0.333	0.554	1.109	1.848	2.587	3.326
33960	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.185	0.258	0.332	0.554	1.108	1.846	2.585	3.323
33970	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.185	0.258	0.332	0.554	1.107	1.845	2.583	3.321
33980	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.184	0.258	0.332	0.553	1.106	1.844	2.582	3.319
33990	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.184	0.258	0.332	0.553	1.106	1.843	2.580	3.317
34000	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.184	0.258	0.332	0.553	1.105	1.842	2.578	3.315
34010	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.184	0.258	0.331	0.552	1.104	1.841	2.577	3.313
34020	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.184	0.258	0.331	0.552	1.104	1.839	2.575	3.311
34030	0.001	0.004	0.007	0.018	0.055	0.074	0.092	0.184	0.257	0.331	0.551	1.103	1.838	2.573	3.309
34040	0.001	0.004	0.007	0.018	0.055	0.073	0.092	0.184	0.257	0.331	0.551	1.102	1.837	2.572	3.307
34050	0.001	0.004	0.007	0.018	0.055	0.073	0.092	0.184	0.257	0.330	0.551	1.101	1.836	2.570	3.304
34060	0.001	0.004	0.007	0.018	0.055	0.073	0.092	0.183	0.257	0.330	0.550	1.101	1.835	2.568	3.302
34070	0.001	0.004	0.007	0.018	0.055	0.073	0.092	0.183	0.257	0.330	0.550	1.100	1.833	2.567	3.300
34080	0.001	0.004	0.007	0.018	0.055	0.073	0.092	0.183	0.257	0.330	0.550	1.099	1.832	2.565	3.298
34090	0.001	0.004	0.007	0.018	0.055	0.073	0.092	0.183	0.256	0.330	0.549	1.099	1.831	2.564	3.296
34100	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.183	0.256	0.329	0.549	1.098	1.830	2.562	3.294

34110	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.183	0.256	0.329	0.549	1.097	1.829	2.560	3.292
34120	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.183	0.256	0.329	0.548	1.097	1.828	2.559	3.290
34130	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.183	0.256	0.329	0.548	1.096	1.826	2.557	3.288
34140	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.183	0.256	0.329	0.548	1.095	1.825	2.555	3.285
34150	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.182	0.255	0.328	0.547	1.094	1.824	2.554	3.283
34160	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.182	0.255	0.328	0.547	1.094	1.823	2.552	3.281
34170	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.182	0.255	0.328	0.547	1.093	1.822	2.550	3.279
34180	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.182	0.255	0.328	0.546	1.092	1.821	2.549	3.277
34190	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.182	0.255	0.327	0.546	1.092	1.819	2.547	3.275
34200	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.182	0.255	0.327	0.545	1.091	1.818	2.546	3.273
34210	0.001	0.004	0.007	0.018	0.055	0.073	0.091	0.182	0.254	0.327	0.545	1.090	1.817	2.544	3.271
34220	0.001	0.004	0.007	0.018	0.054	0.073	0.091	0.182	0.254	0.327	0.545	1.090	1.816	2.542	3.269
34230	0.001	0.004	0.007	0.018	0.054	0.073	0.091	0.181	0.254	0.327	0.544	1.089	1.815	2.541	3.267
34240	0.001	0.004	0.007	0.018	0.054	0.073	0.091	0.181	0.254	0.326	0.544	1.088	1.814	2.539	3.264
34250	0.001	0.004	0.007	0.018	0.054	0.072	0.091	0.181	0.254	0.326	0.544	1.087	1.812	2.537	3.262
34260	0.001	0.004	0.007	0.018	0.054	0.072	0.091	0.181	0.254	0.326	0.543	1.087	1.811	2.536	3.260
34270	0.001	0.004	0.007	0.018	0.054	0.072	0.091	0.181	0.253	0.326	0.543	1.086	1.810	2.534	3.258
34280	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.181	0.253	0.326	0.543	1.085	1.809	2.533	3.256
34290	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.181	0.253	0.325	0.542	1.085	1.808	2.531	3.254
34300	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.181	0.253	0.325	0.542	1.084	1.807	2.529	3.252
34310	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.181	0.253	0.325	0.542	1.083	1.805	2.528	3.250
34320	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.253	0.325	0.541	1.083	1.804	2.526	3.248
34330	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.252	0.325	0.541	1.082	1.803	2.524	3.246
34340	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.252	0.324	0.541	1.081	1.802	2.523	3.244
34350	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.252	0.324	0.540	1.080	1.801	2.521	3.241
34360	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.252	0.324	0.540	1.080	1.800	2.520	3.239
34370	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.252	0.324	0.540	1.079	1.799	2.518	3.237
34380	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.252	0.324	0.539	1.078	1.797	2.516	3.235
34390	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.251	0.323	0.539	1.078	1.796	2.515	3.233
34400	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.180	0.251	0.323	0.539	1.077	1.795	2.513	3.231

34410	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.179	0.251	0.323	0.538	1.076	1.794	2.511	3.229
34420	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.179	0.251	0.323	0.538	1.076	1.793	2.510	3.227
34430	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.179	0.251	0.322	0.537	1.075	1.792	2.508	3.225
34440	0.001	0.004	0.007	0.018	0.054	0.072	0.090	0.179	0.251	0.322	0.537	1.074	1.790	2.507	3.223
34450	0.001	0.004	0.007	0.018	0.054	0.072	0.089	0.179	0.250	0.322	0.537	1.074	1.789	2.505	3.221
34460	0.001	0.004	0.007	0.018	0.054	0.072	0.089	0.179	0.250	0.322	0.536	1.073	1.788	2.503	3.219
34470	0.001	0.004	0.007	0.018	0.054	0.071	0.089	0.179	0.250	0.322	0.536	1.072	1.787	2.502	3.217
34480	0.001	0.004	0.007	0.018	0.054	0.071	0.089	0.179	0.250	0.321	0.536	1.071	1.786	2.500	3.214
34490	0.001	0.004	0.007	0.018	0.054	0.071	0.089	0.178	0.250	0.321	0.535	1.071	1.785	2.499	3.212
34500	0.001	0.004	0.007	0.018	0.054	0.071	0.089	0.178	0.250	0.321	0.535	1.070	1.784	2.497	3.210
34510	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.178	0.250	0.321	0.535	1.069	1.782	2.495	3.208
34520	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.178	0.249	0.321	0.534	1.069	1.781	2.494	3.206
34530	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.178	0.249	0.320	0.534	1.068	1.780	2.492	3.204
34540	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.178	0.249	0.320	0.534	1.067	1.779	2.490	3.202
34550	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.178	0.249	0.320	0.533	1.067	1.778	2.489	3.200
34560	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.178	0.249	0.320	0.533	1.066	1.777	2.487	3.198
34570	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.178	0.249	0.320	0.533	1.065	1.775	2.486	3.196
34580	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.177	0.248	0.319	0.532	1.065	1.774	2.484	3.194
34590	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.177	0.248	0.319	0.532	1.064	1.773	2.482	3.192
34600	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.177	0.248	0.319	0.532	1.063	1.772	2.481	3.190
34610	0.001	0.004	0.007	0.018	0.053	0.071	0.089	0.177	0.248	0.319	0.531	1.063	1.771	2.479	3.188
34620	0.001	0.004	0.007	0.018	0.053	0.071	0.088	0.177	0.248	0.319	0.531	1.062	1.770	2.478	3.186
34630	0.001	0.004	0.007	0.018	0.053	0.071	0.088	0.177	0.248	0.318	0.531	1.061	1.769	2.476	3.183
34640	0.001	0.004	0.007	0.018	0.053	0.071	0.088	0.177	0.247	0.318	0.530	1.060	1.767	2.474	3.181
34650	0.001	0.004	0.007	0.018	0.053	0.071	0.088	0.177	0.247	0.318	0.530	1.060	1.766	2.473	3.179
34660	0.001	0.004	0.007	0.018	0.053	0.071	0.088	0.177	0.247	0.318	0.530	1.059	1.765	2.471	3.177
34670	0.001	0.004	0.007	0.018	0.053	0.071	0.088	0.176	0.247	0.318	0.529	1.058	1.764	2.470	3.175
34680	0.001	0.004	0.007	0.018	0.053	0.071	0.088	0.176	0.247	0.317	0.529	1.058	1.763	2.468	3.173
34690	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.176	0.247	0.317	0.529	1.057	1.762	2.466	3.171
34700	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.176	0.246	0.317	0.528	1.056	1.761	2.465	3.169

34710	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.176	0.246	0.317	0.528	1.056	1.759	2.463	3.167
34720	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.176	0.246	0.316	0.527	1.055	1.758	2.462	3.165
34730	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.176	0.246	0.316	0.527	1.054	1.757	2.460	3.163
34740	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.176	0.246	0.316	0.527	1.054	1.756	2.458	3.161
34750	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.175	0.246	0.316	0.526	1.053	1.755	2.457	3.159
34760	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.175	0.246	0.316	0.526	1.052	1.754	2.455	3.157
34770	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.175	0.245	0.315	0.526	1.052	1.753	2.454	3.155
34780	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.175	0.245	0.315	0.525	1.051	1.751	2.452	3.153
34790	0.001	0.004	0.007	0.018	0.053	0.070	0.088	0.175	0.245	0.315	0.525	1.050	1.750	2.450	3.151
34800	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.175	0.245	0.315	0.525	1.050	1.749	2.449	3.149
34810	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.175	0.245	0.315	0.524	1.049	1.748	2.447	3.146
34820	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.175	0.245	0.314	0.524	1.048	1.747	2.446	3.144
34830	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.175	0.244	0.314	0.524	1.047	1.746	2.444	3.142
34840	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.174	0.244	0.314	0.523	1.047	1.745	2.442	3.140
34850	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.174	0.244	0.314	0.523	1.046	1.744	2.441	3.138
34860	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.174	0.244	0.314	0.523	1.045	1.742	2.439	3.136
34870	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.174	0.244	0.313	0.522	1.045	1.741	2.438	3.134
34880	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.174	0.244	0.313	0.522	1.044	1.740	2.436	3.132
34890	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.174	0.243	0.313	0.522	1.043	1.739	2.435	3.130
34900	0.001	0.003	0.007	0.017	0.052	0.070	0.087	0.174	0.243	0.313	0.521	1.043	1.738	2.433	3.128
34910	0.001	0.003	0.007	0.017	0.052	0.069	0.087	0.174	0.243	0.313	0.521	1.042	1.737	2.431	3.126
34920	0.001	0.003	0.007	0.017	0.052	0.069	0.087	0.174	0.243	0.312	0.521	1.041	1.736	2.430	3.124
34930	0.001	0.003	0.007	0.017	0.052	0.069	0.087	0.173	0.243	0.312	0.520	1.041	1.734	2.428	3.122
34940	0.001	0.003	0.007	0.017	0.052	0.069	0.087	0.173	0.243	0.312	0.520	1.040	1.733	2.427	3.120
34950	0.001	0.003	0.007	0.017	0.052	0.069	0.087	0.173	0.243	0.312	0.520	1.039	1.732	2.425	3.118
34960	0.001	0.003	0.007	0.017	0.052	0.069	0.087	0.173	0.242	0.312	0.519	1.039	1.731	2.423	3.116
34970	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.173	0.242	0.311	0.519	1.038	1.730	2.422	3.114
34980	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.173	0.242	0.311	0.519	1.037	1.729	2.420	3.112
34990	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.173	0.242	0.311	0.518	1.037	1.728	2.419	3.110
35000	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.173	0.242	0.311	0.518	1.036	1.727	2.417	3.108

35010	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.173	0.242	0.311	0.518	1.035	1.725	2.416	3.106
35020	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.172	0.241	0.310	0.517	1.035	1.724	2.414	3.104
35030	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.172	0.241	0.310	0.517	1.034	1.723	2.412	3.102
35040	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.172	0.241	0.310	0.517	1.033	1.722	2.411	3.100
35050	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.172	0.241	0.310	0.516	1.033	1.721	2.409	3.098
35060	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.172	0.241	0.310	0.516	1.032	1.720	2.408	3.096
35070	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.172	0.241	0.309	0.516	1.031	1.719	2.406	3.094
35080	0.001	0.003	0.007	0.017	0.052	0.069	0.086	0.172	0.240	0.309	0.515	1.031	1.718	2.405	3.092
35090	0.001	0.003	0.007	0.017	0.051	0.069	0.086	0.172	0.240	0.309	0.515	1.030	1.716	2.403	3.090
35100	0.001	0.003	0.007	0.017	0.051	0.069	0.086	0.172	0.240	0.309	0.515	1.029	1.715	2.401	3.087
35110	0.001	0.003	0.007	0.017	0.051	0.069	0.086	0.171	0.240	0.309	0.514	1.028	1.714	2.400	3.085
35120	0.001	0.003	0.007	0.017	0.051	0.069	0.086	0.171	0.240	0.308	0.514	1.028	1.713	2.398	3.083
35130	0.001	0.003	0.007	0.017	0.051	0.068	0.086	0.171	0.240	0.308	0.514	1.027	1.712	2.397	3.081
35140	0.001	0.003	0.007	0.017	0.051	0.068	0.086	0.171	0.240	0.308	0.513	1.026	1.711	2.395	3.079
35150	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.171	0.239	0.308	0.513	1.026	1.710	2.394	3.077
35160	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.171	0.239	0.308	0.513	1.025	1.709	2.392	3.075
35170	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.171	0.239	0.307	0.512	1.024	1.707	2.390	3.073
35180	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.171	0.239	0.307	0.512	1.024	1.706	2.389	3.071
35190	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.171	0.239	0.307	0.512	1.023	1.705	2.387	3.069
35200	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.239	0.307	0.511	1.022	1.704	2.386	3.067
35210	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.238	0.307	0.511	1.022	1.703	2.384	3.065
35220	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.238	0.306	0.511	1.021	1.702	2.383	3.063
35230	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.238	0.306	0.510	1.020	1.701	2.381	3.061
35240	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.238	0.306	0.510	1.020	1.700	2.379	3.059
35250	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.238	0.306	0.510	1.019	1.698	2.378	3.057
35260	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.238	0.306	0.509	1.018	1.697	2.376	3.055
35270	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.237	0.305	0.509	1.018	1.696	2.375	3.053
35280	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.170	0.237	0.305	0.509	1.017	1.695	2.373	3.051
35290	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.169	0.237	0.305	0.508	1.016	1.694	2.372	3.049
35300	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.169	0.237	0.305	0.508	1.016	1.693	2.370	3.047

35310	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.169	0.237	0.305	0.508	1.015	1.692	2.369	3.045
35320	0.001	0.003	0.007	0.017	0.051	0.068	0.085	0.169	0.237	0.304	0.507	1.014	1.691	2.367	3.043
35330	0.001	0.003	0.007	0.017	0.051	0.068	0.084	0.169	0.237	0.304	0.507	1.014	1.690	2.365	3.041
35340	0.001	0.003	0.007	0.017	0.051	0.068	0.084	0.169	0.236	0.304	0.507	1.013	1.688	2.364	3.039
35350	0.001	0.003	0.007	0.017	0.051	0.067	0.084	0.169	0.236	0.304	0.506	1.012	1.687	2.362	3.037
35360	0.001	0.003	0.007	0.017	0.051	0.067	0.084	0.169	0.236	0.304	0.506	1.012	1.686	2.361	3.035
35370	0.001	0.003	0.007	0.017	0.051	0.067	0.084	0.169	0.236	0.303	0.506	1.011	1.685	2.359	3.033
35380	0.001	0.003	0.007	0.017	0.051	0.067	0.084	0.168	0.236	0.303	0.505	1.010	1.684	2.358	3.031
35390	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.236	0.303	0.505	1.010	1.683	2.356	3.029
35400	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.235	0.303	0.505	1.009	1.682	2.354	3.027
35410	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.235	0.303	0.504	1.008	1.681	2.353	3.025
35420	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.235	0.302	0.504	1.008	1.680	2.351	3.023
35430	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.235	0.302	0.504	1.007	1.678	2.350	3.021
35440	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.235	0.302	0.503	1.006	1.677	2.348	3.019
35450	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.235	0.302	0.503	1.006	1.676	2.347	3.017
35460	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.168	0.235	0.302	0.503	1.005	1.675	2.345	3.015
35470	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.167	0.234	0.301	0.502	1.004	1.674	2.344	3.013
35480	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.167	0.234	0.301	0.502	1.004	1.673	2.342	3.011
35490	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.167	0.234	0.301	0.502	1.003	1.672	2.341	3.009
35500	0.001	0.003	0.007	0.017	0.050	0.067	0.084	0.167	0.234	0.301	0.501	1.002	1.671	2.339	3.007
35510	0.001	0.003	0.007	0.017	0.050	0.067	0.083	0.167	0.234	0.301	0.501	1.002	1.670	2.337	3.005
35520	0.001	0.003	0.007	0.017	0.050	0.067	0.083	0.167	0.234	0.300	0.501	1.001	1.669	2.336	3.003
35530	0.001	0.003	0.007	0.017	0.050	0.067	0.083	0.167	0.233	0.300	0.500	1.000	1.667	2.334	3.001
35540	0.001	0.003	0.007	0.017	0.050	0.067	0.083	0.167	0.233	0.300	0.500	1.000	1.666	2.333	2.999
35550	0.001	0.003	0.007	0.017	0.050	0.067	0.083	0.167	0.233	0.300	0.500	0.999	1.665	2.331	2.997
35560	0.001	0.003	0.007	0.017	0.050	0.067	0.083	0.166	0.233	0.300	0.499	0.998	1.664	2.330	2.995
35570	0.001	0.003	0.007	0.017	0.050	0.067	0.083	0.166	0.233	0.299	0.499	0.998	1.663	2.328	2.993
35580	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.166	0.233	0.299	0.499	0.997	1.662	2.327	2.991
35590	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.166	0.233	0.299	0.498	0.996	1.661	2.325	2.989
35600	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.166	0.232	0.299	0.498	0.996	1.660	2.324	2.987

35610	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.166	0.232	0.299	0.498	0.995	1.659	2.322	2.985
35620	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.166	0.232	0.298	0.497	0.994	1.657	2.320	2.983
35630	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.166	0.232	0.298	0.497	0.994	1.656	2.319	2.981
35640	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.166	0.232	0.298	0.497	0.993	1.655	2.317	2.980
35650	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.165	0.232	0.298	0.496	0.993	1.654	2.316	2.978
35660	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.165	0.231	0.298	0.496	0.992	1.653	2.314	2.976
35670	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.165	0.231	0.297	0.496	0.991	1.652	2.313	2.974
35680	0.001	0.003	0.007	0.017	0.050	0.066	0.083	0.165	0.231	0.297	0.495	0.991	1.651	2.311	2.972
35690	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.165	0.231	0.297	0.495	0.990	1.650	2.310	2.970
35700	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.165	0.231	0.297	0.495	0.989	1.649	2.308	2.968
35710	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.165	0.231	0.297	0.494	0.989	1.648	2.307	2.966
35720	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.165	0.231	0.296	0.494	0.988	1.647	2.305	2.964
35730	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.165	0.230	0.296	0.494	0.987	1.645	2.304	2.962
35740	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.164	0.230	0.296	0.493	0.987	1.644	2.302	2.960
35750	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.164	0.230	0.296	0.493	0.986	1.643	2.301	2.958
35760	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.164	0.230	0.296	0.493	0.985	1.642	2.299	2.956
35770	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.164	0.230	0.295	0.492	0.985	1.641	2.297	2.954
35780	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.164	0.230	0.295	0.492	0.984	1.640	2.296	2.952
35790	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.164	0.229	0.295	0.492	0.983	1.639	2.294	2.950
35800	0.001	0.003	0.007	0.016	0.049	0.066	0.082	0.164	0.229	0.295	0.491	0.983	1.638	2.293	2.948
35810	0.001	0.003	0.007	0.016	0.049	0.065	0.082	0.164	0.229	0.295	0.491	0.982	1.637	2.291	2.946
35820	0.001	0.003	0.007	0.016	0.049	0.065	0.082	0.164	0.229	0.294	0.491	0.981	1.636	2.290	2.944
35830	0.001	0.003	0.007	0.016	0.049	0.065	0.082	0.163	0.229	0.294	0.490	0.981	1.634	2.288	2.942
35840	0.001	0.003	0.007	0.016	0.049	0.065	0.082	0.163	0.229	0.294	0.490	0.980	1.633	2.287	2.940
35850	0.001	0.003	0.007	0.016	0.049	0.065	0.082	0.163	0.229	0.294	0.490	0.979	1.632	2.285	2.938
35860	0.001	0.003	0.007	0.016	0.049	0.065	0.082	0.163	0.228	0.294	0.489	0.979	1.631	2.284	2.936
35870	0.001	0.003	0.007	0.016	0.049	0.065	0.082	0.163	0.228	0.293	0.489	0.978	1.630	2.282	2.934
35880	0.001	0.003	0.007	0.016	0.049	0.065	0.081	0.163	0.228	0.293	0.489	0.977	1.629	2.281	2.932
35890	0.001	0.003	0.007	0.016	0.049	0.065	0.081	0.163	0.228	0.293	0.488	0.977	1.628	2.279	2.930
35900	0.001	0.003	0.007	0.016	0.049	0.065	0.081	0.163	0.228	0.293	0.488	0.976	1.627	2.278	2.928

35910	0.001	0.003	0.007	0.016	0.049	0.065	0.081	0.163	0.228	0.293	0.488	0.975	1.626	2.276	2.926
35920	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.227	0.292	0.487	0.975	1.625	2.275	2.924
35930	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.227	0.292	0.487	0.974	1.624	2.273	2.922
35940	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.227	0.292	0.487	0.974	1.623	2.272	2.921
35950	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.227	0.292	0.486	0.973	1.621	2.270	2.919
35960	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.227	0.292	0.486	0.972	1.620	2.268	2.917
35970	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.227	0.291	0.486	0.972	1.619	2.267	2.915
35980	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.227	0.291	0.485	0.971	1.618	2.265	2.913
35990	0.001	0.003	0.006	0.016	0.049	0.065	0.081	0.162	0.226	0.291	0.485	0.970	1.617	2.264	2.911
36000	0.001	0.003	0.006	0.016	0.048	0.065	0.081	0.162	0.226	0.291	0.485	0.970	1.616	2.262	2.909
36010	0.001	0.003	0.006	0.016	0.048	0.065	0.081	0.161	0.226	0.291	0.484	0.969	1.615	2.261	2.907
36020	0.001	0.003	0.006	0.016	0.048	0.065	0.081	0.161	0.226	0.290	0.484	0.968	1.614	2.259	2.905
36030	0.001	0.003	0.006	0.016	0.048	0.065	0.081	0.161	0.226	0.290	0.484	0.968	1.613	2.258	2.903
36040	0.001	0.003	0.006	0.016	0.048	0.064	0.081	0.161	0.226	0.290	0.484	0.967	1.612	2.256	2.901
36050	0.001	0.003	0.006	0.016	0.048	0.064	0.081	0.161	0.225	0.290	0.483	0.966	1.611	2.255	2.899
36060	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.161	0.225	0.290	0.483	0.966	1.610	2.253	2.897
36070	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.161	0.225	0.290	0.483	0.965	1.608	2.252	2.895
36080	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.161	0.225	0.289	0.482	0.964	1.607	2.250	2.893
36090	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.161	0.225	0.289	0.482	0.964	1.606	2.249	2.891
36100	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.161	0.225	0.289	0.482	0.963	1.605	2.247	2.889
36110	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.225	0.289	0.481	0.962	1.604	2.246	2.887
36120	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.224	0.289	0.481	0.962	1.603	2.244	2.885
36130	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.224	0.288	0.481	0.961	1.602	2.243	2.884
36140	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.224	0.288	0.480	0.961	1.601	2.241	2.882
36150	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.224	0.288	0.480	0.960	1.600	2.240	2.880
36160	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.224	0.288	0.480	0.959	1.599	2.238	2.878
36170	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.224	0.288	0.479	0.959	1.598	2.237	2.876
36180	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.224	0.287	0.479	0.958	1.597	2.235	2.874
36190	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.160	0.223	0.287	0.479	0.957	1.596	2.234	2.872
36200	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.159	0.223	0.287	0.478	0.957	1.594	2.232	2.870

36210	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.159	0.223	0.287	0.478	0.956	1.593	2.231	2.868
36220	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.159	0.223	0.287	0.478	0.955	1.592	2.229	2.866
36230	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.159	0.223	0.286	0.477	0.955	1.591	2.228	2.864
36240	0.001	0.003	0.006	0.016	0.048	0.064	0.080	0.159	0.223	0.286	0.477	0.954	1.590	2.226	2.862
36250	0.001	0.003	0.006	0.016	0.048	0.064	0.079	0.159	0.222	0.286	0.477	0.953	1.589	2.225	2.860
36260	0.001	0.003	0.006	0.016	0.048	0.064	0.079	0.159	0.222	0.286	0.476	0.953	1.588	2.223	2.858
36270	0.001	0.003	0.006	0.016	0.048	0.063	0.079	0.159	0.222	0.286	0.476	0.952	1.587	2.222	2.856
36280	0.001	0.003	0.006	0.016	0.048	0.063	0.079	0.159	0.222	0.285	0.476	0.952	1.586	2.220	2.855
36290	0.001	0.003	0.006	0.016	0.048	0.063	0.079	0.158	0.222	0.285	0.475	0.951	1.585	2.219	2.853
36300	0.001	0.003	0.006	0.016	0.048	0.063	0.079	0.158	0.222	0.285	0.475	0.950	1.584	2.217	2.851
36310	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.222	0.285	0.475	0.950	1.583	2.216	2.849
36320	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.221	0.285	0.474	0.949	1.582	2.214	2.847
36330	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.221	0.284	0.474	0.948	1.580	2.213	2.845
36340	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.221	0.284	0.474	0.948	1.579	2.211	2.843
36350	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.221	0.284	0.474	0.947	1.578	2.210	2.841
36360	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.221	0.284	0.473	0.946	1.577	2.208	2.839
36370	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.221	0.284	0.473	0.946	1.576	2.207	2.837
36380	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.158	0.221	0.284	0.473	0.945	1.575	2.205	2.835
36390	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.157	0.220	0.283	0.472	0.944	1.574	2.204	2.833
36400	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.157	0.220	0.283	0.472	0.944	1.573	2.202	2.831
36410	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.157	0.220	0.283	0.472	0.943	1.572	2.201	2.830
36420	0.001	0.003	0.006	0.016	0.047	0.063	0.079	0.157	0.220	0.283	0.471	0.943	1.571	2.199	2.828
36430	0.001	0.003	0.006	0.016	0.047	0.063	0.078	0.157	0.220	0.283	0.471	0.942	1.570	2.198	2.826
36440	0.001	0.003	0.006	0.016	0.047	0.063	0.078	0.157	0.220	0.282	0.471	0.941	1.569	2.196	2.824
36450	0.001	0.003	0.006	0.016	0.047	0.063	0.078	0.157	0.219	0.282	0.470	0.941	1.568	2.195	2.822
36460	0.001	0.003	0.006	0.016	0.047	0.063	0.078	0.157	0.219	0.282	0.470	0.940	1.567	2.193	2.820
36470	0.001	0.003	0.006	0.016	0.047	0.063	0.078	0.157	0.219	0.282	0.470	0.939	1.566	2.192	2.818
36480	0.001	0.003	0.006	0.016	0.047	0.063	0.078	0.156	0.219	0.282	0.469	0.939	1.565	2.190	2.816
36490	0.001	0.003	0.006	0.016	0.047	0.063	0.078	0.156	0.219	0.281	0.469	0.938	1.563	2.189	2.814
36500	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.156	0.219	0.281	0.469	0.937	1.562	2.187	2.812

36510	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.156	0.219	0.281	0.468	0.937	1.561	2.186	2.810
36520	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.156	0.218	0.281	0.468	0.936	1.560	2.184	2.808
36530	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.156	0.218	0.281	0.468	0.936	1.559	2.183	2.807
36540	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.156	0.218	0.280	0.467	0.935	1.558	2.181	2.805
36550	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.156	0.218	0.280	0.467	0.934	1.557	2.180	2.803
36560	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.156	0.218	0.280	0.467	0.934	1.556	2.178	2.801
36570	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.155	0.218	0.280	0.466	0.933	1.555	2.177	2.799
36580	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.155	0.218	0.280	0.466	0.932	1.554	2.175	2.797
36590	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.155	0.217	0.280	0.466	0.932	1.553	2.174	2.795
36600	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.155	0.217	0.279	0.466	0.931	1.552	2.172	2.793
36610	0.001	0.003	0.006	0.016	0.047	0.062	0.078	0.155	0.217	0.279	0.465	0.930	1.551	2.171	2.791
36620	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.155	0.217	0.279	0.465	0.930	1.550	2.170	2.789
36630	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.155	0.217	0.279	0.465	0.929	1.549	2.168	2.788
36640	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.155	0.217	0.279	0.464	0.929	1.548	2.167	2.786
36650	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.155	0.217	0.278	0.464	0.928	1.546	2.165	2.784
36660	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.155	0.216	0.278	0.464	0.927	1.545	2.164	2.782
36670	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.154	0.216	0.278	0.463	0.927	1.544	2.162	2.780
36680	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.154	0.216	0.278	0.463	0.926	1.543	2.161	2.778
36690	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.154	0.216	0.278	0.463	0.925	1.542	2.159	2.776
36700	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.154	0.216	0.277	0.462	0.925	1.541	2.158	2.774
36710	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.154	0.216	0.277	0.462	0.924	1.540	2.156	2.772
36720	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.154	0.215	0.277	0.462	0.923	1.539	2.155	2.770
36730	0.001	0.003	0.006	0.015	0.046	0.062	0.077	0.154	0.215	0.277	0.461	0.923	1.538	2.153	2.769
36740	0.001	0.003	0.006	0.015	0.046	0.061	0.077	0.154	0.215	0.277	0.461	0.922	1.537	2.152	2.767
36750	0.001	0.003	0.006	0.015	0.046	0.061	0.077	0.154	0.215	0.276	0.461	0.922	1.536	2.150	2.765
36760	0.001	0.003	0.006	0.015	0.046	0.061	0.077	0.153	0.215	0.276	0.460	0.921	1.535	2.149	2.763
36770	0.001	0.003	0.006	0.015	0.046	0.061	0.077	0.153	0.215	0.276	0.460	0.920	1.534	2.147	2.761
36780	0.001	0.003	0.006	0.015	0.046	0.061	0.077	0.153	0.215	0.276	0.460	0.920	1.533	2.146	2.759
36790	0.001	0.003	0.006	0.015	0.046	0.061	0.077	0.153	0.214	0.276	0.460	0.919	1.532	2.144	2.757
36800	0.001	0.003	0.006	0.015	0.046	0.061	0.077	0.153	0.214	0.276	0.459	0.918	1.531	2.143	2.755

36810	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.153	0.214	0.275	0.459	0.918	1.530	2.142	2.753
36820	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.153	0.214	0.275	0.459	0.917	1.529	2.140	2.751
36830	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.153	0.214	0.275	0.458	0.917	1.528	2.139	2.750
36840	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.153	0.214	0.275	0.458	0.916	1.527	2.137	2.748
36850	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.153	0.214	0.275	0.458	0.915	1.525	2.136	2.746
36860	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.213	0.274	0.457	0.915	1.524	2.134	2.744
36870	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.213	0.274	0.457	0.914	1.523	2.133	2.742
36880	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.213	0.274	0.457	0.913	1.522	2.131	2.740
36890	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.213	0.274	0.456	0.913	1.521	2.130	2.738
36900	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.213	0.274	0.456	0.912	1.520	2.128	2.736
36910	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.213	0.273	0.456	0.912	1.519	2.127	2.735
36920	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.213	0.273	0.455	0.911	1.518	2.125	2.733
36930	0.001	0.003	0.006	0.015	0.046	0.061	0.076	0.152	0.212	0.273	0.455	0.910	1.517	2.124	2.731
36940	0.001	0.003	0.006	0.015	0.045	0.061	0.076	0.152	0.212	0.273	0.455	0.910	1.516	2.122	2.729
36950	0.001	0.003	0.006	0.015	0.045	0.061	0.076	0.152	0.212	0.273	0.455	0.909	1.515	2.121	2.727
36960	0.001	0.003	0.006	0.015	0.045	0.061	0.076	0.151	0.212	0.273	0.454	0.908	1.514	2.120	2.725
36970	0.001	0.003	0.006	0.015	0.045	0.061	0.076	0.151	0.212	0.272	0.454	0.908	1.513	2.118	2.723
36980	0.001	0.003	0.006	0.015	0.045	0.060	0.076	0.151	0.212	0.272	0.454	0.907	1.512	2.117	2.721
36990	0.001	0.003	0.006	0.015	0.045	0.060	0.076	0.151	0.212	0.272	0.453	0.907	1.511	2.115	2.720
37000	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.151	0.211	0.272	0.453	0.906	1.510	2.114	2.718
37010	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.151	0.211	0.272	0.453	0.905	1.509	2.112	2.716
37020	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.151	0.211	0.271	0.452	0.905	1.508	2.111	2.714
37030	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.151	0.211	0.271	0.452	0.904	1.507	2.109	2.712
37040	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.151	0.211	0.271	0.452	0.903	1.506	2.108	2.710
37050	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.211	0.271	0.451	0.903	1.505	2.106	2.708
37060	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.210	0.271	0.451	0.902	1.504	2.105	2.706
37070	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.210	0.270	0.451	0.902	1.503	2.104	2.705
37080	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.210	0.270	0.450	0.901	1.501	2.102	2.703
37090	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.210	0.270	0.450	0.900	1.500	2.101	2.701
37100	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.210	0.270	0.450	0.900	1.499	2.099	2.699

37110	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.210	0.270	0.450	0.899	1.498	2.098	2.697
37120	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.210	0.270	0.449	0.898	1.497	2.096	2.695
37130	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.209	0.269	0.449	0.898	1.496	2.095	2.693
37140	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.150	0.209	0.269	0.449	0.897	1.495	2.093	2.691
37150	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.149	0.209	0.269	0.448	0.897	1.494	2.092	2.690
37160	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.149	0.209	0.269	0.448	0.896	1.493	2.090	2.688
37170	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.149	0.209	0.269	0.448	0.895	1.492	2.089	2.686
37180	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.149	0.209	0.268	0.447	0.895	1.491	2.088	2.684
37190	0.001	0.003	0.006	0.015	0.045	0.060	0.075	0.149	0.209	0.268	0.447	0.894	1.490	2.086	2.682
37200	0.001	0.003	0.006	0.015	0.045	0.060	0.074	0.149	0.208	0.268	0.447	0.893	1.489	2.085	2.680
37210	0.001	0.003	0.006	0.015	0.045	0.060	0.074	0.149	0.208	0.268	0.446	0.893	1.488	2.083	2.678
37220	0.001	0.003	0.006	0.015	0.045	0.059	0.074	0.149	0.208	0.268	0.446	0.892	1.487	2.082	2.677
37230	0.001	0.003	0.006	0.015	0.045	0.059	0.074	0.149	0.208	0.267	0.446	0.892	1.486	2.080	2.675
37240	0.001	0.003	0.006	0.015	0.045	0.059	0.074	0.148	0.208	0.267	0.445	0.891	1.485	2.079	2.673
37250	0.001	0.003	0.006	0.015	0.045	0.059	0.074	0.148	0.208	0.267	0.445	0.890	1.484	2.077	2.671
37260	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.208	0.267	0.445	0.890	1.483	2.076	2.669
37270	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.207	0.267	0.445	0.889	1.482	2.075	2.667
37280	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.207	0.267	0.444	0.888	1.481	2.073	2.665
37290	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.207	0.266	0.444	0.888	1.480	2.072	2.664
37300	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.207	0.266	0.444	0.887	1.479	2.070	2.662
37310	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.207	0.266	0.443	0.887	1.478	2.069	2.660
37320	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.207	0.266	0.443	0.886	1.477	2.067	2.658
37330	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.148	0.207	0.266	0.443	0.885	1.476	2.066	2.656
37340	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.147	0.206	0.265	0.442	0.885	1.475	2.064	2.654
37350	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.147	0.206	0.265	0.442	0.884	1.474	2.063	2.652
37360	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.147	0.206	0.265	0.442	0.884	1.473	2.062	2.651
37370	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.147	0.206	0.265	0.441	0.883	1.472	2.060	2.649
37380	0.001	0.003	0.006	0.015	0.044	0.059	0.074	0.147	0.206	0.265	0.441	0.882	1.471	2.059	2.647
37390	0.001	0.003	0.006	0.015	0.044	0.059	0.073	0.147	0.206	0.265	0.441	0.882	1.469	2.057	2.645
37400	0.001	0.003	0.006	0.015	0.044	0.059	0.073	0.147	0.206	0.264	0.441	0.881	1.468	2.056	2.643

37410	0.001	0.003	0.006	0.015	0.044	0.059	0.073	0.147	0.205	0.264	0.440	0.880	1.467	2.054	2.641
37420	0.001	0.003	0.006	0.015	0.044	0.059	0.073	0.147	0.205	0.264	0.440	0.880	1.466	2.053	2.640
37430	0.001	0.003	0.006	0.015	0.044	0.059	0.073	0.147	0.205	0.264	0.440	0.879	1.465	2.052	2.638
37440	0.001	0.003	0.006	0.015	0.044	0.059	0.073	0.146	0.205	0.264	0.439	0.879	1.464	2.050	2.636
37450	0.001	0.003	0.006	0.015	0.044	0.059	0.073	0.146	0.205	0.263	0.439	0.878	1.463	2.049	2.634
37460	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.205	0.263	0.439	0.877	1.462	2.047	2.632
37470	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.205	0.263	0.438	0.877	1.461	2.046	2.630
37480	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.204	0.263	0.438	0.876	1.460	2.044	2.628
37490	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.204	0.263	0.438	0.876	1.459	2.043	2.627
37500	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.204	0.262	0.437	0.875	1.458	2.042	2.625
37510	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.204	0.262	0.437	0.874	1.457	2.040	2.623
37520	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.204	0.262	0.437	0.874	1.456	2.039	2.621
37530	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.146	0.204	0.262	0.437	0.873	1.455	2.037	2.619
37540	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.145	0.204	0.262	0.436	0.872	1.454	2.036	2.617
37550	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.145	0.203	0.262	0.436	0.872	1.453	2.034	2.616
37560	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.145	0.203	0.261	0.436	0.871	1.452	2.033	2.614
37570	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.145	0.203	0.261	0.435	0.871	1.451	2.032	2.612
37580	0.001	0.003	0.006	0.015	0.044	0.058	0.073	0.145	0.203	0.261	0.435	0.870	1.450	2.030	2.610
37590	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.145	0.203	0.261	0.435	0.869	1.449	2.029	2.608
37600	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.145	0.203	0.261	0.434	0.869	1.448	2.027	2.606
37610	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.145	0.203	0.260	0.434	0.868	1.447	2.026	2.605
37620	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.145	0.202	0.260	0.434	0.868	1.446	2.024	2.603
37630	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.202	0.260	0.433	0.867	1.445	2.023	2.601
37640	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.202	0.260	0.433	0.866	1.444	2.022	2.599
37650	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.202	0.260	0.433	0.866	1.443	2.020	2.597
37660	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.202	0.260	0.433	0.865	1.442	2.019	2.595
37670	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.202	0.259	0.432	0.865	1.441	2.017	2.594
37680	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.202	0.259	0.432	0.864	1.440	2.016	2.592
37690	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.201	0.259	0.432	0.863	1.439	2.014	2.590
37700	0.001	0.003	0.006	0.014	0.043	0.058	0.072	0.144	0.201	0.259	0.431	0.863	1.438	2.013	2.588

37710	0.001	0.003	0.006	0.014	0.043	0.057	0.072	0.144	0.201	0.259	0.431	0.862	1.437	2.012	2.586
37720	0.001	0.003	0.006	0.014	0.043	0.057	0.072	0.144	0.201	0.258	0.431	0.862	1.436	2.010	2.585
37730	0.001	0.003	0.006	0.014	0.043	0.057	0.072	0.143	0.201	0.258	0.430	0.861	1.435	2.009	2.583
37740	0.001	0.003	0.006	0.014	0.043	0.057	0.072	0.143	0.201	0.258	0.430	0.860	1.434	2.007	2.581
37750	0.001	0.003	0.006	0.014	0.043	0.057	0.072	0.143	0.201	0.258	0.430	0.860	1.433	2.006	2.579
37760	0.001	0.003	0.006	0.014	0.043	0.057	0.072	0.143	0.200	0.258	0.430	0.859	1.432	2.004	2.577
37770	0.001	0.003	0.006	0.014	0.043	0.057	0.072	0.143	0.200	0.258	0.429	0.858	1.431	2.003	2.575
37780	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.143	0.200	0.257	0.429	0.858	1.430	2.002	2.574
37790	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.143	0.200	0.257	0.429	0.857	1.429	2.000	2.572
37800	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.143	0.200	0.257	0.428	0.857	1.428	1.999	2.570
37810	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.143	0.200	0.257	0.428	0.856	1.427	1.997	2.568
37820	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.143	0.200	0.257	0.428	0.855	1.426	1.996	2.566
37830	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.199	0.256	0.427	0.855	1.425	1.995	2.564
37840	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.199	0.256	0.427	0.854	1.424	1.993	2.563
37850	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.199	0.256	0.427	0.854	1.423	1.992	2.561
37860	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.199	0.256	0.427	0.853	1.422	1.990	2.559
37870	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.199	0.256	0.426	0.852	1.421	1.989	2.557
37880	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.199	0.256	0.426	0.852	1.420	1.988	2.555
37890	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.199	0.255	0.426	0.851	1.419	1.986	2.554
37900	0.001	0.003	0.006	0.014	0.043	0.057	0.071	0.142	0.198	0.255	0.425	0.851	1.418	1.985	2.552
37910	0.001	0.003	0.006	0.014	0.042	0.057	0.071	0.142	0.198	0.255	0.425	0.850	1.417	1.983	2.550
37920	0.001	0.003	0.006	0.014	0.042	0.057	0.071	0.142	0.198	0.255	0.425	0.849	1.416	1.982	2.548
37930	0.001	0.003	0.006	0.014	0.042	0.057	0.071	0.141	0.198	0.255	0.424	0.849	1.415	1.980	2.546
37940	0.001	0.003	0.006	0.014	0.042	0.057	0.071	0.141	0.198	0.254	0.424	0.848	1.414	1.979	2.545
37950	0.001	0.003	0.006	0.014	0.042	0.057	0.071	0.141	0.198	0.254	0.424	0.848	1.413	1.978	2.543
37960	0.001	0.003	0.006	0.014	0.042	0.056	0.071	0.141	0.198	0.254	0.423	0.847	1.412	1.976	2.541
37970	0.001	0.003	0.006	0.014	0.042	0.056	0.071	0.141	0.197	0.254	0.423	0.846	1.411	1.975	2.539
37980	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.141	0.197	0.254	0.423	0.846	1.410	1.973	2.537
37990	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.141	0.197	0.254	0.423	0.845	1.409	1.972	2.536
38000	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.141	0.197	0.253	0.422	0.845	1.408	1.971	2.534

38010	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.141	0.197	0.253	0.422	0.844	1.407	1.969	2.532
38020	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.141	0.197	0.253	0.422	0.843	1.406	1.968	2.530
38030	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.197	0.253	0.421	0.843	1.405	1.966	2.528
38040	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.197	0.253	0.421	0.842	1.404	1.965	2.526
38050	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.196	0.252	0.421	0.842	1.403	1.964	2.525
38060	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.196	0.252	0.420	0.841	1.402	1.962	2.523
38070	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.196	0.252	0.420	0.840	1.401	1.961	2.521
38080	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.196	0.252	0.420	0.840	1.400	1.959	2.519
38090	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.196	0.252	0.420	0.839	1.399	1.958	2.517
38100	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.196	0.252	0.419	0.839	1.398	1.957	2.516
38110	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.196	0.251	0.419	0.838	1.397	1.955	2.514
38120	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.140	0.195	0.251	0.419	0.837	1.396	1.954	2.512
38130	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.139	0.195	0.251	0.418	0.837	1.395	1.952	2.510
38140	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.139	0.195	0.251	0.418	0.836	1.394	1.951	2.508
38150	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.139	0.195	0.251	0.418	0.836	1.393	1.950	2.507
38160	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.139	0.195	0.250	0.417	0.835	1.392	1.948	2.505
38170	0.001	0.003	0.006	0.014	0.042	0.056	0.070	0.139	0.195	0.250	0.417	0.834	1.391	1.947	2.503
38180	0.001	0.003	0.006	0.014	0.042	0.056	0.069	0.139	0.195	0.250	0.417	0.834	1.390	1.945	2.501
38190	0.001	0.003	0.006	0.014	0.042	0.056	0.069	0.139	0.194	0.250	0.417	0.833	1.389	1.944	2.500
38200	0.001	0.003	0.006	0.014	0.042	0.056	0.069	0.139	0.194	0.250	0.416	0.833	1.388	1.943	2.498
38210	0.001	0.003	0.006	0.014	0.042	0.055	0.069	0.139	0.194	0.250	0.416	0.832	1.387	1.941	2.496
38220	0.001	0.003	0.006	0.014	0.042	0.055	0.069	0.139	0.194	0.249	0.416	0.831	1.386	1.940	2.494
38230	0.001	0.003	0.006	0.014	0.042	0.055	0.069	0.138	0.194	0.249	0.415	0.831	1.385	1.939	2.492
38240	0.001	0.003	0.006	0.014	0.042	0.055	0.069	0.138	0.194	0.249	0.415	0.830	1.384	1.937	2.491
38250	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.194	0.249	0.415	0.830	1.383	1.936	2.489
38260	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.193	0.249	0.415	0.829	1.382	1.934	2.487
38270	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.193	0.249	0.414	0.828	1.381	1.933	2.485
38280	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.193	0.248	0.414	0.828	1.380	1.932	2.483
38290	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.193	0.248	0.414	0.827	1.379	1.930	2.482
38300	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.193	0.248	0.413	0.827	1.378	1.929	2.480

38310	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.193	0.248	0.413	0.826	1.377	1.927	2.478
38320	0.001	0.003	0.006	0.014	0.041	0.055	0.069	0.138	0.193	0.248	0.413	0.825	1.376	1.926	2.476
38330	0.001	0.003	0.005	0.014	0.041	0.055	0.069	0.137	0.192	0.247	0.412	0.825	1.375	1.925	2.475
38340	0.001	0.003	0.005	0.014	0.041	0.055	0.069	0.137	0.192	0.247	0.412	0.824	1.374	1.923	2.473
38350	0.001	0.003	0.005	0.014	0.041	0.055	0.069	0.137	0.192	0.247	0.412	0.824	1.373	1.922	2.471
38360	0.001	0.003	0.005	0.014	0.041	0.055	0.069	0.137	0.192	0.247	0.412	0.823	1.372	1.920	2.469
38370	0.001	0.003	0.005	0.014	0.041	0.055	0.069	0.137	0.192	0.247	0.411	0.822	1.371	1.919	2.467
38380	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.137	0.192	0.247	0.411	0.822	1.370	1.918	2.466
38390	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.137	0.192	0.246	0.411	0.821	1.369	1.916	2.464
38400	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.137	0.191	0.246	0.410	0.821	1.368	1.915	2.462
38410	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.137	0.191	0.246	0.410	0.820	1.367	1.914	2.460
38420	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.137	0.191	0.246	0.410	0.819	1.366	1.912	2.458
38430	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.136	0.191	0.246	0.409	0.819	1.365	1.911	2.457
38440	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.136	0.191	0.245	0.409	0.818	1.364	1.909	2.455
38450	0.001	0.003	0.005	0.014	0.041	0.055	0.068	0.136	0.191	0.245	0.409	0.818	1.363	1.908	2.453
38460	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.136	0.191	0.245	0.409	0.817	1.362	1.907	2.451
38470	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.136	0.191	0.245	0.408	0.817	1.361	1.905	2.450
38480	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.136	0.190	0.245	0.408	0.816	1.360	1.904	2.448
38490	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.136	0.190	0.245	0.408	0.815	1.359	1.902	2.446
38500	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.136	0.190	0.244	0.407	0.815	1.358	1.901	2.444
38510	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.136	0.190	0.244	0.407	0.814	1.357	1.900	2.443
38520	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.136	0.190	0.244	0.407	0.814	1.356	1.898	2.441
38530	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.135	0.190	0.244	0.406	0.813	1.355	1.897	2.439
38540	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.135	0.190	0.244	0.406	0.812	1.354	1.896	2.437
38550	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.135	0.189	0.244	0.406	0.812	1.353	1.894	2.435
38560	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.135	0.189	0.243	0.406	0.811	1.352	1.893	2.434
38570	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.135	0.189	0.243	0.405	0.811	1.351	1.891	2.432
38580	0.001	0.003	0.005	0.014	0.041	0.054	0.068	0.135	0.189	0.243	0.405	0.810	1.350	1.890	2.430
38590	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.135	0.189	0.243	0.405	0.809	1.349	1.889	2.428
38600	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.135	0.189	0.243	0.404	0.809	1.348	1.887	2.427

38610	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.135	0.189	0.242	0.404	0.808	1.347	1.886	2.425
38620	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.135	0.188	0.242	0.404	0.808	1.346	1.885	2.423
38630	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.135	0.188	0.242	0.404	0.807	1.345	1.883	2.421
38640	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.134	0.188	0.242	0.403	0.807	1.344	1.882	2.420
38650	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.134	0.188	0.242	0.403	0.806	1.343	1.881	2.418
38660	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.134	0.188	0.242	0.403	0.805	1.342	1.879	2.416
38670	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.134	0.188	0.241	0.402	0.805	1.341	1.878	2.414
38680	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.134	0.188	0.241	0.402	0.804	1.340	1.876	2.413
38690	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.134	0.188	0.241	0.402	0.804	1.339	1.875	2.411
38700	0.001	0.003	0.005	0.013	0.040	0.054	0.067	0.134	0.187	0.241	0.401	0.803	1.338	1.874	2.409
38710	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.134	0.187	0.241	0.401	0.802	1.337	1.872	2.407
38720	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.134	0.187	0.241	0.401	0.802	1.336	1.871	2.405
38730	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.134	0.187	0.240	0.401	0.801	1.335	1.870	2.404
38740	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.133	0.187	0.240	0.400	0.801	1.334	1.868	2.402
38750	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.133	0.187	0.240	0.400	0.800	1.333	1.867	2.400
38760	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.133	0.187	0.240	0.400	0.799	1.332	1.865	2.398
38770	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.133	0.186	0.240	0.399	0.799	1.331	1.864	2.397
38780	0.001	0.003	0.005	0.013	0.040	0.053	0.067	0.133	0.186	0.239	0.399	0.798	1.331	1.863	2.395
38790	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.133	0.186	0.239	0.399	0.798	1.330	1.861	2.393
38800	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.133	0.186	0.239	0.399	0.797	1.329	1.860	2.391
38810	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.133	0.186	0.239	0.398	0.797	1.328	1.859	2.390
38820	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.133	0.186	0.239	0.398	0.796	1.327	1.857	2.388
38830	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.133	0.186	0.239	0.398	0.795	1.326	1.856	2.386
38840	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.238	0.397	0.795	1.325	1.855	2.384
38850	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.238	0.397	0.794	1.324	1.853	2.383
38860	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.238	0.397	0.794	1.323	1.852	2.381
38870	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.238	0.397	0.793	1.322	1.850	2.379
38880	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.238	0.396	0.792	1.321	1.849	2.377
38890	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.238	0.396	0.792	1.320	1.848	2.376
38900	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.237	0.396	0.791	1.319	1.846	2.374

38910	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.185	0.237	0.395	0.791	1.318	1.845	2.372
38920	0.001	0.003	0.005	0.013	0.040	0.053	0.066	0.132	0.184	0.237	0.395	0.790	1.317	1.844	2.370
38930	0.001	0.003	0.005	0.013	0.039	0.053	0.066	0.132	0.184	0.237	0.395	0.790	1.316	1.842	2.369
38940	0.001	0.003	0.005	0.013	0.039	0.053	0.066	0.131	0.184	0.237	0.394	0.789	1.315	1.841	2.367
38950	0.001	0.003	0.005	0.013	0.039	0.053	0.066	0.131	0.184	0.237	0.394	0.788	1.314	1.840	2.365
38960	0.001	0.003	0.005	0.013	0.039	0.053	0.066	0.131	0.184	0.236	0.394	0.788	1.313	1.838	2.363
38970	0.001	0.003	0.005	0.013	0.039	0.052	0.066	0.131	0.184	0.236	0.394	0.787	1.312	1.837	2.362
38980	0.001	0.003	0.005	0.013	0.039	0.052	0.066	0.131	0.184	0.236	0.393	0.787	1.311	1.836	2.360
38990	0.001	0.003	0.005	0.013	0.039	0.052	0.066	0.131	0.183	0.236	0.393	0.786	1.310	1.834	2.358
39000	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.131	0.183	0.236	0.393	0.786	1.309	1.833	2.357
39010	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.131	0.183	0.235	0.392	0.785	1.308	1.831	2.355
39020	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.131	0.183	0.235	0.392	0.784	1.307	1.830	2.353
39030	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.131	0.183	0.235	0.392	0.784	1.306	1.829	2.351
39040	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.131	0.183	0.235	0.392	0.783	1.305	1.827	2.350
39050	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.183	0.235	0.391	0.783	1.304	1.826	2.348
39060	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.235	0.391	0.782	1.303	1.825	2.346
39070	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.234	0.391	0.781	1.302	1.823	2.344
39080	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.234	0.390	0.781	1.301	1.822	2.343
39090	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.234	0.390	0.780	1.300	1.821	2.341
39100	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.234	0.390	0.780	1.300	1.819	2.339
39110	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.234	0.390	0.779	1.299	1.818	2.337
39120	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.234	0.389	0.779	1.298	1.817	2.336
39130	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.182	0.233	0.389	0.778	1.297	1.815	2.334
39140	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.130	0.181	0.233	0.389	0.777	1.296	1.814	2.332
39150	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.129	0.181	0.233	0.388	0.777	1.295	1.813	2.330
39160	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.129	0.181	0.233	0.388	0.776	1.294	1.811	2.329
39170	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.129	0.181	0.233	0.388	0.776	1.293	1.810	2.327
39180	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.129	0.181	0.233	0.388	0.775	1.292	1.809	2.325
39190	0.001	0.003	0.005	0.013	0.039	0.052	0.065	0.129	0.181	0.232	0.387	0.775	1.291	1.807	2.324
39200	0.001	0.003	0.005	0.013	0.039	0.052	0.064	0.129	0.181	0.232	0.387	0.774	1.290	1.806	2.322

39210	0.001	0.003	0.005	0.013	0.039	0.052	0.064	0.129	0.180	0.232	0.387	0.773	1.289	1.805	2.320
39220	0.001	0.003	0.005	0.013	0.039	0.052	0.064	0.129	0.180	0.232	0.386	0.773	1.288	1.803	2.318
39230	0.001	0.003	0.005	0.013	0.039	0.051	0.064	0.129	0.180	0.232	0.386	0.772	1.287	1.802	2.317
39240	0.001	0.003	0.005	0.013	0.039	0.051	0.064	0.129	0.180	0.231	0.386	0.772	1.286	1.801	2.315
39250	0.001	0.003	0.005	0.013	0.039	0.051	0.064	0.129	0.180	0.231	0.386	0.771	1.285	1.799	2.313
39260	0.001	0.003	0.005	0.013	0.039	0.051	0.064	0.128	0.180	0.231	0.385	0.770	1.284	1.798	2.311
39270	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.180	0.231	0.385	0.770	1.283	1.796	2.310
39280	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.180	0.231	0.385	0.769	1.282	1.795	2.308
39290	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.179	0.231	0.384	0.769	1.281	1.794	2.306
39300	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.179	0.230	0.384	0.768	1.280	1.792	2.305
39310	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.179	0.230	0.384	0.768	1.279	1.791	2.303
39320	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.179	0.230	0.384	0.767	1.278	1.790	2.301
39330	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.179	0.230	0.383	0.766	1.277	1.788	2.299
39340	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.179	0.230	0.383	0.766	1.277	1.787	2.298
39350	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.128	0.179	0.230	0.383	0.765	1.276	1.786	2.296
39360	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.127	0.178	0.229	0.382	0.765	1.275	1.784	2.294
39370	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.127	0.178	0.229	0.382	0.764	1.274	1.783	2.293
39380	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.127	0.178	0.229	0.382	0.764	1.273	1.782	2.291
39390	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.127	0.178	0.229	0.382	0.763	1.272	1.780	2.289
39400	0.001	0.003	0.005	0.013	0.038	0.051	0.064	0.127	0.178	0.229	0.381	0.762	1.271	1.779	2.287
39410	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.127	0.178	0.229	0.381	0.762	1.270	1.778	2.286
39420	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.127	0.178	0.228	0.381	0.761	1.269	1.776	2.284
39430	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.127	0.178	0.228	0.380	0.761	1.268	1.775	2.282
39440	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.127	0.177	0.228	0.380	0.760	1.267	1.774	2.281
39450	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.127	0.177	0.228	0.380	0.760	1.266	1.772	2.279
39460	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.127	0.177	0.228	0.380	0.759	1.265	1.771	2.277
39470	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.126	0.177	0.228	0.379	0.758	1.264	1.770	2.275
39480	0.001	0.003	0.005	0.013	0.038	0.051	0.063	0.126	0.177	0.227	0.379	0.758	1.263	1.768	2.274
39490	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.177	0.227	0.379	0.757	1.262	1.767	2.272
39500	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.177	0.227	0.378	0.757	1.261	1.766	2.270

39510	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.176	0.227	0.378	0.756	1.260	1.764	2.269
39520	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.176	0.227	0.378	0.756	1.259	1.763	2.267
39530	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.176	0.227	0.378	0.755	1.258	1.762	2.265
39540	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.176	0.226	0.377	0.754	1.257	1.760	2.263
39550	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.176	0.226	0.377	0.754	1.257	1.759	2.262
39560	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.126	0.176	0.226	0.377	0.753	1.256	1.758	2.260
39570	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.125	0.176	0.226	0.376	0.753	1.255	1.756	2.258
39580	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.125	0.176	0.226	0.376	0.752	1.254	1.755	2.257
39590	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.125	0.175	0.225	0.376	0.752	1.253	1.754	2.255
39600	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.125	0.175	0.225	0.376	0.751	1.252	1.753	2.253
39610	0.001	0.003	0.005	0.013	0.038	0.050	0.063	0.125	0.175	0.225	0.375	0.751	1.251	1.751	2.252
39620	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.125	0.175	0.225	0.375	0.750	1.250	1.750	2.250
39630	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.125	0.175	0.225	0.375	0.749	1.249	1.749	2.248
39640	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.125	0.175	0.225	0.374	0.749	1.248	1.747	2.246
39650	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.125	0.175	0.224	0.374	0.748	1.247	1.746	2.245
39660	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.125	0.174	0.224	0.374	0.748	1.246	1.745	2.243
39670	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.125	0.174	0.224	0.374	0.747	1.245	1.743	2.241
39680	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.174	0.224	0.373	0.747	1.244	1.742	2.240
39690	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.174	0.224	0.373	0.746	1.243	1.741	2.238
39700	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.174	0.224	0.373	0.745	1.242	1.739	2.236
39710	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.174	0.223	0.372	0.745	1.241	1.738	2.235
39720	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.174	0.223	0.372	0.744	1.240	1.737	2.233
39730	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.174	0.223	0.372	0.744	1.240	1.735	2.231
39740	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.173	0.223	0.372	0.743	1.239	1.734	2.229
39750	0.001	0.002	0.005	0.012	0.037	0.050	0.062	0.124	0.173	0.223	0.371	0.743	1.238	1.733	2.228
39760	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.124	0.173	0.223	0.371	0.742	1.237	1.731	2.226
39770	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.124	0.173	0.222	0.371	0.741	1.236	1.730	2.224
39780	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.123	0.173	0.222	0.370	0.741	1.235	1.729	2.223
39790	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.123	0.173	0.222	0.370	0.740	1.234	1.727	2.221
39800	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.123	0.173	0.222	0.370	0.740	1.233	1.726	2.219

39810	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.123	0.172	0.222	0.370	0.739	1.232	1.725	2.218
39820	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.123	0.172	0.222	0.369	0.739	1.231	1.723	2.216
39830	0.001	0.002	0.005	0.012	0.037	0.049	0.062	0.123	0.172	0.221	0.369	0.738	1.230	1.722	2.214
39840	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.123	0.172	0.221	0.369	0.738	1.229	1.721	2.213
39850	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.123	0.172	0.221	0.368	0.737	1.228	1.720	2.211
39860	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.123	0.172	0.221	0.368	0.736	1.227	1.718	2.209
39870	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.123	0.172	0.221	0.368	0.736	1.226	1.717	2.207
39880	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.123	0.172	0.221	0.368	0.735	1.225	1.716	2.206
39890	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.220	0.367	0.735	1.225	1.714	2.204
39900	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.220	0.367	0.734	1.224	1.713	2.202
39910	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.220	0.367	0.734	1.223	1.712	2.201
39920	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.220	0.367	0.733	1.222	1.710	2.199
39930	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.220	0.366	0.732	1.221	1.709	2.197
39940	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.220	0.366	0.732	1.220	1.708	2.196
39950	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.219	0.366	0.731	1.219	1.706	2.194
39960	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.171	0.219	0.365	0.731	1.218	1.705	2.192
39970	0.001	0.002	0.005	0.012	0.037	0.049	0.061	0.122	0.170	0.219	0.365	0.730	1.217	1.704	2.191
39980	0.001	0.002	0.005	0.012	0.036	0.049	0.061	0.122	0.170	0.219	0.365	0.730	1.216	1.703	2.189
39990	0.001	0.002	0.005	0.012	0.036	0.049	0.061	0.122	0.170	0.219	0.365	0.729	1.215	1.701	2.187
40000	0.001	0.002	0.005	0.012	0.036	0.049	0.061	0.121	0.170	0.219	0.364	0.729	1.214	1.700	2.186
40010	0.001	0.002	0.005	0.012	0.036	0.049	0.061	0.121	0.170	0.218	0.364	0.728	1.213	1.699	2.184
40020	0.001	0.002	0.005	0.012	0.036	0.048	0.061	0.121	0.170	0.218	0.364	0.727	1.212	1.697	2.182
40030	0.001	0.002	0.005	0.012	0.036	0.048	0.061	0.121	0.170	0.218	0.363	0.727	1.211	1.696	2.181
40040	0.001	0.002	0.005	0.012	0.036	0.048	0.061	0.121	0.169	0.218	0.363	0.726	1.210	1.695	2.179
40050	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.121	0.169	0.218	0.363	0.726	1.210	1.693	2.177
40060	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.121	0.169	0.218	0.363	0.725	1.209	1.692	2.176
40070	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.121	0.169	0.217	0.362	0.725	1.208	1.691	2.174
40080	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.121	0.169	0.217	0.362	0.724	1.207	1.689	2.172
40090	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.121	0.169	0.217	0.362	0.724	1.206	1.688	2.171
40100	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.169	0.217	0.361	0.723	1.205	1.687	2.169

40110	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.169	0.217	0.361	0.722	1.204	1.686	2.167
40120	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.217	0.361	0.722	1.203	1.684	2.165
40130	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.216	0.361	0.721	1.202	1.683	2.164
40140	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.216	0.360	0.721	1.201	1.682	2.162
40150	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.216	0.360	0.720	1.200	1.680	2.160
40160	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.216	0.360	0.720	1.199	1.679	2.159
40170	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.216	0.360	0.719	1.198	1.678	2.157
40180	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.216	0.359	0.718	1.197	1.676	2.155
40190	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.168	0.215	0.359	0.718	1.197	1.675	2.154
40200	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.120	0.167	0.215	0.359	0.717	1.196	1.674	2.152
40210	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.119	0.167	0.215	0.358	0.717	1.195	1.673	2.150
40220	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.119	0.167	0.215	0.358	0.716	1.194	1.671	2.149
40230	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.119	0.167	0.215	0.358	0.716	1.193	1.670	2.147
40240	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.119	0.167	0.215	0.358	0.715	1.192	1.669	2.145
40250	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.119	0.167	0.214	0.357	0.715	1.191	1.667	2.144
40260	0.001	0.002	0.005	0.012	0.036	0.048	0.060	0.119	0.167	0.214	0.357	0.714	1.190	1.666	2.142
40270	0.001	0.002	0.005	0.012	0.036	0.048	0.059	0.119	0.166	0.214	0.357	0.713	1.189	1.665	2.140
40280	0.001	0.002	0.005	0.012	0.036	0.048	0.059	0.119	0.166	0.214	0.356	0.713	1.188	1.664	2.139
40290	0.001	0.002	0.005	0.012	0.036	0.047	0.059	0.119	0.166	0.214	0.356	0.712	1.187	1.662	2.137
40300	0.001	0.002	0.005	0.012	0.036	0.047	0.059	0.119	0.166	0.214	0.356	0.712	1.186	1.661	2.135
40310	0.001	0.002	0.005	0.012	0.036	0.047	0.059	0.119	0.166	0.213	0.356	0.711	1.185	1.660	2.134
40320	0.001	0.002	0.005	0.012	0.036	0.047	0.059	0.118	0.166	0.213	0.355	0.711	1.185	1.658	2.132
40330	0.001	0.002	0.005	0.012	0.036	0.047	0.059	0.118	0.166	0.213	0.355	0.710	1.184	1.657	2.131
40340	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.166	0.213	0.355	0.710	1.183	1.656	2.129
40350	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.213	0.355	0.709	1.182	1.654	2.127
40360	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.213	0.354	0.709	1.181	1.653	2.126
40370	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.212	0.354	0.708	1.180	1.652	2.124
40380	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.212	0.354	0.707	1.179	1.651	2.122
40390	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.212	0.353	0.707	1.178	1.649	2.121
40400	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.212	0.353	0.706	1.177	1.648	2.119

40410	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.212	0.353	0.706	1.176	1.647	2.117
40420	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.118	0.165	0.212	0.353	0.705	1.175	1.645	2.116
40430	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.117	0.164	0.211	0.352	0.705	1.174	1.644	2.114
40440	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.117	0.164	0.211	0.352	0.704	1.173	1.643	2.112
40450	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.117	0.164	0.211	0.352	0.704	1.173	1.642	2.111
40460	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.117	0.164	0.211	0.351	0.703	1.172	1.640	2.109
40470	0.001	0.002	0.005	0.012	0.035	0.047	0.059	0.117	0.164	0.211	0.351	0.702	1.171	1.639	2.107
40480	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.117	0.164	0.211	0.351	0.702	1.170	1.638	2.106
40490	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.117	0.164	0.210	0.351	0.701	1.169	1.636	2.104
40500	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.117	0.164	0.210	0.350	0.701	1.168	1.635	2.102
40510	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.117	0.163	0.210	0.350	0.700	1.167	1.634	2.101
40520	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.117	0.163	0.210	0.350	0.700	1.166	1.633	2.099
40530	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.117	0.163	0.210	0.350	0.699	1.165	1.631	2.097
40540	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.116	0.163	0.210	0.349	0.699	1.164	1.630	2.096
40550	0.001	0.002	0.005	0.012	0.035	0.047	0.058	0.116	0.163	0.209	0.349	0.698	1.163	1.629	2.094
40560	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.163	0.209	0.349	0.697	1.162	1.627	2.092
40570	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.163	0.209	0.348	0.697	1.162	1.626	2.091
40580	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.162	0.209	0.348	0.696	1.161	1.625	2.089
40590	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.162	0.209	0.348	0.696	1.160	1.624	2.088
40600	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.162	0.209	0.348	0.695	1.159	1.622	2.086
40610	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.162	0.208	0.347	0.695	1.158	1.621	2.084
40620	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.162	0.208	0.347	0.694	1.157	1.620	2.083
40630	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.162	0.208	0.347	0.694	1.156	1.619	2.081
40640	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.116	0.162	0.208	0.347	0.693	1.155	1.617	2.079
40650	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.115	0.162	0.208	0.346	0.693	1.154	1.616	2.078
40660	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.115	0.161	0.208	0.346	0.692	1.153	1.615	2.076
40670	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.115	0.161	0.207	0.346	0.691	1.152	1.613	2.074
40680	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.115	0.161	0.207	0.345	0.691	1.152	1.612	2.073
40690	0.001	0.002	0.005	0.012	0.035	0.046	0.058	0.115	0.161	0.207	0.345	0.690	1.151	1.611	2.071
40700	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.115	0.161	0.207	0.345	0.690	1.150	1.610	2.069

40710	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.115	0.161	0.207	0.345	0.689	1.149	1.608	2.068
40720	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.115	0.161	0.207	0.344	0.689	1.148	1.607	2.066
40730	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.115	0.161	0.206	0.344	0.688	1.147	1.606	2.065
40740	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.115	0.160	0.206	0.344	0.688	1.146	1.604	2.063
40750	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.115	0.160	0.206	0.344	0.687	1.145	1.603	2.061
40760	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.160	0.206	0.343	0.687	1.144	1.602	2.060
40770	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.160	0.206	0.343	0.686	1.143	1.601	2.058
40780	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.160	0.206	0.343	0.685	1.142	1.599	2.056
40790	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.160	0.205	0.342	0.685	1.142	1.598	2.055
40800	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.160	0.205	0.342	0.684	1.141	1.597	2.053
40810	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.160	0.205	0.342	0.684	1.140	1.596	2.051
40820	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.159	0.205	0.342	0.683	1.139	1.594	2.050
40830	0.001	0.002	0.005	0.011	0.034	0.046	0.057	0.114	0.159	0.205	0.341	0.683	1.138	1.593	2.048
40840	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.114	0.159	0.205	0.341	0.682	1.137	1.592	2.047
40850	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.114	0.159	0.204	0.341	0.682	1.136	1.591	2.045
40860	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.114	0.159	0.204	0.341	0.681	1.135	1.589	2.043
40870	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.113	0.159	0.204	0.340	0.681	1.134	1.588	2.042
40880	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.113	0.159	0.204	0.340	0.680	1.133	1.587	2.040
40890	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.113	0.159	0.204	0.340	0.679	1.132	1.585	2.038
40900	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.113	0.158	0.204	0.339	0.679	1.132	1.584	2.037
40910	0.001	0.002	0.005	0.011	0.034	0.045	0.057	0.113	0.158	0.204	0.339	0.678	1.131	1.583	2.035
40920	0.001	0.002	0.005	0.011	0.034	0.045	0.056	0.113	0.158	0.203	0.339	0.678	1.130	1.582	2.034
40930	0.001	0.002	0.005	0.011	0.034	0.045	0.056	0.113	0.158	0.203	0.339	0.677	1.129	1.580	2.032
40940	0.001	0.002	0.005	0.011	0.034	0.045	0.056	0.113	0.158	0.203	0.338	0.677	1.128	1.579	2.030
40950	0.001	0.002	0.005	0.011	0.034	0.045	0.056	0.113	0.158	0.203	0.338	0.676	1.127	1.578	2.029
40960	0.001	0.002	0.005	0.011	0.034	0.045	0.056	0.113	0.158	0.203	0.338	0.676	1.126	1.577	2.027
40970	0.001	0.002	0.005	0.011	0.034	0.045	0.056	0.113	0.158	0.203	0.338	0.675	1.125	1.575	2.025
40980	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.202	0.337	0.675	1.124	1.574	2.024
40990	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.202	0.337	0.674	1.123	1.573	2.022
41000	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.202	0.337	0.674	1.123	1.572	2.021

41010	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.202	0.336	0.673	1.122	1.570	2.019
41020	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.202	0.336	0.672	1.121	1.569	2.017
41030	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.202	0.336	0.672	1.120	1.568	2.016
41040	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.201	0.336	0.671	1.119	1.566	2.014
41050	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.157	0.201	0.335	0.671	1.118	1.565	2.012
41060	0.001	0.002	0.004	0.011	0.034	0.045	0.056	0.112	0.156	0.201	0.335	0.670	1.117	1.564	2.011
41070	0.001	0.002	0.004	0.011	0.033	0.045	0.056	0.112	0.156	0.201	0.335	0.670	1.116	1.563	2.009
41080	0.001	0.002	0.004	0.011	0.033	0.045	0.056	0.112	0.156	0.201	0.335	0.669	1.115	1.561	2.008
41090	0.001	0.002	0.004	0.011	0.033	0.045	0.056	0.111	0.156	0.201	0.334	0.669	1.114	1.560	2.006
41100	0.001	0.002	0.004	0.011	0.033	0.045	0.056	0.111	0.156	0.200	0.334	0.668	1.114	1.559	2.004
41110	0.001	0.002	0.004	0.011	0.033	0.045	0.056	0.111	0.156	0.200	0.334	0.668	1.113	1.558	2.003
41120	0.001	0.002	0.004	0.011	0.033	0.044	0.056	0.111	0.156	0.200	0.334	0.667	1.112	1.556	2.001
41130	0.001	0.002	0.004	0.011	0.033	0.044	0.056	0.111	0.156	0.200	0.333	0.666	1.111	1.555	1.999
41140	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.111	0.155	0.200	0.333	0.666	1.110	1.554	1.998
41150	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.111	0.155	0.200	0.333	0.665	1.109	1.553	1.996
41160	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.111	0.155	0.199	0.332	0.665	1.108	1.551	1.995
41170	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.111	0.155	0.199	0.332	0.664	1.107	1.550	1.993
41180	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.111	0.155	0.199	0.332	0.664	1.106	1.549	1.991
41190	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.111	0.155	0.199	0.332	0.663	1.105	1.548	1.990
41200	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.155	0.199	0.331	0.663	1.105	1.546	1.988
41210	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.155	0.199	0.331	0.662	1.104	1.545	1.987
41220	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.198	0.331	0.662	1.103	1.544	1.985
41230	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.198	0.331	0.661	1.102	1.543	1.983
41240	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.198	0.330	0.661	1.101	1.541	1.982
41250	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.198	0.330	0.660	1.100	1.540	1.980
41260	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.198	0.330	0.660	1.099	1.539	1.979
41270	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.198	0.329	0.659	1.098	1.538	1.977
41280	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.198	0.329	0.658	1.097	1.536	1.975
41290	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.154	0.197	0.329	0.658	1.097	1.535	1.974
41300	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.110	0.153	0.197	0.329	0.657	1.096	1.534	1.972

41310	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.109	0.153	0.197	0.328	0.657	1.095	1.533	1.970
41320	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.109	0.153	0.197	0.328	0.656	1.094	1.531	1.969
41330	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.109	0.153	0.197	0.328	0.656	1.093	1.530	1.967
41340	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.109	0.153	0.197	0.328	0.655	1.092	1.529	1.966
41350	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.109	0.153	0.196	0.327	0.655	1.091	1.528	1.964
41360	0.001	0.002	0.004	0.011	0.033	0.044	0.055	0.109	0.153	0.196	0.327	0.654	1.090	1.526	1.962
41370	0.001	0.002	0.004	0.011	0.033	0.044	0.054	0.109	0.153	0.196	0.327	0.654	1.089	1.525	1.961
41380	0.001	0.002	0.004	0.011	0.033	0.044	0.054	0.109	0.152	0.196	0.327	0.653	1.088	1.524	1.959
41390	0.001	0.002	0.004	0.011	0.033	0.044	0.054	0.109	0.152	0.196	0.326	0.653	1.088	1.523	1.958
41400	0.001	0.002	0.004	0.011	0.033	0.043	0.054	0.109	0.152	0.196	0.326	0.652	1.087	1.521	1.956
41410	0.001	0.002	0.004	0.011	0.033	0.043	0.054	0.109	0.152	0.195	0.326	0.651	1.086	1.520	1.954
41420	0.001	0.002	0.004	0.011	0.033	0.043	0.054	0.108	0.152	0.195	0.325	0.651	1.085	1.519	1.953
41430	0.001	0.002	0.004	0.011	0.033	0.043	0.054	0.108	0.152	0.195	0.325	0.650	1.084	1.518	1.951
41440	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.152	0.195	0.325	0.650	1.083	1.516	1.950
41450	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.152	0.195	0.325	0.649	1.082	1.515	1.948
41460	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.195	0.324	0.649	1.081	1.514	1.946
41470	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.194	0.324	0.648	1.080	1.513	1.945
41480	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.194	0.324	0.648	1.080	1.511	1.943
41490	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.194	0.324	0.647	1.079	1.510	1.942
41500	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.194	0.323	0.647	1.078	1.509	1.940
41510	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.194	0.323	0.646	1.077	1.508	1.938
41520	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.194	0.323	0.646	1.076	1.506	1.937
41530	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.108	0.151	0.194	0.323	0.645	1.075	1.505	1.935
41540	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.107	0.150	0.193	0.322	0.645	1.074	1.504	1.934
41550	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.107	0.150	0.193	0.322	0.644	1.073	1.503	1.932
41560	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.107	0.150	0.193	0.322	0.644	1.073	1.502	1.931
41570	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.107	0.150	0.193	0.321	0.643	1.072	1.500	1.929
41580	0.001	0.002	0.004	0.011	0.032	0.043	0.054	0.107	0.150	0.193	0.321	0.642	1.071	1.499	1.927
41590	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.107	0.150	0.193	0.321	0.642	1.070	1.498	1.926
41600	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.107	0.150	0.192	0.321	0.641	1.069	1.497	1.924

41610	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.107	0.150	0.192	0.320	0.641	1.068	1.495	1.923
41620	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.107	0.149	0.192	0.320	0.640	1.067	1.494	1.921
41630	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.107	0.149	0.192	0.320	0.640	1.066	1.493	1.919
41640	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.107	0.149	0.192	0.320	0.639	1.065	1.492	1.918
41650	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.106	0.149	0.192	0.319	0.639	1.065	1.490	1.916
41660	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.106	0.149	0.191	0.319	0.638	1.064	1.489	1.915
41670	0.001	0.002	0.004	0.011	0.032	0.043	0.053	0.106	0.149	0.191	0.319	0.638	1.063	1.488	1.913
41680	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.149	0.191	0.319	0.637	1.062	1.487	1.911
41690	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.149	0.191	0.318	0.637	1.061	1.485	1.910
41700	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.148	0.191	0.318	0.636	1.060	1.484	1.908
41710	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.148	0.191	0.318	0.636	1.059	1.483	1.907
41720	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.148	0.191	0.318	0.635	1.058	1.482	1.905
41730	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.148	0.190	0.317	0.634	1.057	1.480	1.903
41740	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.148	0.190	0.317	0.634	1.057	1.479	1.902
41750	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.106	0.148	0.190	0.317	0.633	1.056	1.478	1.900
41760	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.105	0.148	0.190	0.316	0.633	1.055	1.477	1.899
41770	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.105	0.148	0.190	0.316	0.632	1.054	1.476	1.897
41780	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.105	0.147	0.190	0.316	0.632	1.053	1.474	1.896
41790	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.105	0.147	0.189	0.316	0.631	1.052	1.473	1.894
41800	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.105	0.147	0.189	0.315	0.631	1.051	1.472	1.892
41810	0.001	0.002	0.004	0.011	0.032	0.042	0.053	0.105	0.147	0.189	0.315	0.630	1.050	1.471	1.891
41820	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.105	0.147	0.189	0.315	0.630	1.050	1.469	1.889
41830	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.105	0.147	0.189	0.315	0.629	1.049	1.468	1.888
41840	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.105	0.147	0.189	0.314	0.629	1.048	1.467	1.886
41850	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.105	0.147	0.188	0.314	0.628	1.047	1.466	1.885
41860	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.105	0.146	0.188	0.314	0.628	1.046	1.465	1.883
41870	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.105	0.146	0.188	0.314	0.627	1.045	1.463	1.881
41880	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.146	0.188	0.313	0.627	1.044	1.462	1.880
41890	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.146	0.188	0.313	0.626	1.043	1.461	1.878
41900	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.146	0.188	0.313	0.626	1.043	1.460	1.877

41910	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.146	0.188	0.313	0.625	1.042	1.458	1.875
41920	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.146	0.187	0.312	0.624	1.041	1.457	1.873
41930	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.146	0.187	0.312	0.624	1.040	1.456	1.872
41940	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.145	0.187	0.312	0.623	1.039	1.455	1.870
41950	0.001	0.002	0.004	0.010	0.031	0.042	0.052	0.104	0.145	0.187	0.311	0.623	1.038	1.453	1.869
41960	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.104	0.145	0.187	0.311	0.622	1.037	1.452	1.867
41970	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.104	0.145	0.187	0.311	0.622	1.036	1.451	1.866
41980	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.104	0.145	0.186	0.311	0.621	1.036	1.450	1.864
41990	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.103	0.145	0.186	0.310	0.621	1.035	1.449	1.862
42000	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.103	0.145	0.186	0.310	0.620	1.034	1.447	1.861
42010	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.103	0.145	0.186	0.310	0.620	1.033	1.446	1.859
42020	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.103	0.144	0.186	0.310	0.619	1.032	1.445	1.858
42030	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.103	0.144	0.186	0.309	0.619	1.031	1.444	1.856
42040	0.001	0.002	0.004	0.010	0.031	0.041	0.052	0.103	0.144	0.185	0.309	0.618	1.030	1.442	1.855
42050	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.103	0.144	0.185	0.309	0.618	1.029	1.441	1.853
42060	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.103	0.144	0.185	0.309	0.617	1.029	1.440	1.851
42070	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.103	0.144	0.185	0.308	0.617	1.028	1.439	1.850
42080	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.103	0.144	0.185	0.308	0.616	1.027	1.438	1.848
42090	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.103	0.144	0.185	0.308	0.616	1.026	1.436	1.847
42100	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.103	0.144	0.185	0.308	0.615	1.025	1.435	1.845
42110	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.184	0.307	0.615	1.024	1.434	1.844
42120	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.184	0.307	0.614	1.023	1.433	1.842
42130	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.184	0.307	0.614	1.023	1.432	1.841
42140	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.184	0.306	0.613	1.022	1.430	1.839
42150	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.184	0.306	0.612	1.021	1.429	1.837
42160	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.184	0.306	0.612	1.020	1.428	1.836
42170	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.183	0.306	0.611	1.019	1.427	1.834
42180	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.143	0.183	0.305	0.611	1.018	1.425	1.833
42190	0.001	0.002	0.004	0.010	0.031	0.041	0.051	0.102	0.142	0.183	0.305	0.610	1.017	1.424	1.831
42200	0.001	0.002	0.004	0.010	0.030	0.041	0.051	0.102	0.142	0.183	0.305	0.610	1.016	1.423	1.830

42210	0.001	0.002	0.004	0.010	0.030	0.041	0.051	0.102	0.142	0.183	0.305	0.609	1.016	1.422	1.828
42220	0.001	0.002	0.004	0.010	0.030	0.041	0.051	0.101	0.142	0.183	0.304	0.609	1.015	1.421	1.826
42230	0.001	0.002	0.004	0.010	0.030	0.041	0.051	0.101	0.142	0.182	0.304	0.608	1.014	1.419	1.825
42240	0.001	0.002	0.004	0.010	0.030	0.041	0.051	0.101	0.142	0.182	0.304	0.608	1.013	1.418	1.823
42250	0.001	0.002	0.004	0.010	0.030	0.040	0.051	0.101	0.142	0.182	0.304	0.607	1.012	1.417	1.822
42260	0.001	0.002	0.004	0.010	0.030	0.040	0.051	0.101	0.142	0.182	0.303	0.607	1.011	1.416	1.820
42270	0.001	0.002	0.004	0.010	0.030	0.040	0.051	0.101	0.141	0.182	0.303	0.606	1.010	1.415	1.819
42280	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.101	0.141	0.182	0.303	0.606	1.010	1.413	1.817
42290	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.101	0.141	0.182	0.303	0.605	1.009	1.412	1.816
42300	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.101	0.141	0.181	0.302	0.605	1.008	1.411	1.814
42310	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.101	0.141	0.181	0.302	0.604	1.007	1.410	1.812
42320	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.101	0.141	0.181	0.302	0.604	1.006	1.408	1.811
42330	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.101	0.141	0.181	0.302	0.603	1.005	1.407	1.809
42340	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.141	0.181	0.301	0.603	1.004	1.406	1.808
42350	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.181	0.301	0.602	1.003	1.405	1.806
42360	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.180	0.301	0.602	1.003	1.404	1.805
42370	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.180	0.301	0.601	1.002	1.402	1.803
42380	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.180	0.300	0.601	1.001	1.401	1.802
42390	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.180	0.300	0.600	1.000	1.400	1.800
42400	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.180	0.300	0.599	0.999	1.399	1.798
42410	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.180	0.299	0.599	0.998	1.398	1.797
42420	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.180	0.299	0.598	0.997	1.396	1.795
42430	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.140	0.179	0.299	0.598	0.997	1.395	1.794
42440	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.100	0.139	0.179	0.299	0.597	0.996	1.394	1.792
42450	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.099	0.139	0.179	0.298	0.597	0.995	1.393	1.791
42460	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.099	0.139	0.179	0.298	0.596	0.994	1.392	1.789
42470	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.099	0.139	0.179	0.298	0.596	0.993	1.390	1.788
42480	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.099	0.139	0.179	0.298	0.595	0.992	1.389	1.786
42490	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.099	0.139	0.178	0.297	0.595	0.991	1.388	1.785
42500	0.001	0.002	0.004	0.010	0.030	0.040	0.050	0.099	0.139	0.178	0.297	0.594	0.991	1.387	1.783

42510	0.001	0.002	0.004	0.010	0.030	0.040	0.049	0.099	0.139	0.178	0.297	0.594	0.990	1.386	1.781
42520	0.001	0.002	0.004	0.010	0.030	0.040	0.049	0.099	0.138	0.178	0.297	0.593	0.989	1.384	1.780
42530	0.001	0.002	0.004	0.010	0.030	0.040	0.049	0.099	0.138	0.178	0.296	0.593	0.988	1.383	1.778
42540	0.001	0.002	0.004	0.010	0.030	0.039	0.049	0.099	0.138	0.178	0.296	0.592	0.987	1.382	1.777
42550	0.001	0.002	0.004	0.010	0.030	0.039	0.049	0.099	0.138	0.178	0.296	0.592	0.986	1.381	1.775
42560	0.001	0.002	0.004	0.010	0.030	0.039	0.049	0.099	0.138	0.177	0.296	0.591	0.985	1.380	1.774
42570	0.001	0.002	0.004	0.010	0.030	0.039	0.049	0.098	0.138	0.177	0.295	0.591	0.985	1.378	1.772
42580	0.001	0.002	0.004	0.010	0.030	0.039	0.049	0.098	0.138	0.177	0.295	0.590	0.984	1.377	1.771
42590	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.138	0.177	0.295	0.590	0.983	1.376	1.769
42600	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.177	0.295	0.589	0.982	1.375	1.768
42610	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.177	0.294	0.589	0.981	1.374	1.766
42620	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.176	0.294	0.588	0.980	1.372	1.764
42630	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.176	0.294	0.588	0.979	1.371	1.763
42640	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.176	0.294	0.587	0.979	1.370	1.761
42650	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.176	0.293	0.587	0.978	1.369	1.760
42660	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.176	0.293	0.586	0.977	1.368	1.758
42670	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.176	0.293	0.586	0.976	1.366	1.757
42680	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.098	0.137	0.176	0.293	0.585	0.975	1.365	1.755
42690	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.097	0.136	0.175	0.292	0.585	0.974	1.364	1.754
42700	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.097	0.136	0.175	0.292	0.584	0.973	1.363	1.752
42710	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.097	0.136	0.175	0.292	0.584	0.973	1.362	1.751
42720	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.097	0.136	0.175	0.292	0.583	0.972	1.360	1.749
42730	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.097	0.136	0.175	0.291	0.583	0.971	1.359	1.748
42740	0.001	0.002	0.004	0.010	0.029	0.039	0.049	0.097	0.136	0.175	0.291	0.582	0.970	1.358	1.746
42750	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.097	0.136	0.174	0.291	0.582	0.969	1.357	1.745
42760	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.097	0.136	0.174	0.290	0.581	0.968	1.356	1.743
42770	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.097	0.135	0.174	0.290	0.580	0.967	1.354	1.741
42780	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.097	0.135	0.174	0.290	0.580	0.967	1.353	1.740
42790	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.097	0.135	0.174	0.290	0.579	0.966	1.352	1.738
42800	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.096	0.135	0.174	0.289	0.579	0.965	1.351	1.737

42810	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.096	0.135	0.174	0.289	0.578	0.964	1.350	1.735
42820	0.001	0.002	0.004	0.010	0.029	0.039	0.048	0.096	0.135	0.173	0.289	0.578	0.963	1.348	1.734
42830	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.135	0.173	0.289	0.577	0.962	1.347	1.732
42840	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.135	0.173	0.288	0.577	0.962	1.346	1.731
42850	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.134	0.173	0.288	0.576	0.961	1.345	1.729
42860	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.134	0.173	0.288	0.576	0.960	1.344	1.728
42870	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.134	0.173	0.288	0.575	0.959	1.343	1.726
42880	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.134	0.172	0.287	0.575	0.958	1.341	1.725
42890	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.134	0.172	0.287	0.574	0.957	1.340	1.723
42900	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.134	0.172	0.287	0.574	0.956	1.339	1.722
42910	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.096	0.134	0.172	0.287	0.573	0.956	1.338	1.720
42920	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.095	0.134	0.172	0.286	0.573	0.955	1.337	1.718
42930	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.095	0.134	0.172	0.286	0.572	0.954	1.335	1.717
42940	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.095	0.133	0.172	0.286	0.572	0.953	1.334	1.715
42950	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.095	0.133	0.171	0.286	0.571	0.952	1.333	1.714
42960	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.095	0.133	0.171	0.285	0.571	0.951	1.332	1.712
42970	0.001	0.002	0.004	0.010	0.029	0.038	0.048	0.095	0.133	0.171	0.285	0.570	0.950	1.331	1.711
42980	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.095	0.133	0.171	0.285	0.570	0.950	1.329	1.709
42990	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.095	0.133	0.171	0.285	0.569	0.949	1.328	1.708
43000	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.095	0.133	0.171	0.284	0.569	0.948	1.327	1.706
43010	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.095	0.133	0.170	0.284	0.568	0.947	1.326	1.705
43020	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.095	0.132	0.170	0.284	0.568	0.946	1.325	1.703
43030	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.095	0.132	0.170	0.284	0.567	0.945	1.324	1.702
43040	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.132	0.170	0.283	0.567	0.945	1.322	1.700
43050	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.132	0.170	0.283	0.566	0.944	1.321	1.699
43060	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.132	0.170	0.283	0.566	0.943	1.320	1.697
43070	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.132	0.170	0.283	0.565	0.942	1.319	1.696
43080	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.132	0.169	0.282	0.565	0.941	1.318	1.694
43090	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.132	0.169	0.282	0.564	0.940	1.316	1.693
43100	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.132	0.169	0.282	0.564	0.940	1.315	1.691

43110	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.131	0.169	0.282	0.563	0.939	1.314	1.690
43120	0.001	0.002	0.004	0.009	0.028	0.038	0.047	0.094	0.131	0.169	0.281	0.563	0.938	1.313	1.688
43130	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.094	0.131	0.169	0.281	0.562	0.937	1.312	1.687
43140	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.094	0.131	0.169	0.281	0.562	0.936	1.311	1.685
43150	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.094	0.131	0.168	0.281	0.561	0.935	1.309	1.684
43160	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.093	0.131	0.168	0.280	0.561	0.934	1.308	1.682
43170	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.093	0.131	0.168	0.280	0.560	0.934	1.307	1.680
43180	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.093	0.131	0.168	0.280	0.560	0.933	1.306	1.679
43190	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.093	0.130	0.168	0.280	0.559	0.932	1.305	1.677
43200	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.093	0.130	0.168	0.279	0.559	0.931	1.304	1.676
43210	0.001	0.002	0.004	0.009	0.028	0.037	0.047	0.093	0.130	0.167	0.279	0.558	0.930	1.302	1.674
43220	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.093	0.130	0.167	0.279	0.558	0.929	1.301	1.673
43230	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.093	0.130	0.167	0.279	0.557	0.929	1.300	1.671
43240	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.093	0.130	0.167	0.278	0.557	0.928	1.299	1.670
43250	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.093	0.130	0.167	0.278	0.556	0.927	1.298	1.668
43260	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.093	0.130	0.167	0.278	0.556	0.926	1.296	1.667
43270	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.093	0.130	0.167	0.278	0.555	0.925	1.295	1.665
43280	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.166	0.277	0.555	0.924	1.294	1.664
43290	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.166	0.277	0.554	0.924	1.293	1.662
43300	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.166	0.277	0.554	0.923	1.292	1.661
43310	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.166	0.277	0.553	0.922	1.291	1.659
43320	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.166	0.276	0.553	0.921	1.289	1.658
43330	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.166	0.276	0.552	0.920	1.288	1.656
43340	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.165	0.276	0.552	0.919	1.287	1.655
43350	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.129	0.165	0.276	0.551	0.919	1.286	1.653
43360	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.128	0.165	0.275	0.551	0.918	1.285	1.652
43370	0.001	0.002	0.004	0.009	0.028	0.037	0.046	0.092	0.128	0.165	0.275	0.550	0.917	1.284	1.650
43380	0.001	0.002	0.004	0.009	0.027	0.037	0.046	0.092	0.128	0.165	0.275	0.550	0.916	1.282	1.649
43390	0.001	0.002	0.004	0.009	0.027	0.037	0.046	0.092	0.128	0.165	0.275	0.549	0.915	1.281	1.647
43400	0.001	0.002	0.004	0.009	0.027	0.037	0.046	0.091	0.128	0.165	0.274	0.549	0.914	1.280	1.646
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43410	0.001	0.002	0.004	0.009	0.027	0.037	0.046	0.091	0.128	0.164	0.274	0.548	0.913	1.279	1.644
43420	0.001	0.002	0.004	0.009	0.027	0.037	0.046	0.091	0.128	0.164	0.274	0.548	0.913	1.278	1.643
43430	0.001	0.002	0.004	0.009	0.027	0.036	0.046	0.091	0.128	0.164	0.274	0.547	0.912	1.277	1.641
43440	0.001	0.002	0.004	0.009	0.027	0.036	0.046	0.091	0.128	0.164	0.273	0.547	0.911	1.275	1.640
43450	0.001	0.002	0.004	0.009	0.027	0.036	0.046	0.091	0.127	0.164	0.273	0.546	0.910	1.274	1.638
43460	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.091	0.127	0.164	0.273	0.546	0.909	1.273	1.637
43470	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.091	0.127	0.164	0.273	0.545	0.908	1.272	1.635
43480	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.091	0.127	0.163	0.272	0.545	0.908	1.271	1.634
43490	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.091	0.127	0.163	0.272	0.544	0.907	1.270	1.632
43500	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.091	0.127	0.163	0.272	0.544	0.906	1.268	1.631
43510	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.091	0.127	0.163	0.272	0.543	0.905	1.267	1.629
43520	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.127	0.163	0.271	0.543	0.904	1.266	1.628
43530	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.163	0.271	0.542	0.903	1.265	1.626
43540	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.162	0.271	0.542	0.903	1.264	1.625
43550	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.162	0.271	0.541	0.902	1.263	1.623
43560	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.162	0.270	0.541	0.901	1.261	1.622
43570	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.162	0.270	0.540	0.900	1.260	1.620
43580	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.162	0.270	0.540	0.899	1.259	1.619
43590	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.162	0.270	0.539	0.898	1.258	1.617
43600	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.162	0.269	0.539	0.898	1.257	1.616
43610	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.126	0.161	0.269	0.538	0.897	1.256	1.614
43620	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.125	0.161	0.269	0.538	0.896	1.254	1.613
43630	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.090	0.125	0.161	0.269	0.537	0.895	1.253	1.611
43640	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.089	0.125	0.161	0.268	0.537	0.894	1.252	1.610
43650	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.089	0.125	0.161	0.268	0.536	0.894	1.251	1.608
43660	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.089	0.125	0.161	0.268	0.536	0.893	1.250	1.607
43670	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.089	0.125	0.161	0.268	0.535	0.892	1.249	1.605
43680	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.089	0.125	0.160	0.267	0.535	0.891	1.247	1.604
43690	0.001	0.002	0.004	0.009	0.027	0.036	0.045	0.089	0.125	0.160	0.267	0.534	0.890	1.246	1.602
43700	0.001	0.002	0.004	0.009	0.027	0.036	0.044	0.089	0.125	0.160	0.267	0.534	0.889	1.245	1.601

43710	0.001	0.002	0.004	0.009	0.027	0.036	0.044	0.089	0.124	0.160	0.267	0.533	0.889	1.244	1.599
43720	0.001	0.002	0.004	0.009	0.027	0.036	0.044	0.089	0.124	0.160	0.266	0.533	0.888	1.243	1.598
43730	0.001	0.002	0.004	0.009	0.027	0.035	0.044	0.089	0.124	0.160	0.266	0.532	0.887	1.242	1.596
43740	0.001	0.002	0.004	0.009	0.027	0.035	0.044	0.089	0.124	0.159	0.266	0.532	0.886	1.240	1.595
43750	0.001	0.002	0.004	0.009	0.027	0.035	0.044	0.089	0.124	0.159	0.266	0.531	0.885	1.239	1.593
43760	0.001	0.002	0.004	0.009	0.027	0.035	0.044	0.088	0.124	0.159	0.265	0.531	0.884	1.238	1.592
43770	0.001	0.002	0.004	0.009	0.027	0.035	0.044	0.088	0.124	0.159	0.265	0.530	0.884	1.237	1.590
43780	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.124	0.159	0.265	0.530	0.883	1.236	1.589
43790	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.159	0.265	0.529	0.882	1.235	1.587
43800	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.159	0.264	0.529	0.881	1.234	1.586
43810	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.158	0.264	0.528	0.880	1.232	1.585
43820	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.158	0.264	0.528	0.879	1.231	1.583
43830	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.158	0.264	0.527	0.879	1.230	1.582
43840	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.158	0.263	0.527	0.878	1.229	1.580
43850	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.158	0.263	0.526	0.877	1.228	1.579
43860	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.158	0.263	0.526	0.876	1.227	1.577
43870	0.001	0.002	0.004	0.009	0.026	0.035	0.044	0.088	0.123	0.158	0.263	0.525	0.875	1.225	1.576
43880	0.001	0.002	0.003	0.009	0.026	0.035	0.044	0.087	0.122	0.157	0.262	0.525	0.875	1.224	1.574
43890	0.001	0.002	0.003	0.009	0.026	0.035	0.044	0.087	0.122	0.157	0.262	0.524	0.874	1.223	1.573
43900	0.001	0.002	0.003	0.009	0.026	0.035	0.044	0.087	0.122	0.157	0.262	0.524	0.873	1.222	1.571
43910	0.001	0.002	0.003	0.009	0.026	0.035	0.044	0.087	0.122	0.157	0.262	0.523	0.872	1.221	1.570
43920	0.001	0.002	0.003	0.009	0.026	0.035	0.044	0.087	0.122	0.157	0.261	0.523	0.871	1.220	1.568
43930	0.001	0.002	0.003	0.009	0.026	0.035	0.044	0.087	0.122	0.157	0.261	0.522	0.870	1.219	1.567
43940	0.001	0.002	0.003	0.009	0.026	0.035	0.043	0.087	0.122	0.157	0.261	0.522	0.870	1.217	1.565
43950	0.001	0.002	0.003	0.009	0.026	0.035	0.043	0.087	0.122	0.156	0.261	0.521	0.869	1.216	1.564
43960	0.001	0.002	0.003	0.009	0.026	0.035	0.043	0.087	0.122	0.156	0.260	0.521	0.868	1.215	1.562
43970	0.001	0.002	0.003	0.009	0.026	0.035	0.043	0.087	0.121	0.156	0.260	0.520	0.867	1.214	1.561
43980	0.001	0.002	0.003	0.009	0.026	0.035	0.043	0.087	0.121	0.156	0.260	0.520	0.866	1.213	1.559
43990	0.001	0.002	0.003	0.009	0.026	0.035	0.043	0.087	0.121	0.156	0.260	0.519	0.865	1.212	1.558
44000	0.001	0.002	0.003	0.009	0.026	0.035	0.043	0.086	0.121	0.156	0.259	0.519	0.865	1.210	1.556

44010	0.001	0.002	0.003	0.009	0.026	0.035	0.042	0.086	0.121	0.155	0.259	0 E10	0.864	1.209	1.555
44010	0.001	0.002	0.003	0.009	0.026	0.035	0.043 0.043	0.086	0.121	0.155	0.259	0.518 0.518	0.863	1.209	1.553
	0.001	0.002	0.003			0.035	0.043	0.086	0.121		0.259				
44030				0.009	0.026					0.155		0.517	0.862	1.207	1.552
44040	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.121	0.155	0.258	0.517	0.861	1.206	1.550
44050	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.120	0.155	0.258	0.516	0.861	1.205	1.549
44060	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.120	0.155	0.258	0.516	0.860	1.204	1.547
44070	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.120	0.155	0.258	0.515	0.859	1.202	1.546
44080	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.120	0.154	0.257	0.515	0.858	1.201	1.545
44090	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.120	0.154	0.257	0.514	0.857	1.200	1.543
44100	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.120	0.154	0.257	0.514	0.856	1.199	1.542
44110	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.086	0.120	0.154	0.257	0.513	0.856	1.198	1.540
44120	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.085	0.120	0.154	0.256	0.513	0.855	1.197	1.539
44130	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.085	0.120	0.154	0.256	0.512	0.854	1.196	1.537
44140	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.085	0.119	0.154	0.256	0.512	0.853	1.194	1.536
44150	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.085	0.119	0.153	0.256	0.511	0.852	1.193	1.534
44160	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.085	0.119	0.153	0.255	0.511	0.852	1.192	1.533
44170	0.001	0.002	0.003	0.009	0.026	0.034	0.043	0.085	0.119	0.153	0.255	0.510	0.851	1.191	1.531
44180	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.085	0.119	0.153	0.255	0.510	0.850	1.190	1.530
44190	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.085	0.119	0.153	0.255	0.509	0.849	1.189	1.528
44200	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.085	0.119	0.153	0.254	0.509	0.848	1.188	1.527
44210	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.085	0.119	0.153	0.254	0.508	0.847	1.186	1.525
44220	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.085	0.119	0.152	0.254	0.508	0.847	1.185	1.524
44230	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.085	0.118	0.152	0.254	0.507	0.846	1.184	1.522
44240	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.085	0.118	0.152	0.254	0.507	0.845	1.183	1.521
44250	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.118	0.152	0.253	0.507	0.844	1.182	1.520
44260	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.118	0.152	0.253	0.506	0.843	1.181	1.518
44270	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.118	0.152	0.253	0.506	0.843	1.180	1.517
44280	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.118	0.152	0.253	0.505	0.842	1.178	1.515
44290	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.118	0.151	0.252	0.505	0.841	1.177	1.514
44300	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.118	0.151	0.252	0.504	0.840	1.176	1.512

44310	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.118	0.151	0.252	0.504	0.839	1.175	1.511
44320	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.117	0.151	0.252	0.503	0.838	1.174	1.509
44330	0.001	0.002	0.003	0.008	0.025	0.034	0.042	0.084	0.117	0.151	0.251	0.503	0.838	1.173	1.508
44340	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.084	0.117	0.151	0.251	0.502	0.837	1.172	1.506
44350	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.084	0.117	0.150	0.251	0.502	0.836	1.170	1.505
44360	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.084	0.117	0.150	0.251	0.501	0.835	1.169	1.503
44370	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.083	0.117	0.150	0.250	0.501	0.834	1.168	1.502
44380	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.083	0.117	0.150	0.250	0.500	0.834	1.167	1.501
44390	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.083	0.117	0.150	0.250	0.500	0.833	1.166	1.499
44400	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.083	0.116	0.150	0.250	0.499	0.832	1.165	1.498
44410	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.083	0.116	0.150	0.249	0.499	0.831	1.164	1.496
44420	0.001	0.002	0.003	0.008	0.025	0.033	0.042	0.083	0.116	0.149	0.249	0.498	0.830	1.163	1.495
44430	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.083	0.116	0.149	0.249	0.498	0.830	1.161	1.493
44440	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.083	0.116	0.149	0.249	0.497	0.829	1.160	1.492
44450	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.083	0.116	0.149	0.248	0.497	0.828	1.159	1.490
44460	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.083	0.116	0.149	0.248	0.496	0.827	1.158	1.489
44470	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.083	0.116	0.149	0.248	0.496	0.826	1.157	1.487
44480	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.083	0.116	0.149	0.248	0.495	0.826	1.156	1.486
44490	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.148	0.247	0.495	0.825	1.155	1.484
44500	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.148	0.247	0.494	0.824	1.153	1.483
44510	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.148	0.247	0.494	0.823	1.152	1.482
44520	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.148	0.247	0.493	0.822	1.151	1.480
44530	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.148	0.246	0.493	0.821	1.150	1.479
44540	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.148	0.246	0.492	0.821	1.149	1.477
44550	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.148	0.246	0.492	0.820	1.148	1.476
44560	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.147	0.246	0.491	0.819	1.147	1.474
44570	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.115	0.147	0.245	0.491	0.818	1.146	1.473
44580	0.001	0.002	0.003	0.008	0.025	0.033	0.041	0.082	0.114	0.147	0.245	0.490	0.817	1.144	1.471
44590	0.001	0.002	0.003	0.008	0.024	0.033	0.041	0.082	0.114	0.147	0.245	0.490	0.817	1.143	1.470
44600	0.001	0.002	0.003	0.008	0.024	0.033	0.041	0.082	0.114	0.147	0.245	0.489	0.816	1.142	1.468

44610	0.001	0.002	0.002	0.000	0.024	0.022	0.041	0.002	0 111	0.147	0.245	0.400	0.015	1 1 1 1	1 467
44610	0.001	0.002	0.003	0.008	0.024	0.033	0.041	0.082	0.114	0.147	0.245	0.489	0.815	1.141	1.467
44620	0.001	0.002	0.003	0.008	0.024	0.033	0.041	0.081	0.114	0.147	0.244	0.489	0.814	1.140	1.466
44630	0.001	0.002	0.003	0.008	0.024	0.033	0.041	0.081	0.114	0.146	0.244	0.488	0.813	1.139	1.464
44640	0.001	0.002	0.003	0.008	0.024	0.033	0.041	0.081	0.114	0.146	0.244	0.488	0.813	1.138	1.463
44650	0.001	0.002	0.003	0.008	0.024	0.032	0.041	0.081	0.114	0.146	0.244	0.487	0.812	1.136	1.461
44660	0.001	0.002	0.003	0.008	0.024	0.032	0.041	0.081	0.114	0.146	0.243	0.487	0.811	1.135	1.460
44670	0.001	0.002	0.003	0.008	0.024	0.032	0.041	0.081	0.113	0.146	0.243	0.486	0.810	1.134	1.458
44680	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.081	0.113	0.146	0.243	0.486	0.809	1.133	1.457
44690	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.081	0.113	0.146	0.243	0.485	0.809	1.132	1.455
44700	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.081	0.113	0.145	0.242	0.485	0.808	1.131	1.454
44710	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.081	0.113	0.145	0.242	0.484	0.807	1.130	1.453
44720	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.081	0.113	0.145	0.242	0.484	0.806	1.129	1.451
44730	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.081	0.113	0.145	0.242	0.483	0.805	1.127	1.450
44740	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.113	0.145	0.241	0.483	0.805	1.126	1.448
44750	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.113	0.145	0.241	0.482	0.804	1.125	1.447
44760	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.145	0.241	0.482	0.803	1.124	1.445
44770	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.144	0.241	0.481	0.802	1.123	1.444
44780	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.144	0.240	0.481	0.801	1.122	1.442
44790	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.144	0.240	0.480	0.801	1.121	1.441
44800	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.144	0.240	0.480	0.800	1.120	1.440
44810	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.144	0.240	0.479	0.799	1.118	1.438
44820	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.144	0.239	0.479	0.798	1.117	1.437
44830	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.144	0.239	0.478	0.797	1.116	1.435
44840	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.112	0.143	0.239	0.478	0.797	1.115	1.434
44850	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.080	0.111	0.143	0.239	0.477	0.796	1.114	1.432
44860	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.079	0.111	0.143	0.238	0.477	0.795	1.113	1.431
44870	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.079	0.111	0.143	0.238	0.476	0.794	1.112	1.429
44880	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.079	0.111	0.143	0.238	0.476	0.793	1.111	1.428
44890	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.079	0.111	0.143	0.238	0.476	0.793	1.110	1.427
44900	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.079	0.111	0.143	0.238	0.475	0.792	1.108	1.425

44910	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.079	0.111	0.142	0.237	0.475	0.791	1.107	1.424
44920	0.001	0.002	0.003	0.008	0.024	0.032	0.040	0.079	0.111	0.142	0.237	0.474	0.790	1.106	1.422
44930	0.001	0.002	0.003	0.008	0.024	0.032	0.039	0.079	0.111	0.142	0.237	0.474	0.789	1.105	1.421
44940	0.001	0.002	0.003	0.008	0.024	0.032	0.039	0.079	0.110	0.142	0.237	0.473	0.789	1.104	1.419
44950	0.001	0.002	0.003	0.008	0.024	0.032	0.039	0.079	0.110	0.142	0.236	0.473	0.788	1.103	1.418
44960	0.001	0.002	0.003	0.008	0.024	0.031	0.039	0.079	0.110	0.142	0.236	0.472	0.787	1.102	1.416
44970	0.001	0.002	0.003	0.008	0.024	0.031	0.039	0.079	0.110	0.142	0.236	0.472	0.786	1.101	1.415
44980	0.001	0.002	0.003	0.008	0.024	0.031	0.039	0.079	0.110	0.141	0.236	0.471	0.785	1.099	1.414
44990	0.001	0.002	0.003	0.008	0.024	0.031	0.039	0.078	0.110	0.141	0.235	0.471	0.785	1.098	1.412
45000	0.001	0.002	0.003	0.008	0.024	0.031	0.039	0.078	0.110	0.141	0.235	0.470	0.784	1.097	1.411
45010	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.110	0.141	0.235	0.470	0.783	1.096	1.409
45020	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.141	0.235	0.469	0.782	1.095	1.408
45030	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.141	0.234	0.469	0.781	1.094	1.406
45040	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.140	0.234	0.468	0.781	1.093	1.405
45050	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.140	0.234	0.468	0.780	1.092	1.404
45060	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.140	0.234	0.467	0.779	1.091	1.402
45070	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.140	0.233	0.467	0.778	1.089	1.401
45080	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.140	0.233	0.466	0.777	1.088	1.399
45090	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.140	0.233	0.466	0.777	1.087	1.398
45100	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.078	0.109	0.140	0.233	0.465	0.776	1.086	1.396
45110	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.077	0.108	0.139	0.232	0.465	0.775	1.085	1.395
45120	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.077	0.108	0.139	0.232	0.464	0.774	1.084	1.393
45130	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.077	0.108	0.139	0.232	0.464	0.773	1.083	1.392
45140	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.077	0.108	0.139	0.232	0.464	0.773	1.082	1.391
45150	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.077	0.108	0.139	0.232	0.463	0.772	1.080	1.389
45160	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.077	0.108	0.139	0.231	0.463	0.771	1.079	1.388
45170	0.001	0.002	0.003	0.008	0.023	0.031	0.039	0.077	0.108	0.139	0.231	0.462	0.770	1.078	1.386
45180	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.077	0.108	0.138	0.231	0.462	0.769	1.077	1.385
45190	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.077	0.108	0.138	0.231	0.461	0.769	1.076	1.383
45200	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.077	0.107	0.138	0.230	0.461	0.768	1.075	1.382

45210	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.077	0.107	0.138	0.230	0.460	0.767	1.074	1.381
45220	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.077	0.107	0.138	0.230	0.460	0.766	1.073	1.379
45230	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.077	0.107	0.138	0.230	0.459	0.765	1.072	1.378
45240	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.076	0.107	0.138	0.229	0.459	0.765	1.070	1.376
45250	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.076	0.107	0.137	0.229	0.458	0.764	1.069	1.375
45260	0.001	0.002	0.003	0.008	0.023	0.031	0.038	0.076	0.107	0.137	0.229	0.458	0.763	1.068	1.373
45270	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.107	0.137	0.229	0.457	0.762	1.067	1.372
45280	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.107	0.137	0.228	0.457	0.761	1.066	1.371
45290	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.137	0.228	0.456	0.761	1.065	1.369
45300	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.137	0.228	0.456	0.760	1.064	1.368
45310	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.137	0.228	0.455	0.759	1.063	1.366
45320	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.136	0.227	0.455	0.758	1.062	1.365
45330	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.136	0.227	0.455	0.758	1.061	1.364
45340	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.136	0.227	0.454	0.757	1.059	1.362
45350	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.136	0.227	0.454	0.756	1.058	1.361
45360	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.076	0.106	0.136	0.227	0.453	0.755	1.057	1.359
45370	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.075	0.106	0.136	0.226	0.453	0.754	1.056	1.358
45380	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.075	0.105	0.136	0.226	0.452	0.754	1.055	1.356
45390	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.075	0.105	0.135	0.226	0.452	0.753	1.054	1.355
45400	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.075	0.105	0.135	0.226	0.451	0.752	1.053	1.354
45410	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.075	0.105	0.135	0.225	0.451	0.751	1.052	1.352
45420	0.001	0.002	0.003	0.008	0.023	0.030	0.038	0.075	0.105	0.135	0.225	0.450	0.750	1.051	1.351
45430	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.075	0.105	0.135	0.225	0.450	0.750	1.049	1.349
45440	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.075	0.105	0.135	0.225	0.449	0.749	1.048	1.348
45450	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.075	0.105	0.135	0.224	0.449	0.748	1.047	1.346
45460	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.075	0.105	0.135	0.224	0.448	0.747	1.046	1.345
45470	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.075	0.105	0.134	0.224	0.448	0.746	1.045	1.344
45480	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.075	0.104	0.134	0.224	0.447	0.746	1.044	1.342
45490	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.134	0.223	0.447	0.745	1.043	1.341
45500	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.134	0.223	0.446	0.744	1.042	1.339

45510	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.134	0.223	0.446	0.743	1.041	1.338
45520	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.134	0.223	0.446	0.743	1.040	1.337
45530	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.134	0.223	0.445	0.742	1.038	1.335
45540	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.133	0.222	0.445	0.741	1.037	1.334
45550	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.133	0.222	0.444	0.740	1.036	1.332
45560	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.104	0.133	0.222	0.444	0.739	1.035	1.331
45570	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.103	0.133	0.222	0.443	0.739	1.034	1.329
45580	0.001	0.001	0.003	0.007	0.022	0.030	0.037	0.074	0.103	0.133	0.221	0.443	0.738	1.033	1.328
45590	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.074	0.103	0.133	0.221	0.442	0.737	1.032	1.327
45600	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.074	0.103	0.133	0.221	0.442	0.736	1.031	1.325
45610	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.074	0.103	0.132	0.221	0.441	0.735	1.030	1.324
45620	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.073	0.103	0.132	0.220	0.441	0.735	1.029	1.322
45630	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.073	0.103	0.132	0.220	0.440	0.734	1.027	1.321
45640	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.073	0.103	0.132	0.220	0.440	0.733	1.026	1.320
45650	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.073	0.103	0.132	0.220	0.439	0.732	1.025	1.318
45660	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.073	0.102	0.132	0.219	0.439	0.732	1.024	1.317
45670	0.001	0.001	0.003	0.007	0.022	0.029	0.037	0.073	0.102	0.132	0.219	0.438	0.731	1.023	1.315
45680	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.073	0.102	0.131	0.219	0.438	0.730	1.022	1.314
45690	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.073	0.102	0.131	0.219	0.438	0.729	1.021	1.313
45700	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.073	0.102	0.131	0.219	0.437	0.728	1.020	1.311
45710	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.073	0.102	0.131	0.218	0.437	0.728	1.019	1.310
45720	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.073	0.102	0.131	0.218	0.436	0.727	1.018	1.308
45730	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.073	0.102	0.131	0.218	0.436	0.726	1.016	1.307
45740	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.073	0.102	0.131	0.218	0.435	0.725	1.015	1.305
45750	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.130	0.217	0.435	0.724	1.014	1.304
45760	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.130	0.217	0.434	0.724	1.013	1.303
45770	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.130	0.217	0.434	0.723	1.012	1.301
45780	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.130	0.217	0.433	0.722	1.011	1.300
45790	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.130	0.216	0.433	0.721	1.010	1.298
45800	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.130	0.216	0.432	0.721	1.009	1.297

45810	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.130	0.216	0.432	0.720	1.008	1.296
45820	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.129	0.216	0.431	0.719	1.007	1.294
45830	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.101	0.129	0.215	0.431	0.718	1.006	1.293
45840	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.100	0.129	0.215	0.430	0.717	1.004	1.291
45850	0.001	0.001	0.003	0.007	0.022	0.029	0.036	0.072	0.100	0.129	0.215	0.430	0.717	1.003	1.290
45860	0.001	0.001	0.003	0.007	0.021	0.029	0.036	0.072	0.100	0.129	0.215	0.430	0.716	1.002	1.289
45870	0.001	0.001	0.003	0.007	0.021	0.029	0.036	0.072	0.100	0.129	0.215	0.429	0.715	1.001	1.287
45880	0.001	0.001	0.003	0.007	0.021	0.029	0.036	0.071	0.100	0.129	0.214	0.429	0.714	1.000	1.286
45890	0.001	0.001	0.003	0.007	0.021	0.029	0.036	0.071	0.100	0.128	0.214	0.428	0.714	0.999	1.284
45900	0.001	0.001	0.003	0.007	0.021	0.029	0.036	0.071	0.100	0.128	0.214	0.428	0.713	0.998	1.283
45910	0.001	0.001	0.003	0.007	0.021	0.028	0.036	0.071	0.100	0.128	0.214	0.427	0.712	0.997	1.282
45920	0.001	0.001	0.003	0.007	0.021	0.028	0.036	0.071	0.100	0.128	0.213	0.427	0.711	0.996	1.280
45930	0.001	0.001	0.003	0.007	0.021	0.028	0.036	0.071	0.099	0.128	0.213	0.426	0.710	0.995	1.279
45940	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.071	0.099	0.128	0.213	0.426	0.710	0.994	1.277
45950	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.071	0.099	0.128	0.213	0.425	0.709	0.992	1.276
45960	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.071	0.099	0.127	0.212	0.425	0.708	0.991	1.275
45970	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.071	0.099	0.127	0.212	0.424	0.707	0.990	1.273
45980	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.071	0.099	0.127	0.212	0.424	0.707	0.989	1.272
45990	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.071	0.099	0.127	0.212	0.423	0.706	0.988	1.270
46000	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.099	0.127	0.211	0.423	0.705	0.987	1.269
46010	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.099	0.127	0.211	0.423	0.704	0.986	1.268
46020	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.127	0.211	0.422	0.703	0.985	1.266
46030	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.211	0.422	0.703	0.984	1.265
46040	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.211	0.421	0.702	0.983	1.263
46050	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.210	0.421	0.701	0.982	1.262
46060	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.210	0.420	0.700	0.980	1.261
46070	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.210	0.420	0.700	0.979	1.259
46080	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.210	0.419	0.699	0.978	1.258
46090	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.209	0.419	0.698	0.977	1.256
46100	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.126	0.209	0.418	0.697	0.976	1.255

46110	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.098	0.125	0.209	0.418	0.696	0.975	1.254
46120	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.070	0.097	0.125	0.209	0.417	0.696	0.974	1.252
46130	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.069	0.097	0.125	0.208	0.417	0.695	0.973	1.251
46140	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.069	0.097	0.125	0.208	0.416	0.694	0.972	1.249
46150	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.069	0.097	0.125	0.208	0.416	0.693	0.971	1.248
46160	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.069	0.097	0.125	0.208	0.416	0.693	0.970	1.247
46170	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.069	0.097	0.125	0.208	0.415	0.692	0.969	1.245
46180	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.069	0.097	0.124	0.207	0.415	0.691	0.967	1.244
46190	0.001	0.001	0.003	0.007	0.021	0.028	0.035	0.069	0.097	0.124	0.207	0.414	0.690	0.966	1.242
46200	0.001	0.001	0.003	0.007	0.021	0.028	0.034	0.069	0.097	0.124	0.207	0.414	0.689	0.965	1.241
46210	0.001	0.001	0.003	0.007	0.021	0.028	0.034	0.069	0.096	0.124	0.207	0.413	0.689	0.964	1.240
46220	0.001	0.001	0.003	0.007	0.021	0.028	0.034	0.069	0.096	0.124	0.206	0.413	0.688	0.963	1.238
46230	0.001	0.001	0.003	0.007	0.021	0.027	0.034	0.069	0.096	0.124	0.206	0.412	0.687	0.962	1.237
46240	0.001	0.001	0.003	0.007	0.021	0.027	0.034	0.069	0.096	0.124	0.206	0.412	0.686	0.961	1.236
46250	0.001	0.001	0.003	0.007	0.021	0.027	0.034	0.069	0.096	0.123	0.206	0.411	0.686	0.960	1.234
46260	0.001	0.001	0.003	0.007	0.021	0.027	0.034	0.068	0.096	0.123	0.205	0.411	0.685	0.959	1.233
46270	0.001	0.001	0.003	0.007	0.021	0.027	0.034	0.068	0.096	0.123	0.205	0.410	0.684	0.958	1.231
46280	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.096	0.123	0.205	0.410	0.683	0.957	1.230
46290	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.096	0.123	0.205	0.410	0.683	0.956	1.229
46300	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.123	0.205	0.409	0.682	0.954	1.227
46310	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.123	0.204	0.409	0.681	0.953	1.226
46320	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.122	0.204	0.408	0.680	0.952	1.224
46330	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.122	0.204	0.408	0.679	0.951	1.223
46340	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.122	0.204	0.407	0.679	0.950	1.222
46350	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.122	0.203	0.407	0.678	0.949	1.220
46360	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.122	0.203	0.406	0.677	0.948	1.219
46370	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.122	0.203	0.406	0.676	0.947	1.217
46380	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.068	0.095	0.122	0.203	0.405	0.676	0.946	1.216
46390	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.067	0.094	0.121	0.202	0.405	0.675	0.945	1.215
46400	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.067	0.094	0.121	0.202	0.404	0.674	0.944	1.213

46410	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.067	0.094	0.121	0.202	0.404	0.673	0.943	1.212
46420	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.067	0.094	0.121	0.202	0.404	0.673	0.942	1.211
46430	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.067	0.094	0.121	0.202	0.403	0.672	0.940	1.209
46440	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.067	0.094	0.121	0.201	0.403	0.671	0.939	1.208
46450	0.001	0.001	0.003	0.007	0.020	0.027	0.034	0.067	0.094	0.121	0.201	0.402	0.670	0.938	1.206
46460	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.067	0.094	0.121	0.201	0.402	0.669	0.937	1.205
46470	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.067	0.094	0.120	0.201	0.401	0.669	0.936	1.204
46480	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.067	0.094	0.120	0.200	0.401	0.668	0.935	1.202
46490	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.067	0.093	0.120	0.200	0.400	0.667	0.934	1.201
46500	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.067	0.093	0.120	0.200	0.400	0.666	0.933	1.200
46510	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.067	0.093	0.120	0.200	0.399	0.666	0.932	1.198
46520	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.066	0.093	0.120	0.199	0.399	0.665	0.931	1.197
46530	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.066	0.093	0.120	0.199	0.398	0.664	0.930	1.195
46540	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.066	0.093	0.119	0.199	0.398	0.663	0.929	1.194
46550	0.001	0.001	0.003	0.007	0.020	0.027	0.033	0.066	0.093	0.119	0.199	0.398	0.663	0.928	1.193
46560	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.093	0.119	0.199	0.397	0.662	0.927	1.191
46570	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.093	0.119	0.198	0.397	0.661	0.925	1.190
46580	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.092	0.119	0.198	0.396	0.660	0.924	1.188
46590	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.092	0.119	0.198	0.396	0.659	0.923	1.187
46600	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.092	0.119	0.198	0.395	0.659	0.922	1.186
46610	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.092	0.118	0.197	0.395	0.658	0.921	1.184
46620	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.092	0.118	0.197	0.394	0.657	0.920	1.183
46630	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.092	0.118	0.197	0.394	0.656	0.919	1.182
46640	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.066	0.092	0.118	0.197	0.393	0.656	0.918	1.180
46650	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.065	0.092	0.118	0.196	0.393	0.655	0.917	1.179
46660	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.065	0.092	0.118	0.196	0.392	0.654	0.916	1.177
46670	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.065	0.091	0.118	0.196	0.392	0.653	0.915	1.176
46680	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.065	0.091	0.117	0.196	0.392	0.653	0.914	1.175
46690	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.065	0.091	0.117	0.196	0.391	0.652	0.913	1.173
46700	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.065	0.091	0.117	0.195	0.391	0.651	0.912	1.172

46710	0.001	0.001	0.003	0.007	0.020	0.026	0.033	0.065	0.091	0.117	0.195	0.390	0.650	0.910	1.171
46720	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.065	0.091	0.117	0.195	0.390	0.650	0.909	1.169
46730	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.065	0.091	0.117	0.195	0.389	0.649	0.908	1.168
46740	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.065	0.091	0.117	0.194	0.389	0.648	0.907	1.166
46750	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.065	0.091	0.117	0.194	0.388	0.647	0.906	1.165
46760	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.065	0.091	0.116	0.194	0.388	0.647	0.905	1.164
46770	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.065	0.090	0.116	0.194	0.387	0.646	0.904	1.162
46780	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.116	0.193	0.387	0.645	0.903	1.161
46790	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.116	0.193	0.387	0.644	0.902	1.160
46800	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.116	0.193	0.386	0.643	0.901	1.158
46810	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.116	0.193	0.386	0.643	0.900	1.157
46820	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.116	0.193	0.385	0.642	0.899	1.155
46830	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.115	0.192	0.385	0.641	0.898	1.154
46840	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.115	0.192	0.384	0.640	0.897	1.153
46850	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.090	0.115	0.192	0.384	0.640	0.896	1.151
46860	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.089	0.115	0.192	0.383	0.639	0.894	1.150
46870	0.001	0.001	0.003	0.006	0.019	0.026	0.032	0.064	0.089	0.115	0.191	0.383	0.638	0.893	1.149
46880	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.064	0.089	0.115	0.191	0.382	0.637	0.892	1.147
46890	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.064	0.089	0.115	0.191	0.382	0.637	0.891	1.146
46900	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.064	0.089	0.114	0.191	0.382	0.636	0.890	1.145
46910	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.064	0.089	0.114	0.191	0.381	0.635	0.889	1.143
46920	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.063	0.089	0.114	0.190	0.381	0.634	0.888	1.142
46930	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.063	0.089	0.114	0.190	0.380	0.634	0.887	1.140
46940	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.063	0.089	0.114	0.190	0.380	0.633	0.886	1.139
46950	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.063	0.088	0.114	0.190	0.379	0.632	0.885	1.138
46960	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.063	0.088	0.114	0.189	0.379	0.631	0.884	1.136
46970	0.001	0.001	0.003	0.006	0.019	0.025	0.032	0.063	0.088	0.113	0.189	0.378	0.631	0.883	1.135
46980	0.001	0.001	0.003	0.006	0.019	0.025	0.031	0.063	0.088	0.113	0.189	0.378	0.630	0.882	1.134
46990	0.001	0.001	0.003	0.006	0.019	0.025	0.031	0.063	0.088	0.113	0.189	0.377	0.629	0.881	1.132
47000	0.001	0.001	0.003	0.006	0.019	0.025	0.031	0.063	0.088	0.113	0.188	0.377	0.628	0.880	1.131

47010	0.001	0.001	0.003	0.006	0.019	0.025	0.031	0.063	0.088	0.113	0.188	0.377	0.628	0.879	1.130
47020	0.001	0.001	0.003	0.006	0.019	0.025	0.031	0.063	0.088	0.113	0.188	0.376	0.627	0.877	1.128
47030	0.001	0.001	0.003	0.006	0.019	0.025	0.031	0.063	0.088	0.113	0.188	0.376	0.626	0.876	1.127
47040	0.001	0.001	0.003	0.006	0.019	0.025	0.031	0.063	0.088	0.113	0.188	0.375	0.625	0.875	1.125
47050	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.112	0.187	0.375	0.624	0.874	1.124
47060	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.112	0.187	0.374	0.624	0.873	1.123
47070	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.112	0.187	0.374	0.623	0.872	1.121
47080	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.112	0.187	0.373	0.622	0.871	1.120
47090	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.112	0.186	0.373	0.621	0.870	1.119
47100	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.112	0.186	0.372	0.621	0.869	1.117
47110	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.112	0.186	0.372	0.620	0.868	1.116
47120	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.111	0.186	0.372	0.619	0.867	1.115
47130	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.087	0.111	0.186	0.371	0.618	0.866	1.113
47140	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.086	0.111	0.185	0.371	0.618	0.865	1.112
47150	0.000	0.001	0.002	0.006	0.019	0.025	0.031	0.062	0.086	0.111	0.185	0.370	0.617	0.864	1.110
47160	0.000	0.001	0.002	0.006	0.018	0.025	0.031	0.062	0.086	0.111	0.185	0.370	0.616	0.863	1.109
47170	0.000	0.001	0.002	0.006	0.018	0.025	0.031	0.062	0.086	0.111	0.185	0.369	0.615	0.862	1.108
47180	0.000	0.001	0.002	0.006	0.018	0.025	0.031	0.061	0.086	0.111	0.184	0.369	0.615	0.861	1.106
47190	0.000	0.001	0.002	0.006	0.018	0.025	0.031	0.061	0.086	0.111	0.184	0.368	0.614	0.859	1.105
47200	0.000	0.001	0.002	0.006	0.018	0.025	0.031	0.061	0.086	0.110	0.184	0.368	0.613	0.858	1.104
47210	0.000	0.001	0.002	0.006	0.018	0.024	0.031	0.061	0.086	0.110	0.184	0.367	0.612	0.857	1.102
47220	0.000	0.001	0.002	0.006	0.018	0.024	0.031	0.061	0.086	0.110	0.183	0.367	0.612	0.856	1.101
47230	0.000	0.001	0.002	0.006	0.018	0.024	0.031	0.061	0.086	0.110	0.183	0.367	0.611	0.855	1.100
47240	0.000	0.001	0.002	0.006	0.018	0.024	0.031	0.061	0.085	0.110	0.183	0.366	0.610	0.854	1.098
47250	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.061	0.085	0.110	0.183	0.366	0.609	0.853	1.097
47260	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.061	0.085	0.110	0.183	0.365	0.609	0.852	1.096
47270	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.061	0.085	0.109	0.182	0.365	0.608	0.851	1.094
47280	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.061	0.085	0.109	0.182	0.364	0.607	0.850	1.093
47290	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.061	0.085	0.109	0.182	0.364	0.606	0.849	1.091
47300	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.061	0.085	0.109	0.182	0.363	0.606	0.848	1.090

47310	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.085	0.109	0.181	0.363	0.605	0.847	1.089
47320	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.085	0.109	0.181	0.362	0.604	0.846	1.087
47330	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.109	0.181	0.362	0.603	0.845	1.086
47340	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.181	0.362	0.603	0.844	1.085
47350	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.181	0.361	0.602	0.843	1.083
47360	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.180	0.361	0.601	0.842	1.082
47370	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.180	0.360	0.600	0.840	1.081
47380	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.180	0.360	0.600	0.839	1.079
47390	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.180	0.359	0.599	0.838	1.078
47400	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.179	0.359	0.598	0.837	1.077
47410	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.108	0.179	0.358	0.597	0.836	1.075
47420	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.084	0.107	0.179	0.358	0.597	0.835	1.074
47430	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.083	0.107	0.179	0.358	0.596	0.834	1.073
47440	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.060	0.083	0.107	0.179	0.357	0.595	0.833	1.071
47450	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.059	0.083	0.107	0.178	0.357	0.594	0.832	1.070
47460	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.059	0.083	0.107	0.178	0.356	0.594	0.831	1.068
47470	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.059	0.083	0.107	0.178	0.356	0.593	0.830	1.067
47480	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.059	0.083	0.107	0.178	0.355	0.592	0.829	1.066
47490	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.059	0.083	0.106	0.177	0.355	0.591	0.828	1.064
47500	0.000	0.001	0.002	0.006	0.018	0.024	0.030	0.059	0.083	0.106	0.177	0.354	0.591	0.827	1.063
47510	0.000	0.001	0.002	0.006	0.018	0.024	0.029	0.059	0.083	0.106	0.177	0.354	0.590	0.826	1.062
47520	0.000	0.001	0.002	0.006	0.018	0.024	0.029	0.059	0.082	0.106	0.177	0.353	0.589	0.825	1.060
47530	0.000	0.001	0.002	0.006	0.018	0.024	0.029	0.059	0.082	0.106	0.177	0.353	0.588	0.824	1.059
47540	0.000	0.001	0.002	0.006	0.018	0.024	0.029	0.059	0.082	0.106	0.176	0.353	0.588	0.823	1.058
47550	0.000	0.001	0.002	0.006	0.018	0.023	0.029	0.059	0.082	0.106	0.176	0.352	0.587	0.822	1.056
47560	0.000	0.001	0.002	0.006	0.018	0.023	0.029	0.059	0.082	0.106	0.176	0.352	0.586	0.821	1.055
47570	0.000	0.001	0.002	0.006	0.018	0.023	0.029	0.059	0.082	0.105	0.176	0.351	0.585	0.820	1.054
47580	0.000	0.001	0.002	0.006	0.018	0.023	0.029	0.058	0.082	0.105	0.175	0.351	0.585	0.818	1.052
47590	0.000	0.001	0.002	0.006	0.018	0.023	0.029	0.058	0.082	0.105	0.175	0.350	0.584	0.817	1.051
47600	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.082	0.105	0.175	0.350	0.583	0.816	1.050

47610	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.082	0.105	0.175	0.349	0.582	0.815	1.048
47620	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.105	0.174	0.349	0.582	0.814	1.047
47630	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.105	0.174	0.349	0.581	0.813	1.046
47640	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.104	0.174	0.348	0.580	0.812	1.044
47650	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.104	0.174	0.348	0.579	0.811	1.043
47660	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.104	0.174	0.347	0.579	0.810	1.042
47670	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.104	0.173	0.347	0.578	0.809	1.040
47680	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.104	0.173	0.346	0.577	0.808	1.039
47690	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.104	0.173	0.346	0.576	0.807	1.038
47700	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.058	0.081	0.104	0.173	0.345	0.576	0.806	1.036
47710	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.057	0.080	0.103	0.172	0.345	0.575	0.805	1.035
47720	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.057	0.080	0.103	0.172	0.345	0.574	0.804	1.034
47730	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.057	0.080	0.103	0.172	0.344	0.573	0.803	1.032
47740	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.057	0.080	0.103	0.172	0.344	0.573	0.802	1.031
47750	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.057	0.080	0.103	0.172	0.343	0.572	0.801	1.029
47760	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.057	0.080	0.103	0.171	0.343	0.571	0.800	1.028
47770	0.000	0.001	0.002	0.006	0.017	0.023	0.029	0.057	0.080	0.103	0.171	0.342	0.570	0.799	1.027
47780	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.057	0.080	0.103	0.171	0.342	0.570	0.798	1.025
47790	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.057	0.080	0.102	0.171	0.341	0.569	0.797	1.024
47800	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.057	0.080	0.102	0.170	0.341	0.568	0.796	1.023
47810	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.057	0.079	0.102	0.170	0.340	0.567	0.794	1.021
47820	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.057	0.079	0.102	0.170	0.340	0.567	0.793	1.020
47830	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.057	0.079	0.102	0.170	0.340	0.566	0.792	1.019
47840	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.057	0.079	0.102	0.170	0.339	0.565	0.791	1.017
47850	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.056	0.079	0.102	0.169	0.339	0.564	0.790	1.016
47860	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.056	0.079	0.101	0.169	0.338	0.564	0.789	1.015
47870	0.000	0.001	0.002	0.006	0.017	0.023	0.028	0.056	0.079	0.101	0.169	0.338	0.563	0.788	1.013
47880	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.079	0.101	0.169	0.337	0.562	0.787	1.012
47890	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.079	0.101	0.168	0.337	0.562	0.786	1.011
47900	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.079	0.101	0.168	0.336	0.561	0.785	1.009

47910	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.078	0.101	0.168	0.336	0.560	0.784	1.008
47920	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.078	0.101	0.168	0.336	0.559	0.783	1.007
47930	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.078	0.101	0.168	0.335	0.559	0.782	1.005
47940	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.078	0.100	0.167	0.335	0.558	0.781	1.004
47950	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.078	0.100	0.167	0.334	0.557	0.780	1.003
47960	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.078	0.100	0.167	0.334	0.556	0.779	1.001
47970	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.056	0.078	0.100	0.167	0.333	0.556	0.778	1.000
47980	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.055	0.078	0.100	0.166	0.333	0.555	0.777	0.999
47990	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.055	0.078	0.100	0.166	0.332	0.554	0.776	0.997
48000	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.055	0.077	0.100	0.166	0.332	0.553	0.775	0.996
48010	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.055	0.077	0.099	0.166	0.332	0.553	0.774	0.995
48020	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.055	0.077	0.099	0.166	0.331	0.552	0.773	0.993
48030	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.055	0.077	0.099	0.165	0.331	0.551	0.772	0.992
48040	0.000	0.001	0.002	0.006	0.017	0.022	0.028	0.055	0.077	0.099	0.165	0.330	0.550	0.771	0.991
48050	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.055	0.077	0.099	0.165	0.330	0.550	0.770	0.989
48060	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.055	0.077	0.099	0.165	0.329	0.549	0.769	0.988
48070	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.055	0.077	0.099	0.164	0.329	0.548	0.767	0.987
48080	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.055	0.077	0.099	0.164	0.328	0.547	0.766	0.985
48090	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.055	0.077	0.098	0.164	0.328	0.547	0.765	0.984
48100	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.055	0.076	0.098	0.164	0.328	0.546	0.764	0.983
48110	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.055	0.076	0.098	0.164	0.327	0.545	0.763	0.981
48120	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.098	0.163	0.327	0.544	0.762	0.980
48130	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.098	0.163	0.326	0.544	0.761	0.979
48140	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.098	0.163	0.326	0.543	0.760	0.977
48150	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.098	0.163	0.325	0.542	0.759	0.976
48160	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.097	0.162	0.325	0.542	0.758	0.975
48170	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.097	0.162	0.324	0.541	0.757	0.973
48180	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.097	0.162	0.324	0.540	0.756	0.972
48190	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.076	0.097	0.162	0.324	0.539	0.755	0.971
48200	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.075	0.097	0.162	0.323	0.539	0.754	0.969

48210	0.000	0.001	0.002	0.005	0.016	0.022	0.027	0.054	0.075	0.097	0.161	0.323	0.538	0.753	0.968
48220	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.054	0.075	0.097	0.161	0.322	0.537	0.752	0.967
48230	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.054	0.075	0.097	0.161	0.322	0.536	0.751	0.965
48240	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.054	0.075	0.096	0.161	0.321	0.536	0.750	0.964
48250	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.053	0.075	0.096	0.160	0.321	0.535	0.749	0.963
48260	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.053	0.075	0.096	0.160	0.321	0.534	0.748	0.962
48270	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.053	0.075	0.096	0.160	0.320	0.533	0.747	0.960
48280	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.053	0.075	0.096	0.160	0.320	0.533	0.746	0.959
48290	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.053	0.074	0.096	0.160	0.319	0.532	0.745	0.958
48300	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.053	0.074	0.096	0.159	0.319	0.531	0.744	0.956
48310	0.000	0.001	0.002	0.005	0.016	0.021	0.027	0.053	0.074	0.095	0.159	0.318	0.530	0.743	0.955
48320	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.053	0.074	0.095	0.159	0.318	0.530	0.742	0.954
48330	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.053	0.074	0.095	0.159	0.317	0.529	0.741	0.952
48340	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.053	0.074	0.095	0.158	0.317	0.528	0.740	0.951
48350	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.053	0.074	0.095	0.158	0.317	0.528	0.739	0.950
48360	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.053	0.074	0.095	0.158	0.316	0.527	0.738	0.948
48370	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.053	0.074	0.095	0.158	0.316	0.526	0.737	0.947
48380	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.053	0.074	0.095	0.158	0.315	0.525	0.735	0.946
48390	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.157	0.315	0.525	0.734	0.944
48400	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.157	0.314	0.524	0.733	0.943
48410	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.157	0.314	0.523	0.732	0.942
48420	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.157	0.313	0.522	0.731	0.940
48430	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.157	0.313	0.522	0.730	0.939
48440	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.156	0.313	0.521	0.729	0.938
48450	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.156	0.312	0.520	0.728	0.936
48460	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.094	0.156	0.312	0.519	0.727	0.935
48470	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.093	0.156	0.311	0.519	0.726	0.934
48480	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.073	0.093	0.155	0.311	0.518	0.725	0.932
48490	0.000	0.001	0.002	0.005	0.016	0.021	0.026	0.052	0.072	0.093	0.155	0.310	0.517	0.724	0.931
48500	0.000	0.001	0.002	0.005	0.015	0.021	0.026	0.052	0.072	0.093	0.155	0.310	0.517	0.723	0.930

48510	0.000	0.001	0.002	0.005	0.015	0.021	0.026	0.052	0.072	0.093	0.155	0.309	0.516	0.722	0.928
48520	0.000	0.001	0.002	0.005	0.015	0.021	0.026	0.052	0.072	0.093	0.155	0.309	0.515	0.721	0.927
48530	0.000	0.001	0.002	0.005	0.015	0.021	0.026	0.051	0.072	0.093	0.154	0.309	0.514	0.720	0.926
48540	0.000	0.001	0.002	0.005	0.015	0.021	0.026	0.051	0.072	0.092	0.154	0.308	0.514	0.719	0.925
48550	0.000	0.001	0.002	0.005	0.015	0.021	0.026	0.051	0.072	0.092	0.154	0.308	0.513	0.718	0.923
48560	0.000	0.001	0.002	0.005	0.015	0.020	0.026	0.051	0.072	0.092	0.154	0.307	0.512	0.717	0.922
48570	0.000	0.001	0.002	0.005	0.015	0.020	0.026	0.051	0.072	0.092	0.153	0.307	0.511	0.716	0.921
48580	0.000	0.001	0.002	0.005	0.015	0.020	0.026	0.051	0.071	0.092	0.153	0.306	0.511	0.715	0.919
48590	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.051	0.071	0.092	0.153	0.306	0.510	0.714	0.918
48600	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.051	0.071	0.092	0.153	0.306	0.509	0.713	0.917
48610	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.051	0.071	0.092	0.153	0.305	0.509	0.712	0.915
48620	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.051	0.071	0.091	0.152	0.305	0.508	0.711	0.914
48630	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.051	0.071	0.091	0.152	0.304	0.507	0.710	0.913
48640	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.051	0.071	0.091	0.152	0.304	0.506	0.709	0.911
48650	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.051	0.071	0.091	0.152	0.303	0.506	0.708	0.910
48660	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.071	0.091	0.151	0.303	0.505	0.707	0.909
48670	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.071	0.091	0.151	0.302	0.504	0.706	0.907
48680	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.091	0.151	0.302	0.503	0.705	0.906
48690	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.151	0.302	0.503	0.704	0.905
48700	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.151	0.301	0.502	0.703	0.903
48710	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.150	0.301	0.501	0.702	0.902
48720	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.150	0.300	0.500	0.701	0.901
48730	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.150	0.300	0.500	0.700	0.900
48740	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.150	0.299	0.499	0.699	0.898
48750	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.149	0.299	0.498	0.698	0.897
48760	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.090	0.149	0.299	0.498	0.697	0.896
48770	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.070	0.089	0.149	0.298	0.497	0.696	0.894
48780	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.069	0.089	0.149	0.298	0.496	0.695	0.893
48790	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.050	0.069	0.089	0.149	0.297	0.495	0.694	0.892
48800	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.049	0.069	0.089	0.148	0.297	0.495	0.693	0.890

48810	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.049	0.069	0.089	0.148	0.296	0.494	0.691	0.889
48820	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.049	0.069	0.089	0.148	0.296	0.493	0.690	0.888
48830	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.049	0.069	0.089	0.148	0.295	0.492	0.689	0.886
48840	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.049	0.069	0.089	0.148	0.295	0.492	0.688	0.885
48850	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.049	0.069	0.088	0.147	0.295	0.491	0.687	0.884
48860	0.000	0.001	0.002	0.005	0.015	0.020	0.025	0.049	0.069	0.088	0.147	0.294	0.490	0.686	0.883
48870	0.000	0.001	0.002	0.005	0.015	0.020	0.024	0.049	0.069	0.088	0.147	0.294	0.490	0.685	0.881
48880	0.000	0.001	0.002	0.005	0.015	0.020	0.024	0.049	0.068	0.088	0.147	0.293	0.489	0.684	0.880
48890	0.000	0.001	0.002	0.005	0.015	0.020	0.024	0.049	0.068	0.088	0.146	0.293	0.488	0.683	0.879
48900	0.000	0.001	0.002	0.005	0.015	0.019	0.024	0.049	0.068	0.088	0.146	0.292	0.487	0.682	0.877
48910	0.000	0.001	0.002	0.005	0.015	0.019	0.024	0.049	0.068	0.088	0.146	0.292	0.487	0.681	0.876
48920	0.000	0.001	0.002	0.005	0.015	0.019	0.024	0.049	0.068	0.087	0.146	0.292	0.486	0.680	0.875
48930	0.000	0.001	0.002	0.005	0.015	0.019	0.024	0.049	0.068	0.087	0.146	0.291	0.485	0.679	0.873
48940	0.000	0.001	0.002	0.005	0.015	0.019	0.024	0.048	0.068	0.087	0.145	0.291	0.484	0.678	0.872
48950	0.000	0.001	0.002	0.005	0.015	0.019	0.024	0.048	0.068	0.087	0.145	0.290	0.484	0.677	0.871
48960	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.068	0.087	0.145	0.290	0.483	0.676	0.869
48970	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.068	0.087	0.145	0.289	0.482	0.675	0.868
48980	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.087	0.144	0.289	0.482	0.674	0.867
48990	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.087	0.144	0.289	0.481	0.673	0.866
49000	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.144	0.288	0.480	0.672	0.864
49010	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.144	0.288	0.479	0.671	0.863
49020	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.144	0.287	0.479	0.670	0.862
49030	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.143	0.287	0.478	0.669	0.860
49040	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.143	0.286	0.477	0.668	0.859
49050	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.143	0.286	0.477	0.667	0.858
49060	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.143	0.285	0.476	0.666	0.856
49070	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.048	0.067	0.086	0.143	0.285	0.475	0.665	0.855
49080	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.047	0.066	0.085	0.142	0.285	0.474	0.664	0.854
49090	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.047	0.066	0.085	0.142	0.284	0.474	0.663	0.852
49100	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.047	0.066	0.085	0.142	0.284	0.473	0.662	0.851

49110	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.047	0.066	0.085	0.142	0.283	0.472	0.661	0.850
49120	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.047	0.066	0.085	0.141	0.283	0.471	0.660	0.849
49130	0.000	0.001	0.002	0.005	0.014	0.019	0.024	0.047	0.066	0.085	0.141	0.282	0.471	0.659	0.847
49140	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.047	0.066	0.085	0.141	0.282	0.470	0.658	0.846
49150	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.047	0.066	0.084	0.141	0.282	0.469	0.657	0.845
49160	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.047	0.066	0.084	0.141	0.281	0.469	0.656	0.843
49170	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.047	0.065	0.084	0.140	0.281	0.468	0.655	0.842
49180	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.047	0.065	0.084	0.140	0.280	0.467	0.654	0.841
49190	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.047	0.065	0.084	0.140	0.280	0.466	0.653	0.839
49200	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.047	0.065	0.084	0.140	0.279	0.466	0.652	0.838
49210	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.046	0.065	0.084	0.139	0.279	0.465	0.651	0.837
49220	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.046	0.065	0.084	0.139	0.279	0.464	0.650	0.836
49230	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.046	0.065	0.083	0.139	0.278	0.463	0.649	0.834
49240	0.000	0.001	0.002	0.005	0.014	0.019	0.023	0.046	0.065	0.083	0.139	0.278	0.463	0.648	0.833
49250	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.065	0.083	0.139	0.277	0.462	0.647	0.832
49260	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.065	0.083	0.138	0.277	0.461	0.646	0.830
49270	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.083	0.138	0.276	0.461	0.645	0.829
49280	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.083	0.138	0.276	0.460	0.644	0.828
49290	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.083	0.138	0.275	0.459	0.643	0.826
49300	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.083	0.138	0.275	0.458	0.642	0.825
49310	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.082	0.137	0.275	0.458	0.641	0.824
49320	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.082	0.137	0.274	0.457	0.640	0.823
49330	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.082	0.137	0.274	0.456	0.639	0.821
49340	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.046	0.064	0.082	0.137	0.273	0.456	0.638	0.820
49350	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.045	0.064	0.082	0.136	0.273	0.455	0.637	0.819
49360	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.045	0.064	0.082	0.136	0.272	0.454	0.636	0.817
49370	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.045	0.063	0.082	0.136	0.272	0.453	0.635	0.816
49380	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.045	0.063	0.081	0.136	0.272	0.453	0.634	0.815
49390	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.045	0.063	0.081	0.136	0.271	0.452	0.633	0.814
49400	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.045	0.063	0.081	0.135	0.271	0.451	0.632	0.812

49410	0.000	0.001	0.002	0.005	0.014	0.018	0.023	0.045	0.063	0.081	0.135	0.270	0.451	0.631	0.811
49420	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.045	0.063	0.081	0.135	0.270	0.450	0.630	0.810
49430	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.045	0.063	0.081	0.135	0.269	0.449	0.629	0.808
49440	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.045	0.063	0.081	0.135	0.269	0.448	0.628	0.807
49450	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.045	0.063	0.081	0.134	0.269	0.448	0.627	0.806
49460	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.045	0.063	0.080	0.134	0.268	0.447	0.626	0.804
49470	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.045	0.062	0.080	0.134	0.268	0.446	0.625	0.803
49480	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.045	0.062	0.080	0.134	0.267	0.445	0.624	0.802
49490	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.080	0.133	0.267	0.445	0.623	0.801
49500	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.080	0.133	0.266	0.444	0.622	0.799
49510	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.080	0.133	0.266	0.443	0.621	0.798
49520	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.080	0.133	0.266	0.443	0.620	0.797
49530	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.080	0.133	0.265	0.442	0.619	0.795
49540	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.079	0.132	0.265	0.441	0.618	0.794
49550	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.079	0.132	0.264	0.440	0.617	0.793
49560	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.062	0.079	0.132	0.264	0.440	0.616	0.792
49570	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.061	0.079	0.132	0.263	0.439	0.615	0.790
49580	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.061	0.079	0.131	0.263	0.438	0.614	0.789
49590	0.000	0.001	0.002	0.004	0.013	0.018	0.022	0.044	0.061	0.079	0.131	0.263	0.438	0.613	0.788
49600	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.044	0.061	0.079	0.131	0.262	0.437	0.612	0.786
49610	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.044	0.061	0.079	0.131	0.262	0.436	0.611	0.785
49620	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.044	0.061	0.078	0.131	0.261	0.435	0.610	0.784
49630	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.043	0.061	0.078	0.130	0.261	0.435	0.609	0.783
49640	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.043	0.061	0.078	0.130	0.260	0.434	0.608	0.781
49650	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.043	0.061	0.078	0.130	0.260	0.433	0.607	0.780
49660	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.043	0.061	0.078	0.130	0.260	0.433	0.606	0.779
49670	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.043	0.060	0.078	0.130	0.259	0.432	0.605	0.777
49680	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.043	0.060	0.078	0.129	0.259	0.431	0.604	0.776
49690	0.000	0.001	0.002	0.004	0.013	0.017	0.022	0.043	0.060	0.077	0.129	0.258	0.430	0.603	0.775
49700	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.043	0.060	0.077	0.129	0.258	0.430	0.602	0.774

49710	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.043	0.060	0.077	0.129	0.257	0.429	0.601	0.772
49720	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.043	0.060	0.077	0.128	0.257	0.428	0.600	0.771
49730	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.043	0.060	0.077	0.128	0.257	0.428	0.599	0.770
49740	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.043	0.060	0.077	0.128	0.256	0.427	0.598	0.768
49750	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.043	0.060	0.077	0.128	0.256	0.426	0.597	0.767
49760	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.043	0.060	0.077	0.128	0.255	0.425	0.596	0.766
49770	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.127	0.255	0.425	0.595	0.765
49780	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.127	0.254	0.424	0.594	0.763
49790	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.127	0.254	0.423	0.593	0.762
49800	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.127	0.254	0.423	0.592	0.761
49810	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.127	0.253	0.422	0.591	0.759
49820	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.126	0.253	0.421	0.590	0.758
49830	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.126	0.252	0.420	0.589	0.757
49840	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.076	0.126	0.252	0.420	0.588	0.756
49850	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.075	0.126	0.251	0.419	0.587	0.754
49860	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.059	0.075	0.125	0.251	0.418	0.586	0.753
49870	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.058	0.075	0.125	0.251	0.418	0.585	0.752
49880	0.000	0.001	0.002	0.004	0.013	0.017	0.021	0.042	0.058	0.075	0.125	0.250	0.417	0.584	0.750
49890	0.000	0.001	0.002	0.004	0.012	0.017	0.021	0.042	0.058	0.075	0.125	0.250	0.416	0.583	0.749
49900	0.000	0.001	0.002	0.004	0.012	0.017	0.021	0.042	0.058	0.075	0.125	0.249	0.415	0.582	0.748
49910	0.000	0.001	0.002	0.004	0.012	0.017	0.021	0.041	0.058	0.075	0.124	0.249	0.415	0.581	0.747
49920	0.000	0.001	0.002	0.004	0.012	0.017	0.021	0.041	0.058	0.075	0.124	0.248	0.414	0.580	0.745
49930	0.000	0.001	0.002	0.004	0.012	0.017	0.021	0.041	0.058	0.074	0.124	0.248	0.413	0.579	0.744
49940	0.000	0.001	0.002	0.004	0.012	0.017	0.021	0.041	0.058	0.074	0.124	0.248	0.413	0.578	0.743
49950	0.000	0.001	0.002	0.004	0.012	0.016	0.021	0.041	0.058	0.074	0.124	0.247	0.412	0.577	0.741
49960	0.000	0.001	0.002	0.004	0.012	0.016	0.021	0.041	0.058	0.074	0.123	0.247	0.411	0.576	0.740
49970	0.000	0.001	0.002	0.004	0.012	0.016	0.021	0.041	0.057	0.074	0.123	0.246	0.410	0.575	0.739
49980	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.041	0.057	0.074	0.123	0.246	0.410	0.574	0.738
49990	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.041	0.057	0.074	0.123	0.245	0.409	0.573	0.736
50000	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.041	0.057	0.074	0.123	0.245	0.408	0.572	0.735

50010	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.041	0.057	0.073	0.122	0.245	0.408	0.571	0.734
50020	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.041	0.057	0.073	0.122	0.244	0.407	0.570	0.732
50030	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.041	0.057	0.073	0.122	0.244	0.406	0.569	0.731
50040	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.041	0.057	0.073	0.122	0.243	0.406	0.568	0.730
50050	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.057	0.073	0.121	0.243	0.405	0.567	0.729
50060	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.057	0.073	0.121	0.242	0.404	0.566	0.727
50070	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.073	0.121	0.242	0.403	0.565	0.726
50080	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.121	0.242	0.403	0.564	0.725
50090	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.121	0.241	0.402	0.563	0.724
50100	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.120	0.241	0.401	0.562	0.722
50110	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.120	0.240	0.401	0.561	0.721
50120	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.120	0.240	0.400	0.560	0.720
50130	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.120	0.239	0.399	0.559	0.718
50140	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.120	0.239	0.398	0.558	0.717
50150	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.072	0.119	0.239	0.398	0.557	0.716
50160	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.056	0.071	0.119	0.238	0.397	0.556	0.715
50170	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.055	0.071	0.119	0.238	0.396	0.555	0.713
50180	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.040	0.055	0.071	0.119	0.237	0.396	0.554	0.712
50190	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.039	0.055	0.071	0.118	0.237	0.395	0.553	0.711
50200	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.039	0.055	0.071	0.118	0.236	0.394	0.552	0.709
50210	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.039	0.055	0.071	0.118	0.236	0.393	0.551	0.708
50220	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.039	0.055	0.071	0.118	0.236	0.393	0.550	0.707
50230	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.039	0.055	0.071	0.118	0.235	0.392	0.549	0.706
50240	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.039	0.055	0.070	0.117	0.235	0.391	0.548	0.704
50250	0.000	0.001	0.002	0.004	0.012	0.016	0.020	0.039	0.055	0.070	0.117	0.234	0.391	0.547	0.703
50260	0.000	0.001	0.002	0.004	0.012	0.016	0.019	0.039	0.055	0.070	0.117	0.234	0.390	0.546	0.702
50270	0.000	0.001	0.002	0.004	0.012	0.016	0.019	0.039	0.054	0.070	0.117	0.234	0.389	0.545	0.701
50280	0.000	0.001	0.002	0.004	0.012	0.016	0.019	0.039	0.054	0.070	0.117	0.233	0.388	0.544	0.699
50290	0.000	0.001	0.002	0.004	0.012	0.016	0.019	0.039	0.054	0.070	0.116	0.233	0.388	0.543	0.698
50300	0.000	0.001	0.002	0.004	0.012	0.015	0.019	0.039	0.054	0.070	0.116	0.232	0.387	0.542	0.697

50310	0.000	0.001	0.002	0.004	0.012	0.015	0.019	0.039	0.054	0.070	0.116	0.232	0.386	0.541	0.695
50320	0.000	0.001	0.002	0.004	0.012	0.015	0.019	0.039	0.054	0.069	0.116	0.231	0.386	0.540	0.694
50330	0.000	0.001	0.002	0.004	0.012	0.015	0.019	0.038	0.054	0.069	0.115	0.231	0.385	0.539	0.693
50340	0.000	0.001	0.002	0.004	0.012	0.015	0.019	0.038	0.054	0.069	0.115	0.231	0.384	0.538	0.692
50350	0.000	0.001	0.002	0.004	0.012	0.015	0.019	0.038	0.054	0.069	0.115	0.230	0.384	0.537	0.690
50360	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.054	0.069	0.115	0.230	0.383	0.536	0.689
50370	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.069	0.115	0.229	0.382	0.535	0.688
50380	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.069	0.114	0.229	0.381	0.534	0.687
50390	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.069	0.114	0.228	0.381	0.533	0.685
50400	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.114	0.228	0.380	0.532	0.684
50410	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.114	0.228	0.379	0.531	0.683
50420	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.114	0.227	0.379	0.530	0.681
50430	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.113	0.227	0.378	0.529	0.680
50440	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.113	0.226	0.377	0.528	0.679
50450	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.113	0.226	0.376	0.527	0.678
50460	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.113	0.225	0.376	0.526	0.676
50470	0.000	0.001	0.002	0.004	0.011	0.015	0.019	0.038	0.053	0.068	0.113	0.225	0.375	0.525	0.675
50480	0.000	0.001	0.001	0.004	0.011	0.015	0.019	0.037	0.052	0.067	0.112	0.225	0.374	0.524	0.674
50490	0.000	0.001	0.001	0.004	0.011	0.015	0.019	0.037	0.052	0.067	0.112	0.224	0.374	0.523	0.673
50500	0.000	0.001	0.001	0.004	0.011	0.015	0.019	0.037	0.052	0.067	0.112	0.224	0.373	0.522	0.671
50510	0.000	0.001	0.001	0.004	0.011	0.015	0.019	0.037	0.052	0.067	0.112	0.223	0.372	0.521	0.670
50520	0.000	0.001	0.001	0.004	0.011	0.015	0.019	0.037	0.052	0.067	0.111	0.223	0.372	0.520	0.669
50530	0.000	0.001	0.001	0.004	0.011	0.015	0.019	0.037	0.052	0.067	0.111	0.223	0.371	0.519	0.668
50540	0.000	0.001	0.001	0.004	0.011	0.015	0.019	0.037	0.052	0.067	0.111	0.222	0.370	0.518	0.666
50550	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.037	0.052	0.066	0.111	0.222	0.369	0.517	0.665
50560	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.037	0.052	0.066	0.111	0.221	0.369	0.516	0.664
50570	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.037	0.052	0.066	0.110	0.221	0.368	0.515	0.662
50580	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.037	0.051	0.066	0.110	0.220	0.367	0.514	0.661
50590	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.037	0.051	0.066	0.110	0.220	0.367	0.513	0.660
50600	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.037	0.051	0.066	0.110	0.220	0.366	0.512	0.659

50610	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.037	0.051	0.066	0.110	0.219	0.365	0.511	0.657
50620	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.036	0.051	0.066	0.109	0.219	0.365	0.510	0.656
50630	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.036	0.051	0.065	0.109	0.218	0.364	0.509	0.655
50640	0.000	0.001	0.001	0.004	0.011	0.015	0.018	0.036	0.051	0.065	0.109	0.218	0.363	0.508	0.654
50650	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.051	0.065	0.109	0.217	0.362	0.507	0.652
50660	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.051	0.065	0.109	0.217	0.362	0.506	0.651
50670	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.051	0.065	0.108	0.217	0.361	0.505	0.650
50680	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.065	0.108	0.216	0.360	0.504	0.649
50690	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.065	0.108	0.216	0.360	0.503	0.647
50700	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.065	0.108	0.215	0.359	0.502	0.646
50710	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.064	0.107	0.215	0.358	0.501	0.645
50720	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.064	0.107	0.214	0.357	0.500	0.643
50730	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.064	0.107	0.214	0.357	0.500	0.642
50740	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.064	0.107	0.214	0.356	0.499	0.641
50750	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.036	0.050	0.064	0.107	0.213	0.355	0.498	0.640
50760	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.035	0.050	0.064	0.106	0.213	0.355	0.497	0.638
50770	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.035	0.050	0.064	0.106	0.212	0.354	0.496	0.637
50780	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.035	0.049	0.064	0.106	0.212	0.353	0.495	0.636
50790	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.035	0.049	0.063	0.106	0.212	0.353	0.494	0.635
50800	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.035	0.049	0.063	0.106	0.211	0.352	0.493	0.633
50810	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.035	0.049	0.063	0.105	0.211	0.351	0.492	0.632
50820	0.000	0.001	0.001	0.004	0.011	0.014	0.018	0.035	0.049	0.063	0.105	0.210	0.350	0.491	0.631
50830	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.035	0.049	0.063	0.105	0.210	0.350	0.490	0.630
50840	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.035	0.049	0.063	0.105	0.209	0.349	0.489	0.628
50850	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.035	0.049	0.063	0.105	0.209	0.348	0.488	0.627
50860	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.035	0.049	0.063	0.104	0.209	0.348	0.487	0.626
50870	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.035	0.049	0.062	0.104	0.208	0.347	0.486	0.625
50880	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.035	0.048	0.062	0.104	0.208	0.346	0.485	0.623
50890	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.035	0.048	0.062	0.104	0.207	0.346	0.484	0.622
50900	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.062	0.103	0.207	0.345	0.483	0.621

50910	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.062	0.103	0.207	0.344	0.482	0.620
50920	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.062	0.103	0.206	0.343	0.481	0.618
50930	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.062	0.103	0.206	0.343	0.480	0.617
50940	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.062	0.103	0.205	0.342	0.479	0.616
50950	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.061	0.102	0.205	0.341	0.478	0.614
50960	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.061	0.102	0.204	0.341	0.477	0.613
50970	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.048	0.061	0.102	0.204	0.340	0.476	0.612
50980	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.047	0.061	0.102	0.204	0.339	0.475	0.611
50990	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.047	0.061	0.102	0.203	0.339	0.474	0.609
51000	0.000	0.001	0.001	0.003	0.010	0.014	0.017	0.034	0.047	0.061	0.101	0.203	0.338	0.473	0.608
51010	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.034	0.047	0.061	0.101	0.202	0.337	0.472	0.607
51020	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.034	0.047	0.061	0.101	0.202	0.336	0.471	0.606
51030	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.034	0.047	0.060	0.101	0.201	0.336	0.470	0.604
51040	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.034	0.047	0.060	0.101	0.201	0.335	0.469	0.603
51050	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.033	0.047	0.060	0.100	0.201	0.334	0.468	0.602
51060	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.033	0.047	0.060	0.100	0.200	0.334	0.467	0.601
51070	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.033	0.047	0.060	0.100	0.200	0.333	0.466	0.599
51080	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.033	0.047	0.060	0.100	0.199	0.332	0.465	0.598
51090	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.033	0.046	0.060	0.099	0.199	0.332	0.464	0.597
51100	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.033	0.046	0.060	0.099	0.199	0.331	0.463	0.596
51110	0.000	0.001	0.001	0.003	0.010	0.013	0.017	0.033	0.046	0.059	0.099	0.198	0.330	0.462	0.594
51120	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.033	0.046	0.059	0.099	0.198	0.330	0.461	0.593
51130	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.033	0.046	0.059	0.099	0.197	0.329	0.460	0.592
51140	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.033	0.046	0.059	0.098	0.197	0.328	0.459	0.591
51150	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.033	0.046	0.059	0.098	0.196	0.327	0.458	0.589
51160	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.033	0.046	0.059	0.098	0.196	0.327	0.457	0.588
51170	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.033	0.046	0.059	0.098	0.196	0.326	0.456	0.587
51180	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.033	0.046	0.059	0.098	0.195	0.325	0.455	0.586
51190	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.097	0.195	0.325	0.454	0.584
51200	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.097	0.194	0.324	0.454	0.583

F1210	0.000	0.001	0.001	0.002	0.010	0.013	0.016	0.022	0.045	0.050	0.007	0.104	0.222	0.452	0.502
51210	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.097	0.194	0.323	0.453	0.582
51220	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.097	0.194	0.323	0.452	0.581
51230	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.097	0.193	0.322	0.451	0.579
51240	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.096	0.193	0.321	0.450	0.578
51250	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.096	0.192	0.320	0.449	0.577
51260	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.058	0.096	0.192	0.320	0.448	0.576
51270	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.057	0.096	0.191	0.319	0.447	0.574
51280	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.045	0.057	0.096	0.191	0.318	0.446	0.573
51290	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.044	0.057	0.095	0.191	0.318	0.445	0.572
51300	0.000	0.001	0.001	0.003	0.010	0.013	0.016	0.032	0.044	0.057	0.095	0.190	0.317	0.444	0.571
51310	0.000	0.001	0.001	0.003	0.009	0.013	0.016	0.032	0.044	0.057	0.095	0.190	0.316	0.443	0.569
51320	0.000	0.001	0.001	0.003	0.009	0.013	0.016	0.032	0.044	0.057	0.095	0.189	0.316	0.442	0.568
51330	0.000	0.001	0.001	0.003	0.009	0.013	0.016	0.031	0.044	0.057	0.094	0.189	0.315	0.441	0.567
51340	0.000	0.001	0.001	0.003	0.009	0.013	0.016	0.031	0.044	0.057	0.094	0.189	0.314	0.440	0.566
51350	0.000	0.001	0.001	0.003	0.009	0.013	0.016	0.031	0.044	0.056	0.094	0.188	0.313	0.439	0.564
51360	0.000	0.001	0.001	0.003	0.009	0.013	0.016	0.031	0.044	0.056	0.094	0.188	0.313	0.438	0.563
51370	0.000	0.001	0.001	0.003	0.009	0.012	0.016	0.031	0.044	0.056	0.094	0.187	0.312	0.437	0.562
51380	0.000	0.001	0.001	0.003	0.009	0.012	0.016	0.031	0.044	0.056	0.093	0.187	0.311	0.436	0.561
51390	0.000	0.001	0.001	0.003	0.009	0.012	0.016	0.031	0.044	0.056	0.093	0.186	0.311	0.435	0.559
51400	0.000	0.001	0.001	0.003	0.009	0.012	0.016	0.031	0.043	0.056	0.093	0.186	0.310	0.434	0.558
51410	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.031	0.043	0.056	0.093	0.186	0.309	0.433	0.557
51420	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.031	0.043	0.056	0.093	0.185	0.309	0.432	0.556
51430	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.031	0.043	0.055	0.092	0.185	0.308	0.431	0.554
51440	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.031	0.043	0.055	0.092	0.184	0.307	0.430	0.553
51450	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.031	0.043	0.055	0.092	0.184	0.307	0.429	0.552
51460	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.031	0.043	0.055	0.092	0.184	0.306	0.428	0.551
51470	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.031	0.043	0.055	0.092	0.183	0.305	0.427	0.549
51480	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.043	0.055	0.091	0.183	0.304	0.426	0.548
51490	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.043	0.055	0.091	0.182	0.304	0.425	0.547
51500	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.055	0.091	0.182	0.303	0.424	0.546

51510	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.091	0.181	0.302	0.423	0.544
51520	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.091	0.181	0.302	0.422	0.543
51530	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.090	0.181	0.301	0.421	0.542
51540	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.090	0.180	0.300	0.420	0.541
51550	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.090	0.180	0.300	0.419	0.539
51560	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.090	0.179	0.299	0.418	0.538
51570	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.089	0.179	0.298	0.418	0.537
51580	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.054	0.089	0.179	0.298	0.417	0.536
51590	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.042	0.053	0.089	0.178	0.297	0.416	0.534
51600	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.041	0.053	0.089	0.178	0.296	0.415	0.533
51610	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.030	0.041	0.053	0.089	0.177	0.295	0.414	0.532
51620	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.029	0.041	0.053	0.088	0.177	0.295	0.413	0.531
51630	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.029	0.041	0.053	0.088	0.176	0.294	0.412	0.529
51640	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.029	0.041	0.053	0.088	0.176	0.293	0.411	0.528
51650	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.029	0.041	0.053	0.088	0.176	0.293	0.410	0.527
51660	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.029	0.041	0.053	0.088	0.175	0.292	0.409	0.526
51670	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.029	0.041	0.052	0.087	0.175	0.291	0.408	0.524
51680	0.000	0.001	0.001	0.003	0.009	0.012	0.015	0.029	0.041	0.052	0.087	0.174	0.291	0.407	0.523
51690	0.000	0.001	0.001	0.003	0.009	0.012	0.014	0.029	0.041	0.052	0.087	0.174	0.290	0.406	0.522
51700	0.000	0.001	0.001	0.003	0.009	0.012	0.014	0.029	0.040	0.052	0.087	0.174	0.289	0.405	0.521
51710	0.000	0.001	0.001	0.003	0.009	0.012	0.014	0.029	0.040	0.052	0.087	0.173	0.289	0.404	0.519
51720	0.000	0.001	0.001	0.003	0.009	0.012	0.014	0.029	0.040	0.052	0.086	0.173	0.288	0.403	0.518
51730	0.000	0.001	0.001	0.003	0.009	0.011	0.014	0.029	0.040	0.052	0.086	0.172	0.287	0.402	0.517
51740	0.000	0.001	0.001	0.003	0.009	0.011	0.014	0.029	0.040	0.052	0.086	0.172	0.286	0.401	0.516
51750	0.000	0.001	0.001	0.003	0.009	0.011	0.014	0.029	0.040	0.051	0.086	0.171	0.286	0.400	0.514
51760	0.000	0.001	0.001	0.003	0.009	0.011	0.014	0.029	0.040	0.051	0.086	0.171	0.285	0.399	0.513
51770	0.000	0.001	0.001	0.003	0.009	0.011	0.014	0.028	0.040	0.051	0.085	0.171	0.284	0.398	0.512
51780	0.000	0.001	0.001	0.003	0.009	0.011	0.014	0.028	0.040	0.051	0.085	0.170	0.284	0.397	0.511
51790	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.040	0.051	0.085	0.170	0.283	0.396	0.509
51800	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.040	0.051	0.085	0.169	0.282	0.395	0.508

51810	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.051	0.084	0.169	0.282	0.394	0.507
51820	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.051	0.084	0.169	0.281	0.393	0.506
51830	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.084	0.168	0.280	0.392	0.504
51840	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.084	0.168	0.280	0.391	0.503
51850	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.084	0.167	0.279	0.390	0.502
51860	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.083	0.167	0.278	0.389	0.501
51870	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.083	0.167	0.278	0.389	0.500
51880	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.083	0.166	0.277	0.388	0.498
51890	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.083	0.166	0.276	0.387	0.497
51900	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.028	0.039	0.050	0.083	0.165	0.275	0.386	0.496
51910	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.027	0.038	0.049	0.082	0.165	0.275	0.385	0.495
51920	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.027	0.038	0.049	0.082	0.164	0.274	0.384	0.493
51930	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.027	0.038	0.049	0.082	0.164	0.273	0.383	0.492
51940	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.027	0.038	0.049	0.082	0.164	0.273	0.382	0.491
51950	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.027	0.038	0.049	0.082	0.163	0.272	0.381	0.490
51960	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.027	0.038	0.049	0.081	0.163	0.271	0.380	0.488
51970	0.000	0.001	0.001	0.003	0.008	0.011	0.014	0.027	0.038	0.049	0.081	0.162	0.271	0.379	0.487
51980	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.038	0.049	0.081	0.162	0.270	0.378	0.486
51990	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.038	0.048	0.081	0.162	0.269	0.377	0.485
52000	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.038	0.048	0.081	0.161	0.269	0.376	0.483
52010	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.038	0.048	0.080	0.161	0.268	0.375	0.482
52020	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.037	0.048	0.080	0.160	0.267	0.374	0.481
52030	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.037	0.048	0.080	0.160	0.266	0.373	0.480
52040	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.037	0.048	0.080	0.159	0.266	0.372	0.478
52050	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.027	0.037	0.048	0.080	0.159	0.265	0.371	0.477
52060	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.026	0.037	0.048	0.079	0.159	0.264	0.370	0.476
52070	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.026	0.037	0.047	0.079	0.158	0.264	0.369	0.475
52080	0.000	0.001	0.001	0.003	0.008	0.011	0.013	0.026	0.037	0.047	0.079	0.158	0.263	0.368	0.473
52090	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.037	0.047	0.079	0.157	0.262	0.367	0.472
52100	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.037	0.047	0.079	0.157	0.262	0.366	0.471

52110	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.037	0.047	0.078	0.157	0.261	0.365	0.470
52120	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.047	0.078	0.156	0.260	0.364	0.469
52130	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.047	0.078	0.156	0.260	0.363	0.467
52140	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.047	0.078	0.155	0.259	0.362	0.466
52150	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.046	0.077	0.155	0.258	0.362	0.465
52160	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.046	0.077	0.155	0.258	0.361	0.464
52170	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.046	0.077	0.154	0.257	0.360	0.462
52180	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.046	0.077	0.154	0.256	0.359	0.461
52190	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.026	0.036	0.046	0.077	0.153	0.255	0.358	0.460
52200	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.036	0.046	0.076	0.153	0.255	0.357	0.459
52210	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.036	0.046	0.076	0.152	0.254	0.356	0.457
52220	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.035	0.046	0.076	0.152	0.253	0.355	0.456
52230	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.035	0.045	0.076	0.152	0.253	0.354	0.455
52240	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.035	0.045	0.076	0.151	0.252	0.353	0.454
52250	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.035	0.045	0.075	0.151	0.251	0.352	0.452
52260	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.035	0.045	0.075	0.150	0.251	0.351	0.451
52270	0.000	0.001	0.001	0.003	0.008	0.010	0.013	0.025	0.035	0.045	0.075	0.150	0.250	0.350	0.450
52280	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.025	0.035	0.045	0.075	0.150	0.249	0.349	0.449
52290	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.025	0.035	0.045	0.075	0.149	0.249	0.348	0.448
52300	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.025	0.035	0.045	0.074	0.149	0.248	0.347	0.446
52310	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.025	0.035	0.045	0.074	0.148	0.247	0.346	0.445
52320	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.025	0.035	0.044	0.074	0.148	0.247	0.345	0.444
52330	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.025	0.034	0.044	0.074	0.148	0.246	0.344	0.443
52340	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.025	0.034	0.044	0.074	0.147	0.245	0.343	0.441
52350	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.044	0.073	0.147	0.245	0.342	0.440
52360	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.044	0.073	0.146	0.244	0.341	0.439
52370	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.044	0.073	0.146	0.243	0.340	0.438
52380	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.044	0.073	0.145	0.242	0.339	0.436
52390	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.044	0.073	0.145	0.242	0.338	0.435
52400	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.043	0.072	0.145	0.241	0.338	0.434

52410	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.043	0.072	0.144	0.240	0.337	0.433
52420	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.034	0.043	0.072	0.144	0.240	0.336	0.432
52430	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.033	0.043	0.072	0.143	0.239	0.335	0.430
52440	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.033	0.043	0.072	0.143	0.238	0.334	0.429
52450	0.000	0.000	0.001	0.002	0.007	0.010	0.012	0.024	0.033	0.043	0.071	0.143	0.238	0.333	0.428
52460	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.024	0.033	0.043	0.071	0.142	0.237	0.332	0.427
52470	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.024	0.033	0.043	0.071	0.142	0.236	0.331	0.425
52480	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.024	0.033	0.042	0.071	0.141	0.236	0.330	0.424
52490	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.033	0.042	0.070	0.141	0.235	0.329	0.423
52500	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.033	0.042	0.070	0.141	0.234	0.328	0.422
52510	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.033	0.042	0.070	0.140	0.234	0.327	0.420
52520	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.033	0.042	0.070	0.140	0.233	0.326	0.419
52530	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.033	0.042	0.070	0.139	0.232	0.325	0.418
52540	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.032	0.042	0.069	0.139	0.232	0.324	0.417
52550	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.032	0.042	0.069	0.139	0.231	0.323	0.416
52560	0.000	0.000	0.001	0.002	0.007	0.009	0.012	0.023	0.032	0.041	0.069	0.138	0.230	0.322	0.414
52570	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.023	0.032	0.041	0.069	0.138	0.229	0.321	0.413
52580	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.023	0.032	0.041	0.069	0.137	0.229	0.320	0.412
52590	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.023	0.032	0.041	0.068	0.137	0.228	0.319	0.411
52600	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.023	0.032	0.041	0.068	0.136	0.227	0.318	0.409
52610	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.023	0.032	0.041	0.068	0.136	0.227	0.317	0.408
52620	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.023	0.032	0.041	0.068	0.136	0.226	0.316	0.407
52630	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.023	0.032	0.041	0.068	0.135	0.225	0.316	0.406
52640	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.067	0.135	0.225	0.315	0.404
52650	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.067	0.134	0.224	0.314	0.403
52660	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.067	0.134	0.223	0.313	0.402
52670	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.067	0.134	0.223	0.312	0.401
52680	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.067	0.133	0.222	0.311	0.400
52690	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.066	0.133	0.221	0.310	0.398
52700	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.066	0.132	0.221	0.309	0.397

52710	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.040	0.066	0.132	0.220	0.308	0.396
52720	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.039	0.066	0.132	0.219	0.307	0.395
52730	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.039	0.066	0.131	0.219	0.306	0.393
52740	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.031	0.039	0.065	0.131	0.218	0.305	0.392
52750	0.000	0.000	0.001	0.002	0.007	0.009	0.011	0.022	0.030	0.039	0.065	0.130	0.217	0.304	0.391
52760	0.000	0.000	0.001	0.002	0.006	0.009	0.011	0.022	0.030	0.039	0.065	0.130	0.217	0.303	0.390
52770	0.000	0.000	0.001	0.002	0.006	0.009	0.011	0.022	0.030	0.039	0.065	0.130	0.216	0.302	0.389
52780	0.000	0.000	0.001	0.002	0.006	0.009	0.011	0.022	0.030	0.039	0.065	0.129	0.215	0.301	0.387
52790	0.000	0.000	0.001	0.002	0.006	0.009	0.011	0.021	0.030	0.039	0.064	0.129	0.214	0.300	0.386
52800	0.000	0.000	0.001	0.002	0.006	0.009	0.011	0.021	0.030	0.038	0.064	0.128	0.214	0.299	0.385
52810	0.000	0.000	0.001	0.002	0.006	0.009	0.011	0.021	0.030	0.038	0.064	0.128	0.213	0.298	0.384
52820	0.000	0.000	0.001	0.002	0.006	0.008	0.011	0.021	0.030	0.038	0.064	0.127	0.212	0.297	0.382
52830	0.000	0.000	0.001	0.002	0.006	0.008	0.011	0.021	0.030	0.038	0.064	0.127	0.212	0.296	0.381
52840	0.000	0.000	0.001	0.002	0.006	0.008	0.011	0.021	0.030	0.038	0.063	0.127	0.211	0.295	0.380
52850	0.000	0.000	0.001	0.002	0.006	0.008	0.011	0.021	0.029	0.038	0.063	0.126	0.210	0.295	0.379
52860	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.021	0.029	0.038	0.063	0.126	0.210	0.294	0.377
52870	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.021	0.029	0.038	0.063	0.125	0.209	0.293	0.376
52880	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.021	0.029	0.038	0.063	0.125	0.208	0.292	0.375
52890	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.021	0.029	0.037	0.062	0.125	0.208	0.291	0.374
52900	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.021	0.029	0.037	0.062	0.124	0.207	0.290	0.373
52910	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.021	0.029	0.037	0.062	0.124	0.206	0.289	0.371
52920	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.021	0.029	0.037	0.062	0.123	0.206	0.288	0.370
52930	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.029	0.037	0.061	0.123	0.205	0.287	0.369
52940	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.029	0.037	0.061	0.123	0.204	0.286	0.368
52950	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.029	0.037	0.061	0.122	0.204	0.285	0.366
52960	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.037	0.061	0.122	0.203	0.284	0.365
52970	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.061	0.121	0.202	0.283	0.364
52980	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.060	0.121	0.202	0.282	0.363
52990	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.060	0.121	0.201	0.281	0.362
53000	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.060	0.120	0.200	0.280	0.360

53010	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.060	0.120	0.200	0.279	0.359
53020	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.060	0.119	0.199	0.278	0.358
53030	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.059	0.119	0.198	0.277	0.357
53040	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.036	0.059	0.118	0.197	0.276	0.355
53050	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.028	0.035	0.059	0.118	0.197	0.276	0.354
53060	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.027	0.035	0.059	0.118	0.196	0.275	0.353
53070	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.020	0.027	0.035	0.059	0.117	0.195	0.274	0.352
53080	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.035	0.058	0.117	0.195	0.273	0.351
53090	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.035	0.058	0.116	0.194	0.272	0.349
53100	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.035	0.058	0.116	0.193	0.271	0.348
53110	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.035	0.058	0.116	0.193	0.270	0.347
53120	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.035	0.058	0.115	0.192	0.269	0.346
53130	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.034	0.057	0.115	0.191	0.268	0.344
53140	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.034	0.057	0.114	0.191	0.267	0.343
53150	0.000	0.000	0.001	0.002	0.006	0.008	0.010	0.019	0.027	0.034	0.057	0.114	0.190	0.266	0.342
53160	0.000	0.000	0.001	0.002	0.006	0.008	0.009	0.019	0.027	0.034	0.057	0.114	0.189	0.265	0.341
53170	0.000	0.000	0.001	0.002	0.006	0.008	0.009	0.019	0.026	0.034	0.057	0.113	0.189	0.264	0.340
53180	0.000	0.000	0.001	0.002	0.006	0.008	0.009	0.019	0.026	0.034	0.056	0.113	0.188	0.263	0.338
53190	0.000	0.000	0.001	0.002	0.006	0.007	0.009	0.019	0.026	0.034	0.056	0.112	0.187	0.262	0.337
53200	0.000	0.000	0.001	0.002	0.006	0.007	0.009	0.019	0.026	0.034	0.056	0.112	0.187	0.261	0.336
53210	0.000	0.000	0.001	0.002	0.006	0.007	0.009	0.019	0.026	0.033	0.056	0.112	0.186	0.260	0.335
53220	0.000	0.000	0.001	0.002	0.006	0.007	0.009	0.019	0.026	0.033	0.056	0.111	0.185	0.259	0.333
53230	0.000	0.000	0.001	0.002	0.006	0.007	0.009	0.018	0.026	0.033	0.055	0.111	0.185	0.258	0.332
53240	0.000	0.000	0.001	0.002	0.006	0.007	0.009	0.018	0.026	0.033	0.055	0.110	0.184	0.257	0.331
53250	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.026	0.033	0.055	0.110	0.183	0.257	0.330
53260	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.026	0.033	0.055	0.110	0.183	0.256	0.329
53270	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.033	0.055	0.109	0.182	0.255	0.327
53280	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.033	0.054	0.109	0.181	0.254	0.326
53290	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.054	0.108	0.181	0.253	0.325
53300	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.054	0.108	0.180	0.252	0.324

53310	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.054	0.107	0.179	0.251	0.322
53320	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.054	0.107	0.178	0.250	0.321
53330	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.053	0.107	0.178	0.249	0.320
53340	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.053	0.106	0.177	0.248	0.319
53350	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.053	0.106	0.176	0.247	0.318
53360	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.053	0.105	0.176	0.246	0.316
53370	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.018	0.025	0.032	0.053	0.105	0.175	0.245	0.315
53380	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.017	0.024	0.031	0.052	0.105	0.174	0.244	0.314
53390	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.017	0.024	0.031	0.052	0.104	0.174	0.243	0.313
53400	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.017	0.024	0.031	0.052	0.104	0.173	0.242	0.312
53410	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.017	0.024	0.031	0.052	0.103	0.172	0.241	0.310
53420	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.017	0.024	0.031	0.052	0.103	0.172	0.240	0.309
53430	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.017	0.024	0.031	0.051	0.103	0.171	0.239	0.308
53440	0.000	0.000	0.001	0.002	0.005	0.007	0.009	0.017	0.024	0.031	0.051	0.102	0.170	0.239	0.307
53450	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.017	0.024	0.031	0.051	0.102	0.170	0.238	0.305
53460	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.017	0.024	0.030	0.051	0.101	0.169	0.237	0.304
53470	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.017	0.024	0.030	0.051	0.101	0.168	0.236	0.303
53480	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.017	0.023	0.030	0.050	0.101	0.168	0.235	0.302
53490	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.017	0.023	0.030	0.050	0.100	0.167	0.234	0.301
53500	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.017	0.023	0.030	0.050	0.100	0.166	0.233	0.299
53510	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.017	0.023	0.030	0.050	0.099	0.166	0.232	0.298
53520	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.016	0.023	0.030	0.049	0.099	0.165	0.231	0.297
53530	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.016	0.023	0.030	0.049	0.099	0.164	0.230	0.296
53540	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.016	0.023	0.029	0.049	0.098	0.164	0.229	0.295
53550	0.000	0.000	0.001	0.002	0.005	0.007	0.008	0.016	0.023	0.029	0.049	0.098	0.163	0.228	0.293
53560	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.023	0.029	0.049	0.097	0.162	0.227	0.292
53570	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.023	0.029	0.048	0.097	0.162	0.226	0.291
53580	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.023	0.029	0.048	0.097	0.161	0.225	0.290
53590	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.029	0.048	0.096	0.160	0.224	0.288
53600	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.029	0.048	0.096	0.160	0.223	0.287

53610	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.029	0.048	0.095	0.159	0.222	0.286
53620	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.028	0.047	0.095	0.158	0.221	0.285
53630	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.028	0.047	0.095	0.158	0.221	0.284
53640	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.028	0.047	0.094	0.157	0.220	0.282
53650	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.028	0.047	0.094	0.156	0.219	0.281
53660	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.016	0.022	0.028	0.047	0.093	0.156	0.218	0.280
53670	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.022	0.028	0.046	0.093	0.155	0.217	0.279
53680	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.022	0.028	0.046	0.093	0.154	0.216	0.278
53690	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.021	0.028	0.046	0.092	0.153	0.215	0.276
53700	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.021	0.028	0.046	0.092	0.153	0.214	0.275
53710	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.021	0.027	0.046	0.091	0.152	0.213	0.274
53720	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.021	0.027	0.045	0.091	0.151	0.212	0.273
53730	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.021	0.027	0.045	0.090	0.151	0.211	0.271
53740	0.000	0.000	0.001	0.002	0.005	0.006	0.008	0.015	0.021	0.027	0.045	0.090	0.150	0.210	0.270
53750	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.015	0.021	0.027	0.045	0.090	0.149	0.209	0.269
53760	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.015	0.021	0.027	0.045	0.089	0.149	0.208	0.268
53770	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.015	0.021	0.027	0.044	0.089	0.148	0.207	0.267
53780	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.015	0.021	0.027	0.044	0.088	0.147	0.206	0.265
53790	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.015	0.021	0.026	0.044	0.088	0.147	0.205	0.264
53800	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.015	0.020	0.026	0.044	0.088	0.146	0.205	0.263
53810	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.015	0.020	0.026	0.044	0.087	0.145	0.204	0.262
53820	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.026	0.043	0.087	0.145	0.203	0.261
53830	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.026	0.043	0.086	0.144	0.202	0.259
53840	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.026	0.043	0.086	0.143	0.201	0.258
53850	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.026	0.043	0.086	0.143	0.200	0.257
53860	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.026	0.043	0.085	0.142	0.199	0.256
53870	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.025	0.042	0.085	0.141	0.198	0.254
53880	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.025	0.042	0.084	0.141	0.197	0.253
53890	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.025	0.042	0.084	0.140	0.196	0.252
53900	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.020	0.025	0.042	0.084	0.139	0.195	0.251

53910	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.019	0.025	0.042	0.083	0.139	0.194	0.250
53920	0.000	0.000	0.001	0.001	0.004	0.006	0.007	0.014	0.019	0.025	0.041	0.083	0.138	0.193	0.248
53930	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.014	0.019	0.025	0.041	0.082	0.137	0.192	0.247
53940	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.014	0.019	0.025	0.041	0.082	0.137	0.191	0.246
53950	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.014	0.019	0.024	0.041	0.082	0.136	0.190	0.245
53960	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.014	0.019	0.024	0.041	0.081	0.135	0.189	0.244
53970	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.013	0.019	0.024	0.040	0.081	0.135	0.188	0.242
53980	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.013	0.019	0.024	0.040	0.080	0.134	0.188	0.241
53990	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.013	0.019	0.024	0.040	0.080	0.133	0.187	0.240
54000	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.013	0.019	0.024	0.040	0.080	0.133	0.186	0.239
54010	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.013	0.018	0.024	0.040	0.079	0.132	0.185	0.238
54020	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.013	0.018	0.024	0.039	0.079	0.131	0.184	0.236
54030	0.000	0.000	0.001	0.001	0.004	0.005	0.007	0.013	0.018	0.024	0.039	0.078	0.131	0.183	0.235
54040	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.039	0.078	0.130	0.182	0.234
54050	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.039	0.078	0.129	0.181	0.233
54060	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.039	0.077	0.129	0.180	0.231
54070	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.038	0.077	0.128	0.179	0.230
54080	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.038	0.076	0.127	0.178	0.229
54090	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.038	0.076	0.127	0.177	0.228
54100	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.038	0.076	0.126	0.176	0.227
54110	0.000	0.000	0.001	0.001	0.004	0.005	0.006	0.013	0.018	0.023	0.038	0.075	0.125	0.175	0.225
54120	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.037	0.075	0.125	0.174	0.224
54130	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.037	0.074	0.124	0.173	0.223
54140	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.037	0.074	0.123	0.173	0.222
54150	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.037	0.074	0.123	0.172	0.221
54160	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.037	0.073	0.122	0.171	0.219
54170	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.036	0.073	0.121	0.170	0.218
54180	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.036	0.072	0.121	0.169	0.217
54190	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.022	0.036	0.072	0.120	0.168	0.216
54200	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.021	0.036	0.072	0.119	0.167	0.215

54210	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.017	0.021	0.036	0.071	0.119	0.166	0.213
54220	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.016	0.021	0.035	0.071	0.118	0.165	0.212
54230	0.000	0.000	0.000	0.001	0.004	0.005	0.006	0.012	0.016	0.021	0.035	0.070	0.117	0.164	0.211
54240	0.000	0.000	0.000	0.001	0.003	0.005	0.006	0.012	0.016	0.021	0.035	0.070	0.117	0.163	0.210
54250	0.000	0.000	0.000	0.001	0.003	0.005	0.006	0.012	0.016	0.021	0.035	0.070	0.116	0.162	0.209
54260	0.000	0.000	0.000	0.001	0.003	0.005	0.006	0.012	0.016	0.021	0.035	0.069	0.115	0.161	0.207
54270	0.000	0.000	0.000	0.001	0.003	0.005	0.006	0.011	0.016	0.021	0.034	0.069	0.114	0.160	0.206
54280	0.000	0.000	0.000	0.001	0.003	0.005	0.006	0.011	0.016	0.020	0.034	0.068	0.114	0.159	0.205
54290	0.000	0.000	0.000	0.001	0.003	0.005	0.006	0.011	0.016	0.020	0.034	0.068	0.113	0.158	0.204
54300	0.000	0.000	0.000	0.001	0.003	0.004	0.006	0.011	0.016	0.020	0.034	0.067	0.112	0.157	0.202
54310	0.000	0.000	0.000	0.001	0.003	0.004	0.006	0.011	0.016	0.020	0.034	0.067	0.112	0.157	0.201
54320	0.000	0.000	0.000	0.001	0.003	0.004	0.006	0.011	0.016	0.020	0.033	0.067	0.111	0.156	0.200
54330	0.000	0.000	0.000	0.001	0.003	0.004	0.006	0.011	0.015	0.020	0.033	0.066	0.110	0.155	0.199
54340	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.020	0.033	0.066	0.110	0.154	0.198
54350	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.020	0.033	0.065	0.109	0.153	0.196
54360	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.020	0.033	0.065	0.108	0.152	0.195
54370	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.019	0.032	0.065	0.108	0.151	0.194
54380	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.019	0.032	0.064	0.107	0.150	0.193
54390	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.019	0.032	0.064	0.106	0.149	0.192
54400	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.019	0.032	0.063	0.106	0.148	0.190
54410	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.011	0.015	0.019	0.032	0.063	0.105	0.147	0.189
54420	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.015	0.019	0.031	0.063	0.104	0.146	0.188
54430	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.015	0.019	0.031	0.062	0.104	0.145	0.187
54440	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.019	0.031	0.062	0.103	0.144	0.186
54450	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.031	0.061	0.102	0.143	0.184
54460	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.031	0.061	0.102	0.142	0.183
54470	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.030	0.061	0.101	0.142	0.182
54480	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.030	0.060	0.100	0.141	0.181
54490	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.030	0.060	0.100	0.140	0.180
54500	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.030	0.059	0.099	0.139	0.178

54510	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.030	0.059	0.098	0.138	0.177
54520	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.018	0.029	0.059	0.098	0.137	0.176
54530	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.014	0.017	0.029	0.058	0.097	0.136	0.175
54540	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.013	0.017	0.029	0.058	0.096	0.135	0.174
54550	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.013	0.017	0.029	0.057	0.096	0.134	0.172
54560	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.010	0.013	0.017	0.029	0.057	0.095	0.133	0.171
54570	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.009	0.013	0.017	0.028	0.057	0.094	0.132	0.170
54580	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.009	0.013	0.017	0.028	0.056	0.094	0.131	0.169
54590	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.009	0.013	0.017	0.028	0.056	0.093	0.130	0.168
54600	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.009	0.013	0.017	0.028	0.055	0.092	0.129	0.166
54610	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.009	0.013	0.017	0.028	0.055	0.092	0.128	0.165
54620	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.009	0.013	0.016	0.027	0.055	0.091	0.127	0.164
54630	0.000	0.000	0.000	0.001	0.003	0.004	0.005	0.009	0.013	0.016	0.027	0.054	0.090	0.127	0.163
54640	0.000	0.000	0.000	0.001	0.003	0.004	0.004	0.009	0.013	0.016	0.027	0.054	0.090	0.126	0.162
54650	0.000	0.000	0.000	0.001	0.003	0.004	0.004	0.009	0.012	0.016	0.027	0.053	0.089	0.125	0.160
54660	0.000	0.000	0.000	0.001	0.003	0.004	0.004	0.009	0.012	0.016	0.027	0.053	0.088	0.124	0.159
54670	0.000	0.000	0.000	0.001	0.003	0.004	0.004	0.009	0.012	0.016	0.026	0.053	0.088	0.123	0.158
54680	0.000	0.000	0.000	0.001	0.003	0.003	0.004	0.009	0.012	0.016	0.026	0.052	0.087	0.122	0.157
54690	0.000	0.000	0.000	0.001	0.003	0.003	0.004	0.009	0.012	0.016	0.026	0.052	0.086	0.121	0.155
54700	0.000	0.000	0.000	0.001	0.003	0.003	0.004	0.009	0.012	0.015	0.026	0.051	0.086	0.120	0.154
54710	0.000	0.000	0.000	0.001	0.003	0.003	0.004	0.009	0.012	0.015	0.026	0.051	0.085	0.119	0.153
54720	0.000	0.000	0.000	0.001	0.003	0.003	0.004	0.008	0.012	0.015	0.025	0.051	0.084	0.118	0.152
54730	0.000	0.000	0.000	0.001	0.003	0.003	0.004	0.008	0.012	0.015	0.025	0.050	0.084	0.117	0.151
54740	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.012	0.015	0.025	0.050	0.083	0.116	0.149
54750	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.012	0.015	0.025	0.049	0.082	0.115	0.148
54760	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.015	0.025	0.049	0.082	0.114	0.147
54770	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.015	0.024	0.049	0.081	0.113	0.146
54780	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.024	0.048	0.080	0.113	0.145
54790	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.024	0.048	0.080	0.112	0.143
54800	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.024	0.047	0.079	0.111	0.142

54810	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.024	0.047	0.078	0.110	0.141
54820	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.023	0.047	0.078	0.109	0.140
54830	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.023	0.046	0.077	0.108	0.139
54840	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.023	0.046	0.076	0.107	0.137
54850	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.023	0.045	0.076	0.106	0.136
54860	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.008	0.011	0.014	0.023	0.045	0.075	0.105	0.135
54870	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.007	0.010	0.013	0.022	0.045	0.074	0.104	0.134
54880	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.007	0.010	0.013	0.022	0.044	0.074	0.103	0.133
54890	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.007	0.010	0.013	0.022	0.044	0.073	0.102	0.131
54900	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.007	0.010	0.013	0.022	0.043	0.072	0.101	0.130
54910	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.007	0.010	0.013	0.022	0.043	0.072	0.100	0.129
54920	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.007	0.010	0.013	0.021	0.043	0.071	0.099	0.128
54930	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.007	0.010	0.013	0.021	0.042	0.070	0.098	0.127
54940	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.010	0.013	0.021	0.042	0.070	0.098	0.125
54950	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.010	0.012	0.021	0.041	0.069	0.097	0.124
54960	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.010	0.012	0.021	0.041	0.068	0.096	0.123
54970	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.009	0.012	0.020	0.041	0.068	0.095	0.122
54980	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.009	0.012	0.020	0.040	0.067	0.094	0.121
54990	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.009	0.012	0.020	0.040	0.066	0.093	0.119
55000	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.009	0.012	0.020	0.039	0.066	0.092	0.118
55010	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.007	0.009	0.012	0.020	0.039	0.065	0.091	0.117
55020	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.006	0.009	0.012	0.019	0.039	0.064	0.090	0.116
55030	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.006	0.009	0.011	0.019	0.038	0.064	0.089	0.115
55040	0.000	0.000	0.000	0.001	0.002	0.003	0.003	0.006	0.009	0.011	0.019	0.038	0.063	0.088	0.113
55050	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.009	0.011	0.019	0.037	0.062	0.087	0.112
55060	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.009	0.011	0.019	0.037	0.062	0.086	0.111
55070	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.009	0.011	0.018	0.037	0.061	0.085	0.110
55080	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.011	0.018	0.036	0.060	0.084	0.109
55090	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.011	0.018	0.036	0.060	0.084	0.107
55100	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.011	0.018	0.035	0.059	0.083	0.106

55110	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.011	0.018	0.035	0.058	0.082	0.105
55120	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.010	0.017	0.035	0.058	0.081	0.104
55130	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.010	0.017	0.034	0.057	0.080	0.103
55140	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.010	0.017	0.034	0.056	0.079	0.101
55150	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.010	0.017	0.033	0.056	0.078	0.100
55160	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.006	0.008	0.010	0.017	0.033	0.055	0.077	0.099
55170	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.005	0.008	0.010	0.016	0.033	0.054	0.076	0.098
55180	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.005	0.008	0.010	0.016	0.032	0.054	0.075	0.097
55190	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.005	0.007	0.010	0.016	0.032	0.053	0.074	0.095
55200	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.005	0.007	0.009	0.016	0.031	0.052	0.073	0.094
55210	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.005	0.007	0.009	0.016	0.031	0.052	0.072	0.093
55220	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.005	0.007	0.009	0.015	0.031	0.051	0.071	0.092
55230	0.000	0.000	0.000	0.001	0.002	0.002	0.003	0.005	0.007	0.009	0.015	0.030	0.050	0.071	0.091
55240	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.007	0.009	0.015	0.030	0.050	0.070	0.089
55250	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.007	0.009	0.015	0.029	0.049	0.069	0.088
55260	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.007	0.009	0.015	0.029	0.048	0.068	0.087
55270	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.007	0.009	0.014	0.029	0.048	0.067	0.086
55280	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.007	0.008	0.014	0.028	0.047	0.066	0.085
55290	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.006	0.008	0.014	0.028	0.046	0.065	0.083
55300	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.006	0.008	0.014	0.027	0.046	0.064	0.082
55310	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.005	0.006	0.008	0.014	0.027	0.045	0.063	0.081
55320	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.008	0.013	0.027	0.044	0.062	0.080
55330	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.008	0.013	0.026	0.044	0.061	0.079
55340	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.008	0.013	0.026	0.043	0.060	0.077
55350	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.008	0.013	0.025	0.042	0.059	0.076
55360	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.008	0.013	0.025	0.042	0.058	0.075
55370	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.007	0.012	0.025	0.041	0.057	0.074
55380	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.007	0.012	0.024	0.040	0.057	0.073
55390	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.006	0.007	0.012	0.024	0.040	0.056	0.071
55400	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.005	0.007	0.012	0.023	0.039	0.055	0.070

55410	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.005	0.007	0.012	0.023	0.038	0.054	0.069
55420	0.000	0.000	0.000	0.000	0.001	0.002	0.002	0.004	0.005	0.007	0.011	0.023	0.038	0.053	0.068
55430	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.005	0.007	0.011	0.022	0.037	0.052	0.067
55440	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.005	0.007	0.011	0.022	0.036	0.051	0.066
55450	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.005	0.006	0.011	0.021	0.036	0.050	0.064
55460	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.004	0.005	0.006	0.011	0.021	0.035	0.049	0.063
55470	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.005	0.006	0.010	0.021	0.034	0.048	0.062
55480	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.005	0.006	0.010	0.020	0.034	0.047	0.061
55490	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.005	0.006	0.010	0.020	0.033	0.046	0.060
55500	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.005	0.006	0.010	0.019	0.032	0.045	0.058
55510	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.004	0.006	0.010	0.019	0.032	0.044	0.057
55520	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.004	0.006	0.009	0.019	0.031	0.043	0.056
55530	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.004	0.005	0.009	0.018	0.030	0.043	0.055
55540	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.009	0.018	0.030	0.042	0.054
55550	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.009	0.017	0.029	0.041	0.052
55560	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.009	0.017	0.028	0.040	0.051
55570	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.008	0.017	0.028	0.039	0.050
55580	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.008	0.016	0.027	0.038	0.049
55590	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.008	0.016	0.026	0.037	0.048
55600	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.008	0.015	0.026	0.036	0.046
55610	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.004	0.005	0.008	0.015	0.025	0.035	0.045
55620	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.007	0.015	0.024	0.034	0.044
55630	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.007	0.014	0.024	0.033	0.043
55640	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.007	0.014	0.023	0.032	0.042
55650	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.007	0.013	0.022	0.031	0.040
55660	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.007	0.013	0.022	0.030	0.039
55670	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.006	0.013	0.021	0.030	0.038
55680	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.006	0.012	0.020	0.029	0.037
55690	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.006	0.012	0.020	0.028	0.036
55700	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.003	0.006	0.011	0.019	0.027	0.034

55710	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.003	0.006	0.011	0.018	0.026	0.033
55720	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.005	0.011	0.018	0.025	0.032
55730	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.003	0.005	0.010	0.017	0.024	0.031
55740	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.005	0.010	0.016	0.023	0.030
55750	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.005	0.009	0.016	0.022	0.028
55760	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.005	0.009	0.015	0.021	0.027
55770	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.004	0.009	0.014	0.020	0.026
55780	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.004	0.008	0.014	0.019	0.025
55790	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.002	0.004	0.008	0.013	0.018	0.024
55800	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.004	0.007	0.012	0.017	0.022
55810	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.004	0.007	0.012	0.017	0.021
55820	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002	0.003	0.007	0.011	0.016	0.020
55830	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.006	0.010	0.015	0.019
55840	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.006	0.010	0.014	0.018
55850	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.005	0.009	0.013	0.016
55860	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.005	0.008	0.012	0.015
55870	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.005	0.008	0.011	0.014
55880	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.004	0.007	0.010	0.013
55890	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.004	0.007	0.009	0.012
55900	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.004	0.006	0.008	0.011
55910	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.003	0.005	0.007	0.009
55920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.003	0.005	0.006	0.008
55930	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001	0.002	0.004	0.005	0.007
55940	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.004	0.006
55950	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.003	0.004	0.005
55960	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.003	0.003
55970	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.002	0.002
55980	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.001
55990	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Meeting minutes

DVIA draft WP consultation

Details

Subject	Border Rivers Water Plan			
Chair Steve Gouldie aka Steve Goutie				
Meeting type	Consultation			
Date and location	Thurs, 3 May 2018 at Texas golf club			
Timing	10:00 am to 2:00 pm			

Attendance

Name	Position/representation	C)
Number (non-department staff)	19	
sch4p4(6) Personal	information	Wy 5000

Jason Chavasse, Paul Hausler, Coby Pymble-ward **DNRME** Steve Gouldie, Peter Brownhalls, Shane DNRME Moloney

sch4p4(6) Personal information

Style Definition: Body Text

Discussion points

Texas Golf Club • 3/05/2018

Item # Discussion 1 A welcome and broad water planning process overview given by Steve Gouldie. Key points were: Planning timeframe Established groundwater management areas and groundwater subareas Key changes Revised outcomes and objectives New measures UAW for aboriginal and community purposes New water sharing and trading rules Description of measures Technical reports feeding into process Key Basin Plan accreditation tests Description new process aboriginal engagement Northern Basin Review update (disallowed and Qld supports science) Description of new water planning documents (WP/WMP/WEN). Questions and discussion: Get on with it. 2 Discussion on water trading: 5 zones. Zone envelopes to regulate both permanent and seasonal trades. Volumetric allowances set to (+50%, +50%, +20%, +0%, +50%). Impact assessment for all location changes other than exempt bores. Questions and discussion: • sch4p4(6) Personal informatio Water trading zones and envelopes are too restrictive. sch4p4(6) Personal infoYVIngtagen't there zones in NSW? How will the Qld zones provide security if there is free movement within NSW? Ans. - Good question. Qld and NSW planning timeframes don't align. There is a need to provide for regulatory levers that may be needed in the future (particularly if converting to water allocations). sch4p4(6) Personal infottinationacceptable to have mismatched planning between Qld and NSW if the water plan is going to be locked in place Paul/Jason – Zone envelopes can be set to the desired level with complete independence from the zone boundaries. Free trade could effectively be provided throughout the system by making all zone envelopes equal to 14 000 ML. Discussion seemed to gravitate to combining envelopes for zones 1 and 2, and zones sch4p4(6) Personal informbladerstand that zones are not limiting; volumes are. Can we have

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more generous volumes? Ans. - Yep.

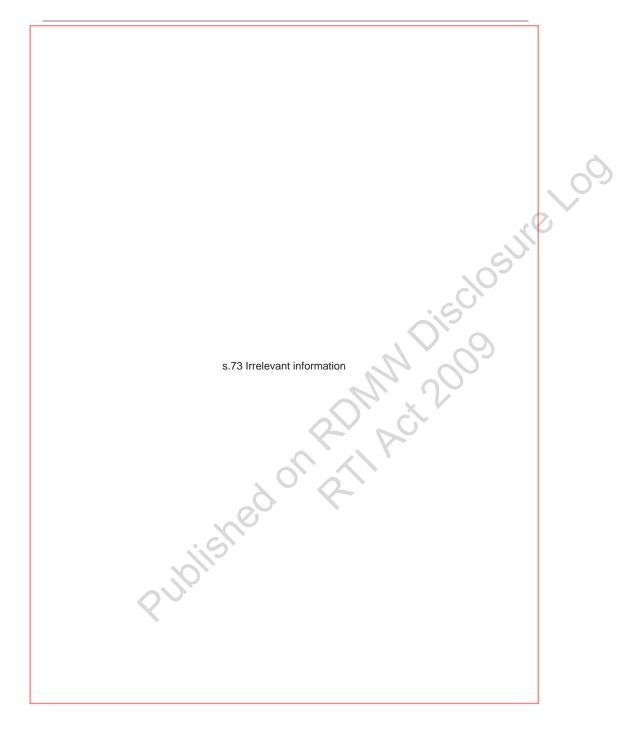
- Once envelopes fill, we won't be able to move anymore water in, trade can only be
 within the zone. Shouldn't temporary trade/seasonal assignment be ok on an annual
 basis i.e. outside the envelope? Discussion of partitioning envelopes if full.
- Is interstate trade allowed even if the envelope fills its not affecting the zone. Ans. –
 yes interstate trade would operate independently of zone envelopes.
- Will interstate trade be done before the plans? Ans. the plan/protocol provides for
 interstate trade where there is agreement between states, this can be on case by
 case basis or, preferably, for the entire resource. It is unlikely an agreement will be
 formulated before the release of the final plans.

sch4p4(6) Personal infotherationes and envelopes are over the top, especially without agreement with NSW. Need to take smaller steps with awareness. Bigger zones and envelopes if the modelling shows small impacts.

- Make the zones, envelopes less conservative, allow for users to recover so no one has stranded development when use goes to 8 GLs
- Need to find the balance between full development and sustainability.
- Need to include NSW in impact assessment.
- Is there any provision for the reassessment of zone envelopes? Ans. Yes, the envelopes are in the protocol, which is an adaptive instrument.

s.73 Irrelevant information

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Actions arising

Item	Description
	Provide three alternatives for discussion—
	50% all zones
Zones and envelope volumes	100% all zones
	 100% for combined zones (1/2 and 4/5)
	Prepare some commentary regarding performance.
	Provide examples of
Announced allocations	Different rolling averages
	 Early reductions when use exceeds share over a number of years.
Rublish	ad on Palling Siegos

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Meeting minutes

DVIA draft WP consultation

Details

Subject	Border Rivers Water Plan
Chair	Steve Gouldie
Meeting type	Consultation
Date and location	Thurs, 3 May 2018 at Texas golf club
Timing	10:00 am to 2:00 pm

Attendance

Name	Position	on/representation	
Number (non-department staff)	23		
sch4p4(6) Person	nal information	N Disos	
VEC.			

Jason Chavasse, Paul Hausler, Coby Pymble-ward	DNRME
Steve Gouldie, Shane Moloney	DNRME

Item # Discussion

- 1 Discussion on water trading and zones:
 - New work completed on trading zones for discussion (see request from meeting on 3 May 2018).
 - Zone envelope scenarios modelled to show performance of entitlements against additional zone volumes. More trade freedom.
 - Additional volumetric allowances tested for each zone (50%, 70% and 100% in addition to existing volumes).

Questions and discussion:

- sch4p4(6) Personal information you taking water from elsewhere when modelling greater zone volumes? Ans. No, the individual zones volumes are simply increased.
- sch4p4(6) Personal information you're actually modelling greater than 8 GL being taken. Ans. Yes.
- son4p4(6) Personal information you're actually showing us a case that's even worse than the worst case. Ans. Yep.
- sch 4p4(6) Personal informatibhis isn't ok. Don't present results that are wrong. It's ridiculous that you would show us results that aren't even accurate. Ans. It's difficult to model trading scenarios because there are a million permutations. It's important to keep in mind that the model is a comparative tool. We represent zone trade like this, and it is a bit conservative, because it saves trying to anticipate hundreds of potential scenarios.
- sch4p4(6) Personal informationell I think you shouldn't come out and show us results until you have the numbers right. Ans. Fair point, however, had we modelled trade water being removed from one zone and added to the next, the change in results would be in the low single digit per cents.
- sch4p4(6) Personal information are we even talking zones when the impact management will protect us? Ans. These things are a suite; zones for system wide management and impact management for localised effects.
- sch 4p4 (6) Personal inform https://emhattppn't think we should even be talking about zones until after we've discussed the impact management. Ans. Ok, do we want to move onto impact management then?
 - Stakeholders wanted to see scenarios for all possible trade situations.
 - Suggestion that trades should be modelled/assessed as they occur.
 - Stakeholders questioned why zones would be necessary if impact management was
 provided for, question why zones would be necessary. Ans.- drawdown assessments
 are about individual impacts, zones are about the resource. Without zones it would
 be possible to approve trades based on third party impacts while still having
 potentially too much take in an area for the resource.
 - Stakeholders argue that we should start with the third party impacts only.
 - Stakeholders argue that only one zone is necessary, as is the case on the NSW side.
 - Stakeholders want all assessments, zones and impact management, to take into account NSW works/take.

2 Impact management

Point to point testing of impacts

- 10 year pumping period and 3 metre draw down threshold
- Aligns with NSW
- Explanation of formulae
- Assessment tool for trades provides a level playing field

Questions and discussion:

- Does this apply to seasonal water assignments? Ans. Yes. It applies to both to
 eliminate any perverse outcomes such as repeat SWAs being able to impact water
 users where a permanent trade would not be approved.
- Why is the a seasonal water assignment tested over 10 years when they are only for 1 season? Ans. – The impact method is a tool for ensuring all trades are assessed on a level playing field. The 10 years is only a pumping parameter use in the formula.
- Stakeholders suggest that with permanent trades should be treated conservatively, temporary less so.
- Darryl But during the season we take water at a higher rate. Doesn't that mean the
 drawdown impacts would actually be much greater than 3 metres? Ans. Yep, but
 we need to keep remembering that this is a method for ensuring all trades are
 assessed fairly/equally.
- Tim Ramsey We should recommend a pumping period and a draw down impact that suits us.
- Darryl Can we use 180 days instead? What does everyone think? Ans. –
 Absolutely, we're not wedded to the particulars. It's important to note though, that if
 we change the period and drawdown, the set-back distances may not change.
 Internally, we've compared the 10 year, 3 metre method to the 100 day, 0.5 metre
 method used elsewhere and they don't result in significantly different distances.
- Paul It's worth noting that we didn't select 10 years and 3 metres for any reason other than ensuring consistency with the NSW process.
- Jason Description of alternative volume and drawdown depth graphics.
- Tim Ramsey We'll have a discussion within ourselves to decide where we stand on the pumping duration and drawdown. Ans. – When you're thinking about those parameters you should also keep in mind the sort of set-back distances you see as appropriate; where do you want to be on security vs flexibility. As mentioned earlier, the set-back distances can be similar for a range of different durations and drawdowns.
- Stakeholders argue that impact management should consider cumulative impact of all surrounding bores not just the additional impact of a single trade.
- Ed Hickson The method should be kept simple. However, other stakeholders thought that the method wasn't detailed enough, and noted that the department was looking for an 'acceptable' rather than a 'best' approach.
- Stakeholders asked whether neighbours could agree to a level of impact, forego their protection.
- Users want to protect what existing users have currently.
- Users asked whether there could different drawdown limits for different areas.

s.73 Irrelevant information

s.73 Irrelevant information

Actions arising

Item	Description
Provide information for consideration during preparation of a DVIA submission. In future, provide information prior to meeting.	Copy of power-point presentation Copy of water sharing rule spreadsheet Documents
QV.	

Meeting minutes

Border Rivers Alluvium Groundwater Management Area

Details

Subject Border Rivers Water Plan				
Chair sch4	p <mark>4(6) Personal information</mark>			
Meeting type	Consultation			
Date and location	Tues, 23 May 2017 at Texas Golf Club			
Timing	10:00 to 16:30			

Present

Name	Position/representation
sch4p4(6) Personal informat	on Palling 2009
Jason Chavasse, Peter Pymble-ward	Brownhalls, Coby DNRM
sch4	94(6) Personal information

Apologies

Name	Position/representation					

Items

1	Introductions made. Identified that this was the fourth meeting. Noted that the last meeting raised some challenging issues which would seek to be addressed at this meeting. Noted that draft plans were to be finalised by the end of the year.
	At the last meeting, the SDL and shared resource (i.e. 8.1GL) was raised. Jason stated that QLD were holding to the policy of managing to 8.1GL
	Also raised was the status of the Groundwater Mode. It was identified that Peter would speal to this topic including when, expectations and where the model is up to.

s.73 Irrelevant information

3 Shallow

A question was asked regarding where the shallow came in. It was answered that 'shallow' entitlements were those identified on the auth as being in the Dumaresq Valley Alluvium.

sch4p⁴⁽⁶⁾ Personal inform sked if the department's position re the Deep/Shallow was consistent with surface water – i.e. is it consistent with reaches? Peter responded that the answer was yes and no, that they were managed separately for accounting but as a full resource. In QLD the shallow sits atop the deep, separated in parts by the aquitard. These two systems would be treated separately with the 8.1 applying only to the deep.

Jason stated that submissions were received regarding managing the resources separately and to current entitlement.

Someone asked whether the shallow entitlements would be tradable to which the answer was no, shallow licences would remain attached to land.

sch4p4(6) Personal information whether the separate management of the shallow had been discussed with NSW i.e. that NSW would be managing to 8.1 whilst QLD was effectively managing to 8.1GL plus the shallow volume, taking the total up to about 11 GL.

Jason responded that no, these discussions had not been had with NSW to which personal information responded that will combe back onto us later. Peter responded that this was a good question and a policy issue which needed to be resolved.

Someone asked whether NSW could be given additional volume to make up the difference given the entitlement volume in Queensland was greater than that in NSW.

Peter indicated that at this stage we were proceeding with how the systems had been managed historically. At this stage, the volumes have been locked in to the Basin Plan.

Jason indicated that Queensland's position for the shallow was that they would remain as licences with no ability to trade (either perm or temp). This reflects the submissions received that trade needed to be provided as an adjustment if the shallow entitlements were to be cut – we are not cutting therefore no trade.

sch4p4(6) Personal informatied that not permitting temp/perm trade was going back to the dark ages, asked wasn't that the point of the Basin Plan? Recognised that nothing was changing for the

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shallow but thought trade was a key part of the Basin Plan.

Peter noted that any trade needed to be underwritten by having a good understanding of the system – that by our estimates there was less than 1000ML use in the shallow. However, the system wasn't metered which would be required for a high level of understanding. Meters are required then an understanding can be obtained.

Someone asked what in what timeframe would we see trade in the shallow? Would the department amend the plan? The response was unsure.

Jason indicated that to get sufficient information to introduce trade the department would meter the resource which would provide an understanding of the yield, etc. That the introduction of trade in the shallow resource within the 10 year life of the plan was unlikely.

Jason said the key points for the shallow resource were that it would be managed separately from the deep, would be metered and would remain as licences.

4 Trading

Jason indicated that, as previously discussed, licences in the deep resource would be converted to Water Allocations.

Regarding specification, the current nominal entitlement would be the volumetric limit, the nominal volume would be the entitlements share of the 8.1GL.

Jason noted that the aim of the water allocation was to facilitate trade.

Within Queensland, we would be looking at allowing to allow for permanent trade.

NSW have a different framework within which take can be controlled via a works approval.

QLD's framework allows a location on the WA which could be a zone or a works location (GPS)

A zone location would allow for freer trade. Within a zone take could be relocated without the need for departmental assessment. Each zone would have a volumetric 'envelope' which could constrain the volume able to be traded into a zone.

An alternative would be similar to that currently in place in the CCA (and in NSW) whereby a point to point drawdown assessment would be undertaken prior to a trade being approved. This option would also include zones and envelopes although would allow for larger zones.

Someone suggested that the zone approach seemed complex – suggested that assessment was what the department is there for.

Jason advised that originally, Was were set up to be as free as possible.

Someone asked the group to imagine if you wanted to do a trade but had to go through all the layers of assessment.

An example of zone process was run through. Point to point explained re the drawdown at a point in the cone of depression with trades outside the area of influence being approved.

Someone asked whether rule would apply to impact on works owned by the person applying for the trade to which the answer was no, only to those owned by other users.

Jason indicated that with Was, the protocol would say if rule was exceeded the trade would be prohibited.

Question 4 pond in Personal in the marking of water between multiple titles prior to sale and potential impact—answer buyer beware.

Someone asked whether the outcomes of trade would change throughout the system. Jason indicated that we would be talking to NSW about how they apply their point to point throughout the system.

Someone asked whether we could just indicate that for every 100ML traded the additional distance needed to be from a bore would be X metres. Couldn't the vols and separation distances just be written into the plan?

Someone asked what if someone not using their entitlement/works gave permission to someone to impact them?

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Jason advised that the department would be asking users for a list of the works they wanted to use and be noted on the WA. If a user hasn't got a bore drilled and hasn't indicated a point for inclusion on their WA, even if on a lot previously allowed through their licence, it would require assessment.

Someone asked whether they would be notified of trades into their area to which the answer was no.

sch4p4(6) Personal intoterditionat the process shouldn't be thought of as a restriction but rather as a protection.

Someone asked whether there was a need to have zones if there is a point to point assessment. Answered that the zones were about outlining areas where a level of allowable extraction could be noted to prevent regional hotspots.

Someone asked whether there were shallow bores in the unconfined section to which the answer was yes.

Someone asked whether there were any hotspots the department were worried about. Is it a hotspot or potential hotspot? It was indicated that there was something happening downstream of Texas that warranted consideration.

Someone asked whether the point to point assessment would rule out trades into hotspots to which the answer was not necessarily, that it may be a good idea to prevent movement of water into an area that a point to point assessment would permit due to it not impacting any neighbouring bores.

It was indicated that the model could provide a regional understanding but wouldn't provide point to point assessment.

Jason said that while we could have zones, NSW currently has a single zone and would be able to move anywhere subject to its point to point assessment.

Someone noted that if we went to zones and all water was sold up to the envelope – no one else would be able to trade, that the process would be first in first serve leading to a race.

Someone asked whether the department had any concept of what the envelope volumes should be to which the answer was that it would be based on discussion with the users.

sch4p4 (6) Personal informaticated that he thought the envelope should be informed by the model. It was affirmed that yes, when the model was finished it could support the nomination of envelope volumes.

Jason advised that the zones would be located in the water plan, a high level document requiring ministerial approval whilst the envelopes and rules are located in the water management protocol which can be amended more easily.

Someone suggested that zones and envelopes etc were pointless unless NSW also implemented a similar process.

Peter suggested that this was a good discussion and that the core of considerations was whether users wanted a high level of protection or flexibility. Asked whether users wanted an ability to trade from one end of the system to the other with only a point to point assessment and then to accept any outcome.

Someone suggested that despite drawdown interference discussed around Beebo, users can trade freely within NSW and no significant impacts have been experienced.

Someone suggested that it was a commercial reality that yield drops when everyone is taking. That users just want to maintain the access they currently have.

Referencing zone map version 1 If you trade another 400ML into 2b you would impact us and we would have to pay more to get our water.

Someone suggested that zoning was a good idea and that the more zones the more easily we can control impacts.

Someone suggested that the monitoring bore in zone 1b was no good through being affected by pumping. Shane Moloney indicated that this bore now had a logger and therefore pumping effects could be removed.

Someone suggested that demand upstream affected water levels downstream – when

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demand dropped water levels recovered downstream.

Someone asked whether a dollar value had been attributed to a drop in water level due to pumping.

Someone asked whether any science had informed the zones – if it was up to us we would say to leave it all alone. We need to understand how the water flows.

Considerations in defining example zones outlined – water levels, constrictions, density of entitlement, monitoring bore locations.

Someone asked whether there would be an upper limits for trades into each zone – yes, the envelope would define this.

Someone suggested that there needs to be enough people in each zone to allow trading. Concern where the number would sit?

Someone asked whether this would apply to seasonal trades also – answer that potentially 100ML SWA would be permitted but that any higher would be assessed the same as a permanent trade and that the envelope would potentially apply to both.

Someone asked how the zone/envelope system would operate with regard to sleeper licences – sleeper licences would be considered active within the envelope.

Someone asked whether temporary trades would be considered when a sleeper was not active – suggested that this could be considered given seasonal review of temp trades – if sleeper activates, SWA could no longer be permitted.

Someone asked whether the department would be able to adequately manage this process – at the end of the day users just want a simple process. Jason suggested that process was simple, 2 tier seasonal 100 ML permitted and greater assessed.

Someone suggested that the zone system would impact on the value of the WA – if zone full and no further trade permitted, value of WA would be less.

Someone suggested that if the envelope is all the system can handle then if doesn't matter. If assessed, that's the volume that can be taken and it guarantees that you can pump your volume.

Someone suggested that the method was about protecting your zone and the one below.

Someone suggested that there needs to be a mechanism to prevent a race to buy up a zone. That everyone should be able to put in applications at the same time before the system starts up..

Someone suggested that the zones were no different to an announced entitlement.

User indicated that they just wanted to grow their business like everyone else was able to years ago, didn't want to be disadvantaged because they were a late starter. Someone answered that there is never going to be a right system for everyone.

Someone commented that the more trading there is the more likely that the system cap would be reached.

Someone commented that it would be a good result for the environment but a worse for everyone else. That despite being managed to 8.1 they would be reduced again if this was found to not be sustainable.

Jason advised that any change affecting a WA was compensable.

sch4p4(6) Personal informasiked whether the protection of WAs extended beyond a plan timeframe to which it was agreed there was a level of confusion around the wording of compensation clause.

Someone indicated that noone would sink a bore to buy in 100ML, any assessment would primarily apply to existing works.

Group indicated they would need to know the envelopes first before they provided a complete position on the approach and that the model should provide an answer re envelopes. Peter suggested that logical zone boundaries could be established and the model could be used to test.

Question about whether it would be better to allow trade into your zone or into the zone

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upstream - where does impact sit.

Question about what the impact of sleepers activating would be – would everyone get reduced.

Someone noted that if you were in a no trade zone – you couldn't trade unless you buy an existing entitlement within the zone.

Someone suggested that zones would limit growth – someone responded that everything already limits growth.

Noted that people with licences want to maintain status quo – those without would want more trade.

Statement that groundwater is an asset we need to protect.

Someone stated that we need to talk to all users about the zones/envelopes – not just those in committee who cannot talk for all in each zone.

sch4p4(6) Personal infolioated that he was for the zone/p2p hybrid approach.

Highlighted that allocations and works locations required from day 1, whether active or sleeper.

Jason advised that we have data on use and that every area has drawdown, that the model would be able to turn on sleepers and see impact, consider water levels and use and if impacts allocate a smaller envelope.

Noted that conversions were to be based on entitlement rather than history of use and that a hotspot today would be a hotspot later. Trading would ideally result in the spreading out of entitlement.

Again highlighted importance that sleepers nominate a point of take be else an assessment would be required before a point of take could be established, which could potentially be refused.

Someone noted that the system could end up so restrictive that you would have to buy a block to get access to water.

Someone asked what is the current level of sleeper entitlement? Noted that there are a couple. Noted most people are only using around 20 per cent of entitlement. Noted that in recent years QLD use has been at around 6GL out of 14.5 and that even with being managed to 8.1 there was still room.

Noted that there was concern in subarea 2 with big entitlements. Less concern in subarea 1 about big extraction.

sch4p4(6) Personal information expressed desire to be in a no trade in zone, suggested Campbell would be the same.

sch4p4(6) Personal istoggested that moving take up the system would affect them more than in zones.

Someone suggested that any take of water out of the system would impact you over time.

Users in the bottom section (d/s of Beebo?) indicated they would want a high level of protection.

Group suggested QLD needed to talk to NSW about drawdown, include NSW bores in p2p. Also QLD needed to come back to group with envelopes.

sch4p4(6) Personal Indicated he was happy with status quo and was about protecting what he already had.

Suggested the zones be simplified and work be done on envelopes. Indicated he would rather a negative envelope around Beebo and suggested Ian Campbell would be of the same opinion.

Someone advised that from Texas to the end of the system there was only 5 users (using?) holding around 12 entitlements.

s.73 Irrelevant information

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Discussion held between DVIA representatives without DNRM present. Outcomes as follows.

Agreement that users in the shallow should be metered. Temporary trading should be permitted in the shallow aquifer with an aim to allow permanent trading after 14 years. Temporary trades should be to a maximum of 100ML with no location constraints.

Group indicated they preferred a hybrid zone P2P trading system. Group would like rate of take to be taken into account to allow greater volume to be traded if taken at a lower rate. That when applying for a trade users could put in a rate of take, could department limit the size of works? Different rates would apply to summer or winter croppers. Noted that this would be difficult for department to regulate. Suggested that department could potentially take into account any different profile of use in assessing P2P (i.e. if different to 100 days as currently used).

9. DVIA discussion

> Regarding zones, group noted that this was still early days. Department still needed to consult all people within the zones. Group suggested three zones comprising (refer to version 2 presented at meeting) zones 1C and D combined or 1D by itself as well as a single zone upstream and downstream. Rationale for zones was like mindedness of users within the zones, greater pressure further down river. Allows flexibility in envelope, easier for NSW to align with. Possibility for middle zone to extend further upstream beyond TWS.

Noted that temporary trading would not need to be as conservative and could be reviewed year to year.

DVIA • 23/05/2017 Page 7 of 8 Group indicated they would prefer a five year rolling average.

Group sought clarification regarding status of the model. Peter advised that the model would be good for regional rather than local assessment. The construction and calibration of the model was complete, would now need to be peer reviewed and ok'd with NSW modellers. A draft model report was being prepared for the end of June with endorsement sought for September. This would provide sufficient time for reality checking of proposals for the water plan etc.

sch4p4(6) Personal introduced that the envelopes should be informed by the model which hopefully would preclude the need for any zero envelopes. The model rather than the group should determine envelope volumes. Peter agreed that the model should be able to provide these outcomes, that it would just require some inputs first such as the nominal zones etc.

Someone asked whether it wouldn't be better to bring water in from outside a zone rather than buy and activate a sleeper volume from within the zone. Response was that it would increase take in the long run as the sleeper needs to be assume as active.

Question about whether we could get rid of the zones and just rely on the model for assessing trades.

Question about when the draft plan was due and when consultation would end - final consultation around August with draft plan at end of year.

Group requested that department come back at another date and include NSW.

Jason indicated that we would talk to NSW in the meantime.

User indicated that any point to point assessment must include both QLD and NSW bores. Need to provide adequate separation. Both states need to talk around the point to point assessment.

Jason indicated that we would seek to meet with NSW around late June/early July.

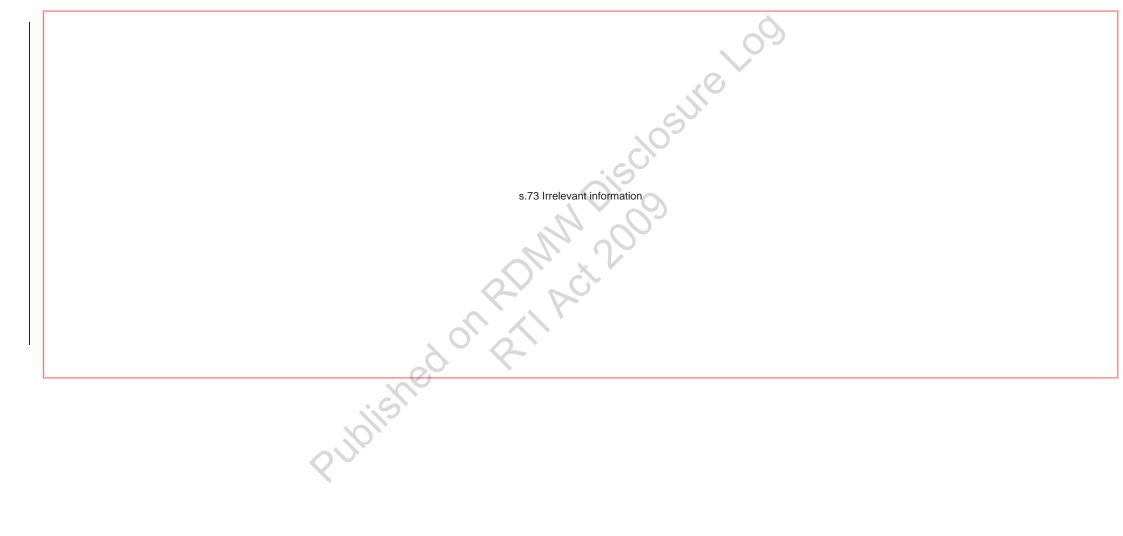
Group indicated importance of ensuring both NSW and QLD irrigators are at the next meeting. w be prov

Group want reading materials to be provided before the next meeting.

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McKay and Paul Hau.

McKay and Jim Weller, Jason Douglas, Steve Goudie, Lee Horsford, Michael Jamieson, Jason Chavasse, Peter Brownhalls, Adrian McKay and Paul Hausler on phone John Ritchie, Audrey Van Beusichem and Di Wood- mid item 1



2	•	What is level of assessment work? (this was an action item I	Noted	Potential tasks:		
		think; determine)		 Determine the level of work 	03	
	•	All entitlement will have a point- provided for in the WEN		involved in undertaking impacts		
		even if no current works/meter.		assessments.		
		 Most entitlement holders in Borders Rivers have a 		 Workshop on replacement bore 	C. T	
		bore- might only be a few without.		distance and linkages (identify		
	<u>•</u>	Location would be a zone with coordinates (map?)		NCF/validation requirements re		
		 Group suggested coordinates in the WEN wouldn't 		accuracy/error on location)		
		be meaningful for water users to check and submit		 Prepare schedule of works locations 		
		on. Agreed that sending water users a lot map with		to map/audit.		
		coordinate-location illustrated would be an		 Identify entitlements that 		
		appropriate method.		need centroid location for		
	•	Provide provisions to allow if bores exist but we are		each system.		
		unaware. This discussion sought a way to allow for later		Prepare lot map with coordinate		
		amendments to works locations missed or incorrectly		location and works locations for		
		detailed. Can this be done after plan has commenced		each licence holder.		
		without impacting traders? 10 metre replacement bore rule- look into making the rule a		Investigate provisions for correcting		
	•	bit different (in the change rules permitted change). 20		locations after commencement. Identify level of replacement bores		
		Meters replacement bore seems reasonable (though various		(resources to produce WEN and		Formatted: Font: 9 pt
		options from 10-50m were discussed).		what will this change mean for		Formatted: List Paragraph, Bulleted + Level: 1 +
	١.	options from 10 30m were discussed).		future work?) – team to come back		Aligned at: 0" + Indent at: 0.25"
				to policy workshop on resourcing		7 mg/red dit 6 7 mde/redit 0.25
				issues		
<u> </u>						
			0, -/			
			(19)			
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1		T =			(
	Trading in BRA and UCA (Tribs)	Decision- where there is a hotspot	Team to investigate/determine zones		Formatted: Font: Bold
•	Cunningham would likely need more zones as there are a	provide for trading to trade out and	and test envelopes if possible. If not		Formatted: Indent: Left: 0.25", No bullets or
	number of small alluviums independent of each other- not	elsewhere provide for some flexibility to	possible we take a conservative		· ·
	well connected	maintain similar current distribution.	approach <u>l.e 10%</u> -		numbering
•	Put zones in and use model to test impacts- time involved in			2.	
	forming up test scenarios	Conservative approach to start with and	Team to contact Leon and prioritise		
•	Start off conservatively and use WMP to open up as more	we are going to have zones determined	testing envelopes in the model ahead of		
	data comes in	by team and test envelopes in the model	other work.		
•	Take on board where stakeholders want zone boundaries		-5		
	but department needs to be more conservative with	Test envelopes using GW model. If	Validate works in each zone spatially.		
	boundaries to better manage resource – sustainable	unavailable start envelopes at 10% of NE			
•	Require DISITI to test envelopes- only require a few		Prepare distance and drawdown table		
	scenarios	WMP need to include detail about	for permitted changes.		
•	Communication to stakeholder- improvement/adjust on	assessment process for assessing trade			
	current situation	(standard) and include a table about	Discuss with Leon status of model runs -		
		simple assessment and a long form	issues with source-GW model etc		
		process (like old S130).			
		For Border Rivers model conservative			
		zones with future management with			
		NSW in mind (engage with NSW	2 /		
		technical officers and Adrian regarding			
		placement of zones). What is the			Formatted: Highlight
		timeframe on this?Border Rivers See			Formatted. Flighlight
		Coby notes	V		
		Allow application for permanent trade if			
		envelope full, assess based on vol of			
		permanent water in envelope and			
		approve pending SWA conclusion.			
l		upprove pending over corrolations			
		119°			

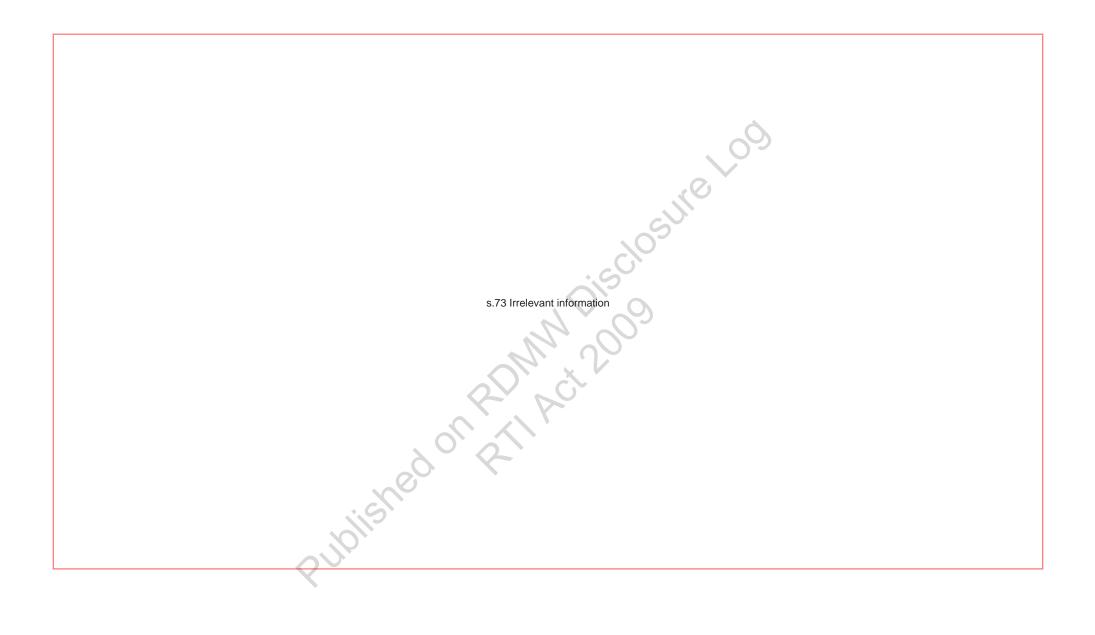
8		Temporary trading in within BRA and UCA Tribs	Decision to allow SWA in BRA shallow	Potential tasks:		Formatted: Font: Bold, Not Strikethrough
	•	Discussion about SWA into NSW and zones for interstate	with 100 ML cap	 Action More detailed SWA rules 		
		trade?		need to <u>be prepared</u> think about		Formatted: Indent: Left: 0.25", No bullets or
	•	All SWA is individual and subject to the rules	Envelopes to include SWAs (i.e. no	what the volume is assigned too		numbering
	•	Current rules limits max signed in- rule can be for application	separate envelope)	(current thinking is all point to point	2.	Formatted: Strikethrough
	•	SWA should be used to finish crop off but has been used a		applies- everything is assessed).		
		lot to manage compliance.	Point to point impact assessment for all	Consistency across areas vs specific		Commented [HP1]: Going forward though, SWA is for
	•	Metering the shallow- compliance situation	SWAs in Oakey, Dalrymple, Cunningham and BRA (deep)	rules for each area.		any purpose.
	•	Question whether a 100ML SWA could be taken multiple	and BRA (deep)	Assess and report on likely		
		times by same user within the rules and whether we can		compliance issues in the Dumaresq River Alluvium and elsewhere rules		
		limit to 1 SWA, influence the total vol resulting from a SWA		make using SWA to manage		
	•	Suggestion to assess all SWAs (p2p), no vol limit?		compliance an issue.		
				Consider whether a mechanism for		
				assessing SWAs is available.		
				Assess existing SWA rules		
9	Int	erstate trade in the BRA (Deep)	Allow interstate trade to occur through	Actions- need to talk to NSW about	•	Formatted: Font: Bold
	•	Allow for trade by allowing avenue similar to SWSurface	similar process currently done for	zones, envelopes and the quantities of		
		Water- outside the plan. The frameworks don't align and	Surface Water	water that can move backwards and		Formatted: Normal, No bullets or numbering
		can't do impact management.		forward-		Formatted: Font: 9 pt, Bold
	•	NSW need to agree- where the take of water determines	Understood to be temporary from NSW			
		what rules apply.	to QLD, permanent from Q to N.	If talks with NSW don't happen we will		
	•	MDBA seek few limitations on interstate trade where	Lord de NGW (consequence)	set our provisions as practical as possible		Commented [HP2]: What does this mean?
		provided for.	Include NSW in zones and envelopes	based on inclusion of NSW take-		
	•	If traded to NSW, WA would remain in QLD taking up part of	assuming future adoption of zones.			
		<u>the envelope – issue to consider.</u>	. 0. ~ \			
				<u> </u>		

s.73 Irrelevant information

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Policy Workshop 1 – 1pm to 4pm – 22 June 2018 – Room 9.02 1WS















12.Border Rivers Alluvium (deep) - Conversions/Purpose

Recommendation: no change

NOTES

- Whyalla Beef holds two 'stock intensive' entitlements, 77221H and 71856, with nominal entitlement of 1500ML and 1660ML respectively located in proposed zone 4, downstream of 21km NW and 12km W of Texas.
- Under proposed arrangements, these entitlements would be converted to water allocations with volumetric limits equal to the nominal entitlements, and nominal volumes of 798 and 883.1 ML respectively.
- These entitlements would be part of a water allocation group containing all non-TWS entitlements and would be subject to annual announcements managing total use to 8.1GL.
- Meter readings indicate average use under these entitlements of around 5% (max. 10%) and 48% (max. 60%) respectively (latest figures required).
- Estimation of potential announcements indicate that for current levels of use in the sub-unit, announced entitlements would remain at 100 percent. Were total use in the alluvium increase by 50%, announcements of 50% (assuming a 50% minimum was selected) would be fairly common (12 out of 36 years modelled).
- This suggests that the conversion would have minimal impact on the ability of the feedlot to continue existing operations, with even minimum announced allocations providing for Whyalla's average use.

	DECISIONS	.5	ACTIONS
•	Recommendation endorsed by Policy Workshop as listed in paper	• Nil	
	presented	1 7 20)	
•	Issue to go to Referral Panel.	$N \sim N$	
	allolished on Palli		



ADDITIONAL ACTIONS:

- Need to work on an agenda for PRP
- Discuss and agree on approach / format for PRP papers

Meeting closed 4pm.

Approval

Director, Water Planning South West	Audrey van Beusichem
Signature	. 60
Date	
RIIC	ished on Rilling 2005

Policy Workshop 4B - 1:00pm - 3:00pm - 12 September 2018 - Room 1WS 5.15



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2. Trading (BRA deep)

- I am strongly opposed to trade of both permanent and temporary water, as I have significant concern this will lead to growth in the water take from the aquifer. I believe that trade and protecting the aquifer are diametrically opposed. This could have a detrimental effect on existing water users. (110)
- I consider [the proposed approach for trade] is valid in achieving the objective of allowing trade to occur without compromising the aquifer by dramatically lowering water tables in particular areas below the alluvium where current extractions are significant (111)
- We support the ability to trade water allocations provided there are sufficient mechanisms in the WRP to protect existing users from third party impacts (131)
- We support the ability to trade water allocations, but there is significant concern about lack of protection to existing water users from third party impacts. Some members would prefer no trade at all to protect from potential impacts of trade and movement of water extraction across the aquifer. Trades should not impact on existing users. Sufficient protections need to be built into the water plan to protect existing users to the greatest degree possible.
 - While we are accepting of trading in principle, we don't want it to come at any cost or be unconstrained. (151; 152; 153)
- Support temporary and permanent trade within the aquifer based on the following premise: all permanent trades and large temporary trades are subject to stringent impact assessment

Issue background

- The draft Border Rivers and Moonie water management protocol provides for the permanent and temporary trading of proposed water allocations in the Border Rivers Alluvium (deep).
- Dealing rules contained in the plans provide for trading anywhere within the sub-unit, including between zones, subject to zone envelopes and assessment of potential drawdown impacts.
- Envelopes and impact management are dealt separately in the table.
- Submissions received from stakeholders regarding trading in general (i.e. not zones, envelopes or impact management) indicate:
 - Oppose trade (permanent or temporary) due to concern it will lead to growth in take and impacts on existing users (2)
 - Support for trade provided adequate protections/no impact on existing users (8)
 - Trade rules should be developed through independent modelling (1)
 - Trading should be of the volumetric limit not nominal volume (1)
 - Trading should start out conservatively and ramp up later after review (1)
- Stakeholders in the BRA (deep) have overwhelming submitted opposition the proposed trade assessment model based on 5 zones and envelopes, coupled with third party impact assessment.

Policy team proposed Continue to provide for trading in the BRA

Note concerns about trading the BRA – see policy discussion number 5.

Endorsed – Campbell issue to go to PRP.

- which takes into account relevant bore positions, volumetric take and any other relevant information on the NSW side of the aquifer. Our support or otherwise (for temporary and permanent trade) will be largely determined based on this assessment systems as it must allow the greatest possible protection for existing users and allow trade accordingly (158).
- Due to the infancy of the GW model we would advocate a very conservative approach to permanent trading. Once committed they are difficult to reverse if the initial modelling process inaccurate and a neighbouring bore has been compromised. This assumption can easily be revised upward at a future 10 year review if proven (160)
- There should be provision for all types of trade and the development of new holes, providing there is a sound methodology for the assessment of reasonable third party impacts, as the basis for approval. This allows water to be shifted.
 - Rules around trade should be developed with good independent modelling and have some flexibility in the case the expected scenario does not eventuate (162) possibly more.
- Most [large entitlement holders/large developed users] are
 against trade and against the unretarded development of new
 bores. Trade will not increase value of the aquifer to the
 community or Australia but more likely make existing
 infrastructure redundant and inflict financial pressure on existing
 users. Trade must be restricted to shelter hotspots but also to
 minimise acceleration of usage and therefore damage to existing
 business (121)
- Seasonal trading of a reduced nominal volume would be unviable considering establishment cost and infrastructure, reducing income by 47%. Perm and temp trade should be of the volumetric quantity shown on the water allocation (167)

Submitters

sch4p4(6) Personal information

- Stakeholders submit that trade assessment should be based on a single zone and more robust third party impact assessment that considers cumulative (i.e. the impact of all bores and trades on a single user) impacts including those in NSW.
- Despite concerns about the trading framework, only 2 submissions were received opposing the trade of groundwater in principle. These two submissions indicate concern that trade will lead to growth in take and adverse effects on the aguifer and water users.
- Overwhelmingly entitlement holders want trade however they want to be assured that:
 - There will be no adverse impacts on existing entitlements through SWL drawdown including the NSW entitlement extractions;
 - That there are mechanisms in place to protect users and the resource;
 - That there is simple seasonal/temporary trade mechanisms

Issues and Risks

- While use is likely to increase as un/underused entitlement is bought by productive users, utilisation is already increasing in the BRA (deep). Use in the deep will be managed to 53% of entitlement over ten years.
- While use is at current levels, no announcements will be required manage take (i.e. users will have an announcement of 100%, with productive users being offset by those not taking). As use increases, announcements will be required to manage take.
 Should all users try to take their full entitlement, an annual announcement of 53 per cent would result.
- The increase in utilisation of entitlement will occur whether trade is present or not through:
 - Land and water are currently being sold resulting in utilisation of previously sleepy water:
 - Increases in existing entitlement extraction through the pumping of water into storages.

Proposed Project Team options

Option 1 (preferred) - Allow for a volume of up to 100ML to be seasonally assigned with no impact assessment.

Impacts of a trade of 100 ML would require a 10 metre separation to nearest neighbours bore (3m threshold). This distance is conservative enough not to interfere with any neighbouring bores.

Option 1 endorsed – not to go to PRP

3. SWA (BRA deep)

- Seasonal Water Assignments within a Water Year are not subjected to same degree of assessment ie use of different parameters in Third Party Assessment Formula as those required when an application for a Permanent Trade is being evaluated. Supportive of less stringent assessment of SWAs (111)
- There needs to be a fast approvals process for small, low impact temporary trades particularly when these trades are time critical for crop management (131)
- We require clarification of the time required to do a complete impact assessment to better understand the impact on small temporary trades (151).

Issue background

The Draft Border Rivers and Moonie Water Management Protocol (WMP) provides for Seasonal Water Assignment in the Border Rivers Alluvium Deep resource to be subject to the same assessment process as that of permanent trades. As such, all SWA's will be subject to impact assessment under Chapter 11 of the WMP.

Submissions received on the WMP have requested that the process for assessing and completing a Seasonal Water Assignment (SWA) be less stringent than that of a permanent trade. The submissions include general statements requesting less onerous assessment and different parameters.

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- SWA there should be a fast approval process for small, low impact SWA as long it doesn't impact existing users (152)
- special consideration should be given to a fast approval process for small, low impact SWA. This would require a specific set of rules built in to prevent abuse and impacts on existing users. This could be resolved with clarification of the time required to do a complete impact assessment (153)
- Support temporary and permanent trade within the aquifer based on
 the following premises: All permanent trades and large temporary
 trades (>50ML) are subject to stringent 3rd party Impact Assessment
 Process, which should take into account relevant bore positions,
 volumetric take and any other relevant information on the NSW side
 of the aquifer as well. Our support or otherwise will be largely
 determined based on this assessment system as it must allow the
 greatest possible protection for exiting users and allow trade
 accordingly.

Suggest that singular temporary trades of <50ML for emergency crop finalisation could be viewed as a fast track application and not be held to the same rigorous 3rd Party impact assessment. This would need its own specific rules though to ensure that the system is not used inappropriately (158)

- Temporary Trading:
 - We feel the current 3 m drawdown assumption placed into the third party impact equation is not conservative enough to protect existing rights of current users.
 - Given the seasonal nature of usage, from our experience, a 300 Ml trade approved by the 3m assumption at the minimum 400m separation would adversely impact adjacent bores.
 - We would suggest an assumption which permits a trade of 150 MI at the minimum separation distance of 400m to be a more appropriate assumption to protect existing groundwater users.
 - This assumption could be relaxed at a future 10 year review if the model is compliant with reality (160).
- Temporary trade approval process should be streamlined to be timely (take less than a fortnight) and that smaller transfers are possibly exempt from 3-party assessment process (162).

Submitters

sch4p4(6) Personal information

This would allow for quick turnaround for those who may need the water quickly. Currently a SWA is approved within approx. 5 business days, however this varies between offices depending on workloads. There is a wish to ensure small amounts of water quickly, however no awareness of how long the assessment process takes.

Another submission states that we need a more conservative approach to our assessment and that the 3m drawdown figure is too large. However this figure has been adopted for consistency with the NSW impact assessment approach which states a maximum of 3m or 5% of available head above target aguifer.

The challenge with the 5% of available head means that we need to know each bores available head before we can assess an impact. This is an onerous approach and therefore adopting a single threshold figure is the preferred approach. The key being that it is as consistent with the NSW approach as possible.

One of the entitlement holders – Daryl Cleeve has discussed in consultation sessions about reducing the drawdown threshold to see what being more conservative look like. The following scenarios were presented based on the following parameters - T-200; S-0.001; t-180 days; Pumping (Q) 100 ML

- 3 metre threshold ~10 metre separation to nearest neighbour
- 2.5 metre threshold ~30 metre separation to nearest neighbour
- 2 metres ~100 metre separation to nearest neighbour

Legislative context

Draft Border Rivers and Moonie Water Management Protocol

Issues and risks

- That if no assessment is done, third party impacts cannot be tracked and predicted.
- Resourcing is reduced to undertake the bulk of SWA's if under 100ML volume is not assessed.
- Would still need to undertake a cumulative assessment of individual volumes if entitlement holders start accumulating water.

SWA of 100ML or greater would require impact assessment to ensure neighbouring bores are not impacted.

This SWA rule would continue to provide for an expedited SWA to meet entitlement holder expectations and be able to meet COAG transaction service standards of 5 business days.

Option 2 – Move forward with the current proposal in the draft water management protocol.

4. Impact management (permanent trade)

The long term sustainability of the aquifer is in the best interests of not only Groundwater Users that access the resource, but also the community at large. Therefore any assessment of trade volume must take into account the performance of the aquifer and any the volume of current extractions in the general vicinity of the proposed 'point of take' of the traded volume.

The Draft Plan proposes a set of Rules that include Zones and Tradezingpes with the assessment process to also include a

Issue background

The Draft Border Rivers and Moonie Water Management Protocol (WMP) states that permanent trade of groundwater in the Border Rivers Alluvium Deep resource will be subject to impact assessment under Chapter 11 of the WMP.

Submissions received on the WMP have requested that the process for assessing and completing a Seasonal Water File A

Proposed Option

- Retain proposed drawdown threshold that is consistent with NSW.
- Consider merits/risk of exempting small permanent trades (<100ML) from impact assessment.

Policy workshop:

- 1. Endorsed.
- 2. Noted
- 3. Cumulative impact endorsed
- 4. Will work towards aligning with NSW framework

Third Party Impact Assessment. I consider this approach is valid in achieving the objective of allowing trade to occur without compromising the aquifer by dramatically lowering water tables in particular areas below the alluvium where current extractions are significant (111)

- It is a feature that third part impact of trade looks at bore levels but probably the most significant third- party impact of trade is in the acceleration of growth in extraction and therefore the erosion in annual announcement (121).
- We support the ability to trade Water Allocations in BRA provided there are sufficient mechanisms in the WRP to protect existing users from any third party impacts of trade (131).
- Section 156 Determination of unacceptable impact, states that: any of the potential drawdown impacts determined in section 155 are greater than three (3) metres at any registered point of take, other than the point(s) currently stated on the entitlement being dealt with, the application would result in an unacceptable impact. We request that Section 156 be amended so an unacceptable impact would result from a drawdown impact of greater than one (1) metre, rather than three (3) metres. We request that you liaise with your NSW counterparts to ensure that the requested one (1) metre Section 156 maximum drawdown applies intra-state and inter-state. That is, a development in NSW should not result in a drawdown impact at a Queensland point of take exceeding one (1) metre, and vice versa. (139)
- There are significant concerns about lack of protection to existing water-users from the third-party impacts of permanent trade. Sufficient protections need to be built into the WRP to protect existing users to the greatest degree possible. This trade assessment process must include detailed consideration of both state's trading activity to ascertain proximity of works and volumes of extraction. The assessment should have regard for the existing entitlement attached to any works not just the trade volume (151).
- We have concerns on protection to existing bores from thirdparty impacts of permanent trade
 This trade assessment process must include detailed consideration of both state's trading activity to ascertain proximity of works and volumes of extraction. The assessment should have regard for the existing entitlement attached to any works not just the trade volume (152).
- DVIA supports ability to trade but there are significant concerns about lack of protection to existing water-users from the thirdparty impacts of permanent trade. Some DVIA members would prefer no trade at all to protect from potential impacts of trade and movement of water extraction across the aquifer. Trades should not impact on existing users. Sufficient protections need to be built into the WRP to protect existing users to the greatest

Assignment (SWA) be less stringent than that of a permanent trade. This is dealt with in section 3.

Overwhelmingly entitlement holders want trade however they want to be assured that:

- There will be no adverse impacts on existing entitlements through SWL drawdown including the NSW entitlement extractions;
- That assessment consider existing entitlement and not just traded water
- That there are mechanisms in place to protect users and the resource:
- That there is simple seasonal/temporary trade mechanisms

Several submissions consider that a more conservative approach to our assessment is required and that the 3m drawdown figure is too large. One submitter's requests that drawdowns be limited to 1 metre while another considers that permanent trades should be 'very conservative' and revised up later if need be. However, the 3m drawdown figure has been adopted for consistency with the NSW impact assessment approach which states a maximum of 3m or 5% of available head above target aquifer.

The challenge with the 5% of available head means that we need to know each bores available head before we can assess an impact. This is an onerous approach and therefore adopting a single threshold figure is the preferred approach. The key being that it is as consistent with the NSW approach as possible.

One of the entitlement holder has discussed in consultation sessions about reducing the drawdown threshold to see what being more conservative look like. The following scenarios were presented based on the following parameters - T-200; S-0.001; t-180 days; Pumping (Q) 100 ML

- 3 metre threshold ~10 metre separation to nearest neighbour
- 2.5 metre threshold ~30 metre separation to nearest neighbour
- 2 metres ~100 metre separation to nearest neighbour

The WMP can be amended to make changes to the thresholds if concerns arise around trade and impact assessment.

Leaislative context

Draft Border Rivers and Moonie Water Management Protocol

Issues and risks

- The stakeholders want a very conservative approach to impact assessment but they also want consistency with NSW.
- We will need to ensure that the approach is consistent and if possible to address concerns over impact threshold

- The process will consider nearest neighbour and cumulative volume impact – see note below.
- The current threshold for impact assessment will either be 2.5 or 3 metres in keeping consistency with NSW which is about 5-10% of the available head in these deep bores.
- This impact threshold will minimise the impact on third parties while facilitating trade.
- QLD and NSW will work together to ensure assessment of trade will consider bores on both sides of the border alluvium and that any proposed changes to this methodology are consistent across border as far as possible.

Note – the exact impact assessment methodology is yet to be finalised includina:

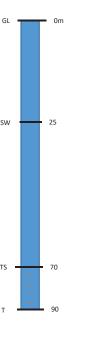
- Cumulative impacts versus impact on nearest neighbour only - however it is important to note that cumulative impact, would be significantly more onerous to implement.
- Working with NSW to ensure:
 - a consistent approach to assess extraction points in each state
 - agreed consistent parameters used in the assessment



Not to go to PRP

Available Head above target aguifer – 45m

45*0.05=2.25m



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degree possible, while still enabling development of the (which NSW currently utilise). The NSW approach has been used for some time so their flexibility in change is resource. dependant on NSW willingness for change. This trade assessment process must include detailed consideration of both state's trading activity to ascertain proximity of works and volumes of extraction. The assessment should have regard for the existing entitlement attached to any works not just the trade volume (153). Support temporary and permanent trade within the aquifer based on the following premises: All permanent trades and large temporary trades (>50ML) are subject to stringent 3rd party Impact Assessment Process, which should take into account relevant bore positions, volumetric take and any other relevant information on the NSW side of the aguifer as well. Our support Red on Palling City or otherwise will be largely determined based on this assessment system as it must allow the greatest possible protection for exiting users and allow trade accordingly. Our support or otherwise (for temporary and permanent trade) will be largely determined based on this assessment system as it must allow the greatest possible protection for exiting users and allow trade accordingly (158) Given our preference for the Third Party Impact Model to oversee a one zone approach to the Dumaresg Groundwater Resource we would contend the following. Permanent Trading: - Due to the infancy of the groundwater model we would advocate a very conservative approach to permanent trading. Once committed they are difficult to reverse if the initial modelling proves inaccurate and a neighbouring bore has been compromised. This assumption can easily be revised upward at a future 10 year review if proven. We would advocate that a more conservative drawdown assumption be used to assess permanent trades. We would put forward a drawdown assumption half that for temporary trades. By being very conservative on permanent trades does not preclude the purchaser from entering the temporary market to obtain additional water under less stringent 3rd party impact assumptions. Any temporary trade applied under the above point should be assessed including the initial permanent trade to avoid the possibility of cumulative 3rd party impacts (160) There should be provision of all types of trade and new holes, given there is a sound method for assessing reasonable 3-party impacts, as basis for approval (162) Would hope drawdown would be considered with bore in NSW and QLD when trades are done (176) Submitters sch4p4(6) Personal information 5. Zones and envelopes (BRA deep) Council agrees with DVIA regarding the proposed zones **Issue Background** Preferred option **Endorse Option 1** contained in the draft water plan. The proposal of 5 zones is too Doesn't need to go to PRP File A Page 486 of 493

- complex and restrictive, the submission is to adopt a single zone will simplify trade and align with nsw (131)
- We submit that this is one of the key factors in the support or otherwise of the draft plan. We are not in favour of five zones, as contained in the current draft plan, as this is too complex and restrictive. We submit that a single zone is preferred, to simplify trade and align with NSW, provided a strong third party impact assessment process is provided (151; 153)
- Free trade and one zone for the planning area to mirror NSW
 approach. Trade and adoption of one zone is also important tool
 when adopting the principal of equitable access to the resource,
 rather than favouring history of use, as trade allows those with
 high current use to have the option to purchase more water if a
 reduced AWD at some point in the future means their operation
 is restricted (162)
- I think having zones in QLD will over complicate interstate trading with NSW (176).
- In favour of trade zones and trade envelopes. The draft plan proposes a set of rules that include zones and trade envelopes... I consider this approach is valid in achieving the objective of allowing trade to occur without compromising the aquifer (111).
 4.
- We support the ability to trade water allocations, however, we
 have concerns on protection to our existing bores from third
 party impacts of trade. We do not want the current five zone
 plan. We would like one zone. A single zone is preferred to
 simplify trade and align with NSW, provided a strong third party
 impact assessment process is include to protect from
 unreasonable impacts of trade (152)
- We do not support the five zone model and believe that there should be a single zone which is more aligned with the NSW water trade position (158)
- WE are opposed to the proposed five zone model for the following reasons:
 - There is nothing accomplished by having zones which cannot be achieved through suitable third party impact rules already proposed in the draft
 - artificially created zones are a restriction to free and open trade which has the potential to create inequalities in the water market
 - To date the mechanism which has seen extraction levels and overall growth remaining relative stable has been the higher pumping activity=higher drawdown=lower bore yield principle (160)
 - QLD authorities need to liaise with their NSW counterpart and decide on zones. Zones on each side of the border should be the same. Definitively not different zones. Probably one zone only in each state (167).

Submitters

sch4p4(6) Personal information

- Water licences in the Border Rivers Alluvium (deep) are proposed for conversion to water allocations the ability to trade within the proposed sub-unit.
- Five trading zones have been proposed for the Border Rivers Alluvium, as outlined in schedule 6 of the water plan.
- Table 7 of the water management protocol defined 'maximum zone volumes' or envelopes for each zone.
 These envelopes, together with drawdown assessments under Chapter 11, are the principal mechanisms for managing impacts of groundwater trading.

Stakeholders in the Border Rivers Alluvium have submitted the following points in regard to the proposed trading zones:

- 1. In favour of proposed 5 zone model (1 submission)
- A single zone should be adopted for the QLD BRA, as in NSW (9 submissions)
- Zones should be decided by NSW and QLD together (1 submission)
- Proposed zones are too complex, will create inequality and will inhibit trading (including future interstate trading) (6 submissions)
- Zones are redundant if there is a robust third party impact assessment process (4 submissions)

Zone boundaries in the BRA were defined based on the following considerations:

- Presence/absence of confining layer separating the deep and shallow aquifers
- 2. Narrowing/constriction of alluvium
- 3. Volume of entitlement
- 4. Input from water users
- 5. Model results showing localised hotspots
- Zone envelope volumes were originally defined based on consideration of performance and water levels for modelling of individual zones demand increased by 20%, 50% and 70% and stakeholder feedback.
- One of the key concerns is that the zones will create inequity due to constrained volumes and this will artificially inflate prices for water in some zones.
- In exercising a precautionary approach, the zones are proposed to remain. Zones and envelopes are the principal mechanism available under the protocol for addressing resource issues such as 'hotspots' in the BRA (deep) i.e. if water levels decline, envelopes can be reduced to stop additional water moving into a zone.
- This is separate to third party assessment which is purely designed to minimise drawdown impacts and will not prevent movement of water generally into areas of the alluvium – e.g. all water moving from the bottom of the system to the top. File A

In response to this the submissions, the department proposes to:

- Retain 5 zones to allow for 'hotspot' entitlement and resource management; and
- Adopt envelope volumes 2.5
 times the current volumetric
 limit in a zone to address
 concerns about perceived
 and/or potential risk of
 artificially inflated trade and
 allow users to recover sufficient
 water to continue previous
 extraction
- Note that the WMP can be amended to increase or decrease envelopes as needed, therefore initial envelopes may be specified that effectively negate the existence of separate zones until required.
- Note that Zone 4 contains several stakeholders who are concerned about trade and impacts including Ostwald and Whyalla feedlot. An option here would be that this trade envelope be purely limited to 2 times which equates to 10,500 ML, still a significant potential volume.
- Note that EFOs will change with the remodelling of the trade envelopes in each zone.
 However, this is purely about providing a marker for how we are meeting productive base in the context of the Basin Plan requirements. In the productive base of the resource will be more realistically managed through the shared extraction limit – 8.1GL.

Option 2 – continue with the current approach of the zones with limited volume envelopes despite stakeholder concerns.

- Interestingly in recent meeting (DVIA meeting 24
 August 2018) discussion was held with the Chair of
 the DVIA and some members whom asked for some
 pseudo zones that could sit in the background and be
 used when necessary. This approach does just that.
- While drawdown impact assessments are intended to limit impacts on existing users individual bores, zones and envelopes are intended to limit impacts on the overall resource, mitigating the formation of 'hotspots' and allowing for use to be moved away from overallocated zones.
- To address stakeholder concerns regarding zones, initial envelopes are proposed that would allow all users to recover entitlement to allow use of preconversion volumes under proposed announced entitlement rules.
- The following table outlines the proposed zone and envelop approach:

	Zone 1	Zone 2	Zone 3	Zone 4	Zone 5
Number of entitlements	2	6	6	6	5
Current entitlement volume (ML)	1684	2500	2372	5290	2575
Envelope Volume (ML)	4210	6250	5930	13225 or 10580	6438
Additional Permitted Volume (ML)	2526	3750	3558	7935 or 5290	3863

Legislative context

Draft Border Rivers and Moonie Water Management Protocol

Risks and issues

- If the department was only to specify a single zone, it could allow for the formation of extraction 'hotspots' in productive parts of the alluvium.
- The absence of zones in the NSW BRA means that NSW entitlement is free to accumulate, subject to NSW assessment provisions, despite the existence of envelopes on the QLD side seeking to potentially limit the growth of entitlement in a particular area/s.
- The water sharing plan for the NSW Border Rivers
 Alluvium does not specify management zones for the
 shared resource. Instead, trades are managed solely
 via case by case drawdown assessment and setback

8. Replacement Bores (BRA deep)	s.73 Irrelevant information	SUIRE	
The Draft Plan limits the sinking of replacement bores to within 10	Issue Background	Proposed approach	Endorsed – to PRP for noting
metres of existing bores. We submit that this is impractical and that	issue background	Retain current provision providing for a	Lindoised – to FRF for Hotting
metres of existing poles. We submit that this is impractical and that	COLUMN TO THE COLUMN T	netalli carrent provision providing for a	

- 50 metres is a sensible distance that will allow good separation between failed and replacement holes (110; 151; 153)
- The draft Water Plan limits replacement bores to within 10 meters of existing bores. We agree that this is impractical and support the recommendation of 50 meters as more appropriate to allow sufficient separation between failed and replacement bores (131)
- Replacement bores should be within 50 metres from the existing bores (152)
- The draft currently states that replacement bores can only be completed within 10m of their current position. We would suggest that this is physically inappropriate and would suggest extending this out to 50m (158)

Submitters

sch4p4(6) Personal information

Stakeholders in the BRA (deep) have requested that provisions permitted change for a replacement in the draft plan providing for a permitted change of location (point of take) that is for a replacement bore within 10m of the bore being replaced be amended to allow for a distance up to 50m.

Provisions in the draft WMP provide that a change of location on a water allocation is permitted where the bore is a replacement bore within 10 metres of the bore being replaced. These provisions were worded to align with the definition of replacement bore under the Water Regulation and the broader planning framework.

State Development Assessment Provisions states bores can be replaced for operational need without a development permit providing they are no further than 10m form the original bore. Although this distance can sometimes be too close it is a provision that has been in legislation for a number of years and is accepted and know by drillers and stakeholders.

The provision just allows for some operational flexibility by the landholder however it does not prevent them drilling further away - they will just need an assessment first to prevent impacts on neighbours entitlement bores.

A change to make this a different distance in the BRA would just cause confusion among drillers and stakeholders and could make compliance difficult. It would also require a change to the Water Regulation and SDAP.

bore within 10m of the bore being replaced.

9. New bores (BRA deep)

20-308

• I am in favour of a complete embargo on the drilling of new bores. New bores would only lead to further extractions from the aguifer (growth). Current yield of existing bores is regulating the annual water take (110)

Issue Background

This issue is expressed by two entitlement holders located in Zone 4 and Zone 5. Both are concerned with any change in

File A

Proposed approach

Continue with the current draft to the extent that the above proposals amend the plan.

Endorsed – not to PRP

• I think there has been large gaps in the process so far in drafting the Border rivers Plan. The Dumaresq Valley Irrigators association does not represent the interests of those businesses that have large entitlements and large developments that are already reliant on the sustainability of the aquifer. Most of us that are in this category are against trade and against the unretarded development of new bores. These stake holders are regularly overlooked in invitations to DVIA meetings and our opinions overlooked when we are invited (121)

Submitters

sch4p4(6) Personal information

the use of water across the system and do not want to see any There will be no blanket embargo on additional or sleepy water activated.

The development of water infrastructure will not be limited to impacts. those who already have entitlement and bores but be allowed to occur within the management limit, both the shared interstate resource and the SDL. There will not be 'unretarded' growth in fact it will be:

- managed to the 'shared limit' and SDL
- controlled trade via zone envelopes
- location of bores managed by third party impact information protection rules

the drilling of new bores however they will be managed to limit third party

s.73 Irrelevant information

s.73 Irrelevant information

ADD	ITIONAL	ACTIONS:
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Meeting closed 5:00pm.

Approval

Director, Water Planning South West	Audrey van Beusichem
Signature	: 60,
Date	
RII	Jished on Pallike 15009